# DES TORTUES JUSQU'EN BAS

**Vaccins:** 

Science et Mythe



Références

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# Chapitre 1 : Des tortues jusqu'en bas : Les essais cliniques des vaccins

## 1-20

1	Nom de la page : Vaccine Product Approval Process			
	Site Internet :	Archive :		
	FDA website		http://archive.is/eyQNd	
	http://www.fda.gov/biologicsbloodvaccines/developmentap provalprocess/biologicslicenseapplicationsblaprocess/ucm1 33096.htm			
	Nom de la page : Inside Clinical Trials: Testing Medical Products in People			
	FDA website	https://web.archive.org/web/2018082517511		
	http://www.fda.gov/Drugs/ResourcesForYo 3/https://www.fda.gov/Drugs/ResourcesForYo			
	u/Consumers/ucm143531.htm	Consumers/ucm143531.htm You/Consumers/ucm143531.htm		

## 2 Titre du document :

ICH Harmonised Tripartite Guideline

Choice Of Control Group And Related Issues In Clinical Trials E10

http://www.ich.org/fileadmin/Public Web Site/ICH Products/Guidelines/Efficacy/E10/Step4/E10 Guideline.pdf

Auteur/Année : Archive :

ICH Expert Working
Group, 2008

https://drive.google.com/open?id=1IrAW9UYSFvIA8npBLKsA
UZxft53cmhml

P. 28

It should be appreciated, however, that subjects receiving a new treatment are not receiving standard therapy (just as a placebo control group is not) and may be receiving an ineffective or harmful drug.

## Titre de l'article :

U.S. advisory panel recommends Prevnar 13 vaccine for elderly

Date:

14 août 2014

## Site Internet:

Reuters

http://www.reuters.com/article/us-pfizer-prevnar-idUSKBN0GD23I20140813

## Archive:

http://archive.is/RfO2H

## Par exemple:

(Reuters) - An influential U.S. medical advisory panel on Wednesday recommended that people 65 and older be given Pfizer Inc's blockbuster Prevnar 13 vaccine to protect against pneumococcal bacteria that can cause pneumonia and other infections.

[....]

Prevnar 13 and an older version of the vaccine known as Prevnar 7 have combined annual sales of almost \$4.5 billion, making them Pfizer's second-biggest franchise. Prevnar 13 is approved for children 6 weeks through 17 years of age, and for adults 50 and older.

## P. 2:

Randomised, placebo-controlled trials are widely considered the gold standard for evaluating the safety and efficacy of a new vaccine. In these trials, participants are randomized to receive either the vaccine under investigation or a placebo (i.e. an inert substance such as a saline injection). Randomisation and the use of placebo interventions are designed to control for confounding effects, such that significant differences in disease incidence or adverse effects between the vaccine and control groups can likely be attributed to the vaccine.

5 Titre de l'article : PMID: The clinical development process for a novel preventive 26732191 vaccine: An overview Archive: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4944327/ http://archive.is/kPW8h Revue: Auteur principal/Année: Journal of Postgraduate Medicine K Singh, 2016 Phase III Studies RCTs are considered the "gold standard," where participants are randomly allocated to receive either the investigational or the control vaccine (placebo, different vaccine, or nothing).

## 6 Titre du document :

ICH Harmonised Tripartite Guideline

Choice Of Control Group And Related Issues In Clinical Trials E10 <a href="http://www.ich.org/fileadmin/Public\_Web\_Site/ICH\_Products/Guidelines/Efficacy/E10/Ste">http://www.ich.org/fileadmin/Public\_Web\_Site/ICH\_Products/Guidelines/Efficacy/E10/Ste</a> <a href="page-248-64">p4/E10\_Guideline.pdf</a>

Auteur/Année : Archive :

ICH Expert Working
Group, 2000

https://drive.google.com/open?id=1IrAW9UYSFvIA8npBLKsAUZxft53cmhml

#### P. 19:

When a new treatment is tested for a condition for which no effective treatment is known, there is usually no ethical problem with a study comparing the new treatment to placebo.

## Titre du document :

Expert consultation on the use of placebos in vaccine trials

 $\underline{\text{http://apps.who.int/iris/bitstream/handle/10665/94056/9789241506250\_eng.pdf}}$ 

Auteur/Année : Archive :

WHO, 2013 <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4</a> RyxrbUtkq382y

#### P. 9:

A common model for the evaluation and deployment of a new vaccine, against a disease for which there is no existing vaccine, is that it is first tested in a placebo-controlled trial.

## P. 12:

As a general rule, research subjects in the control group of a trial of a diagnostic, therapeutic, or preventive intervention should receive an established effective intervention. In some circumstances it may be ethically acceptable to use an alternative comparator, such as placebo or "no treatment".

A placebo may be used: • when there is no established effective intervention;		
Titre du document : Guidance for Industry E 10 Choice of Control Group and Related Issues in Clinical Trials <a href="https://drive.google.com/open?id=17LyWGbkC8dQRtcHfFjKMjs7xgxpU3CBp">https://drive.google.com/open?id=17LyWGbkC8dQRtcHfFjKMjs7xgxpU3CBp</a>		
Auteur/Année : FDA, 2001		
P. 15 (19): When a new treatment is tested for a condition for which no effective treatment is known, there is usually no ethical problem with a study comparing the new treatment to placebo.		

7		the use of placebos in vaccine trials /bitstream/handle/10665/94056/9789241506250_eng.pdf		
	Auteur/Année : WHO, 2013	Archive: <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry</a> <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry</a> <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry</a> <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry</a> <a href="https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry">https://drive.google.com/open?id=1yLHGu4pO0K2xUZmNsE4Ry</a>		
	P. 12-13:there is uniformity on the use of placebos, i.e. that if a proven effective intervention exists, the trial intervention should generally be tested against it. Failure to do so deprives participants in the "control" arm of an intervention that is likely to benefit them			

#### 8 Titre du document : ICH Harmonised Tripartite Guideline Choice Of Control Group And Related Issues In Clinical Trials E10 http://www.ich.org/fileadmin/Public Web Site/ICH Products/Guidelines/Efficacy/E10/Ste p4/E10\_Guideline.pdf Auteur/Année : Archive: ICH Expert Working https://drive.google.com/open?id=1IrAW9UYSFvIA8npBLKsAUZ xft53cmhml Group, 2000 P. 18: A useful approach to the assessment of assay sensitivity in active control trials and in placebo-controlled trials is the three-arm trial, including both placebo and a known active treatment, a trial design with several advantages. PMID: Titre de l'article : 17469680 Alternatives to Placebo-Controlled Trials https://www.cambridge.org/core/services/aopcambridge-Archive: core/content/view/28A722D8EF2C2FCABB3A1 https://drive.google.com/open?id=1uSP AC2477DFBB8/S0317167100005540a.pdf/altern dSiRKhZex8QwuHiOmLjgxD3 Fi7vE atives to placebocontrolled trials.pdf

## P. 5:

My recommendation would be that, when an existing therapy exists, and if certain conditions apply:

\* Studies should consist of three arms: the new drug, the existing drug, and a placebo group..

Revue:

The Canadian Journal Of Neurological Sciences

## 9 Titre du document :

ICH Harmonised Tripartite Guideline

Auteur principal/Année :

David L. Streiner, 2007

Choice Of Control Group And Related *Issues* In Clinical Trials E10

http://www.ich.org/fileadmin/Public Web Site/ICH Products/Guidelines/Efficacy/E10/Step4/E10 Guideline.pdf

Auteur/Année :

ICH Expert Working Group, 2000

Archive:

https://drive.google.com/open?id=1IrAW9UYSFvIA 8npBLKsAUZxft53cmhml

#### Section 2.5.2:

It is always difficult, and in many cases impossible, to establish comparability of the treatment and control groups and thus to fulfill the major purpose of a control group (see section 1.2). The groups can be dissimilar with respect to a wide range of factors, other than use of the study treatment, that could affect outcome, including demographic characteristics, diagnostic criteria, stage or severity of disease, concomitant treatments, and observational conditions (such as methods of assessing outcome, investigator expectations). Such dissimilarities can include important but unrecognized prognostic factors that have not been measured. Blinding and randomization are not available to minimize bias when external controls are used.

[...]

Control groups in a randomized study need to meet certain criteria to be entered into the study, criteria that are generally more stringent and identify a less sick population than is typical of external control groups. An external control group is often identified retrospectively, leading to potential bias in its selection.

#### 10 Titre du document :

HAVRIX, Package Insert

https://drive.google.com/open?id=1XGppC-tPGSWvEZNGK8kRY15nGz76lxSA

#### Section 5.6.1:

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a vaccine cannot be directly compared to rates in the clinical trials of another vaccine, and may not reflect the rates observed in practice.

#### 11 Titre du document :

Guidelines for the Ethical Conduct of Studies to Evaluate Drugs in Pediatric Populations http://pediatrics.aappublications.org/content/pediatrics/60/1/91.full.pdf

Auteur/Année : Archive:

AAP, 1977 https://drive.google.com/open?id=1sjvo 5OLgRv8ZCkh7lic-

1Kih1gV1zEF

#### P. 1-2:

The publication of these general guidelines and their implications for future drug development led the

FDA to request that the Academy's Committee on Drugs advise it about standards of ethical research which could be recommended to assure that children, and society in general, are served appropriately by studies carried out in pediatric populations without undue hazard or discomfort.

[...]

The Committee believes that it is unethical to adhere to a system which forces physicians to use therapeutic agents in an uncontrolled experimental situation virtually every time they prescribe for children. Furthermore, it is not only ethical but also imperative that new drugs to be used in children be studied in children under controlled circumstances so the benefits of therapeutic advances will become available to all who may need them.

#### 12 Titre du document :

Ethical Considerations in Conducting Pediatric Research

Chapitre tiré du livre suivant :

Pediatric Clinical Pharmacology

https://www.springer.com/gp/book/9783642201943

Auteur principal/Année:

Michelle Roth-Cline, 2011

## P. 221:

A fundamental pillar of pediatric research is the ethical principle of "scientific necessity." This principle holds that children should not be enrolled in a clinical investigation unless necessary to achieve an important scientific and/or public health objective concerning the health and welfare of children. An "important scientific question" may be one that generates information that is necessary and timely for establishing the appropriate pediatric use of investigational therapeutics. A corollary is that children should not be enrolled in studies that are duplicative or unlikely to yield important knowledge applicable to children about the product or condition under investigation.

#### 13 Titre du document :

Ethical Considerations in Conducting Pediatric Research

Chapitre tiré du livre suivant :

Pediatric Clinical Pharmacology

https://www.springer.com/gp/book/9783642201943

## Auteur principal/Année :

Michelle Roth-Cline, 2011

#### P. 222, 224:

First, the risks to which children would be exposed must be low if there is no prospect of direct therapeutic benefit (PDB) to the enrolled children. Second, children should not be placed at a disadvantage by being enrolled in a clinical trial, either through exposure to excessive risks or by failing to get necessary health care. Consequently, the data necessary to initiate a pediatric investigation must demonstrate either an acceptably low risk of the experimental intervention or a sufficient PDB to justify the risks of the intervention. [...]

Investigations involving children that pose more than low risk cannot be justified by the importance of anticipated knowledge. In pediatric studies, the allowable risk exposure for an intervention or procedure not offering a PDB must be restricted to low risk.

#### Titre du document :

MMR II Clinical Trials - DFA FOIA

https://drive.google.com/open?id=1GKahQSNG8LvCAnEG7SGNyYPUEiSJwfd8

Exemple tiré d'un formulaire rempli par les investigateurs d'un essai de vaccin à la fin des années 1970.

## P. 103:

B. Describe the benefit to the subject or advancment of knowledge that will balance the risk

C. Indicate measures proposed to minimize risk [...]

#### 14 Titre du document :

Ethical Considerations in Conducting Pediatric Research

Chapitre tiré du livre suivant :

Pediatric Clinical Pharmacology

https://www.springer.com/gp/book/9783642201943

## Auteur principal/Année :

Michelle Roth-Cline, 2011

## P. 226-228:

FDA regulations also include a classification of "minor increase over minimal risk" (21 CFR 50.53, 2011). An intervention or procedure approved under this category must also involve "experiences to subjects that are reasonably commensurate with those inherent in their actual or expected... situations" and be "likely to yield generalizable knowledge about the subjects' disorder or condition that is of vital importance for the understanding or amelioration of the subjects' disorder or condition."

In assessing whether an intervention or procedure presents no more than a minor increase over minimal risk, there must be sufficient data that any research-related pain, discomfort or stress will not be severe and that any potential harms will be transient and reversible (Fisher et al. 2007). Even if the average risk associated with an intervention or procedure is thought to be low, if the risk estimate is unknown, reflects a large degree of variability, or has not been adequately characterized, then the risks of an intervention or procedure cannot be considered only a minor increase over minimal risk.

#### 15 Titre du document :

VAQTA Package Insert

https://drive.google.com/open?id=1LuPKwCve8Pguo-GJOzbOm1b9Hgu0Zn15

In a double-blind, placebo-controlled efficacy trial (i.e. The Monroe Efficacy Study), 1037 healthy children and adolescents 2 through 16 years of age.were randomized to receive a primary dose of 25U of VAQTA and a booster dose of VAQTA 6, 12, or 18 months later, or placebo (alum diluent)... There were no significant differences in the rates of any adverse events or adverse reactions between vaccine and placebo recipients after Dose 1.

#### 16 Titre du document :

DAPTACEL Clinical Review

https://drive.google.com/open?id=1CFrePXwN-q5vwCnuflnwLjUwScsLPvBU

## P. 61, tableau 50:

Rates for all hospitalizations, hospitalizations for acute otitis media, suspected bacterial respiratory infection, lower respiratory infection – no antibiotics, upper respiratory infection – no antibiotics, viral infection, gastroenteritis, urinary tract infection, seizures, trauma/intoxication, surgery were similar among vaccine groups.

#### 17 Titre de l'article :

Alternatives to Placebo-Controlled Trials https://www.cambridge.org/core/services/aopcambridge-

core/content/view/28A722D8EF2C2FCABB3A1AC24 77DFBB8/S0317167100005540a.pdf/alternatives to p lacebocontrolled\_trials.pdf

## PMID:

17469680

## Archive:

https://drive.google.com/open?id =1uSPdSiRKhZex8QwuHiOmLj gxD3 Fi7vE

Auteur principal/Année : Revue:

The Canadian Journal Of Neurological Sciences David L. Streiner, 2007

Streiner relève ce problème dans le contexte de la mesure de l'efficacité des essais, mais il est clair qu'il existe aussi par rapport à la sécurité, p 5 :

However, there are many methodological problems when the comparison group consists of an active treatment: [...] (b) when the two arms yield comparable results, there is no guarantee that either one was effective in that particular trial;

## Et la solution proposée, p. 5 :

My recommendation would be that, when an existing therapy exists, and if certain conditions apply:

\* Studies should consist of three arms: the new drug, the existing drug, and a placebo group.

Titre du document :

Recommended Child and Adolescent Immunization Schedule for ages 18 years or younger

https://drive.google.com/open?id=1Bcb5L30zbAB4FGtzItrzUs\_g1yJCy4lt

Auteur/Année :

CDC, 2020

19 Titre du document :

Pediarix Package Insert

https://drive.google.com/open?id=1rY3q-bXZDxIErcWTvm2th3hGm4zBRPAk

P. 5, 6, 8

20

Titre du document :

Kinrix Package Insert

https://drive.google.com/open?id=1Ulz5HRP4ROFm49kQniiuqQ2vsRIFNH61

P. 4

## 21-40

21

Titre du document :

INFANRIX Package Insert

https://drive.google.com/open?id=1fUUkPH8gHd5fiBFhyZhGBl56fwLtmcCf

P. 10:

Selected adverse events reported from a double-blind, randomized Italian clinical efficacy trial involving 4,696 children administered INFANRIX or 4,678 children administered whole-cell DTP vaccine (DTwP) (manufactured by Connaught Laboratories, Inc.) as a 3-dose primary series are shown in Table 4.

[...]

In a German safety study that enrolled 22,505 infants (66,867 doses of INFANRIX administered as a 3-dose primary series at 3, 4, and 5 months of age), all subjects were monitored for unsolicited adverse events that occurred within 28 days following vaccination using report cards.

22

Titre du document :

The Immunological Basis for Immunization Series - Pertussis <a href="http://apps.who.int/iris/bitstream/10665/44311/1/9789241599337">http://apps.who.int/iris/bitstream/10665/44311/1/9789241599337</a> eng.pdf

Auteur principal/Année :

WHO, 2009

Archive:

https://drive.google.com/open?id=1efbV0PaVOMSI6NcqbDtREba

v JizPM2C

P. 9:

All aP vaccines are associated with significantly lesser side-effects, and thus the replacement of the wP vaccines was mainly driven by the safety-profile of these vaccines.

23

Titre du document :

Adverse Effects of Pertussis and Rubella Vaccines <a href="http://www.nap.edu/read/1815/chapter/4#38">http://www.nap.edu/read/1815/chapter/4#38</a>

Auteur/Année :

IOM 1991

In fact, since the first reports of serious adverse events following administration of pertussis and rubella vaccines (Madsen, 1933; Modlin et al., 1975), virtually no placebo-controlled or other experimental studies in humans of the adverse events covered in this report have been published.

## 24 Titre du document :

Adverse Effects of Pertussis and Rubella Vaccines <a href="http://www.nap.edu/read/1815/chapter/4#39">http://www.nap.edu/read/1815/chapter/4#39</a>

## Auteur/Année:

IOM 1991

## P. 39:

A number of early studies of pertussis vaccine in the United States and the United Kingdom did include unexposed controls, but these studies were primarily concerned with efficacy and not with adverse events.

## 25 | Lien :

https://www.clinicaltrials.gov/ct2/results?term=Infanrix+safety&recr=Closed&rslt=&type= &cond=&intr=&titles=&outc=&spons=&lead=GlaxoSmithKline&id=&state1=&cntry1=&st ate2=&cntry2=&state3=&cntry3=&locn=&gndr=&age=0&phase=2&phase=3&rcv\_s=&rcv\_e=&lup\_s=&lup\_e=

<u>or</u>

https://drive.google.com/open?id=14MfvK7yfw9M092-JHj3RB5\_x7mjiPT\_E

## Titre du document :

Pentacel Package Insert

https://drive.google.com/open?id=1SB8zUchU9xp\_j0eQTHent-znyta\_oHec

P. 10 (11)

## 27 Titre du document :

Pentacel Safety Review

https://drive.google.com/open?id=1u4ugvQjcQWZ43AMSop6-zSYugvkHLoDK

P. 75-76

## 28 Titre du document :

Quadracel Package Insert

https://drive.google.com/open?id=1qIjY0SVED2Q8WxXhJj8DAXDJ725F6NVa

P. 5 (6)

## 29 Titre du document :

**DAPTACEL Package Insert** 

https://drive.google.com/open?id=1mD GBQsmiGMO-VFpdRMqEdX6yMLVfFwn

P. 10, 16-17, 21-22

## 30 Titre du document :

**DAPTACEL Clinical Review** 

https://drive.google.com/open?id=1CFrePXwN-q5ywCnuflnwLjUwScsLPvBU

#### P. 57, 61:

The Swedish trial (1992-1995) compared 4 groups: one of Infanrix by SmithKline Beecham (GSK), one CDPT (DAPTACEL) by Aventis-Pasteur (Sanofi), and one DTPwc – old generation vaccine by Aventis-Pasteur. The control group received a DT vaccine.

## 31 Titre du document :

Hiberix Package Insert

https://drive.google.com/open?id=1epLW5onHsW93NI2 qNxH-KaMvkcvATdc

P. 4, 14

## 32 Titre du document :

ActHIB Package Insert

https://drive.google.com/open?id=1MeKZaNrIaVRjy 2VmtvBO98t6syrVM14

P. 19-21

## 33 Titre du document :

PedvaxHIB Package Insert

https://drive.google.com/open?id=10rwMmdmZ H3FE9v1oPPiByLqGbFegngS

P. 7

## 34 Titre du document :

**IPOL Package Insert** 

https://drive.google.com/open?id=1sWAblyncNXw-78rh8LtzkIKAmQfAkOK2

## Titre du document :

IPOL FOIA FDA 2018

https://drive.google.com/open?id=1V7zf1YPJF2 V2KRRf-wUz-dCeKxMaUvz

P. 90-93, 13-15

## 36 Titre du document :

PREVNAR-13 Package Insert

https://drive.google.com/open?id=1\_iI7Np-BfDmUwkQzuJWp46rkSBZ-ow5i

#### P. 6:

The safety of Prevnar 13 was evaluated in 13 clinical trials in which 4,729 infants (6 weeks through 11 months of age) and toddlers (12 months through 15 months of age) received at least one dose of Prevnar 13 and 2,760 infants and toddlers received at least one dose of Prevnar active control.

## Titre du document :

PREVNAR-13 Package Insert

https://drive.google.com/open?id=1 iI7Np-BfDmUwkQzuJWp46rkSBZ-ow5i

## P. 6:

Serious adverse events reported following vaccination in infants and toddlers occurred in 8.2% among Prevnar 13 recipients and 7.2% among Prevnar recipients.

[...]

The most commonly reported serious adverse events were in the 'Infections and infestations' system organ class including bronchiolitis (0.9%, 1.1%), gastroenteritis, (0.9%, 0.9%), and pneumonia (0.9%, 0.5%) for Prevnar 13 and Prevnar respectively.

## 38 Titre du document :

PREVNAR Package Insert

https://drive.google.com/open?id=1VLR6NluMGK0E4yXUZM18IpUpi MI7-MP

P. 3, 5, 15, 21

## 39 Titre de l'article :

Efficacy, safety and immunogenicity of heptavalent pneumococcal conjugate vaccine in children

PMID: 10749457

Auteur principal/Année : Revue :

Steven Black, 2000 Pediatric Infectious Disease Journal

## P. 5:

Overall 513 pneumococcal vaccine recipients and 579 controls were hospitalized within 60 days of receipt of a dose of vaccine.

[...]

Review of emergency room visits within 30 days of vaccination revealed 1188 visits in pneumococcal vaccine recipients and 1169 visits in controls.

## 40 Titre du document :

PREVNAR Package Insert

https://drive.google.com/open?id=1VLR6NluMGK0E4yXUZM18IpUpi MI7-MP

## P. 2, 21:

Efficacy was assessed in a randomized, double-blinded clinical trial in a multiethnic population at Northern California Kaiser Permanente (NCKP) from October 1995 through August 20, 1998, in which 37,816 infants were randomized to receive either Prevnar® or a control vaccine (an investigational meningococcal group C conjugate vaccine [MnCC]) at 2, 4, 6, and 12-15 months of age.

[...]

The majority of the safety experience with Prevnar® comes from the NCKP Efficacy Trial in which 17,066 infants received 55,352 doses of Prevnar®, along with other routine childhood vaccines through April 1998.

## 41-60

## 41 Titre du document :

ENGERIX Package Insert

https://drive.google.com/open?id=1aZ1MtPiO58lE6Pjg0Ee PZZ10c4iLjUs

## P. 7:

Based on clinical trial symptom sheet data, the incidence of local side effects is 24% and of systemic side effects 8%; both local and systemic side effects occurred in approximately 13% of subjects. The incidence of local and systemic reactions was comparable to those of plasma derived hepatitis B vaccines.

## 42 Titre du document :

**ENGERIX Package Insert** 

https://drive.google.com/open?id=1aZ1MtPiO58lE6Pjg0Ee\_PZZ10c4iLjUs

## P. 7:

In a comparative trial in subjects from 11 years up to and including 15 years of age, the incidence of local and general solicited symptoms reported after a two-dose regimen of ENGERIX-B 20  $\mu$ g was overall similar to that reported after the standard three-dose regimen of ENGERIX-B 10  $\mu$ g.

## 43

## Titre du document :

TWINRIX Package Insert

https://drive.google.com/open?id=1K0vRj8CXuYtdhYUys4EPj2cG\_niylk0I

## P. 4:

In a US study, 773 subjects (aged 18 to 70 years) were randomized 1:1 to receive TWINRIX (0-, 1-, and 6-month schedule) or concurrent administration of ENGERIX-B (0-, 1-, and 6-month schedule) and HAVRIX (0- and 6-month schedule).

## 44

## Titre du document :

Recombivax-HB Package Insert

https://drive.google.com/open?id=1LHJU\_WAhXqewxvZJwWpRCRT7f4pHFaPk

## 45

## Titre du document :

HAVRIX Package Insert

https://drive.google.com/open?id=1XGppC-tPGSWvEZNGK8kRY15nGz76lxSA

P. 5, 10

## 46

## Titre du document :

VAQTA Clinical Review

https://drive.google.com/open?id=1IASUdLYQ1eUDFb8vXgFH61ZhJ9rJAfRd

P. 12, 22

## 47

## Titre du document :

VAQTA Package Insert

https://drive.google.com/open?id=1LuPKwCve8Pguo-GJOzbOm1b9Hgu0Zn15

P. 11, paragraphe 11. Description de l'adjuvant du vaccin. P. 7, tableau 5 (et table des matières) – avec le groupe de contrôle.

## 48

## Titre de l'article :

A controlled trial of a formalin-inactivated hepatitis A vaccine in healthy children <a href="http://www.nejm.org/doi/full/10.1056/NEJM1">http://www.nejm.org/doi/full/10.1056/NEJM1</a> 99208133270702#t=article+Methods

## PMID:

1320740

#### Archive :

https://drive.google.com/open?id=1Wy\_1j Dh1YVupEU7whmdE5VbKvyt\_y2Sk

Auteur principal/Année :

Alan Werzberger, 1992

Revue:

The New England Journal of Medicine

P. 2:

Like the vaccine, each dose of the placebo — aluminum hydroxide diluent — contained 300 µg of aluminum and thimerosal at a 1:20,000 dilution.

## 49

## Titre du document :

Varivax Package Insert

https://drive.google.com/open?id=1NnEIia3vR\_01iqYnq2wNDRWz\_ZcvPo48

P. 5

Titre de l'article :

Live Attenuated Varicella Virus Vaccine Efficacy trial in healthy children PMID: 6325909

Auteur principal/Année : Weibel, 1984

Revue : NEJM

P. 1-2:

The placebo (Lot 909/C-H663)was identical in appearance to the vaccine in both lyophilized and reconstituted forms, but contained no virus material. The placebo consisted of lyophilized stabilizer containing approximately 45 mg of neomycin per milliliter.

51

Titre de l'article :

Live Attenuated Varicella Virus Vaccine

PMID: 6325909

Efficacy trial in healthy children

Auteur principal/Année : Weibel, 1984

Revue : NEJM

P. 5:

The minimal clinical reactivity reported in this trial confirms our previous experience with the vaccine. Among 914 initially seronegative children, only pain and redness at the injection site were reported more frequently among vaccine recipients than placebo recipients.

52

Titre du document :

ProQuad Package Insert

https://drive.google.com/open?id=13MxSgUKzQwZ59M2YZ 9Hwtc 2l7tSQVh

P. 6, 8, 9-11

53

Titre du document :

MMR II Package Insert

https://drive.google.com/open?id=1IFm340mDs4z\_GUMRASgVUWK8mzQnNpXx

54

Titre du document :

MMR II FOIA FDA

https://drive.google.com/open?id=1GKahQSNG8LvCAnEG7SGNyYPUEiSJwfd8

55

Titre du document :

MMR FOIA FDA

https://drive.google.com/open?id=16qovZioEkWxDF739XeUdwvAyRk7unWm5

56

Titre du document :

Federal Register / Vol. 78, No. 142

https://drive.google.com/open?id=1Dml DhOUJWX5LlKr-9gM7olmHwlQVwFQ

Auteur/Année:

Federal Register, 2013

P. 3-4

57

Voir l'essai du RotaTeq, dans le tableau tout en haut : « Biological : Comparator : Placebo ».

https://clinicaltrials.gov/ct2/show/NCT00090233?term=rotavirus&rank=24

Archive: http://archive.is/8eGQQ

Pour le Rotarix, il est écrit : « The study has two groups: Group HRV and Group

Placebo »

https://clinicaltrials.gov/ct2/show/NCT00140673?term=rotavirus&rank=65

Archive: http://archive.is/LqCpd

58 Titre du document :

Rotarix Clinical Review

 $\underline{https://drive.google.com/open?id=1LNjfqQDrsaQEdaZ0MYNkc\_YfIrOz2kto}$ 

The placebo consisted of all components of Rotarix, but without any RV particles.

59

Titre du document :

Rotateq Clinical Review

https://drive.google.com/open?id=1T5ZQZYINtJhdrYGHrwSZ1M5HWFKf4dK8

P. 37

60

Titre de l'article :

Efficacy, Immunogenicity, and Safety of a Pentavalent Human-Bovine

PMID: <u>17200</u>266

(WC3) Reassortant Rotavirus Vaccine at the End of Shelf Life

Auteur principal/Année : Revue: Stan L. Block, 2007 **Pediatrics** 

P. 2:

The placebo was identical to the vaccine except that it did not contain the rotavirus

reassortants or trace trypsin.

# 61-70

61 Titre de l'article :

> Safety and Efficacy of an Attenuated Vaccine against Severe Rotavirus

Gastroenteritis

https://www.nejm.org/doi/full/10.1056/NEJ

Moa052434

Auteur principal/Année:

Guillermo M. Ruiz-Palacios, 2006

Revue:

PMID:

16394298

Archive:

The New England Journal of Medicine

https://drive.google.com/open?id=1BFeBU

KyHVq9msLCtJLdY3bHJsIIQ4pS3

P. 15-17

62

Titre de l'article :

Safety and Efficacy of a Pentavalent Human-Bovine (WC3) Reassortant

Rotavirus Vaccine

https://www.nejm.org/doi/full/10.1056/NE

JMoa052664

PMID:

16394299

Archive:

https://drive.google.com/open?id=18tKqyoOx 5aSXdOCwFiSfffbqMzVIsY2W

Auteur principal/Année:

Revue:

Timo Vesikari, 2006

The New England Journal of Medicine

P. 28-30 (6-8)

#### 63 Titre du document :

**ROTARIX** Package Insert

https://drive.google.com/open?id=1b1rURgJfPiXgg3HGZtYzhpKnjv7ZW-P0

## P. 5:

No increased risk of intussusception was observed in this clinical trial following administration of ROTARIX when compared with placebo

#### 64 Titre de l'article :

Postmarketing Surveillance of Intussusception Following Mass Introduction of the Attenuated Human

Rotavirus Vaccine in Mexico

Revue:

Auteur principal/Année: F. Raúl Velázquez, 2012

The Pediatric Infectious Disease Journal

The attenuated human rotavirus vaccine was not found to be associated with an increased risk of intussusception in a large prelicensure placebo-controlled, clinical trial involving 63,225 infants in 11 Latin American countries and Finland.

#### Titre de l'article :

Risk of Intussusception After Rotavirus Vaccination:

Meta-analysis of Postlicensure Studies

https://journals.lww.com/pidj/fulltext/2015/07000/Risk \_of\_Intussusception\_After\_Rotavirus.18.aspx

## PMID: 26069948

PMID:

22695189

Archive:

https://drive.google.com/open?id =172UmbRygo9WBW9iza1NlNk 3A0-7uV057

Auteur principal/Année: Revue:

Dominique Rosillon, 2015 The Pediatric Infectious Disease Journal

No increased risk of serious adverse events, including intussusception, was detected in prelicensure clinical studies of either RV1 or RV5, including 2 randomized, controlled trials each involving over 60,000 infants.

#### 65 Titre du document :

Ethical Considerations in Conducting Pediatric Research

Chapitre tiré du livre suivant :

Pediatric Clinical Pharmacology

https://www.springer.com/gp/book/9783642201943

## Auteur/Année:

Michelle Roth-Cline, 2011

In assessing whether an intervention or procedure presents no more than a minor increase over minimal risk, there must be sufficient data that any research-related pain, discomfort or stress will not be severe and that any potential harms will be transient and reversible.

#### 66 Titre du document :

Declaration Of Helsinki - Ethical Principles For Medical Research Involving Human Subjects

https://www.wma.net/policies-post/wma-declaration-of-helsinki-ethical-principles-formedical-research-involving-human-subjects/

Auteur/Année : Archive:

WMA, 1964 http://archive.is/4r8lC

## Paragraphe 18:

18. Physicians may not be involved in a research study involving human subjects unless they are confident that the risks have been adequately assessed and can be satisfactorily managed. When the risks are found to outweigh the potential benefits or when there is conclusive proof of definitive outcomes, physicians must assess whether to continue, modify or immediately stop the study

## Paragraphe 28:

28. For a potential research subject who is incapable of giving informed consent, the physician must seek informed consent from the legally authorised representative. These individuals must not be included in a research study that has no likelihood of benefit for them unless it is intended to promote the health of the group represented by the potential subject, the research cannot instead be performed with persons capable of providing informed consent, and the research entails only minimal risk and minimal burden.

#### 67 Titre du document :

The Nuremberg Code

"Trials of War Criminals before the Nuremberg Military Tribunals under Control Council Law No. 10"

https://drive.google.com/open?id=1zCEx9tvA 1vs4KycwYUU9uQ1GHC0mXp6

## Auteur/Année:

U.S. Government, 1949

#### P. 1, point 4:

The experiment should be so conducted as to avoid all unnecessary physical and mental suffering and injury.

#### 68 Titre du document :

Expert consultation on the use of placebos in vaccine trials

http://apps.who.int/iris/bitstream/handle/10665/94056/9789241506250 eng.pdf

Auteur/Année: Archive:

WHO, 2013 https://drive.google.com/open?id=1yLHGu4pO0K2 xUZmNsE4RyxrbUtkq382v

#### P. 12:

The research must have a risk-benefit profile judged to be favourable, based on sufficient evidence from previous clinical and non-clinical studies (i.e. the expected benefits of conducting the research must outweigh any associated potential risks). There is an ethical obligation to introduce measures to reduce the risks to all trial participants.

#### 69 Titre du document :

DAPTACEL Clinical Review

https://drive.google.com/open?id=1CFrePXwN-q5ywCnuflnwLjUwScsLPvBU

P. 61, tableau 50

#### 70 Liste des articles :

https://www.ncbi.nlm.nih.gov/pubmed/25371534 https://www.ncbi.nlm.nih.gov/pubmed/29443825 https://www.ncbi.nlm.nih.gov/pubmed/29239682 https://www.ncbi.nlm.nih.gov/pubmed/29217375 https://www.ncbi.nlm.nih.gov/pubmed/28720281 https://www.ncbi.nlm.nih.gov/pubmed/28522338 https://www.ncbi.nlm.nih.gov/pubmed/28498853

# Chapitre 2 : La science des effets indésirables des vaccins : Un chaînon manquant et une boîte à outils vide

## 1-20

1 Titre du document :

Immunization Safety Review: Measles-Mumps-Rubella Vaccine and Autism <a href="http://nationalacademies.org/hmd/reports/2001/immunization-safety-review-measles-mumps-rubella-vaccine-and-autism.aspx">http://nationalacademies.org/hmd/reports/2001/immunization-safety-review-measles-mumps-rubella-vaccine-and-autism.aspx</a>

Auteur/Année : IOM, 2011

2 Titre du document :

Immunization Safety Review: Thimerosal - Containing Vaccines and Neurodevelopmental Disorders

http://www.nationalacademies.org/hmd/reports/2001/Immunization-Safety-Review-Thimerosal---Containing-Vaccines-and-Neurodevelopmental-Disorders.aspx

Auteur/Année : IOM, 2001

3 Titre du document :

Immunization Safety Review: Vaccinations and Sudden Unexpected Death in Infancy <a href="http://www.nationalacademies.org/hmd/Reports/2003/Immunization-Safety-Review-Vaccinations-and-Sudden-Unexpected-Death-in-Infancy.aspx">http://www.nationalacademies.org/hmd/Reports/2003/Immunization-Safety-Review-Vaccinations-and-Sudden-Unexpected-Death-in-Infancy.aspx</a>

Auteur/Année : IOM, 2003

4 Titre du document :

Immunization Safety Review Vaccines and Autism

https://www.nap.edu/catalog/10997/immunization-safety-review-vaccines-and-autism

Auteur/Année : IOM, 20041

Titre du document :

Childhood Immunization Schedule and Safety: Stakeholder Concerns, Scientific Evidence, and Future Studies

 $\underline{\text{http://nationalacademies.org/hmd/reports/2013/the-childhood-immunization-schedule-and-safety.aspx}$ 

Auteur/Année : IOM, 2013

6 Titre du document :

Adverse Effects of Vaccines: Evidence and Causality

 $\underline{http://nationalacademies.org/hmd/reports/2011/adverse-effects-of-vaccines-evidence-and-causality.aspx}$ 

Auteur/Année : IOM, 2011

7 Titre du document :

Adverse Effects of Vaccines: Evidence and Causality

http://nationalacademies.org/hmd/reports/2011/adverse-effects-of-vaccines-evidence-and-causality.aspx

## Auteur/Année:

IOM, 2011

## P. 30 (59):

In 2009 HRSA requested that the IOM convene a committee of experts to review the epidemiological, clinical, and biological evidence regarding adverse health events associated with specific vaccines covered by the VICP. The committee was charged with developing a consensus report with conclusions on the evidence bearing on causality and the evidence regarding the biological mechanisms that underlie specific theories for how a specific vaccine is related to a specific adverse event.

## 8 Désignation abrégée :

IOM 2011

## P. IX (10):

Following in this tradition, the task of this committee was to assess dispassionately the scientific evidence about whether eight different vaccines cause adverse events (AE), a total of 158 vaccine-AE pairs, the largest study undertaken to date, and the first comprehensive review since 1994.

## 9 Désignation abrégée :

IOM 2011

## P. 18 (47):

The committee concluded the evidence convincingly supports 14 specific vaccine–adverse event relationships. In all but one of these relationships, the conclusion was based on strong mechanistic evidence with the epidemiologic evidence rated as either limited confidence or insufficient.

[...]

The committee concluded the evidence favors acceptance of four specific vaccine–adverse event relationships.

## 10 Désignation abrégée :

IOM 2011

## P. 23 (52):

The committee concluded the evidence favors rejection of five vaccine–adverse event relationships.

[...]

The vast majority of causality conclusions in the report are that the evidence was inadequate to accept or reject a causal relationship.

# 11 Désignation abrégée :

IOM 2011

P. 19-21 (48-50)

# Désignation abrégée : IOM 2011

P. 630-632 (659-661)

13	Titre de l'article : Vaccine Safety: New Report Finds Few Adverse Events Linked to Immunizations	Date : 25 août 2011		
	Site Internet: Time Magazine <a href="http://healthland.time.com/2011/08/25/vaccine-safety-new-report-finds-few-adverse-events-linked-to-immunizations/">http://healthland.time.com/2011/08/25/vaccine-safety-new-report-finds-few-adverse-events-linked-to-immunizations/</a>			
	Archive: <a href="http://archive.is/kV5ko">http://archive.is/kV5ko</a>			
	Titre de l'article : Report Finds Few Side Effects For Vaccines	Date : 25 août 2011		
	Site Internet: Forbes <a href="http://www.forbes.com/sites/matthewherper/2011/08/25/report-finds-few-side-effects-for-vaccines/#2715e4857a0b41d59ef62b39">http://www.forbes.com/sites/matthewherper/2011/08/25/report-finds-few-side-effects-for-vaccines/#2715e4857a0b41d59ef62b39</a>			
	Archive: <a href="http://archive.is/X70SL">http://archive.is/X70SL</a>			
	Titre de l'article : IOM review ties few adverse effects to vaccines	Date : 25 août 2011		
	Site Internet: CIDRAP <a href="http://www.cidrap.umn.edu/news-perspective/2011/08/iom-review-ties-few-adverse-effects-vaccines">http://www.cidrap.umn.edu/news-perspective/2011/08/iom-review-ties-few-adverse-effects-vaccines</a>			
	Archive: http://archive.is/u3YmY			

#### 14 Titre de l'article :

Leading Dr.: Vaccines-Autism Worth Study 12 mai 2008

Date:

## Site Internet:

**CBS NEWS** 

https://www.cbsnews.com/news/leading-dr-vaccines-autism-worth-study/

http://archive.is/q82UH

Bernadine Healy, ancienne haut fonctionnaire des organismes de santé publique américains, a déclaré à CBS News en 2008 :

Healy goes on to say public health officials have intentionally avoided researching whether subsets of children are "susceptible" to vaccine side effects - afraid the answer will scare the public.

"You're saying that public health officials have turned their back on a viable area of research largely because they're afraid of what might be found?" Attkisson asked.

Healy said: "There is a completely expressed concern that they don't want to pursue a hypothesis because that hypothesis could be damaging to the public health community at large by scaring people.

#### 15 Désignation abrégée :

IOM 2011

## P. 28 (57):

The overwhelming safety and effectiveness of vaccines in current use in preventing serious disease has allowed them to gain their preeminent role in the routine protection of health.

# Désignation abrégée : IOM 2011

## P. 49 (78):

It is important to note that mechanistic evidence can only support causation. Epidemiologic evidence, by contrast, can support ("favors acceptance of") a causal association or can support the absence of ("favors rejection of") a causal association in the general population and in various subgroups that can be identified and investigated, unless or until supportive mechanistic evidence is discovered or a rare, susceptible subgroup can be identified and investigated.

## 17 Désignation abrégée :

IOM 2011

## P. X (11):

Many of the case reports the committee reviewed simply cited a temporal relation between vaccine administration and an adverse event.

## 18 Désignation abrégée :

IOM 2011

P. 440-442 (469-471)

## 19 Désignation abrégée :

IOM 2011

P. 154-156 (183-185)

## 20 Nom de la page :

Acute Disseminated Encephalomyelitis (ADEM)

## Site Internet:

WEBMD

https://www.webmd.com/brain/acute-disseminated-encephalomyelitis-adem#1

#### Archive:

http://archive.is/8u53v

ADEM seems to be an autoimmune disease. That means your immune system attacks your body's own cells and tissues as if they were outside bacteria or viruses. Experts don't know exactly what triggers it, but it could be an overreaction to an infection. Most of the time, the attack happens when a child is getting over some common illness, like a cold or stomach bug.

ADEM sometimes follows an immunization, particularly certain rabies shots and the vaccine for measles, mumps, and rubella. No direct connection has been made though. Other times, nothing out of the ordinary happens before symptoms appear.

# 21-34

## 21 Nom de la page :

Optic neuritis

## Site Internet :

Mayo Clinic

https://www.mayoclinic.org/diseases-conditions/optic-neuritis/symptoms-causes/syc-20354953

## Archive:

http://archive.is/A9RBl

The exact cause of optic neuritis is unknown.

## 22

Nom de la page :

Guillain-Barre syndrome

Site Internet:

Mayo Clinic

https://www.mayoclinic.org/diseases-conditions/guillain-barre-syndrome/symptoms-causes/syc-20362793

Archive:

http://archive.is/2IgLm

The exact cause of Guillain-Barre syndrome isn't known.

## 23

## Nom de la page :

What is Transverse Myelitis?

## Site Internet:

Johns Hopkins Medicine

http://www.hopkinsmedicine.org/neurology\_neurosurgery/centers\_clinics/transverse\_myelit is/about-tm/what-is-transverse-myelitis.html

#### Archive:

http://archive.is/CiqdA

The cause of 60% of TM cases may remain unknown despite the presence of inflammatory mechanisms. However, the remaining 40% is associated with autoimmune disorders such as multiple sclerosis, neuromyelitis optica, systemic lupus erythematous, Sjogren's syndrome and sarcoidosis among others. The term *idiopathic* — meaning the cause is unknown-has been used in the past in situations in which the cause cannot be determined. However, the lack of demonstration of a causative disorder, mechanism or agent may be the result of failure of an early diagnosis or the result of causative factors that disappears quickly such as in cases of viral infections or post-infectious disorders.

## 24

## Nom de la page :

Lupus

## Site Internet :

Mayo Clinic

http://www.mayoclinic.org/diseases-conditions/lupus/basics/causes/con-20019676

## Archive :

http://archive.is/SY0oG

Lupus occurs when your immune system attacks healthy tissue in your body (autoimmune disease). It's likely that lupus results from a combination of your genetics and your environment.

It appears that people with an inherited predisposition for lupus may develop the disease when they come into contact with something in the environment that can trigger lupus. The cause of lupus in most cases, however, is unknown.

## 25

## Nom de la page :

Vasculitis

## Site Internet :

Mavo Clinic

http://www.mayoclinic.org/diseases-conditions/vasculitis/basics/causes/con-20026049

#### Archive:

http://archive.fo/DMh6g

The exact cause of vasculitis isn't fully understood. Some types are related to a person's genetic makeup. Others result from the immune system attacking blood vessel cells by mistake.

#### 26 Nom de la page :

Type 1 diabetes in children

## Site Internet:

Mayo Clinic

https://www.mayoclinic.org/diseases-conditions/type-1-diabetes-in-children/symptomscauses/svc-20355306

#### Archive:

http://archive.fo/TqdgF

The exact cause of type 1 diabetes is unknown. But in most people with type 1 diabetes, the body's immune system — which normally fights harmful bacteria and viruses — mistakenly destroys insulin-producing (islet) cells in the pancreas. Genetics and environmental factors appear to play a role in this process.

#### 27 Désignation abrégée :

IOM 2011

P. 13 (43)

#### 28 Désignation abrégée :

IOM 2011

## P. XI (12):

Although the committee is optimistic that more can and will be known about vaccine safety in the future...

#### 29 Titre du document :

Varivax Product Sheet

https://drive.google.com/open?id=1NnEIia3vR\_01iqYnq2wNDRWz\_ZcvPo48

Vaccine-related adverse reactions reported during clinical trials were assessed by the study investigators to be possibly, probably, or definitely vaccine-related and are summarized below.

#### 30 Titre du document :

Engerix Clinical Review

https://drive.google.com/open?id=1lt2scepRp3pTpbB4HQ3cYtE5bU3twD6o

#### P. 15:

Of 55 SAEs reported during the active phase of the protocol and 12 reported during the 180 day extended safety follow-up, none were considered to be vaccine related.

PMID:

24794369

## Titre de l'article :

Safety and Immunogenicity of Tetanus Diphtheria and

Acellular Pertussis (Tdap) Immunization During Pregnancy in Mothers and Infants

Auteur principal/Année: Revue: Flor M. Munoz, 2014 **JAMA** 

Whether an adverse event was attributable to vaccination was judged by the investigators considering temporality, biologic plausibility, and identification of alternative etiologies for each event.

Serious adverse events were reported by 22 participants... None were judged to be attributable to Tdap vaccine.

Titre de l'article : PMID: 20413076

Safety and Immunogenicity of the HPV-16/18 AS04-Archive: Adjuvanted Vaccine: A Randomized, Controlled Trial in https://drive.google.com/o Adolescent Girls pen?id=1UyuQfB7G1uAL http://www.hu.ufsc.br/projeto hpv/Safety%20and%20Immun itDdnO-AZxJk7Tw1ojHX ogenicity%20of%20the%20HPV-1618%20AS04-Adjuvanted.pdf Auteur principal/Année: Revue: Doris M. Rivera Medina, 2010 Journal of Adolescent Health P. 419 (6): No SAE in the HPV-16/18 vaccine group was considered related to vaccination or led to withdrawal. PMID: Titre de l'article : Safety of a new conjugate meningococcal C 11668101 vaccine in infants Archive: https://adc.bmj.com/content/archdischild/85/5/ https://drive.google.com/open?id=1hXmU 391.full.pdf hIcV38Y 1fGaUHJCL89rz6oaVUe7

Auteur principal/Année: Revue:

R Lakshman, 2001 Archives of Disease in Childhood

#### P. 4, image 2:

1755 (63%) subjects had adverse events that were considered not to have any causal relation with the vaccine.

#### 31 Titre du document :

PEDIACEL Package Insert

https://drive.google.com/open?id=18Bb7jBpmRTQHDJ JAYb7v1fpCK9-NboP

The following additional adverse events have been spontaneously reported during the postmarketing use of PEDIACEL® worldwide. Because these events are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to vaccine exposure.

## Titre du document :

HAVRIX, Package Insert

https://drive.google.com/open?id=1XGppC-tPGSWvEZNGK8kRY15nGz76lxSA

In addition to reports in clinical trials, worldwide voluntary reports of adverse events received 136 for HAVRIX since market introduction of this vaccine are listed below. This list includes serious 137 adverse events or events which have a suspected causal connection to components of HAVRIX 138 or other vaccines or drugs. Because these events are reported voluntarily from a population of 139 uncertain size, it is not always possible to reliably estimate their frequency or establish a causal 140 relationship to the vaccine.

## Titre du document :

**ENGERIX Package Insert** 

https://drive.google.com/open?id=1aZ1MtPiO58lE6Pjg0Ee PZZ10c4iLjUs

## P. 87 :

The following adverse events have been reported following widespread use of the vaccine. As with other hepatitis B vaccines, in many instances the causal relationship to the vaccine has not been established.

#### 32 Titre de l'article : PMID: International Consensus (ICON): allergic reactions to vaccines 27679682 https://waojournal.biomedcentral.com/articles/10.1186/s40413 Archive: -016-0120-5 http://archive.is/d1J1F

Auteur principal/Année: Revue: Stephen C. Dreskin, 2016 World Allergy Organization Journal

All tests need to be interpreted carefully with appropriate positive and negative controls, recognizing that falsely positive skin test results may occur. These may be the result of true but clinically irrelevant IgE responses or to irritant effects of the vaccine.

33	Titre de l'article (traduit de l'hébreu) : The 6-year-old's liver collapsed; His mother's lobe saved him	Date : 11 novembre 2014
	Site Internet: https://www.ynet.co.il/articles/0,7340,L-4590167,00.html	Archive: http://archive.is/AbUmZ

In spite of all the intensive tests he has undergone, both hospitals have not been able to find out why the sudden and dramatic liver collapse. It is a rare condition. Once or twice a year, we have such a condition of a child with liver failure even though they are completely healthy.

"In this condition, they undergo tests to detect infectious, autoimmune or metabolic diseases, and often the cause is not found," explains Dr. Michael Gurevich, senior physician at the Schneider hospital transplant system, who was one of the surgeons.

One of the causes of the collapse, which was tested and ruled out is the flu vaccine he received the day before. "The medical literature does not describe a case where the flu vaccine caused liver inflammation or liver failure," Dr. Gurevich emphasizes. The mother also denies the possibility.

"The source of the problem is unknown and will probably never be known. All the possibilities were checked, all the tests were done, and do not know. We were told that it is a very rare condition for a child fully healthy to undergo a liver collapse. The best infectious disease specialists have said that if the child turned yellow within a day, then he was probably already sick. "

#### 34 Désignation abrégée : IOM 2011

## P. 28 (57):

The overwhelming safety and effectiveness of vaccines in current use in preventing serious disease has allowed them to gain their preeminent role in the routine protection of health.

# Chapitre 3 : Défaut de conception : Les systèmes de notification des effets indésirables des vaccins

# 1-20

1	Titre de l'article :		PMID:		
	Understanding vaccine safety in		<u>15071280</u>		
	Adverse Event Reporting System				
	Auteur principal/Année :	Revue:			
	Fredrick Varricchio, 2004	The Pediatric Infectious Dis	ease Journal		
	P. 2:	ava typically involved a relative	alv small number of		
	Clinical trials of new vaccines have typically involved a relatively small number of individuals (usually fewer than 10 000) and thus cannot usually detect uncommon adverse				
	events.				
2	Titre de l'article :		Archive :		
_	Post-marketing surveillance for		https://drive.google.com/o		
	vaccination: the national Vaccin	e Adverse Event Reporting	pen?id=1e1suDwD92AF9		
	System (VAERS) <a 20"="" href="http://www.fda.gov/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s/downloads/s&lt;/th&gt;&lt;th&gt;Safaty/MadWatch/HCM16840&lt;/th&gt;&lt;th&gt;TfTW6yk89-&lt;br&gt;PyMkgXqmFD&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;7.pdf&lt;/th&gt;&lt;th&gt;Saicty/Wed w atch/ OCW110649&lt;/th&gt;&lt;th&gt;1 ywrgaqiii D&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;Auteur principal/Année :&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;1&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;NIH/FDA, 1998&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=4&gt;P. 1:&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=4&gt;Even the largest pre-licensure trials (&gt;10,000 persons) are inadequate to assess the vaccine's&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;potential to induce rare but serio&lt;/th&gt;&lt;th&gt;us side effects.&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;3&lt;/th&gt;&lt;th&gt;Désignation abrégée :&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;PMID:&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;Varricchio 2004&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=2&gt;&lt;u&gt;15071280&lt;/u&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;P. 1&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;4&lt;/th&gt;&lt;th&gt;Nom de la page : Site&lt;/th&gt;&lt;th&gt;Internet:&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;About VAERS &lt;u&gt;http&lt;/u&gt;&lt;/th&gt;&lt;th&gt;s://vaers.hhs.gov/about/index#o&lt;/th&gt;&lt;th&gt;&lt;u&gt;objectives&lt;/u&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;,&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;5&lt;/th&gt;&lt;th&gt;Nom de la page :&lt;/th&gt;&lt;th&gt;Archive :&lt;/th&gt;&lt;th&gt;&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=2&gt;Frequently Asked Questions &lt;a href=" https:="" web="" web.archive.org="">https://web.archive.org/web/20</a>	80825190718/https://vaers.h			
	(FAQs) <u>hs.gov/faq.html</u>				
	Site Internet :				
	VAERS website				
	https://vaers.hhs.gov/faq.html				
6	Décignation obtécés :		DMID.		
6	Désignation abrégée : Varricchio 2004		PMID: 15071280		
			150/1200		
		P. 2: VAERS is a passive surveillance, or spontaneous reporting, system. Passive surveillance			
1	v Aliko is a passive surveillance	, or spontaneous reporting, syst	wiii. Tassive sulveliialice		
		essionals (or vaccinees) to volu	ntarily submit reports of		
	systems rely on health care profe illness after vaccination.	essionals (or vaccinees) to volu	ntarily submit reports of		

7 Nom de la page : Archive: Guide to Interpreting VAERS Data https://web.archive.org/web/20180209232915/https:// vaers.hhs.gov/data/dataguide.html Site Internet : VAERS website https://vaers.hhs.gov/data/dataguide.html "Underreporting" is one of the main limitations of passive surveillance systems, including

8 Nom de la page : Archive: Information for Healthcare https://web.archive.org/web/20171125064142/https://vaers.h hs.gov/resources/infoproviders.html Providers Site Internet : VAERS website https://vaers.hhs.gov/resources/infoproviders.html Désignation abrégée : PMID: Varricchio 2004 15071280 P. 4: Only selected adverse events, as specified in the Reportable Events Table, are required by law to be reported by vaccine providers. The adverse events listed in the table have been shown to be potentially related to vaccination and therefore may be compensable through the Vaccine Injury Compensation Program (www.hrsa.gov/osp/vicp/) in the absence of an alternate cause.

#### 9 Titre du document : Archive: Electronic Support for Public Health–Vaccine Adverse Event https://drive.google.com/o Reporting System (ESP:VAERS) pen?id=1Uih BuqrRJoaj4 https://healthit.ahrq.gov/sites/default/files/docs/publication/r1 o3otgqZiWiYgeBIH9H 8hs017045-lazarus-final-report-2011.pdf

# Auteur principal/Année:

Ross Lazarus, 2011

**VAERS** 

New surveillance methods for drug and vaccine adverse effects are needed. Barriers to reporting include a lack of clinician awareness, uncertainty about when and what to report, as well as the burdens of reporting: reporting is not part of clinicians' usual workflow, takes time, and is duplicative.

10	Titre de l'article : Post-marketing surveillance for adverse events after vaccination: the national Vaccine Adverse Event Reporting System (VAERS) <a href="http://www.fda.gov/downloads/Safety/MedWatch/UCM168497.pdf">http://www.fda.gov/downloads/Safety/MedWatch/UCM168497.pdf</a>	Archive: https://drive.google.com/open?id=1e1suDwD92AF9 TfTW6yk89- PyMkgXqmFD		
	Auteur principal/Année : NIH/FDA, 1998			
	P. 1-2: Thus, when the product leaves the controlled study environment of clinical trials and is put into general clinical use by practitioners, the ability to determine the actual incidence of adverse events is questionable.			
	Désignation abrégée : Varricchio 2004	PMID: <u>15071280</u>		

#### P. 4:

Therefore because VAERS functions primarily as a voluntary reporting system, reporting occurs for only a proportion of suspected adverse events, and this proportion varies depending on the vaccine and the type of event.

#### 11 Titre de l'article :

Introducing MEDWatch

http://www.fda.gov/downloads/Safety/MedWatch/UCM20141 9.pdf

#### Archive:

https://drive.google.com/o pen?id=1 NEuU4vhWzPh 7ZTBVa aiIuTr3Eagcfy

## Auteur principal/Année:

David A. Kessler, 1993

David Kessler, ancien directeur de la FDA.

## P. 1:

Only about 1% of serious events are reported to the FDA, according to one study.

#### Titre du document :

Electronic Support for Public Health-Vaccine Adverse Event Reporting System (ESP:VAERS)

https://healthit.ahrq.gov/sites/default/files/docs/publication/r1 8hs017045-lazarus-final-report-2011.pdf

#### Archive:

https://drive.google.com/o pen?id=1Uih\_BuqrRJoaj4 o3otgqZiWiYgeBIH9H

## Auteur principal/Année:

Ross Lazarus, 2011

## P. 6:

Adverse events from drugs and vaccines are common, but underreported. Although 25% of ambulatory patients experience an adverse drug event, less than 0.3% of all adverse drug events and 1-13% of serious events are reported to the Food and Drug Administration (FDA). Likewise, fewer than 1% of vaccine adverse events are reported.

#### 12 Désignation abrégée :

Varricchio 2004

PMID:

15071280

#### P. 4:

Some studies have attempted to calculate incidence rates of adverse events with VAERS data along with the Biologics Surveillance Summaries that provide information on vaccine doses distributed in the United States. The most important limitation of the Biologics Surveillance Summaries is that they do not permit determination of the number of persons who actually received vaccine.

#### 13 Désignation abrégée : Varricchio 2004

PMID: 15071280

#### P. 4:

Because the VAERS database does not receive complete reporting of all adverse events and because many events it contains lack confirmed diagnoses and/or cannot be attributed to vaccines, VAERS cannot be used to calculate the incidence of adverse reactions after vaccination.

14	Titre de l'article : Post-marketing surveillance for adverse events after vaccination: the national Vaccine Adverse Event Reporting System (VAERS) <a href="http://www.fda.gov/downloads/Safety/MedWatch/UCM16849">http://www.fda.gov/downloads/Safety/MedWatch/UCM16849</a> 7.pdf				Archive: https://drive.google.com/o pen?id=1e1suDwD92AF9 TfTW6yk89- PyMkgXqmFD
	Auteur principal/Année : NIH/FDA, 1998				
	P. 3: Since VAERS receives an estimated 12,000 reports annually, it is difficult to ensure the accuracy and completeness of the database with available resources.				
	Désignation abrégée : Varricchio 2004				PMID: <u>15071280</u>
	P. 2: It is important to understand that submissions to VAERS are not formal case reports, but rather nonstandardized descriptions of symptoms and signs temporally associated with a vaccination or vaccinations. The information in a report is not necessarily complete, nor is it verified in most cases.				
15	Nom de la page : Frequently Asked Questions	Questions (FAQs)  Archive: <a href="https://web.archive.org/web/20180825190718/https">https://web.archive.org/web/20180825190718/https</a> <a href="https://web.archive.org/web/20180825190718/https">https://web.archive.org/web/20180825190718/https</a> <a href="https://web.archive.org/web/20180825190718/https">https://web.archive.org/web/20180825190718/https</a>			
	Site Internet: VAERS website https://vaers.hhs.gov/about/faqs#who_reports				
16	Postlicensure Safety Surveillance for Quadrivalent Human Papillomavirus Recombinant Vaccine <a href="https://jamanetwork.com/journals/jama/ft184421">https://jamanetwork.com/journals/jama/ft184421</a> Auteur principal/Année:  Barbara A. Slade, 2009  JAM.		/fullarticle/	PMID: 19690307  Archive: https://drive.google.com/open?id=1MQ IcFiM-5POt66gfIdLaASCdgY9EZcDF	
			vue :		
	P. 1				
17	Slade 2009	Archive:  https://drive.google.com/open?id=1MQIcFiM- 5POt66gfIdLaASCdgY9EZcDF			
	P. 1				
18	Slade 2009	Archive: https://drive.google.com/open?id=1MQIcFiM- 5POt66gfIdLaASCdgY9EZcDF			
	P. 3: Of the 8471 manufacturer reports for qHPV AEFIs, 7561 (89%) had insufficient identifying information to permit clinical follow-up or review.			had insufficient identifying	
	Titre de l'article : Completeness of serious adverse drug event reports received by the US Food and Drug Administration in 2014  PMID: 26861066			· ·	
	Auteur principal/Année : Revue : Pharmacoepidemiology and drug safety				

Il en va de même en matière de déclaration des effets indésirables des médicaments pharmaceutiques.

P. 1:

Overall, 21,595 (86.2%) of serious reports submitted directly to the FDA provided data for all four completeness variables, compared with 271,022 (40.4%) of manufacturer expedited reports and 24,988 (51.3%) of periodic reports. Among manufacturer serious reports, 37.9% lacked age and 46.9% had no event date. Performance by 25 manufacturers submitting 5000 or more reports varied from 24.4% complete on all variables to 67% complete. Patient death cases had the lowest completeness scores in all categories.

19 Désignation abrégée : Archive:

Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

P. 7:

However, VAERS data need to be interpreted with caution [...] data limitations include underreporting...

20 Désignation abrégée : Archive:

> Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

P. 7:

...the extent of underreporting to VAERS is not known.

## 21-40

21 Désignation abrégée : Archive:

> Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

P. 7:

AEFI reporting rates also need cautious interpretation, because vaccine distribution data do not allow calculation of age-specific reporting rates and do not provide the numbers of doses actually administered

22 Désignation abrégée : Archive:

> Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

> > 5POt66gfIdLaASCdgY9EZcDF

P. 3:

From June 1, 2006, through December 31, 2008, VAERS received 12,424 reports of AEFIs following receipt of qHPV (Table 1), an overall reporting rate of 53.9 reports per 100,000 vaccine doses distributed.

23 Désignation abrégée : Archive:

Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

P. 7:

The postlicensure safety profile presented here is broadly consistent with safety data from prelicensure trials.

24 Nom du document :

**GARDASIL** Package Insert

https://drive.google.com/open?id=1u3cOmn6ehXdR21bNuUQ7He3q6e2jFFxx

P. 8, tableau 9

#### 25 Désignation abrégée :

Slade 2009

Archive:

https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

## P. 2:

We also used proportional reporting ratio (PRR), another method to detect potential associations between reported AEFIs and a drug or vaccine, to compare the proportion of selected AEFI reports for qHPV with the proportion of selected AEFI reports for all other vaccines by age group and sex.

#### P. 6:

The PRR for deaths in 6- to 17-year olds was 1.4 (\_2=0.42, P=.52). The PRR for deaths in 8- to 29-year-olds was 1.2 (\_2=0.01, P=.92). Neither of these met the screening criteria for signal detection.

#### 26 Désignation abrégée : Varricchio 2004

PMID: 15071280

P. 4-5:

Attempts to use the VAERS data to calculate internal "relative risks" of specific adverse events for a vaccine, using reports for another vaccine as a "control" group, raise a fifth methodologic issue. Relative risks represent a ratio of incidence rates, and incidence rates cannot be calculated from VAERS data as previously discussed. Relative reporting rates might be calculated, but elevated relative reporting rates calculated from VAERS data may be spurious, regardless of the results of statistical significance testing.

#### Et:

Relative reporting rates from VAERS should not be confused with data-mining methods that attempt to

identify adverse events reported more commonly after one vaccine (or group of vaccines) than after others. Three data-mining methods being applied increasingly to medical product safety data are the proportional reporting rate ratio (PRR), empiric Bayesian and neural network approaches.

[...]

PRR and other data-mining statistics can be biased by differences in usage and reporting of adverse events; thus elevated data-mining statistics do not necessarily reflect a causal relationship between a vaccine and an adverse event. PRR and other data-mining statistics should not be interpreted or presented as relative risks of specific vaccine adverse events. Such statistics should be used only as a hypothesis generation tool and are evaluated in the same manner as other hypotheses generated by VAERS.

## 27

## Désignation abrégée :

Slade 2009

Archive:

https://drive.google.com/open?id=1MOIcFiM-

5POt66gfIdLaASCdgY9EZcDF

## P. 1:

Most of the AEFI rates were not greater than the background rates compared with other vaccines, but there was disproportional reporting of syncope and venous thromboembolic events. The significance of these findings must be tempered with the limitations (possible underreporting) of a passive reporting system.

## 28

Désignation abrégée :

Archive:

Slade 2009

https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

## P. 7:

The VAERS reporting rate for qHPV is triple the rate for all other vaccines combined[...]

Archive: Désignation abrégée :

> Slade 2009 https://drive.google.com/open?id=1MQIcFiM-

> > 5POt66gfIdLaASCdgY9EZcDF

P. 7:

The VAERS reporting rate for qHPV is triple the rate for all other vaccines combined, perhaps reflecting greater public attention to HPV than the usual increased reporting following licensure of a new product ("Weber effect").

Reports of VTEs after qHPV immunization should be interpreted with caution due to the multiple limitations of a passive reporting system and the potential effect of widespread media coverage stimulating reporting.

30 Désignation abrégée :

Slade 2009

Archive:

https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

P. 7:

However, VAERS data need to be interpreted with caution, because not all reported events are systematically validated, and many may have only coincidentally followed vaccination. In addition, data limitations include underreporting, inconsistency in the quality and completeness of reported data, stimulated reporting due to extensive news coverage, and reporting biases.

[...]

A further limitation of VAERS reports after qHPV is that a large proportion (68%) come from the manufacturer and most of these reports (89%) do not include sufficient identifying information to allow medical review of the individual cases.

31 Désignation abrégée :

Slade 2009

Archive:

https://drive.google.com/open?id=1MQIcFiM-

5POt66gfIdLaASCdgY9EZcDF

Most of the AEFI rates were not greater than the background rates compared with other vaccines

32 Titre de l'article :

Study: HPV Vaccine Mostly Safe

Date:

19 août 2009

Archive:

http://archive.is/tIPgl

Site Internet:

NPR (Bational Public Radio)

https://www.npr.org/templates/story/story.php?storyId=112035659?storyId=112035659

It still appears that the vaccine is safe and that the benefits outweigh the risks.

Titre de l'article :

HPV shot found safe, but some experts question its benefits

Date:

18 août 2009

Archive:

http://archive.fo/lOJ2M

Site Internet:

CNN

http://edition.cnn.com/2009/HEALTH/08/18/hpv.vaccine.safety/index.html?iref=24hours

"This continues to be a safe vaccine," says lead researcher Dr. Barbara A. Slade, a medical officer at the CDC.

33 Nom de la page : Archive: Human Papillomavirus (HPV) Vaccine Safety http://archive.fo/lL2bv Site Internet: CDC website https://vaers.hhs.gov/resources/infoproviders.html Titre du document : Archive: GACVS Safety update on HPV Vaccines https://drive.google.com/open?id=1t http://www.who.int/vaccine\_safety/committee/topic WVoxULCHrmFbKCxNOLLFt6tc95 s/hpv/130619HPV VaccineGACVSstatement.pdf **OhmoE** Auteur/Année : GACVS, 2013 P. 3

#### 34 Titre du document :

Electronic Support for Public Health–Vaccine Adverse Event Reporting System (ESP:VAERS) https://healthit.ahrq.gov/sites/default/files/docs/publ ication/r18hs017045-lazarus-final-report-2011.pdf

#### Archive:

https://drive.google.com/open?id=1U ih BuqrRJoai4o3otgqZiWiYgeBIH9 Η

## Auteur/Année:

Ross Lazarus, 2011

Adverse events from drugs and vaccines are common, but underreported. Although 25% of ambulatory patients experience an adverse drug event, less than 0.3% of all adverse drug events and 1-13% of serious events are reported to the Food and Drug Administration (FDA). Likewise, fewer than 1% of vaccine adverse events are reported. Low reporting rates preclude or slow the identification of "problem" drugs and vaccines that endanger public health.

#### 35 Nom de la page :

CDC > NNDSS > Data Collection and Reporting > History

## Archive:

http://archive.is/w2tuo

## Site Internet:

CDC website

https://wwwn.cdc.gov/nndss/history.html

In 1879, a Congressional appropriation funded collecting and publishing reports of these notifiable diseases. The authority for weekly reporting and publishing of these cases was expanded by Congress in 1893 to include data from states and municipal authorities.

#### 36 Il existe de nombreux exemples. Nous en citons Archive: https://drive.google.com/open?i deux ici. d=1114t rRuADPsjiQRNIE-Titre du document : ZyOX7pkSP-QZ Investigating a Pertussis Outbreak in Mississippi http://www.cdc.gov/washington/~cdcatWork/pdf/pertuss is outbreak.pdf Auteur/Année : CDC, 2007 Nom de la page : Archive: Notes from the Field: Measles Outbreak Among Members of a http://archive.is/nCKU Religious Community — Brooklyn, New York, March–June 2013 http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6236a5.htm Site Internet:

CDC, Morbidity and Mortality Weekly Report (MMWR)

37 Titre du document : Archive: Electronic Support for Public Health–Vaccine https://drive.google.com/open?id=1U ih BuarRJoai4o3otgaZiWiYgeBIH9 Adverse Event Reporting System (ESP:VAERS) https://healthit.ahrq.gov/sites/default/files/docs/publ Η ication/r18hs017045-lazarus-final-report-2011.pdf Auteur/Année: Ross Lazarus, 2011 P. 1

38 Désignation abrégée : Archive: Lazarus 2011 https://drive.google.com/open?id=1Uih BuqrRJoaj4o3otgqZiW iYgeBIH9H

#### P. 2:

To create a generalizable system to facilitate detection and clinician reporting of vaccine adverse events, in order to improve the safety of national vaccination programs.

#### P. 3:

This research project was funded to improve the quality of vaccination programs by improving the quality of physician adverse vaccine event detection and reporting to the national Vaccine Adverse Event Reporting System (VAERS)

39 Désignation abrégée : Archive: Lazarus 2011 https://drive.google.com/open?id=1Uih\_BuqrRJoaj4o3otgqZiW iYgeBIH9H

#### P. 6:

New surveillance methods for drug and vaccine adverse effects are needed. [...] Proactive, spontaneous, automated adverse event reporting imbedded within EHRs and other information systems has the potential to speed the identification of problems with new drugs and more careful quantification of the risks of older drugs.

40 Nom de la page : Archive: http://archive.is/w Electronic Support for Public Health - Vaccine Adverse Event Reporting System (ESP:VAERS) (Massachusetts) ip/BhpIK https://digital.ahrq.gov/ahrq-funded-projects/electronic-support-publichealth-vaccine-adverse-event-reporting-system?nav=summaries

#### Site Internet:

AHRQ Agency for Healthcare Research and Quality

This project served as an extension of the Electronic Support for Public Health (ESP) project, an automated system using electronic medical record (EMR) data to detect and securely report cases of statutory notifiable diseases to a local public health authority.

# 41-50

41	Désignation abrégée : Lazarus 2011	Archive: <a href="https://drive.google.com/open?id=1Uih_BuqrRJoaj4o3otgqZiWiYgeBIH9H">https://drive.google.com/open?id=1Uih_BuqrRJoaj4o3otgqZiWiYgeBIH9H</a>
	P. 3-4	

42	Désignation abrégée :	Archive :
	Lazarus 2011	https://drive.google.com/open?id=1Uih BuqrRJoaj4o3otgqZiW
		<u>iYgeBIH9H</u>

#### P. 3:

Aim 3. Comprehensively evaluate ESP:VAERS performance in a randomized trial, and in comparison to existing VAERS and Vaccine Safety Datalink data.

The draft was then widely circulated as an initial / working draft for comment by relevant staff in the CDC and among our clinical colleagues at Atrius. In addition to review by the internal CDC Brighton Collaboration liaison, this protocol has also received review & comment via the CDC's Clinical Immunization Safety Assessment (CISA) Network.

43 Désignation abrégée :

Archive:

Lazarus 2011

https://drive.google.com/open?id=1Uih\_BuqrRJoaj4o3otgqZiW

iYgeBIH9H

#### P. 6:

Unfortunately, there was never an opportunity to perform system performance assessments because the necessary CDC contacts were no longer available and the CDC consultants responsible for receiving data were no longer responsive to our multiple requests to proceed with testing and evaluation.

44

Désignation abrégée :

Archive:

Lazarus 2011

https://drive.google.com/open?id=1Uih BuqrRJoaj4o3otgqZiW

iYgeBIH9H

#### P. 5:

The goal of Aim 3 was to comprehensively evaluate ESP:VAERS performance in a randomized trial, and in comparison to existing VAERS and Vaccine Safety Datalink data. We had initially planned to evaluate the system by comparing adverse event findings to those in the Vaccine Safety Datalink project—a collaborative effort between CDC's Immunization Safety Office and eight large managed care organizations. Through a randomized trial, we would also test the hypothesis that the combination of secure, computer-assisted, clinician-approved, adverse event detection, and automated electronic reporting will substantially increase the number, completeness, validity, and timeliness of physician-approved case reports to VAERS compared to the existing spontaneous reporting system; however, due to restructuring at CDC and consequent delays in terms of decision making, it became impossible to move forward with discussions regarding the evaluation of ESP:VAERS performance in a randomized trial, and compare ESP:VAERS performance to existing VAERS and Vaccine Safety Datalink data. Therefore, the components under this particular Aim were not achieved.

45

Désignation abrégée :

Archive:

Lazarus 2011

https://drive.google.com/open?id=1Uih BuqrRJoaj4o3otgqZiW

iYgeBIH9H

#### P. 6:

Preliminary data were collected from June 2006 through October 2009 on 715,000 patients, and 1.4 million doses (of 45 different vaccines) were given to 376,452 individuals. Of these doses, 35,570 possible reactions (2.6 percent of vaccinations) were identified. This is an average of 890 possible events, an average of 1.3 events per clinician, per month. These data were presented at the 2009 AMIA conference.

46

Nom de la page :

Archive:

Guide to Interpreting VAERS Data

https://web.archive.org/web/20180209232915/ https://vaers.hhs.gov/data/dataguide.html

Site Internet:

VAERS website

https://vaers.hhs.gov/data/dataguide.html

On the other hand, more serious and unexpected medical events are probably more likely to be reported than minor ones, especially when they occur soon after vaccination, even if they may be coincidental and related to other causes.

47 Titre de l'article : PMID: The Vaccine Safety Datalink: A Model for 21502240 Monitoring Immunization Safety http://pediatrics.aappublications.org/content/127/ Archive: https://drive.google.com/open?id=16Yl Supplement 1/S45 Uk81p9MTRKh7erSEIzhdMIJF5ngM Auteur principal/Année: Revue: James Baggs, 2011 **Pediatrics** 

48 Nom de la page : Archive: Vaccine Safety Datalink http://archive.is/TKFoj Site Internet: HCSRN website http://www.hcsrn.org/en/Collaboration/Consortia/vsd.html PI: Frank DeStefano, MD of the CDC Immunization Safety Office Funding agency: Centers for Disease Control and Prevention (CDC)

49 Nom de la page : Archive: Vaccine Safety Datalink (VSD) http://archive.is/KtqCB Site Internet: CDC website https://www.cdc.gov/vaccinesafety/ensuringsafety/monitoring/vsd/data-sharing-

#### 50 Titre du document :

Vaccine Safety Research, Data Access, and Public Trust

https://www.nap.edu/catalog/11234/vaccine-safety-research-data-access-and-public-trust

# Auteur/Année:

**IOM 2005** 

#### P. 96:

One of the key goals of the Vaccine Safety Datalink (VSD) data sharing program should be maintenance of public trust in the use of the VSD to draw scientific conclusions about vaccine safety. Because of the contentious nature of some of the issues surrounding the VSD and the strained relationship between the Centers for Disease Control and Prevention (CDC) and some people who have been critical of CDC's vaccine safety activities, the committee recognizes that there may be public concerns about the role of CDC in reviewing proposals to use VSD data and in setting the VSD research agenda. A perception of bias in the VSD proposal-review process and in the priorities established for the VSD research plan could jeopardize public confidence in VSD activities. There are legitimate reasons for public concern about the independence and fairness of the review of VSD data sharing proposals and of determinations about when and how to release preliminary findings of VSD analyses. The lack of transparency of some of those processes affects the trust relationship between the National Immunization Program (NIP) and some members of the general public.

#### P. 97-98:

The limitations of the VSD data sharing program and the limited ability of independent external researchers to conduct high-quality corroboration studies or studies of new hypotheses create a special need to involve the public in the priority-setting process for the VSD research plan. Only NIPaffiliated or MCO-affiliated researchers have access to VSD data for events before and after January 1, 2001, for corroboration studies and studies of new hypotheses, so independent external researchers may not be able to conduct studies that members of the public consider to have high priority. [...]

In view of the limited ability of independent researchers to conduct high-quality VSD studies of new hypotheses and the limited ability of the public to provide input on which VSD studies should be

#### 39 | Chapter 3: Defective by Design - Vaccine Adverse Event Reporting Systems

pursued with federal tax dollars, there needs to be greater opportunity for input into the setting of priorities in the VSD research plan and greater transparency of the priority-setting process.

# Chapitre 4 : Épidémiologie 101

# 1-20

1	Titre de l'article : The history of the discovery of the cigaretteelung cancer link: evidentiary traditions, corporate denial, global toll <a href="https://tobaccocontrol.bmj.com/content/tobaccocontrol/21/2/87.full.pdf">https://tobaccocontrol.bmj.com/content/tobaccocontrol/21/2/87.full.pdf</a>		PMID: 22345227
			Archive:  https://drive.google.com/open?id=1YA WDfVhDNWb1O- SiwIRQDk9lF1jC7IUw
	Auteur principal/Année :	Revue :	
	Robert N Proctor, 2012	Tobacco Contro	1
	P. 1:		
	Lung cancer was still a very rare disease; so rare, in confronted with a case sometimes told their student		

2	Research on Smoking and Lung Cancer: A Landmark in the History of Chronic Disease Epidemiology <a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2:89239/pdf/yjbm00061-0033.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2:89239/pdf/yjbm00061-0033.pdf</a> Auteur principal/Année:  Revue:		PMID: 2192501  Archive: https://drive.google.com/open?id=1BW QHwQt9syfRTHCefTfRF1f6QblhOLk b
			al of Biology and Medicine
	P. 3	<u> </u>	

3	Désignation abrégée : White 1990	Archive: <a href="https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR">https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR</a>
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The Department of Agriculture has made estimates of the average annual consumption of tobacco products in the United States among persons aged 15 years and over, from 1900 to 1960. During this period the number of cigarettes marketed, per person, increased by a factor of about 80, from 50 to 3,900; the sale of pipe tobacco decreased from 1.6 to .6 pounds, and the number of cigars fell from 110 to 60, per person.

4	Désignation abrégée : White 1990	Archive: <a href="https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR">https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR</a>
		F1f6QblhOLkb

#### P. 2:

Speculation about these factors continued, but there was also much criticism of the view that the reported increase in lung cancer was credible. These criticisms led to debate throughout the forties and early fifties. An editorial in the British Medical Journal in 1942 stated "It is doubtful whether the higher incidence of cancer of the lung observed in recent years is real or only apparent". Factors which were listed as likely to be responsible for an artificial increase were better diagnosis of the disease and increased longevity of the population.

# Désignation abrégée : Archive : https://drive.google.co

https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR F1f6QblhOLkb

#### P. 4-5:

Doll has noted that it had been known long before 1950 that smoking could cause disease, but it was "not until 1950 that a large amount of data was obtained in a sufficiently representative and responsible way to lead more than a handful of people to believe that smoking might actually be responsible for causing a material amount of disease" [28]. The two case-control studies in 1950 that were not only large but also well conducted were by Wynder and Graham in the United States [29] and by Doll and Hill in England.

Désignation abrégée : White 1990	Archive: <a href="https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR">https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR</a>
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7	Désignation abrégée : White 1990	Archive: <a href="https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR">https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR</a>
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8	Désignation abrégée : White 1990	Archive: <a href="https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR">https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR</a>
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9	Désignation abrégée : Proctor 2012	Archive: <a href="https://drive.google.com/open?id=1YAWDfVhDNWb10-SiwIRQDk9lF1jC7IUw">https://drive.google.com/open?id=1YAWDfVhDNWb10-SiwIRQDk9lF1jC7IUw</a>
	P. 2	

# 10 Désignation abrégée : Archive : White 1990 Archive : https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfR F1f6QblhQLkb

#### P. 10:

In 1958, by which time there was substantial epidemiologic evidence on smoking as a risk factor for lung cancer, the British Medical Journal commented as follows on this evidence: "The fact that experimental work has not provided complete and irrefutable proof has tended to hinder its wholehearted acceptance". A representative of the tobacco industry described this objection more forcefully, by stating that the search for chemical carcinogens in tobacco "has now been continued so long in the hands of so many able investigators and with such meager results that many scientists no longer believe it likely that tobacco smoke exerts any significant effect as a direct or specific carcinogen for human tissues". In 1962, Lancet summarized the results of the chemical analysis of tobacco products by noting "no carcinogen has been found in adequate concentration in tobacco smoke; no genuine lung cancers have been produced experimentally".

11	Désignation abrégée :	Archive :
	Proctor 2012	https://drive.google.com/open?id=1YAWDfVhDNWb1O-
		SiwIRQDk9lF1jC7IUw

#### P. 2

Tobacco industry laboratories conducted their own investigations: Brown and Williamson researchers identified benzpyrene in cigarette smoke in 1952, and by the end of the decade cigarette manufacturers had characterised several dozen carcinogens in cigarette smoke, including arsenic, chromium, nickel and a veritable zoo of polycyclic aromatic hydrocarbons (chrysene, methylcholanthrene, dibenzanthracene, dibenzacridene, etc). As Philip Morris

research director Helmut Wakeham put it in 1961, carcinogens were found in 'practically every class of compounds in cigarette smoke'.

12 Désignation abrégée :

Archive:

White 1990

https://drive.google.com/open?id=1BWQHwQt9syfRTHCefTfRF1f6QblhOLkb

DΩ

The Surgeon General of the United States took a similar position: "The weight of the evidence is increasingly pointed in one direction: that excess smoking is one of the causative factors in lung cancer".

13 Nom de la page :

Archive :

Statistical Language - Correlation and Causation

http://archive.is/fZLZR

Site Internet:

Australian Bureau of Statistics

http://www.abs.gov.au/websitedbs/a3121120.nsf/home/statistical+language+-

+correlation+and+causation

Correlation is a statistical measure (expressed as a number) that describes the size and direction of a relationship between two or more variables. A correlation between variables, however, does not automatically mean that the change in one variable is the cause of the change in the values of the other variable.

Causation indicates that one event is the result of the occurrence of the other event; i.e. there is a causal relationship between the two events. This is also referred to as cause and effect.

14

Nom de la page :

Archive:

Emphysema

http://archive.is/WKTsi

Site Internet:

emedicinehealth

http://www.emedicinehealth.com/emphysema/article\_em.htm http://www.emedicinehealth.com/emphysema/page2\_em.htm

The importance of cigarette smoking as a risk factor for developing emphysema cannot be overemphasized. Cigarette smoke contributes to this disease process in two ways. It destroys lung tissue, which results in the obstruction of air flow, and it causes inflammation and irritation of airways that can add to air flow obstruction.

15

Nom de la page :

Archive:

Epidemiology

http://archive.is/QP9g

Site Internet:

EXTOXNET

**Extension Toxicology Network** 

http://pmep.cce.cornell.edu/profiles/extoxnet/TIB/epidemiology.html

Epidemiological studies can never prove causation; that is, it cannot prove that a specific risk factor actually causes the disease being studied. Epidemiological evidence can only show that this risk factor is associated (correlated) with a higher incidence of disease in the population exposed to that risk factor. The higher the correlation the more certain the association, but it cannot prove the causation

#### 16 Titre du livre : **CAUSALITY**

Maison d'édition: Oxford University Press

Auteur principal/Année :

Phyllis İllari, 2014

P. 32:

Rothman (1976) makes the point that in health situations what we call 'causes' are in fact components of sufficient causes, and are not sufficient in themselves. For instance, the measles virus is said to be the cause of measles, but in fact the 'complete sufficient cause' of measles also includes lack of immunity to the virus and exposure to the virus.

Rothman illustrates his ideas by means of 'causal pies'—see Figure 4.1—still used in epidemiology now. He thinks that a sufficient cause of a disease is generally not one single causal factor, but a complete 'causal mechanism'. Rothman takes a causal mechanism to be a minimal set of conditions and events that are sufficient for the disease to occur. In this perspective, no specific event condition or characteristic is sufficient, by itself, to produce the disease. So the definition of 'cause' does not describe a complete causal mechanism, but only a component of it.

#### 17

Nom de la page :

Research on Back Sleeping and SIDS

Archive:

http://archive.is/rZIPH

Site Internet:

NIH - Safe to Sleep

https://www1.nichd.nih.gov/sts/campaign/science/Pages/backsleeping.aspx

The single most effective action that parents and caregivers can take to lower a baby's risk of SIDS is to place the baby to sleep on his or her back for naps and at night.

Compared with back sleeping, stomach sleeping carries between 1.7 and 12.9 times the risk of SIDS. The mechanisms by which stomach sleeping might lead to SIDS are not entirely known. Studies suggest that stomach sleeping may increase SIDS risk through a variety of mechanisms, including:

Increasing the probability that the baby re-breathes his or her own exhaled breath, leading to carbon dioxide buildup and low oxygen levels; Causing upper airway obstruction; Interfering with body heat dissipation, leading to overheating.

Whatever the mechanism, evidence from numerous countries—including New Zealand, Sweden, and the United States—suggests that placing babies on their backs to sleep results in a substantial decline in the SIDS rate compared to placing babies on their stomachs to sleep.

#### 18

Nom de la page : Prospective study

Archive:

http://archive.is/zKOgQ

Site Internet:

The Free Dictionary

Prospective study an epidemiologic study in which the groups of individuals (cohorts) are selected on the bases of factors that are to be examined for possible effects on some outcome

For example, the effect of exposure to a specific risk factor on the eventual development of a particular disease can be studied. The cohorts are then followed over a period of time to determine the incidence rates of the outcomes being studied as they relate to the original fact ors in question.

The term prospective usually implies a cohort selected in the present and followed into the future...

### 19 ∣ №

Nom de la page : Retrospective study Archive:

http://archive.is/tLNNW

Site Internet:

The Free Dictionary

https://medical-dictionary.thefreedictionary.com/retrospective+study

Retrospective study:

a study in which a search is made for a relationship between one (usually current) phenomen on or condition and another that occurred in the past. An example is a study of the family histories of young women diagnosed as having clear cell adenomas of the vagina, which yielded a relationship between the administration of diethy lstilbestrol to the mothers of the women during pregnancy and the development of the condition in the daughters.

20

Nom de la page :

Types of Epidemiological Studies

Archive:

http://archive.is/3Yd7R

Site Internet:

New Health Advisor

http://www.newhealthadvisor.com/Types-of-Epidemiological-Studies.html

# 21-29

#### 21 Titre du document :

Reference Manual on Scientific Evidence

https://www.nap.edu/read/13163/chapter/12#583

Auteur principal/Année:

Federal Judicial Center

National Research Council, 2011

#### P. 583:

The second major reason for an invalid outcome in epidemiologic studies is systematic error or bias. Bias may arise in the design or conduct of a study, data collection, or data analysis. The meaning of scientific bias differs from conventional (and legal) usage, in which bias refers to a partisan point of view. When scientists use the term bias, they refer to anything that results in a systematic (nonrandom) error in a study result and thereby compromises its validity. Two important categories of bias are selection bias (inappropriate methodology for selection of study subjects) and information bias (a flaw in measuring exposure or disease in the study groups).

22

Titre de l'article :

PMID:

11489747

Alcohol Consumption and Lung Cancer http://cebp.aacrjournals.org/content/10/8/813.full

Auteur principal/Année : Revue :

Cancer Epidemiology Biomarkers and prevention

23

Nom de la page :

Elisa V. Bandera, 2001

Archive :

Oxford Textbook of Global Public Health

http://archive.is/bnzxf

Site Internet:

Oxford Medicine Online

http://oxfordmedicine.com/view/10.1093/med/9780199661756.001.0001/med-9780199661756-chapter-103

The 'art' of epidemiology is knowing when and how to apply the various epidemiological strategies creatively to answer specific health questions.

24 Titre de l'article : PMID: Identifying and Avoiding Bias in Research 20679844 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2 Archive: 917255/ Auteur principal/Année: Revue: Christopher J. Pannucci, 2010 Plastic and Reconstructive Surgery

25 Titre du document :

Adverse Effects of Vaccines: Evidence and Causality http://nationalacademies.org/hmd/reports/2011/adverse -effects-of-vaccines-evidence-and-causality.aspx

Pour une explication générale des biais de recherche.

Archive:

https://drive.google.com/open?id= 1nl18cdV y3TtQBzoCq0tSiuYm HF1 vYQ

Auteur/Année :

IOM, 2011

P. 17 (46):

Epidemiologic analyses also cannot identify with certainty which individual in a population at risk will develop a given condition.

26 Désignation abrégée :

Archive:

IOM 2011

https://drive.google.com/open?id=1nl18cdV\_y3TtQBzoCq0tSiu

YmHF1 vYO

P. 50 (79):

Mechanistic evidence, particularly that emerging from case reports, occasionally can provide compelling evidence of an association between exposure to a vaccine and an adverse reaction in the individual being studied, but it provides no meaningful information about the degree of risk to the population or even to other individuals who have the same predisposing characteristics.

27 Désignation abrégée : IOM 2011

Archive:

https://drive.google.com/open?id=1nl18cdV y3TtQBzoCq0tSiu

YmHF1 vYO

P. 50 (79):

Epidemiologic analyses are usually unable to detect an increased or decreased risk that is small, unless the study population is very large or the difference between the groups (e.g., vaccinated vs. unvaccinated) at risk is very high... These studies also can fail to detect risks that affect a small subset of the population.

28

Désignation abrégée :

Archive:

IOM 2011

https://drive.google.com/open?id=1nl18cdV y3TtQBzoCq0tSiu

YmHF1 yYQ

P. 49 (78):

Epidemiologic evidence, by contrast, can support ("favors acceptance of") a causal association or can support the absence of ("favors rejection of") a causal association in the general population and in various subgroups that can be identified and investigated, unless or until supportive mechanistic evidence is discovered or a rare, susceptible subgroup can be identified and investigated.

29

Désignation abrégée :

Archive:

IOM 2011

https://drive.google.com/open?id=1nl18cdV y3TtQBzoCq0tSiu YmHF1 yYQ

P. 49 (78):

Even in the presence of a convincing protective effect of vaccine in epidemiology, studies may not rule out the possibility that the reaction is caused by vaccine in a subset of individuals.

# Chapitre 5 : La science biaisée à dessein : Épidémiologie et sécurité des vaccins

## 1-20

Titre du document : 1 DPT Vaccine Roulette 1982 https://www.youtube.com/watch?v=qpUsg4bDH5w https://www.youtube.com/watch?v=VtOh6vFnWg4

2 PMID: Titre de l'article : 12922137 The pertussis vaccine controversy in Great Britain, 1974-Archive: https://online.manchester.ac.uk/bbcswebdav/orgs/I3075-COMMUNITY-MEDN-1/DO%20NOT%20DELETE%20https://drive.google.com/ope %20PEP%20Quality%20and%20Evidence/QE-PEPn?id=1RSZoULsPxrzRj13o7 MIlpzukCYJC-3z6 HTML5/media/F8430185-03E3-C538-8362-DE46812E97BE.pdf Auteur principal/Année : Revue: Jeffrey P. Baker, 2003 Vaccine P. 1-2

3 Titre de l'article : PMID: Mercury, Vaccines, and Autism 18172138 One Controversy, Three Histories https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2 Archive: https://drive.google.com/open?id=1ut2 376879/pdf/0980244.pdf gq2Ph7rf7z4pm-C2T8shDuxQDqiBY Auteur principal/Année : Revue: Jeffrey P. Baker, 2008 American Journal of Public Health "Autism and its Histories" chapter.

4 Archive: Désignation abrégée : Baker 2008 https://drive.google.com/open?id=1ut2gq2Ph7rf7z4pm-C2T8shDuxQDqiBY

#### P. 7:

The events that would bring these three histories together began in 1997, when New Jersey Representative Frank Pallone, representing a district concerned about environmental mercury poisoning, appended a rider to the FDA Modernization Act of that year to assess all of the agency's products for mercury content. In response, the Center for Biologics Evaluation and Research (CBER) at the FDA initiated a formal risk assessment of thimerosal in vaccines beginning in April 1998.

[...]

Although acknowledging the many uncertainties involved, the FDA responded by inviting vaccine advisory bodies for consultation in June 1999. There followed a rapid series of meetings and conference calls involving representatives of the American Academy of Pediatrics and the Centers for Disease Control and Prevention (CDC), culminating in a joint statement released on July 9, 1999. Although noting that there was no evidence that the use of thimerosal as a vaccine preservative had caused any true harm, the groups agreed that "thimerosal-containing vaccines should be removed as soon as possible" given the concerns raised by the Environmental Protection Agency's guidelines.

Désignation abrégée : Baker 2008

Archive:

https://drive.google.com/open?id=1ut2gq2Ph7rf7z4pm-

C2T8shDuxQDqiBY

P. 7:

Meanwhile, the third of the historical streams, represented by parents within the "alternative" autism community, rapidly entered the debate. As detailed by journalist David Kirby, it was in fact a group of parents of autistic children (rather than parental organizations critical of vaccination such as the National Vaccine Information Center) who first seized upon thimerosal as an explanation for the autism epidemic.

6 Désignation abrégée : Archive:

Baker 2008

https://drive.google.com/open?id=1ut2gq2Ph7rf7z4pm-

C2T8shDuxQDqiBY

P. 7-8:

Parents organized effectively in the political realm as well. The self-designated "Mercury Moms" created an advocacy organization, Safe Minds. They were instrumental in persuading Congressman Burton to shift his focus from measles-mumps-rubella to thimerosal in his congressional hearings. And they organized successfully to oppose a rider to the Homeland Security Bill in 2003 that would protect thimerosal's manufacturer from legal action.

7 Nom de la page :

Archive:

No vaccine for the scaremongers

http://archive.is/BAwsA

Site Internet:

Bulletin of the World Health Organization

http://www.who.int/bulletin/volumes/86/6/08-030608/en/

Despite these successes, vaccine anxieties continue to periodically impede this highly effective public health measure. In certain industrialized countries, most notably the USA, public concern has shifted its focus from the diseases vaccination can prevent, to the risks of the vaccines themselves. The Internet has become a significant channel for anti-vaccination views. The popular video-sharing web site YouTube offers a plethora of anti-vaccination clips. The Internet has also become a forum for alternative medicine practitioners to present their anti-vaccination ideas and promote alternative products.

Titre de l'article :

PMID:

Anti-Vaccination Movement and Parental Refusals of Immunization of Children in USA https://ac.els-cdn.com/S0031393912000042/1s2.0-S0031393912000042-

Archive:

main.pdf? tid=5c8518f3-e7ca-4c27-9453-70eb7f0defdf&acdnat=1537379447 77722dce80

https://drive.google.com/open?id=1zK ynoN4jsw 8X1RcstnPtUK4xOw-

b2060107f2ee77ed7af03d

6Wwr

Auteur principal/Année :

Revue: Pediatria Polska

Marian Ołpinski, 2012

P. 4:

The most influential medium for parents beliefs about immunizations seems to be Internet. Approximately 74% of Americans have Internet access. In 2006, 16% of users searched online for information on immunizations or vaccinations. Over half (52%) of users believe "almost all" or "most" information on health sites are credible, yet the availability of inaccurate and deceptive information online has labeled the Internet a "modern Pandora's box".

8 Titre de l'article : PMID: Vanishing Vaccinations: Why Are So Many Americans 15568260 Opting Out of Vaccinating Their Children?

Auteur principal/Année: Revue:

Steve P. Calandrillo, 2004 University of Michigan Journal of Law Reform

#### Extrait de l'abstract :

The internet worsens fears regarding vaccination safety, as at least a dozen websites publish alarming information about the risks of vaccines. Increasing numbers of parents are refusing immunizations for their children and seeking legally sanctioned exemptions instead, apparently fearing vaccines more than the underlying diseases that they protect against. A variety of factors are at play: religious and philosophical beliefs, freedom and individualism, misinformation about risk, and overperception of risk. State legislatures and health departments now face a difficult challenge: respecting individual rights and freedoms while also safeguarding the public welfare.

9	Titre de l'article : The Psychology of Anti-Vaxers: How Story Trumps Science	Date: 19 octobre 2014	
	Site Internet :	Archive :	
	The Atlantic	hhttp://archive.is/uOhEJ	
	http://www.theatlantic.com/health/archive/2014/10/how-anti-		
	vaccine-fear-takes-hold/381355/		

#### Par exemple:

Jacklyn Smoot, a 26 year-old new mother from Orange, California, feels torn. Her son's pediatrician and the Centers for Disease Control and Prevention assure her that vaccines are safe and effective. Smoot hears personal stories from vaccine skeptics like her mother, some friends, and Internet bloggers, however, who warn that vaccines can cause injury or death. She wonders who is right.

Smoot's struggle began when she got a flu shot in December 2012. Her mother's reaction surprised her. "She said, 'What? But you're pregnant!' She scared me," Smoot says. "I found myself online for three hours trying to figure out if it was a good idea that I had gotten the flu shot while I was pregnant."

Then she got on the Internet.

Smoot downloaded the recommended immunization schedule from the CDC website. She looked up each vaccine on the schedule. Although she says she tried to look at a variety of trustworthy websites, she can only remember reading any information supporting vaccination on the CDC website. Smoot, however, says she does not trust doctors and scientists. "I know they're just going to tell me they're safe, and they're recommended, and this is what you're supposed to do," she says.

Dr. Neal Halsey is a professor at the Johns Hopkins Bloomberg School of Public Health and the School of Medicine. He runs the Institute for Vaccine Safety, providing independent assessment of and education on vaccine safety. "The vaccines we have available that are recommended for routine use in children are very safe vaccines," he says.

Dr. Diane Griffin, a virologist and chair of the molecular biology and immunology department at Johns Hopkins, agrees. "Oh, yes, vaccines are very safe," she says. According to the CDC, vaccines in the United States are the most safe and effective immunizations in history. The CDC's website says severe reactions to vaccines "occur so rarely that the risk is difficult to calculate."

"I probably find more information that says vaccines aren't safe," she says. "I think it's only because ..." She pauses. "Well, I don't really know. It could be maybe what I'm paying attention to more."

#### Titre du document :

Talking with Parents about Vaccines for Infants

https://www.cdc.gov/vaccines/hcp/patient-ed/conversations/downloads/talk-infants-coloroffice.pdf

Auteur/Année :	Archive :
CDC, 2012	https://drive.google.com/open?id=1CmLPr0
020,2012	40TWioZcFMuyqifdm9GT9rsctH

# Titre du document : Addressing Common Concerns of Vaccine-Hesitant Parents <a href="https://www.aap.org/en-us/Documents/immunization\_vaccine-hesitant%20parent\_final.pdf">https://www.aap.org/en-us/Documents/immunization\_vaccine-hesitant%20parent\_final.pdf</a> Archive : Archive : American Academy of Pediatrics, 2013 Le document contient des exemples de « préoccupations parentales » et des études qui y répondent.

11	Titre de l'article : After \$1 billion, experts see progress on autism's causes	Date: 4 septembre 2012
	Site Internet : USA TODAY	Archive: http://archive.is/ixi6Z
	http://usatoday30.usatoday.com/news/health/story/2012-04- 09/researchers-autism-causes/54129282/1	

More than \$1 billion has been spent over the past decade searching for the causes of autism. In some ways, the research looks like a long-running fishing expedition, with a focus on everything from genetics to the age of the father, the weight of the mother, and how close a child lives to a freeway.[...] The lion's share of money for finding a cause has been spent on genetics. [...]

But even genetics enthusiasts acknowledge that genes are only part of the answer. Studies of identical twins have shown that autism can occur in one and not the other, meaning something outside a child's DNA is triggering the disorder in many cases. Some cases may be entirely due to other causes, Dawson said.

That broad "other" category means "environmental" influences — not necessarily chemicals, but a grab bag of outside factors that include things like the age of the father at conception and illnesses and medications the mother had while pregnant.

12	Titre de l'article : Vaccination Patterns in Children After Autism Spectrum Disorder Diagnosis and in TheirYounger Siblings <a href="https://relaped.com/wp-content/uploads/2018/03/3-1.pdf">https://relaped.com/wp-content/uploads/2018/03/3-1.pdf</a>				PMID: 29582071	
	Auteur principal/Année : Revue : Ousseny Zerbo, 2018 JAMA Pediatrics					
P. 2: The etiology of ASD is unknown for the vast majority of cases; however, study find suggest that both genetic and environmental factors have a role.			study findings			
Nom de la page : Archive : Causes-Autism spectrum disorder (ASD) http://archive.is				Archive : <a href="http://archive.is/7le">http://archive.is/7le</a>	7 <u>kOxv</u>	
	Site Internet: NHS website http://www.nhs.uk/Conditions/Autistic-spectrum-disorder/Pages/Causes.aspx					
	them more vulnerable to developing families. For example, younger sill condition, and it's common for idealinked to ASD have been identified	s believe that certain genes a child inherits from their parents could make erable to developing ASD. Cases of ASD have been known to run in ample, younger siblings of children with ASD can also develop the t's common for identical twins to both develop ASD. No specific genes have been identified, but it may be a presenting feature of some rare genetic uding Fragile X syndrome, Williams syndrome and Angelman syndrome.		wn to run in evelop the specific genes some rare genetic		
	Titre de l'article : Autism's Tangled Genetics Full of Rare and Varied Mutations  Date : 8 juin 2011					

Site Internet: Archive:

Scientific American http://archive.is/jftAe

Large genetic studies have ruled out the idea that the malfunction of a universal gene or set of genes causes autism. And the new papers, which assessed the genomes of about 1,000 families that had only one autistic child, revealed that the genetic mutations that are likely responsible for the disorder are exceedingly rare—sometimes almost unique to an individual patient. Even some of the most common point of mutations were found in only about 1 percent of autistic children.

Titre de l'article : PMID: Autism spectrum disorders—A genetics 21358411

Archive: http://www.nature.com/gim/journal/v13/n4/f

ull/gim9201151a.html

Auteur principal/Année: Judith H Miles, 2011

https://drive.google.com/open?id=1pK0vm5 TYvqNPFuIl FgCyOFbKpQi4dM7

Revue:

Genetics in Medicine

Although it was initially assumed that major genome-wide and candidate gene association studies would lead most directly to common autism genes, progress has been slow. Rather, most discoveries have come from studies of known genetic disorders associated with the behavioral phenotype.

13 Titre de l'article : Date: Vaccine case draws new attention to autism debate 7 mars 2008 Site Internet: Archive: CNN http://archive.is/qGAsI http://edition.cnn.com/2008/HEALTH/conditions/03/06/vacci nes.autism/index.html

Numerous studies have shown no link between illness and the vaccines, public health officials have long contended.

14 Titre de l'article :

> Placebo use in vaccine trials: Recommendations of a WHO expert panel

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4 157320/

PMID: 24768580

Archive:

https://drive.google.com/open?id=1mX 3RrTo-Jq6eEC-H\_S1blqjDVfXYosUv

Auteur principal/Année: Revue: Annette Rid, 2014 Vaccine

Randomised, placebo-controlled trials are widely considered the gold standard for evaluating the safety and efficacy of a new vaccine.

15 Pages dédiées à Marie Curie, Alexander Fleming et Louis Pasteur :

> http://lib.cet.ac.il/pages/item.asp?item=7936 Archive:http://archive.is/Uiya1 http://lib.cet.ac.il/pages/item.asp?item=7935 Archive:http://archive.is/xNcNK http://lib.cet.ac.il/pages/item.asp?item=7931 Archive:http://archive.is/2DQgz

16 Titre du document :

Responsible Science, Volume I

https://www.nap.edu/catalog/1864/responsible-science-volume-i-ensuring-the-integrity-of- theresearch

Archive: Auteur/Année : https://drive.google.com/open?id=1782CN NAS, 1992 gkLfXgxmkd3NtBi0diDm8PJiBb5

#### P. 36:

Until the past decade, scientists, research institutions, and government agencies relied solely on a system of self-regulation based on shared ethical principles and generally accepted research practices to ensure integrity in the research process. Among the very basic principles that guide scientists, as well as many other scholars, are those expressed as respect for the integrity of knowledge, collegiality, honesty, objectivity, and openness. These principles are at work in the fundamental elements of the scientific method, such as formulating a hypothesis, designing an experiment to test the hypothesis, and collecting and interpreting data. In addition, more particular principles characteristic of specific scientific disciplines influence the methods of observation; the acquisition, storage, management, and sharing of data; the communication of scientific knowledge and information; and the training of younger scientists. How these principles are applied varies considerably among the several scientific disciplines, different research organizations, and individual investigators.

17 Titre du document :

Responsible Science, Volume I

https://www.nap.edu/catalog/1864/responsible-science-volume-i-ensuring-the-integrity-ofthe-research

Archive: Auteur/Année :

https://drive.google.com/open?id=1782CNg NAS, 1992 kLfXgxmkd3NtBj0diDm8PJjBb5

P. 95:

Regardless of the incidence, the panel emphasizes that even infrequent cases of misconduct in science are serious matters. The number of confirmed incidents of misconduct in science, together with the possibility of underreporting and the results presented in some preliminary studies, indicate that misconduct in science is a problem that cannot be ignored. The consequences of even infrequent cases of misconduct in science require that attention be given to appropriate methods of treatment and prevention.

18	Titre de l'article : The 7 biggest problems facing science, according to 270 scientists	Date: 7 septembre 2016
	Site Internet: VOX http://www.vox.com/2016/7/14/12016710/science-challeges-research-funding-peer-review-process	Archive : http://archive.is/FvXSC

Archive: 19 Nom de la page : http://archive.is/QP9Wz Budget Site Internet: NIH website https://www.nih.gov/about-nih/what-we-do/budget

20 Nom de la page : Archive: Government Funding of Scientific Research http://archive.is/xYL6g Site Internet:

NSF website

https://www.nsf.gov/nsb/documents/1997/nsb97186/nsb97186.htm#federal

Within the Federal budget, there should be an overall strategy for research, with areas of increased and areas of decreased emphasis... To ensure the most effective use of Federal discretionary funding it is essential that agreement be reached on which fields and which investment strategies hold the greatest promise for new knowledge that will contribute most effectively to better health, greater equity and social justice, improved living standards, a sustainable environment, a secure national defense, and to extending our understanding of nature. Un scientifique de Yale confesse les « biais de Date:

financement » qu'il a commis dans certaines de ses études, financées à la fois par des entreprises privées et des agences gouvernementales, et explique le système de pression sous lequel fonctionnent les organismes gouvernementaux qui financent la recherche.

13 juin 2014

Titre de l'article :

Research Funding: When Is the Money Dirty?

Site Internet: **Huffington Post** 

https://www.huffingtonpost.com/david-katz-md/researchfunding-when-is-\_b\_5493613.html

Archive:

http://archive.is/Mz2fY

All research starts with biased funders and researchers — because in the absence of such bias, it would be research no one would bother doing. I don't think anyone runs studies in the absence of hopes and preferences pertaining to the outcomes.

So, too, do all funders. While the NIH does not generally manufacture and sell the interventions it studies, it certainly does care about the outcomes. NIH, too, must justify its existence, and budget — just not to shareholders. NIH and all federal agencies are accountable to Congress, and by extension to us, in our tax-paying multitudes. NIH competes in the federal budget with other societal priorities (and, no doubt, pork-barrel boondoggles); and perhaps more intensely, the various institutes compete with one another for slices of the common pie. Too many negative study results tend to suggest that an institute is not spending money all that well and wisely — and affect the outcome of that competition. Even NIH program officers are biased about study outcomes.

# 21-40

21	Titre de l'article : Follow the Funding	Date: 1er mai 2015
	Site Internet :	Archive :
	The Scientist	http://archive.is/Wpcec
	http://www.the-	
	scientist.com/?articles.view/articleNo/42799/title/Follow-the-	
	Funding/	

A few years ago, David Sinclair's lab was slipping through his fingers. With grant money running dry and the outlook for overall federal research budgets bleak, the Harvard geneticist was losing lab members because he couldn't support them with funding from the National Institutes of Health (NIH), as he had done in years past. Sinclair says his 18person-strong group dwindled to just four or five people. "And that was painful," he recalls. "I had to let people go for lack of money."

And Sinclair says he's not alone. "Even at a place like Harvard, I know [other] labs that have downsized dramatically and even closed down," he says. "So it's hit across the board." 22 Quelques articles de la littérature scientifique démontrant l'importance capitale de soumettre un projet de recherche.

http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0133061#pone.0133061.ref

012

Archive: http://archive.is/B5y7y

http://www.bmj.com/content/317/7173/1647

Archive: <a href="http://archive.is/ao0fc">http://archive.is/ao0fc</a>

http://www.apa.org/gradpsych/2016/01/research-funding.aspx

Archive: http://archive.is/R4iUH

23 Le Dr Boyd Hally explique comment le NIH a cessé de financer ses recherches sur la maladie d'Alzheimer lorsqu'il a voulu étudier l'exposition au mercure comme cause possible.

https://www.youtube.com/watch?v=8AQxkIcXrt0

24 Nom de la page : Archive:

> What are the Chances of Getting Funded? http://archive.is/wiTtL

Site Internet: NIH website

https://nexus.od.nih.gov/all/2015/06/29/what-are-the-chances-of-getting-funded/

D'après les données du NIH, seuls 20 à 30 % des chercheurs candidats se voient accorder un financement pour leurs projets de recherche.

25 Titre du document :

Financing Vaccines in the 21st Century: Assuring Access and Availability

https://www.nap.edu/catalog/10782/financing-vaccines-in-the-21st-century-assuring-accessand-availability

Archive: Auteur/Année :

https://drive.google.com/open?id=15 AilgxcXk IOM, 2004 feOJaNbCgScTr2MbeuMTuD

P. 196:

The major contributors to vaccine research in the United States are companies conducting industrial research, government agencies (the National Institutes of Health [NIH] and the Department of Defense [DoD]), and the academic institutions they fund.

Titre de l'article : PMID: United States vaccine research: a delicate fabric of public and 9411380

private collaboration. National Vaccine Advisory Committee.

Auteur principal/Année: Revue: NVAC 1997

Tableau 2, p. 2:

**Pediatrics** 

Source	Estimated Amount in Millions
Taxpayers NIH	\$ 500 (36%)
Intramural	
Grants to academia	
Other agencies	
Vaccine sales	\$ 650 (46%)
Large companies (15 to 20% sales)	
Risk capital	\$ 250 (18%)
Small companies	
Total	\$1400 (100%)

26 Un exemple parmi tant d'autres : Archive: http://archive.is/pfgvJ Nom de la page : GlaxoSmithKline to Plead Guilty and Pay \$3 Billion to Resolve Fraud Allegations and Failure to Report Safety Data Site Internet: US Department of Justice, Office of Public Affairs https://www.justice.gov/opa/pr/glaxosmithkline-plead-guilty-and-pay-3-billion-resolvefraud-allegations-and-failure-report

27	Titre de l'article : Whistleblower on Medical Research Fraud'Positive Results Are Better for Your Career'	Date: 10 septembre 2015
	Site Internet :	Archive :
	Spiegel Online	http://archive.is/PA2Th
	http://www.spiegel.de/international/zeitgeist/spiegel-	
	<u>interview-with-whistleblower-doctor-peter-wilmshurst-a-</u>	
	1052159.html	

SPIEGEL: How exactly did they offer it to you? They probably didn't say: "Here's a bribe

Wilmshurst: No, of course not! Initially we were talking about the results that I'd obtained: That the drug that I had been testing for them did not work and had dangerous side effects. Then the company representatives asked me to leave some of the patients out of the data analysis. Without these patients, the study result would have been positive. When I said I couldn't do that, they asked me not to publish the data. And to compensate me for the work I had done in vain, they said, they would offer me this amount of money.

28	Titre de l'article : As drug industry's influence over research grows, so does the potential for bias	Date: 24 novembre 2012
	Site Internet :	Archive :
	Washington Post	http://archive.is/eFJxM
	https://www.washingtonpost.com/business/economy/as-drug-	
	industrys-influence-over-research-grows-so-does-the-	
	potential-for-bias/2012/11/24/bb64d596-1264-11e2-be82-	
	<u>c3411b7680a9_story.html</u>	
	When the company is footing the bill, the opportunities for bias	are manifold: Company

the company is footing the bill, the opportunities for bias are manifold: Company executives seeking to promote their drugs can design research that makes their products look better. They can select like-minded academics to perform the work. And they can run the

statistics in ways that make their own drugs look better than they are. If troubling signs about a drug arise, they can steer clear of further exploration.	
Titre de l'article : Many Antidepressant Studies Found Tainted by Pharma Company Influence	Date: 21 octobre 2015
Site Internet: Sceintific American <a href="http://www.scientificamerican.com/article/many-antidepressant-studies-found-tainted-by-pharma-company-influence/">http://www.scientificamerican.com/article/many-antidepressant-studies-found-tainted-by-pharma-company-influence/</a>	Archive: http://archive.is/cxvEV

29 Nom de la page : Archive: Ten Great Public Health Achievements -- United http://archive.is/ZQXW States, 1900-1999 Site Internet: CDC website https://www.cdc.gov/mmwr/preview/mmwrhtml/00056796.htm Ten Great Public Health Achievements -- United States, 1900-1999: Vaccination [...]

30	Titre de l'article : Straight Talk about Vaccination	Date: 1 <sup>er</sup> septembre 2011
	Site Internet: Sceintific American <a href="http://www.scientificamerican.com/article/straight-talk-about-vaccination/">http://www.scientificamerican.com/article/straight-talk-about-vaccination/</a>	Archive: http://archive.is/gFzXa

This sad state of affairs exists because parents have been persistently and insidiously misled by information in the press and on the Internet and because the health care system has not effectively communicated the counterarguments, which are powerful. [...]

The key facts parents need to know, though, are that vaccines prevent potentially fatal diseases, that vaccines have a high degree of safety, and that their safety is constantly evaluated and reevaluated in a system operating independently from the pharmaceutical companies that make vaccines.

Titre de l'article : How Many Scientists Fabricate and Falsify Research? A Systematic Review and Meta- Analysis of Survey Data <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/Pmc2685008/pdf/pone.0005738.pdf">https://www.ncbi.nlm.nih.gov/pmc/articles/Pmc2685008/pdf/pone.0005738.pdf</a>	PMID: 19478950	
	Analysis of Survey Data <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/P">https://www.ncbi.nlm.nih.gov/pmc/articles/P</a>	Archive: https://drive.google.com/open?id=1qOwU Wd9WRgChSUN-jNC8AJjaaT2yuEBR
	Auteur principal/Année : Daniele Fanelli, 2009	Revue : PLOS One

#### P. 1:

A pooled weighted average of 1.97% [...] of scientists admitted to have fabricated, falsified or modified data or results at least once -a serious form of misconduct by any standard- and up to 33.7% admitted other questionable research practices. In surveys asking about the behaviour of colleagues, admission rates were 14.12% [...] for falsification, and up to 72% for other questionable research practices.

Considering that these surveys ask sensitive questions and have other limitations, it appears likely that this is a conservative estimate of the true prevalence of scientific misconduct.

Titre de l'article : A Population-Based Study Of Measles, Mumps, And Rubella Vaccination And Autism <a href="http://www.nejm.org/doi/pdf/10.1056/NEJMoa021134">http://www.nejm.org/doi/pdf/10.1056/NEJMoa021134</a>	PMID: 12421889	
	Mumps, And Rubella Vaccination And Autism http://www.nejm.org/doi/pdf/10.1056/NEJ	Archive: <a href="https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6">https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6</a>
	Auteur principal/Année : Kreesten Meldgaard Madsen , 2002	Revue : NEJM

33 Désignation abrégée : Archive:  $\frac{https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR\_A1gjSSG6}{}$ Madsen 2002 P. 1: This study provides strong evidence against the hypothesis that MMR vaccination causes autism

34	Titre de l'article : Study Finds No Link Between MMR Vaccine and Autism	Date : 7 novembre 2002
	Site Internet : LA Times <a href="http://articles.latimes.com/2002/nov/07/science/sci-autism7">http://articles.latimes.com/2002/nov/07/science/sci-autism7</a>	Archive: http://archive.is/K80dM
	Titre de l'article : Danish Study Finds No Links Between Vaccine and Autism	Date : 6 novembre 2002
	Site Internet : Wall Street Journal http://www.wsj.com/articles/SB103661903159271588	Archive : http://archive.is/bXtrs
	Titre de l'article : The Autism-Vaccine Myth	Date: 5 septembre 2014
	Site Internet: PBS http://www.pbs.org/wgbh/nova/body/autism-vaccine- myth.html The New England Journal of Medicine publishes "A population	Archive: http://archive.is/QNv9e

The New England Journal of Medicine publishes "A population-based study of measles, mumps, and rubella vaccination and autism" by Madsen et al. These authors describe "strong arguments" against the hypothesis that the MMR vaccine causes autism, based on an analysis of data from 537,303 children in Denmark, 82% of whom had received the MMR vaccine.

35	Nom de la page : Vaccines Do Not Cause Autism	Archive: http://archive.is/SCAqJ
	Site Internet : CDC website <a href="http://www.cdc.gov/vaccinesafety/concerns/autism.html">http://www.cdc.gov/vaccinesafety/concerns/autism.html</a>	
	Nom de la page : Archive : Do Vaccines Cause Autism? Archive : <a href="http://archive.is/4VNXR">http://archive.is/4VNXR</a>	
	Site Internet: Johns Hopkins University School of Public Health - Institute for Vaccine Safety <a href="http://www.vaccinesafety.edu/vs-autism.htm">http://www.vaccinesafety.edu/vs-autism.htm</a>	
	Nom de la page : Vaccine Safety: Examine the Evidence	Archive: https://drive.google.com/open?id=111B FNOu118F7xhM8z7zhmohkVYgoJfs

Site Internet: AAP, 2013 https://www.aap.org/en-us/Documents/immunization vaccine studies.pdf Titre du document : Information Sheet Observed Rate Of Vaccine Reactions Measles, Mumps And Rubella Vaccines Archive: Auteur/Année : https://drive.google.com/open?id=12JQo WHO, 2014 DTvzr3qlbq93QChZP8a vhOSn9J5 http://www.who.int/vaccine\_safety/initiative/too ls/MMR vaccine rates information sheet.pdf P. 3, 9

36 Titre du document : Adverse Effects of Vaccines: Evidence and Causality http://nationalacademies.org/hmd/reports/2011/adverse-effects-of-vaccines-evidence-andcausality.aspx Archive: Auteur/Année: https://drive.google.com/open?id=1nl18cdV\_y3TtQBz IOM, 2011 oCq0tSiuYmHF1 vYO P. 145 (174)

37 Titre de l'article : Date: Denmark scientist accused of stealing autism research 13 avril 2011 money Site Internet: Archive: Reuters http://archive.is/h1qLN

A scientist in Denmark has been indicted by a federal grand jury in Atlanta for allegedly stealing \$1 million in grant money that the Centers for Disease Control and Prevention had earmarked for autism research. U.S. prosecutors on Wednesday said they are seeking to extradite Poul Thorsen, 49, accused of wire fraud and money laundering. He used the stolen money to buy a home in Atlanta, a Harley Davidson motorcycle and two cars, prosecutors said. [...] Thorsen, a visiting scientist at the Atlanta-based CDC in the 1990s, helped two government agencies in Denmark obtain \$11 million in research grants. He moved back to Denmark in 2002 to be principal investigator for the program. Prosecutors said he was also in charge of administering the research dollars, earmarked in part to study the relationship between autism and exposure to vaccines.

Titre de l'article : Dane indicted for defrauding CDC	Date: 13 avril 2011
Site Internet: Atlanta Business Chronicle <a href="http://www.bizjournals.com/atlanta/news/2011/04/13/da">http://www.bizjournals.com/atlanta/news/2011/04/13/da</a> <a href="ne-indicted-for-defrauding-cdc.html">ne-indicted-for-defrauding-cdc.html</a>	Archive: https://web.archive.org/web/201 80919220752/https://webcache. googleusercontent.com/search?q =cache:sU81j6AiPG8J:https://w ww.bizjournals.com/atlanta/new s/2011/04/13/dane-indicted-for- defrauding- cdc.html+&cd=1&hl=en&ct=cl nk≷=il&client=firefox-b

Thorsen worked in the 1990s as a visiting scientist at the CDC Division of Birth Defects and Developmental Disabilities, when the CDC was soliciting grant applications for research related to infant disabilities. Thorsen promoted the idea of awarding the grant to Denmark and provided input and guidance for the research. From 2000 to 2009, the CDC awarded more than \$11 million to two governmental agencies in Denmark to study the relationship between autism and exposure to vaccines... Nom de la page : **Fugitive Profiles** Site Internet: Archive: http://archive.is/wip/4qVfg Office of Inspector General, HHS https://oig.hhs.gov/fraud/fugitives/profiles.asp#other**fugitives** 

38	Titre de l'article : Association Between Thimerosal-Containing Vaccine and Autism	PMID: 14519711
	Auteur principal/Année : Anders Hviid, 2003	Revue : JAMA
	Titre de l'article : Measles-Mumps-Rubella Vaccination and Asthma-like Disease in Early Childhood	PMID: 18845551
	Auteur principal/Année : Anders Hviid, 2008	Revue : American Journal of Epidemiology
	Titre de l'article : Autism and Thimerosal containing vaccines: lack of consistent evidence for an association.	PMID: 12880876
	Auteur principal/Année : Paul Stehr-Green, 2003	Revue: American Journal of Preventive Medicine
	Titre de l'article : Thimerosal and the Occurrence of Autism: Negative Ecological Evidence From Danish Population-Based Data	PMID: 12949291
	Auteur principal/Année : Kreesten M. Madsen, 2003	Revue : Pediatrics

39	Désignation abrégée : Madsen 2002	Archive: <a href="https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6">https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6</a>
	Titre de l'article, p. 1	

		Archive: <a href="https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6">https://drive.google.com/open?id=1Yr4-bZH0ybUOZcp52BHoxzR_A1gjSSG6</a>
	P. 6:	
	Supported by grants fromthe National Vaccine Program Office and National Immunization Program, Centers for Disease Control and Prevention	

# 41-60

41	Nom de la page :	Archive :
	Vaccines Do Not Cause Autism	http://archive.is/SCAqJ

Site Internet:

CDC website

http://www.cdc.gov/vaccinesafety/concerns/autism.html

There is no link between vaccines and autism

42 Titre du document :

Adverse Effects of Vaccines: Evidence and Causality

http://nationalacademies.org/hmd/reports/2011/adverse-effects-of-vaccines-evidence-andcausality.aspx

Archive: Auteur/Année :

https://drive.google.com/open?id=1nl18cdV\_y3TtQBz IOM, 2011

oCq0tSiuYmHF1 yYQ

P. 50 (79):

Epidemiologic analyses are usually unable to detect an increased or decreased risk that is small, unless the study population is very large or the difference between the groups (e.g., vaccinated vs. unvaccinated) at risk is very high... These studies also can fail to detect risks that affect a small subset of the population.

43 Désignation abrégée : Archive:

> Madsen 2002 https://drive.google.com/open?id=1Yr4-

bZH0ybUOZcp52BHoxzR\_A1gjSSG6

P. 2:

We performed an extensive record review for 40 children with autistic disorder...

44 Désignation abrégée : Archive:

> Madsen 2002 https://drive.google.com/open?id=1Yr4-

bZH0ybUOZcp52BHoxzR A1giSSG6

We determined MMR-vaccination status on the basis of vaccination data reported to the National Board of Health by general practitioners, who administer all MMR vaccinations in Denmark.

45 Désignation abrégée : Archive:

> Madsen 2002 https://drive.google.com/open?id=1Yr4-

bZH0ybUOZcp52BHoxzR\_A1giSSG6

P. 5:

We assume that the data on MMR vaccination are almost complete, since general practitioners in Denmark are reimbursed only after reporting immunization data to the National Board of Health.

46 Désignation abrégée : Archive:

Madsen 2002 https://drive.google.com/open?id=1Yr4bZH0ybUOZcp52BHoxzR A1gjSSG6

Données tirées du tableau 2

#### Madsen 2002

TABLE 2. ADJUSTED RELATIVE RISK OF AUTISTIC DISORDER AND OF OTHER AUTISTIC-SPECTRUM DISORDERS IN VACCINATED AND UNVACCINATED CHILDREN.\*

VACCINATION	Person-Years†	Autis	TIC DISORDER	11,000	ITISTIC-SPECTRUM ISORDERS
		NO. OF CASES	ADJUSTED RELATIVE RISK (95% CI)	NO. OF CASES	ADJUSTED RELATIVE RISK (95% CI)
Total Vaccination	2,129,864	316		422	
No Yes	482,360 1 647 504	53 263	1.00	77 345	1.00

#### Researchers Calculations

**MMR Status** Person Years No. Autistic Kids Adjusted Relative Risk

Unvaccinated 482.360 53 1.00 1,647,504 0.92 Vaccinated 263

Conclusion Vaccinated kids have lower autism risk

# Calculation without Adjustments

**MMR Status** Person Years Autistic Children Relative Risk Years/Child Unvaccinated 482,360 53 9.101 1.00 1,647,504 Vaccinated 263 6,264 1.45 Conclusion Vaccinated kids have higher (45%) autism risk

47 Désignation abrégée : Archive:

> Madsen 2002 https://drive.google.com/open?id=1Yr4bZH0ybUOZcp52BHoxzR\_A1gjSSG6

P. 3:

We calculated the relative risk with adjustment for age, calendar period, sex, birth weight, gestational age, mother's education, and socioeconomic status.

Archive:

1LVEHpSumks-

https://drive.google.com/open?id=

XGbdd7DujwX2hDOP4ltVl

48 Titre de l'article : PMID: Increasing Exposure to Antibody-Stimulating Proteins 23545349 and Polysaccharides

in Vaccines Is Not Associated with Risk of Autism http://www.jpeds.com/article/S0022-3476(13)00144-

3/pdf

Auteur principal/Année : Revue:

Frank DeStefano, 2013 The Journal Of Pediatrics

49 Désignation abrégée : Archive:

DeStefano 2013 https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltV1

Titre de l'étude, p. 1 :

Increasing Exposure to Antibody-Stimulating Proteins and Polysaccharides in Vaccines Is Not Associated with Risk of Autism

50 Désignation abrégée :

> DeStefano 2013 https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltV1

P. 1

#### Par exemple: 51

Pas de lien entre les vaccins et l'autisme

https://www.ncbi.nlm.nih.gov/pubmed/17928818

Pas de lien entre les vaccins du programme de vaccination des enfants et le diabète de type 1 https://www.ncbi.nlm.nih.gov/pubmed/11731639

Pas de lien entre les vaccins et l'asthme

https://www.ncbi.nlm.nih.gov/pubmed/12182372

Pas de lien entre le thimérosal contenu dans les vaccins et les troubles neurologiques

https://www.ncbi.nlm.nih.gov/pubmed/14595043

Les vaccins contre la grippe et le H1N1 sont sûrs

https://www.ncbi.nlm.nih.gov/pubmed/21767718

52 Archive:

http://archive.is/bh8oL

53 Désignation abrégée : Archive:

DeStefano 2013 https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltV1

P. 1

54	Titre de l'article :	
74	i illue de l'anticle .	

Date: 29 mars 2013 New study finds no link between 'too many vaccines' and

autism

Site Internet: Archive:

**NBC** 

http://vitals.nbcnews.com/ news/2013/03/29/17516929-new-

study-finds-no-link-between-too-many-vaccines-and-autism

http://archive.is/oDjiE

#### 55 Titre de l'article :

29 mars 2013 New study finds no link between 'too many vaccines' and

autism

Archive:

Date:

#### Site Internet:

NBC

http://archive.is/oDjiE

http://vitals.nbcnews.com/ news/2013/03/29/17516929-newstudy-finds-no-link-between-too-many-vaccines-and-autism

"This study looked into the concern that receiving too many vaccines at one doctor's visit or too many vaccines during the first two years of life may be linked to the development of autism," the report's lead author, Dr. Frank DeStefano told NBC chief medical editor Dr. Nancy Snyderman. "We found they're not related."

DeStefano hopes the new research will convince parents that it's safe to follow CDC vaccination schedules.

[...]

"The number of vaccines in the current immunization schedule is what's needed to protect children," he said. "It's not too many for a child's immune system."

56	Titre de l'article : Vaccines Not Linked To Autism. Again.	Date : 29 mars 2013
	Site Internet : Forbes <a href="http://www.forbes.com/sites/emilywillingham/2013/03/29/vaccines-not-linked-to-autism-again/#5b452ca95166">http://www.forbes.com/sites/emilywillingham/2013/03/29/vaccines-not-linked-to-autism-again/#5b452ca95166</a>	Archive: <a href="http://archive.is/QVEo0">http://archive.is/QVEo0</a>
	Titre de l'article : Multiple Vaccines Not Linked To Autism Risk	Date : 30 mars 2013
	Site Internet : Medical News Today <a href="http://www.medicalnewstoday.com/articles/258414.php">http://www.medicalnewstoday.com/articles/258414.php</a>	Archive: <a href="http://archive.is/Tsbin">http://archive.is/Tsbin</a>
	Titre de l'article : Number Of Early Childhood Vaccines Not Linked To Autism	Date : 29 mars 2013
	Site Internet: NPR http://www.npr.org/sections/health- shots/2013/03/29/175626824/the-number-of-early-childhood- vaccines-not-linked-to-autism	Archive: http://archive.is/V8Xst
	Titre de l'article : No link found between autism and number of vaccines	Date : 29 mars 2013
	Site Internet : CBS News http://www.cbsnews.com/news/no-link-found-between-autism-and-number-of-vaccines/	Archive: http://archive.is/TKUmJ
	Titre de l'article : Multiple Vaccinations on Same Day Does Not Raise Autism Risk	Date : 29 mars 2013
	Site Internet: Time Magazine <a href="http://healthland.time.com/2013/03/29/multiple-vaccinations-on-same-day-does-not-raise-autism-risk/">http://healthland.time.com/2013/03/29/multiple-vaccinations-on-same-day-does-not-raise-autism-risk/</a>	Archive: http://archive.is/eB8AB

Désignation abrégée : Archive :  DeStefano 2013  Archive :  https://drive.google.com/open?id=1LVEHpSumks- XGbdd7DujwX2hDOP4ltV1	https://drive.google.com/open?id=1LVEHpSumks-
---------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------

#### Par exemple, p. 2:

we evaluated the associations between the total cumulative exposure to antibody stimulating proteins and polysaccharides from childhood vaccinations and... ASD outcomes Ou, p. 7:

however, we found no association between exposure to antigens from vaccines during infancy and the development of ASD with regression.

#### 58 Désignation abrégée : Archive:

DeStefano 2013 https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltVl

#### P. 1:

A recent survey found that parents' top vaccine-related concerns included administration of too many vaccines during the first 2 years of life, administration of too many vaccines in a single doctor visit, and a possible link between vaccines and learning disabilities, such as autism.

#### 59 Désignation abrégée :

DeStefano 2013

Archive: https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltV1

#### P. 1:

Using the number of antibody-stimulating proteins and polysaccharides contained in vaccines as a measure, we evaluated the association between the level of immunologic stimulation received from vaccines during the first 2 years of life and the risk of developing an autism spectrum disorder (ASD), including specific ASD subtypes.

#### 60 Désignation abrégée :

DeStefano 2013

Archive:

https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltV1

P. 2, tableau 1

# 61-80

#### 61 Désignation abrégée : Archive:

DeStefano 2013

https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltVl

#### P. 4:

Admittedly, this approach assumes that all proteins and polysaccharides in a vaccine evoke equivalent immune responses, whereas some proteins actually may be more likely than others to stimulate an immune response. Moreover, the calculations do not take into account the number of epitopes per antigen or the immunologic strength of each epitope.

#### 62 Désignation abrégée : Archive:

DeStefano 2013

 $\frac{https://drive.google.com/open?id=1LVEHpSumks-}{XGbdd7DujwX2hDOP4ltVl}$ 

#### P. 4:

Nonetheless, we believe that our estimates provide a valid relative ranking of the antigen content of vaccines.

#### 63 Désignation abrégée :

DeStefano 2013

https://drive.google.com/open?id=1LVEHpSumks-

XGbdd7DujwX2hDOP4ltVl

#### P. 4:

The immunization schedule in effect during the years in which our study children were vaccinated included some, such as diphtheria, tetanus, and whole-cell pertussis, that were cruder and more antigenic than current vaccines, and also caused more side effects. Removal of whole-cell pertussis vaccine from the childhood vaccination schedule has substantially decreased the antigenic load from vaccines.

Désignation abrégée : Archive :
DeStefano 2013 Archive :
https://drive.google.com/open?id=1LVEHpSumksXGbdd7DujwX2hDOP4ltVI

P. 2, tableau 1

Titre de l'article (traduit de l'hébreu):
Are vaccines a burden on the immune system?
(Answer: no)

Date:
17 mars 2018

Archive:
http://archive.is/QfpPN

Site Internet:

Davidson institute, Educational arm of Weizmann Institute for Science, Rehovot, Israel

(Traduit de l'hébreu)

A 2013 study [DeStefano 2013] looked at another question – is there an association between the number of anigens and the risk for autism  $[\ldots]$  Like many other studies done since, this 2013 study also concluded there is none.

66 PMID: Titre de l'article : Autoimmune disorders and quadrivalent human 24206418 papillomavirus vaccination of young female subjects Archive: http://onlinelibrary.wiley.com/doi/10.1111/joim.12155/ https://drive.google.com/open?id= pdf 1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY Auteur principal/Année: Revue: L. Grimaldi-Bensouda, 2014 Journal of Internal Medicine

Désignation abrégée :
Grimaldi-Bensouda 2014

Archive :
<a href="https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY">https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY</a>

P. 9 :
Funding

funded by an unrestricted grant from Sanofi Pasteur MSD

Merck et Sanofi-Pasteur ont fermé leur société commune en 2016.

http://www.msd.com/about/featured-stories/spmsd/index.html

Archive:

https://web.archive.org/web/20180907083210/http://www.msd.com/about/featured-stories/spmsd/index.html

Désignation abrégée : Archive :

Grimaldi-Bensouda 2014

P. 9:
Funding
The Scientific Committee for the study received honoraria from Sanofi Pasteur MSD

Désignation abrégée : Archive : https://drive.google.com/open?id=1dSrBeFU\_P-ZKrSaMwoaow6Pc9rst9isY

P. 8 : Conflict of interest statement

71

The LA-SER (LASER ANALYTICA) company was purchased in 2018 to another company. Dute to this, the company website (http://www.la-ser.com) is no longer available. These excerpts were copied form the company's website, when it was still online.

5 of the top 8 major pharma manufacturers and 15 mid-size companies and biotechs already use PGRx

http://www.la-ser.com/services-2/data-solutions/

We provide cutting edge outcomes research designed to demonstrate the benefit to patients that products and health technologies provide.

http://www.la-ser.com/services-2/real-world-evidence/

Founded by one of the world's pioneers and leaders in pharmacoepidemiology and public health, Professor Lucien Abenhaim, who directed the famous McGill

Pharmacoepidemiology Education Program for several years, LASER ANALYTICA offers unique consulting capabilities in these domains.

http://www.la-ser.com/services-2/real-world-evidence/

Un reportage sur l'acquisition d'Analytica par LA-SER:

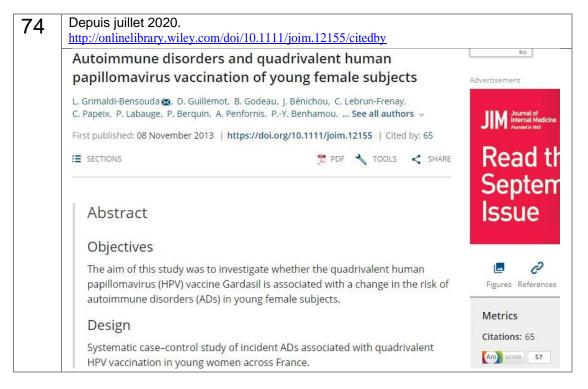
http://myemail.constantcontact.com/LA-SER-Group-Grows-Worldwide-Healthcare-Economics-Consulting-Capabilities.html?soid=1102157698477&aid=K05zKxx4Z4c Archive: <a href="http://archive.is/U0iWM">http://archive.is/U0iWM</a>

Un reportage sur le rachat de LA-SER par Certara :

https://www.certara.com/pressreleases/certara-acquires-analytica-laser-a-leader-in-marketaccess-health-economics-and-outcomes-research-heor-and-real-world-evidence-solutions?/ Archive: <a href="http://archive.is/TtBdC">http://archive.is/TtBdC</a>

72 Titre du document : MMWR Vol. 63, No. 5 https://www.cdc.gov/mmwr/pdf/rr/rr6305.pdf Archive: Auteur/Année : https://drive.google.com/open?id=1KF2xY CDC, 2014 aHnQs8NrjCW1owte8XUM -s2NOM P. 28 (30)

73	Titre du document : HPV Vaccine is Safe — (Gardasil) <a href="https://www.cdc.gov/vaccinesafety/pdf/data-summary-hpv-gardasil-vaccine-is-safe.pdf">https://www.cdc.gov/vaccinesafety/pdf/data-summary-hpv-gardasil-vaccine-is-safe.pdf</a>		
	Auteur/Année : CDC, 2016	Archive: https://drive.google.com/open?id=1HxmM kj_j9UedaLjabAkHNH05f2Ma9fF-	
	P. 2		



75 Désignation abrégée : Archive: Grimaldi-Bensouda 2014 https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY LA-SER, an independent research organisation that owns and develops the PGRx.database.

76 Désignation abrégée : Archive: Grimaldi-Bensouda 2014 https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY

P. 3:

Human papillomavirus vaccination history was assessed using prescription records received from cases and referents, as well as directly from GPs and during the telephone interviews.

En outre, les chercheurs ont obtenu le statut vaccinal des sujets qui n'étaient pas joignables par téléphone, ce qui indique qu'ils avaient une autre source d'information (voir la note du schéma 1, p. 6).

77 Désignation abrégée : Archive: Grimaldi-Bensouda 2014 https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY For each AD case, only referents with no history of that particular type of AD were selected as potential controls.

78 Désignation abrégée : Archive: Grimaldi-Bensouda 2014 https://drive.google.com/open?id=1dSrBeFU P-ZKrSaMwoaow6Pc9rst9isY P. 4, tableau 1

79 PMID: Titre de l'article : Vaccination and Allergic Disease: A Birth Cohort 15249303 Archive:

http://ajph.aphapublications.org/doi/pdf/10.2105/ https://drive.google.com/open?id=13b5 r3JluMRXKcXVsouZfPpCDPsnDqkqI AJPH.94.6.985 Auteur principal/Année: Revue:

Tricia M. McKeever, 2004 American Journal of Public Health

80 Désignation abrégée : Archive:

McKeever 2004 https://drive.google.com/open?id=1dSrBeFU\_P-

ZKrSaMwoaow6Pc9rst9isY

Our data suggest that currently recommended routine vaccinations are not a risk factor for asthma or eczema.

# 81-100

81 Nom de la page : Archive:

> School of Medicine - School staff listing http://archive.is/Hhsw2

Site Internet:

University of Nottingham

https://www.nottingham.ac.uk/medicine/people/tricia.mckeever

82 Désignation abrégée : Archive:

McKeever 2004 https://drive.google.com/open?id=1dSrBeFU P-

ZKrSaMwoaow6Pc9rst9isY

P. 1:

An unexplained increase in the prevalence of allergic disease has occurred in the developed world in the past few decades. During the same period, there has been an increase in mass immunization, leading to the hypothesis that certain vaccines may increase the risk of allergic disease.

83 Désignation abrégée : Archive:

McKeever 2004 https://drive.google.com/open?id=1dSrBeFU\_P-

ZKrSaMwoaow6Pc9rst9isY

P. 1:

It is clearly important to gain a detailed understanding of the relationship between vaccination and allergic disease, because a perception that vaccination is harmful may have an adverse impact on the effectiveness of immunization programs.

84 Désignation abrégée : Archive:

> McKeever 2004 https://drive.google.com/open?id=1dSrBeFU P-

ZKrSaMwoaow6Pc9rst9isY

P. 2:

Children who are not taken to the doctor are less likely to be vaccinated and also have less of an opportunity to have a diagnosis of allergic disease recorded.

85 Désignation abrégée : Archive:

https://drive.google.com/open?id=1dSrBeFU\_P-McKeever 2004

ZKrSaMwoaow6Pc9rst9isY

P. 1:

We identified children who were registered with their general practitioner (GP) (their primary care physician) within 3 months of birth and whose medical history contained at least 1 physician visit at any time

86 Titre de l'article :

Vaccination And Risk Of Allergic Disease

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1449840/

PMID: 15623850

Auteur principal/Année: Revue:

Eric L. Hurwitz, 2005 American Journal of Public Health

87 Désignation abrégée : Archive:

McKeever 2004 https://drive.google.com/open?id=1dSrBeFU P-

ZKrSaMwoaow6Pc9rst9isY

P. 4:

These data, together with other published evidence, suggest that current vaccination practices do not have an adverse effect on the incidence of allergic disease.

88 Titre de l'article :

> Pervasive Developmental Disorders in Montreal, Ouebec, Canada: Prevalence and Links With

**Immunizations** 

http://pediatrics.aappublications.org/content/118/1/e139

PMID: 16818529

Archive:

https://drive.google.com/open?i d=11BvQzmoUd1U2XQk7vJR7

fnwvS XJPxMd

Auteur principal/Année: Revue: Eric Fombonne, 2006 **Pediatrics** 

Quelques articles de Fombonne sur le lien entre autisme et vaccins : 89

> No evidence for a new variant of measles-mumps-rubella-induced autism. http://www.ncbi.nlm.nih.gov/pubmed/11581466

MMR vaccination and pervasive developmental disorders: a case-control study.

http://www.ncbi.nlm.nih.gov/pubmed/15364187

Is there an epidemic of autism?

https://www.ncbi.nlm.nih.gov/pubmed/11158478

Epidemiology of pervasive developmental disorders. https://www.ncbi.nlm.nih.gov/pubmed/19218885

Thimerosal disappears but autism remains. https://www.ncbi.nlm.nih.gov/pubmed/18180423

90 Désignation abrégée : Archive:

https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7 Fombonne 2006

fnwvS XJPxMd

P. 1:

In the United Kingdom, Dr Fombonne has provided advice on the epidemiology and clinical aspects of autism to scientists advising parents, to vaccine manufacturers, and to several government committees between 1998 and 2001. Since June 2004. Dr Fombonne has been an expert witness for vaccine manufacturers in US thimerosal litigation. None of his research has ever been funded by the industry.

91

Désignation abrégée : Archive:

https://drive.google.com/open?id=1lBvQzmoUd1U2XQk7vJR7 Fombonne 2006

fnwvS XJPxMd

P. 11:

Children with autism and their younger unaffected siblings should be vaccinated. Unvaccinated children are at much higher risk of contracting measles and suffering from its sometimes severe or lethal complications.

92	Titre de l'article :	Date :	
	No Autism-Vaccine Link, Researchers Re-Confirm	5 juillet 2006	
	Site Internet : MEDPAGE TODAY http://www.medpagetoday.com/infectiousdisease/vaccines/36 69	Archive : http://archive.is/NWRZ5	
	As the mercury-containing preservative thimerosal was remove fewer children received the mumps-measles-rubella vaccine, the disorders rose among Canadian school children.  In a study of nearly 28,000 children born between 1987 and 1995 pervasive developmental disorders was greater in those children mercury-containing compound thimerosal was completely elimic Canada, reported Eric Fombonne, M.D., of McGill University is	98, the prevalence of a vaccinated after the inated from vaccines in	
	Titre de l'article : Vaccines And Autism	Date : 6 juillet 2006	
	Site Internet : CBS <a href="http://www.cbsnews.com/news/vaccines-and-autism/">http://www.cbsnews.com/news/vaccines-and-autism/</a>	Archive : http://archive.is/mPFH3	
	New research from Canada may not end the debate about childle but it offers more evidence that vaccines are not to blame for the cases of the developmental disorder.		
	Titre de l'article : Study: Vaccines Don't Cause Autism	Date: 6 juillet 2006	
	Site Internet: WEBMD http://www.webmd.com/children/vaccines/news/20060706/study-vaccines-dont-cause-autism	Archive : http://archive.is/4Dsbb	
	New research from Canada may not end the debate about childhood vaccines and autism, but it offers more evidence that vaccines are not to blame for the dramatic rise in reported cases of the developmental disorder.  The study examined outcomes among 28,000 children in Quebec, exposed to different dosages of the measles, mumps, rubella (MMR) vaccine[]		
		T	

93	Titre de l'article : Vaccines And Autism	Date : 6 juillet 2006
	Site Internet : CBS	Archive : http://archive.is/mPFH3
	http://www.cbsnews.com/news/vaccines-and-autism/ Our study once again rules out MMR as a cause for autism.	

94	Titre de l'article : No Autism-Vaccine Link, Researchers Re-Confirm	Date: 5 juillet 2006
	Site Internet : MEDPAGE TODAY	Archive : http://archive.is/NWRZ5
	http://www.medpagetoday.com/infectiousdisease/vaccines/36 69	
	We hope this study will finally put to rest the pervasive belief linking vaccines with developmental diseases like autism.	

#### Depuis juillet 2020 95 https://pediatrics.aappublications.org/content/118/1/e139/tab-article-info

96 Titre de l'article :

Vaccines and Autism: Evidence Does Not Support a Causal

https://ascpt.onlinelibrary.wiley.com/doi/abs/10.1038/sj.clpt.6

100407

PMID: 17928818

Archive:

https://drive.google.com/o pen?id=1UcEA2dqSucbfz vLnwCEzvP5F16QRzaSi

Auteur principal/Année : Revue:

Frank DeStefano, 2007 Clinical Pharmacology and Therapeutics

P. 2:

Similarly, a study conducted in Montreal found that the birth cohort prevalence of pervasive developmental disorders, which include autism, increased from 1987 to 1998, whereas during the same time MMR vaccination coverage showed a statistically significant decrease.

#### 97 Titre du document :

The Childhood Immunization Schedule and Safety

Stakeholder Concerns, Scientific Evidence, and Future Studies

http://www.nap.edu/catalog/13563/the-childhood-immunization-schedule-and-safety-

stakeholder-concerns-scientific-evidence

Archive: Auteur/Année :

https://drive.google.com/open?id=1no7T\_ IOM, 2013 Zx03ToHXlEMGix9miyZMhiRIVtW

#### P. 86 (103):

The initial literature search identified 32 papers on the relationship between immunizations or vaccines and pervasive developmental disorder... each of the other four papers might help with a study of the schedule.

[...]

This was an ecological study, but the data were interpreted carefully and the differences in appropriate trends were noted

#### 98 Titre du document :

Adverse Effects of Vaccines: Evidence and Causality

http://nationalacademies.org/hmd/reports/2011/adverse-effects-of-vaccines-evidence-andcausality.aspx

Archive: Auteur/Année :

https://drive.google.com/open?id=1nl18cdV\_y3Tt IOM, 2011 QBzoCq0tSiuYmHF1 yYQ

P. 145 (174):

Fombonne 2006

[it was] not considered in the weight of epidemiologic evidence because they provided... an ecological comparison study lacking individual-level data.

#### 99 Désignation abrégée : Archive:

https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7

fnwvS XJPxMd

P. 5:

For the 10 birth cohorts with available data, the average MMR uptake in Quebec was...

Et p. 7:

Vaccination uptake of MMR was high in Quebec, averaging 93.2% over the study years.

Fombonne 2006		, ,	Archive: <a href="https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7">https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7</a> <a href="mailto:fnwvS_XJPxMd">fnwvS_XJPxMd</a>
		P. 4: Data on MMR uptake for the study period were available through the Direction de Sante´ Publique de la Capitale Nationale (N.Boulianne, BN, MSc, written communication, 2005)	

# 101-114

101	Titre de l'article : A Tale of Two Cities: Flawed Epidemiology	Date : 7 mars 2007
	Auteur : F. Edward Yazbak	Archive: http://archive.is/253mj

102	Titre de l'article : A Tale of Two Cities: Flawed Epidemiology	Date : 7 mars 2007
Auteur : F. Edward Yazbak		Archive: http://archive.is/253mj
As a note, I believe the evidence of no link between MMR and Autism is worth publishing more on this subject. We will not be publishing this exc correspondence.		

103	Désignation abrégée : Fombonne 2006	https://drive.google.com/open?id=1lBvQzmoUd1U2XQk7vJR7
		fnwvS XJPxMd

#### P. 3:

the LBPSB has a special support team to monitor the progress of children with PDD in its schools. This team keeps a list of children with a PDD diagnosis, which is updated on a weekly basis. The children with PDD who are the focus of this study were identified via this list.

104	Désignation abrégée : Fombonne 2006	Archive: <a href="https://drive.google.com/open?id=1lBvQzmoUd1U2XQk7vJR7">https://drive.google.com/open?id=1lBvQzmoUd1U2XQk7vJR7</a> <a href="mailto:fnwvS_XJPxMd">fnwvS_XJPxMd</a>
	P. 4: Individual immunization data were not available for study subjects.	

105	Désignation abrégée : Fombonne 2006	Archive: <a href="https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7">https://drive.google.com/open?id=11BvQzmoUd1U2XQk7vJR7</a> <a href="mailto:fnwvS_XJPxMd">fnwvS_XJPxMd</a>
		in the course of the development of children with PDD were not
	available in this study	

106

Titre de l'article :

Effects of Editorial Peer Review

A Systematic Review

http://jama.jamanetwork.com/article.aspx?arti cleid=194989

PMID: 12038911

Archive:

https://drive.google.com/open?id=1RYb

FqONzxV07oMQMJSLJHZlkNHJCHz

Auteur principal/Année: Revue: Tom Jefferson, 2002 **JAMA** 

P. 1:

CONCLUSIONS: Editorial peer review, although widely used, is largely untested and its effects are uncertain.

107

Titre de l'article :

Peer review: a flawed process at the heart of

science and journals

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1

420798/pdf/0178.pdf

PMID: 16574968

Archive:

https://drive.google.com/open?id=10 al3x lv A7W xJKy12F0HsqhDA38

**RQJ** 

Revue: Auteur principal/Année:

Richard Smith, 2006 Journal of the Royal Society of Medicine

P. 2:

At the BMJ we did several studies where we inserted major errors into papers that we then sent to many reviewers. Nobody ever spotted all of the errors. Some reviewers did not spot any, and most reviewers spotted only about a quarter.

108

Titre de l'article : Date: Should academics be paid for peer review? 16 mars 2016

Site Internet:

**TOHE** 

https://www.timeshighereducation.com/news/shouldacademics-be-paid-for-peer-review

http://archive.is/OUeBu

Archive:

As the number of papers needing review increases, journals are thinking of replacing a voluntary system with cash rewards

109

Désignation abrégée :

Archive: **Smith 2006** 

https://drive.google.com/open?id=1Oal3x lv A7W xJKy12F0

HsqhDA38RQJ

P. 2:

Peer review sometimes picks up fraud by chance, but generally it is not a reliable method for detecting fraud because it works on trust.

110

Désignation abrégée :

**Smith 2006** 

Archive:

https://drive.google.com/open?id=1Oal3x lv A7W xJKy12F0

HsqhDA38RQJ

P. 5:

Some journals, including the BMJ, make it a condition of submission that the editors can ask for the raw data behind a study. We did so once or twice, only to discover that reviewing raw data is difficult, expensive, and time consuming.

## 111

Désignation abrégée : Smith 2006

Archive:

https://drive.google.com/open?id=1Oal3x\_lv\_A7W\_xJKy12F0

HsqhDA38RQJ

P. 2:

So we have little evidence on the effectiveness of peer review, but we have considerable evidence on its defects. In addition to being poor at detecting gross defects and almost useless for detecting fraud it is slow, expensive, profligate of academic time, highly subjective, something of a lottery, prone to bias, and easily abused.

## 112

Titre de l'article :

John Ioannidis has dedicated his life to quantifying how science is broken

Date:

16 février 2015

Site Internet:

VOX

Archive:

http://archive.is/4nIGf

http://www.vox.com/2015/2/16/8034143/john-ioannidisinterview

Recently there's increasing emphasis on trying to have post-publication review. Once a paper is published, you can comment on it, raise questions or concerns. But most of these efforts don't have an incentive structure in place that would help them take off. There's also no incentive for scientists or other stakeholders to make a very thorough and critical review of a study, to try to reproduce it, or to probe systematically and spend real effort on re-analysis. We need to find ways people would be rewarded for this type of reproducibility or bias checks.

## 113

Titre de l'article :

How Many Scientists Fabricate and Falsify Research? A Systematic Review and Meta-Analysis of Survey

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC268500 8/

PMID: 19478950

Archive:

https://drive.google.com/open?i d=1qOwUWd9WRgChSUNjNC8AJjaaT2yuEBR

Auteur principal/Année : Daniele Fanelli, 2009

Revue: PLOS One

P. 1:

A pooled weighted average of 1.97% [...] of scientists admitted to have fabricated, falsified or modified data or results at least once –a serious form of misconduct by any standard—and up to 33.7% admitted other questionable research practices. In surveys asking about the behaviour of colleagues, admission rates were 14.12% [...] for falsification, and up to 72% for other questionable research practices.

## 114

Désignation abrégée :

Archive:

Smith 2006

https://drive.google.com/open?id=1Oal3x lv A7W xJKy12F0

HsqhDA38RQJ

So we have little evidence on the effectiveness of peer review, but we have considerable evidence on its defects. In addition to being poor at detecting gross defects and almost useless for detecting fraud it is slow, expensive, profligate of academic time, highly subjective, something of a lottery, prone to bias, and easily abused.

# Chapitre 6 : Les études qui ne seront jamais faites

## 1-20

Nom de la page :
The Journey of Your Child's Vaccine

Site Internet :
CDC website
http://www.cdc.gov/vaccines/parents/infographics/journey-of-child-vaccine.html

2 Titre du document :

The Childhood Immunization Schedule and Safety
Stakeholder Concerns, Scientific Evidence, and Future Studies
<a href="http://www.nap.edu/catalog/13563/the-childhood-immunization-schedule-and-safety-stakeholder-concerns-scientific-evidence">http://www.nap.edu/catalog/13563/the-childhood-immunization-schedule-and-safety-stakeholder-concerns-scientific-evidence</a>

Auteur/Année : Archive :

IOM, 2013 https://drive.google.com/open?id=1no7T\_Zx03To HXIEMGix9miyZMhiRIVtW

P. 40 (57):

...the sample sizes in prelicensing clinical trials may not have been adequate to detect rare adverse events, the prelicensing study population may not have been monitored for long-term adverse events, and populations may not have been heterogeneous

3 Désignation abrégée : Archive :

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 70 (87):

IOM 2013

The committee also acknowledges that the public health community has in place monitoring systems that work very well for the detection of adverse events that occur in the short term after immunization.

4 Désignation abrégée : Archive :

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 94 (111):

IOM 2013

The committee's review confirmed that research on immunization safety has mostly developed around studies examining potential associations between individual vaccines and single outcomes. Few studies have attempted more global assessments of entire sequence of immunizations or variations in the overall immunization schedule and categories of health outcomes, and none has squarely examined the issue of health outcomes and stakeholder concerns in quite the way that the committee was asked to do in its statement of task. None has compared entirely unimmunized populations with those fully immunized for the health outcomes of concern to stakeholders.

Désignation abrégée : Archive : https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9 miyZMhiRIVtW

P. 86-88 (103-105)

6 Nom de la page :

Seeking The Truth About The Never-Vaccinated

Archive:

http://archive.is/GDQXz

Site Internet :

Age of Autism

http://www.ageofautism.com/2007/12/seeking-the-tru.html

Titre du document :

Compulsory Vaccination Briefly Considered

Archive: Auteur/Année:

https://drive.google.com/open?id=1 bol5t6Zyrnej John Gibbs, 1856

9goXH9P2fmoTQYrMI8X

P. 10-11:

The main question for the consideration of science is not whether vaccination be a protection against one form of disease, but what is its general influence upon the constitution?

[...]

What is the percentage of deaths before a given age, from all epidemics, amongst the vaccinated, as compared with the unvaccinated? What is the percentage respectively of cases of disease of the respiratory organs, of skin diseases, of scrofula, and of convulsions? What is the average duration of life amongst the vaccinated and amongst the unvaccinated? Of a thousand children vaccinated within a given time after birth, and of a thousand unvaccinated, the whole two thousand being placed as nearly as possible in like circumstances, what percentage in each thousand attain the age of puberty? These are statistics with which the advocates of vaccination have never grappled.

7 Nom de la page :

Congressional Record Volume 159

Archive:

http://archive.is/f1WSi

Site Internet:

US Government Publishing Office

https://www.gpo.gov/fdsvs/pkg/CREC-2013-04-26/html/CREC-2013-04-26-pt1-

PgE576.htm

Before coming to Congress in 2009, I heard from some in the autism community who have advocated for a retrospective study to examine whether there are different health outcomes when comparing vaccinated children and unvaccinated children, including autism and chronic conditions. I have continued to hear these requests over the past four years.

8 Nom de la page :

No MMR-Autism Link in Large Study of

Vaccinated vs. Unvaccinated Kids

Archive:

http://archive.is/5mWxz

Site Internet:

Autism Speaks

https://www.autismspeaks.org/science/science-news/no-mmr-autism-link-large-studyvaccinated-vs-unvaccinated-kids

9 Titre de l'article : PMID:

Vaccination Status and Health in Children and

Adolescents

21412506

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3057555/

Auteur principal/Année: Revue:

Roma Schmitz, 2011 Deutsches Ärzteblatt international 10 Nom de la page :

50 Anti-Vaccine Myths and Misinformation (item 37)

Archive:

https://web.archive.org/web/20150319024613/p://pedia trics.about.com/od/immunizations/tp/Anti-Vaccine-Myths-and-Misinformation.03.htm

Site Internet:

VervWell Family

http://pediatrics.about.com/od/immunizations/tp/Anti-Vaccine-Myths-and-Misinformation.03.htm

In contrast, a real study in Germany, "Vaccination Status and Health in Children and Adolescents," looked at medical records from KiGGS to see "whether unvaccinated children and adolescents differ from those vaccinated in terms of health."

The diseases they looked at included allergies, eczema, obstructive bronchitis, pneumonia and otitis media, heart disease, anemia, epilepsy, and attention deficit hyperactivity disorder (ADHD).

Not surprisingly, this second study did find that unvaccinated children were more likely to get vaccine-preventable diseases. However, it also concluded that "the prevalence of allergic diseases and non-specific infections in children and adolescents was not found to depend on vaccination status."

So, since these unvaccinated and vaccinated children had the same incidence of allergies, pneumonia, and other conditions, etc., plus unvaccinated children were also more likely to have vaccine-preventable diseases, such as measles and mumps, that hardly sounds like unvaxed kids are healthier.

11 Désignation abrégée : Archive:

IOM 2013 https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 86 (103)

12 Titre de l'article : Date: Autism costs estimated to reach nearly \$500 billion, potentially 28 juillet 2015

\$1 trillion, by 2025

Site Internet: **UC DAVIES** 

https://www.ucdmc.ucdavis.edu/publish/news/newsroom/10214

Archive:

http://archive.is/XYc84

Une enquête sur le taux de vaccination des 13 Amish dans l'Illinois.

Titre de l'article :

Vaccination Usage Among An Old-Order

Amish Community In Illinois

https://journals.lww.com/pidj/Fulltext/2006/12000/VAC CINATION USAGE AMONG AN OLD ORDER A MISH.16.aspx

PMID:

17133167

Archive:

https://drive.google.com/ope n?id=1x7eQSXDluWYPH-74YCVOWlx7m6Pj\_Kip

Auteur principal/Année: Revue:

Jonathan S. Yoder, 2006 The Pediatric Infectious Disease Journal

Une enquête sur le taux de vaccination des Amish dans l'Ohio (et sur leur position vis-à-vis de la vaccination).

PMID: 21708796

Titre de l'article :

Underimmunization in Ohio's Amish: Parental Fears Are

a Greater Obstacle Than Access to Care

Auteur principal/Année : Revue: Olivia K. Wenger, 2011 **Pediatrics**  14 Titre de l'article :

Underimmunization in Ohio's Amish: Parental Fears Are a Greater Obstacle Than Access to Care

PMID: 21708796

Auteur principal/Année : Olivia K. Wenger, 2011

Revue : Pediatrics

P. 5:

Similar to our study, a survey of an Arthur, Illinois, Amish population found that parents were most concerned about vaccine safety rather than availability, cost, prioritization, or alignment with religious values.

15

Titre du document :

Olmsted, who worked in news agency UPI, published the series on UPI's website. The series was later removed from the site. It can be read here:

https://drive.google.com/open?id=1BCJfmWLMrjSuZ8vRYa6LL4slSnhXdfk3

16 Nom de la page :

Autism Spectrum Disorder (ASD)

Archive:

Archive:

http://archive.is/NOyDo

Site Internet:

**CDC** 

http://www.cdc.gov/ncbddd/autism/index.html

CDC is committed to continuing to provide essential data on ASD, search for factors that put children at risk for ASD and possible causes, and develop resources that help identify children with ASD as early as possible.

17 Nom de la page :

Pertussis Outbreak in an Amish Community ---Kent County, Delaware, September 2004--February http://archive.is/Kc2RD

2005

Site Internet:

CDC

http://www.cdc.gov/mmwr/preview/mmwrhtml/mm5530a1.htm

This report describes an outbreak of pertussis in an Amish community in Kent County, Delaware, during September 2004--February 2005, that resulted in 345 cases and affected primarily preschool-aged children.

[...]

To maximize active surveillance and control measures, a door-to-door case finding and contact investigation program was instituted.

Titre de l'article :

PMID:

Haemophilus influenzae Type b disease among Amish children in Pennsylvania: reasons for persistent disease

11581468

Auteur principal/Année : Revue : AM Fry, 2001 Pediatrics

We investigated recent cases, performed community surveys for Hib vaccination coverage and pharyngeal carriage, and administered a questionnaire assessing vaccination knowledge and attitudes to 298 members of 2 Amish communities (A and B) in Pennsylvania and, as a comparison group, 136 non-Amish family members who participated in state immunization

clinics.

Titre de l'article :

PMID:

An epidemiologic investigation of a rubella outbreak among the Amish of northeastern Ohio

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1403405

8341776

Auteur principal/Année : Revue: BM Jackson, 1993 Pediatrics Titre de l'article : PMID: 1984459 Measles among the Amish: a comparative study of measles severity in primary and secondary cases in households Auteur principal/Année : Revue: RW Sutter, 1991 Journal of Infectious Diseases An outbreak of measles among a predominantly unvaccinated and susceptible Amish population in Lebanon County, Pennsylvania, offered the opportunity to test the hypothesis that secondary cases in households are more severe than primary cases because the former

18 Titre de l'article : Date: Study says cost of autism more than cancer, strokes and heart 9 juin 2014 disease Site Internet: Archive: The Guardian http://archive.is/b6uXH http://www.theguardian.com/society/2014/jun/09/autismcosts-more-cancer-strokes-heart-disease

have more intense exposure and receive a greater virus inoculum.

19 Titre de l'article : Date: The Age of Autism: 'A pretty big secret' 7 décembre 2005 Site Internet: Archive: http://archive.is/GEpma http://www.upi.com/Health\_News/2005/12/07/The-Age-of-Autism-A-pretty-big-secret/68291133982531/

"We have a fairly large practice. We have about 30,000 or 35,000 children that we've taken care of over the years, and I don't think we have a single case of autism in children delivered by us who never received vaccines," said Dr. Mayer Eisenstein, Homefirst's medical director who founded the practice in 1973. Homefirst doctors have delivered more than 15,000 babies at home, and thousands of them have never been vaccinated.

20 PMID: Titre de l'article : 15052396 A prevalence estimate of pervasive developmental disorder among Immigrants to Israel and Israeli natives Archive: https://www.researchgate.net/publication/8649372 A pr https://drive.google.com/open?i evalence estimate of pervasive developmental disorde d=1jXh9kgpJS77gnPZXw0r among Immigrants to Israel and Israeli natives -HX1BqeDloNAS3 A file review study Auteur principal/Année: Revue: Anat Kamer, 2004 Social Psychiatry and Psychiatric Epidemiology

## 21-40

21 Nom de la page :

Why Is Autism Rate So High For Somalis In Minn.

Site Internet: YouTube

https://www.youtube.com/watch?v=xUf4L6UQhbk

Nom de la page :
Why Is Autism Rate So High For Somalis In Minn.

Site Internet :
YouTube
https://youtu.be/xUf4L6UQhbk?t=143

Nom de la page : Archive :

Minneapolis Somali Autism Spectrum Disorder Archive :

<a href="http://archive.is/VXvmu">http://archive.is/VXvmu</a>

Prevalence Project

Site Internet :

University of Minnesota

https://rtc.umn.edu/autism/

The Somali estimate of 1 in 32 compares to 1 in 36 White children, 1 in 62 Black children and 1 in 80 Hispanic children.

25 Nom de la page :
Legislation Aims to Resolve Thimerosal
Controversy

Date :
25 juin 2007

Archive :
http://archive.is/pswYi

Site Internet:

Carolyn B. Maloney (member of Congress)

https://webcache.googleusercontent.com/search?q=cache:Pz1gbFVVuoUJ:https://maloney.house.gov/media-center/press-releases/legislation-aims-resolve-thimerosal-controversy+&cd=1&hl=en&ct=clnk&gl=il

26 Nom de la page : Archive: H.R. 1757 (113th): Vaccine Safety Study Act http://archive.is/OwI6D (2013)Site Internet: Govtrack https://www.govtrack.us/congress/bills/113/hr1757 Archive: Nom de la page : H.R.3615 - Vaccine Safety Study Act (2017) http://archive.is/Q0V8j Site Internet: Congress.gov https://www.congress.gov/bill/115th-congress/house-bill/3615

27 Désignation abrégée : Archive : <a href="https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9">https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9</a> miyZMhiRIVtW

P. 20 (37):

On June 2, 2009, the National Vaccine Advisory Committee (NVAC) reviewed the nation's vaccine safety system and endorsed the recommendation of the NVAC Safety Working Group for an external expert committee, such as a committee convened by the Institute of Medicine (IOM), "with broad expertise in research methodologies, study design, and the ethical conduct of research to consider the strengths and weaknesses, ethical issues and feasibility including timelines and cost of various study designs to examine outcomes in

unvaccinated, vaccine-delayed and vaccinated children and report back to the NVAC"

The National Vaccine Program Office of HHS asked the IOM to convene a diverse committee of experts in pediatrics, neurology, medical ethics, immunology, statistics, epidemiology, and public health to identify study designs feasible to address questions about the safety of the United States' childhood immunization schedule.

28 Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 21 (38):

Identify potential research approaches, methodologies, and study designs that could inform this question, including an assessment of the potential strengths and limitations of each approach, methodology and design, as well as the financial and ethical feasibility of doing them.

29

Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 17 (34):

Vaccines have significantly contributed to worldwide reductions in morbidity and mortality by reducing the incidence of serious infectious diseases [...] However, as the incidence of vaccine- preventable disease has declined, many do not appreciate the potential of these diseases to reemerge, and the potential adverse effects of the vaccines themselves take on greater saliency among certain stakeholders. Indeed, vaccine safety concerns exist among a diverse range of individuals, institutions, and formal and informal networks worldwide.

30

Nom de la page : Vaccine Safety

Archive:

http://archive.is/TJ196

Site Internet:

CDC

http://www.cdc.gov/Features/VaccineSafety/

The safety of vaccines is thoroughly studied before they are licensed for public use. Clinical trials are conducted to evaluate the safety and effectiveness of a vaccine before it can be brought to market. Vaccines are first tested in laboratory studies and animal studies. If the results indicate the vaccine is safe, additional testing in people must be done before the vaccine can be approved by the Food and Drug Administration (FDA).

31

Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 5 (22):

No studies have compared the differences in health outcomes that some stakeholders questioned between entirely unimmunized populations of children and fully immunized children.

32

Désignation abrégée :

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXlEMGix9 miyZMhiRIVtW

P. 11 (28):

Most vaccine-related research focuses on the outcomes of single immunizations or combinations of vaccines administered at a single visit.

#### 33 Désignation abrégée :

IOM 2013

Archive:

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 11 (28):

Thus, key elements of the entire schedule—the number, frequency, timing, order, and age at administration of vaccines—have not been systematically examined in research studies.

## 34

Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 130 (147):

Even though each new vaccine is evaluated in the context of the overall immunization schedule that existed at the time of review, individual elements of the schedule are not evaluated once it is adjusted to accommodate a new vaccine.

#### P. 31 (48):

Although this process results in an evaluation of whether the observed benefits outweigh the observed risks for the new vaccine and, by extension, for the schedule, it does not include studies specifically designed to test variations in the schedule in an effort to identify the optimal schedule.

## 35

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXlEMGix9 miyZMhiRIVtW

## P. 11 (28):

The second major issue that the committee encountered was uncertainty over whether the scientific literature has addressed all health outcomes and safety concerns. The committee could not tell whether its list was complete or whether a more comprehensive system of surveillance might have been able to identify other outcomes of potential significance to vaccine safety. In addition, the conditions of concern to some stakeholders such as immunologic, neurologic, and developmental problems are illnesses and conditions for which etiologies, in general, are not well understood.

## 36

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 11 (28):

Finally, the committee found that evidence assessing outcomes in subpopulations of children who may be potentially susceptible to adverse reactions to vaccines (such as children with a family history of autoimmune disease or allergies or children born prematurely) was limited and is characterized by uncertainty about the definition of populations of interest and definitions of exposures and outcomes.

## 37

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 11 (28):

In summary, to consider whether and how to study the safety and health outcomes of the entire childhood immunization schedule, the field needs valid and accepted metrics of the entire schedule (the "exposure") and clearer definitions of health outcomes linked to stakeholder concerns (the "outcomes") in rigorous research that will ensure validity and generalizability.

38 Désignation abrégée : Archive: IOM 2013 https://drive.google.com/open?id=1no7T\_Zx03ToHXlEMGix9 miyZMhiRIVtW P. 22 (39)

39 Désignation abrégée : Archive: IOM 2013 https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW P. 70-71 (87-88)

40 Désignation abrégée : Archive: IOM 2013 https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW P. 106 (123): Likewise, parents of intentionally unvaccinated children are unlikely to allow their children to be randomized to receive vaccines.

## 41-60

41 Désignation abrégée :

IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 106 (123):

...any child, even the child of a parent who staunchly rejects vaccination, who is randomized to a no-vaccination arm is essentially consigned to an elevated risk of severe illness and even possible death should the child contract a vaccine-preventable disease.

P. 107 (124):

The ethics of human experimentation always trump scientific and other considerations, and no study that needlessly endangers children is acceptable.

42 Titre du document :

> National, State, and Local Area Vaccination Coverage Among Children Aged 19–35 Months — United States, 2012

http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6236a1.htm

Archive: Auteur/Année :

http://archive.is/UtX6r CDC, 2013

Tableau 1, données relatives à la couverture vaccinale de 2008 à 2012 :

Children who received no vaccinations: 2011 - 0.8%, 2012 - 0.8%

43 Titre du document :

National vaccine objection (conscientious objection) data 1999 to 2015

https://beta.health.gov.au/resources/publications/national-vaccine-objection-conscientiousobjection-data-1999-to-2015

Archive: Auteur/Année:

https://drive.google.com/open?id=1U7VlgPAzdcEE1SRg12T-AIR, 2018

00WlWRj27fo5

Données sur l'objection de conscience pour la période 2010-2015, p. 2.

44 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9 miyZMhiRIVtW

P. 130 (147):

In summary, to consider whether and how to study the safety and health outcomes of the entire childhood immunization schedule, the field needs... clearer definitions of health outcomes linked to stakeholder concerns...

45

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 114 (131)

Original study: Glanz 2013

46

Désignation abrégée :

IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 109 (126) pour l'ECR ; p. 111 (128) pour l'étude prospective

47

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 118 (135):

In addition, the VSD system has a large enough proportion of unvaccinated children to investigate differences in health outcomes of unvaccinated and vaccinated children.

48

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

Sur l'ECR testant un calendrier vaccinal différent : p. 107 (124) :

Although it is unobjectionable ethically, the committee considered the time and financial strains resulting from immunization on a dispersed schedule to be too prohibitively costly to recommend pursuing this line of research and, thus, does not endorse this method as a feasible option for studying the recommended immunization schedule.

Sur l'étude prospective : p. 112 (129) :

...the limits of studying distinct subgroups of naturally occurring unimmunized populations, and the high cost of pursuing prospective data collection, the committee does not consider the initiation of new prospective cohort studies to be the most feasible or fruitful approach to studying the recommended immunization schedule at this time.

49

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 108 (125):

Unless researchers somehow accounted for the occurrence of the more serious preventable diseases, it may appear that nonvaccination is "safer" in this respect. To further complicate matters, the rare unvaccinated child in an otherwise heavily vaccinated area will benefit from community immunity and may thus appear to have done better than his or her peers, some of whom will develop adverse effects, such as fever.

50 Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 111 (128):

However, such a study would have limited utility to accurately assess differences in health outcomes between unimmunized and fully immunized children... the study would need to account for the many confounding variables that distinguish distinct subgroups of naturally occurring unimmunized populations from the rest of the U.S. population, including lifestyle factors and known genetic variables that may play a role in the development of allergies, asthma, and other conditions.

51 Titre de l'article : PMID: 19420367 Vaccine Refusal, Mandatory Immunization, and the Risks of Vaccine-Preventable Diseases Archive: https://www.nejm.org/doi/full/10.1056/NEJMsa0806477 https://drive.google.com/open?i d=1JVj1dDnlLTfLHDn6Z4e4M AeSDStdW89y Auteur principal/Année: Revue: Saad B. Omer, 2009 **NEJM** P. 3: The reasons for the geographic clustering of exemptions from school vaccination requirements are not fully understood, but they may include characteristics of the local population (e.g., cultural issues, socioeconomic status, or educational level), the beliefs of local health care providers and opinion leaders (e.g., clergy and politicians), and local media coverage. PMID: Titre de l'article : Parental Delay or Refusal of Vaccine Doses, Childhood 21812176 Vaccination Coverage at 24 Months of Age, and the Health Belief Model Auteur principal/Année : Revue: Philip J. Smith, 2011 **Public Health Reports** P. 7. tableau 3 Au Canada, ils ne peuvent pas non plus caractériser Date: 9 avril 2012 avec précision les personnes non vaccinées. Titre de l'article : Anti-vaxxers among Canadians of all demographics, poll finds: 'It could be your neighbour. That's the scary thing' Site Internet: Archive: **USA TODAY** http://archive.is/IYVvI http://news.nationalpost.com/news/canada/anti-vaxxersamong-canadians-of-all-demographics-poll-finds-it-could-be-

52	Titre de l'article : After \$1 billion, experts see progress on autism's causes	Date : 9 avril 2012
	Site Internet :	Archive :
	USA TODAY	http://archive.is/ixi6Z
	http://usatoday30.usatoday.com/news/health/story/2012-04-	
	09/researchers-autism-causes/54129282/1	
	More than \$1 billion has been spent over the past decade search	ing for the causes of autism

your-neighbour-thats-the-scary-thing

#### 53 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9 miyZMhiRIVtW

#### P. 13 (30):

Secondary analyses with data from other existing databases similar to VSD would be feasible, ethical, and a lower-cost approach to investigating the research questions that the committee identified, including research on alternative immunization schedules.

En outre, le comité déclare que le VSD peut être utilisé pour les études sur les vaccinés et les non-vaccinés. P. 116 (135) :

To date, the data obtained from VSD have already been used to study health outcomes of children with incomplete immunizations or who may follow alternative schedules, as described above. In addition, the VSD system has a large enough proportion of unvaccinated children to investigate differences in health outcomes of unvaccinated and vaccinated children.

## 54

## Désignation abrégée :

#### Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW

#### P. 10 (27):

These concerns were not expressed by clinicians, public health personnel, or policy makers in the committee's review. Among the last three groups, the childhood immunization schedule is considered one of the most effective and safest public health interventions available to prevent serious disease and death.

#### 55 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHX1EMGix9 miyZMhiRIVtW

#### P. 66 (83):

...the testimony of many individuals and organizational representatives revealed a lack of trust in the quality and thoroughness of vaccine safety research

### 56

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 18 (35):

As the number of recommended vaccines has increased in recent years, some parents and advocacy groups have expressed the concern that the immunization schedule is too crowded and complex...

## 57

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW

P. 62 (79):

Two-thirds of these articles were categorized as studies of parental concerns about either safety (n = 26) or communication between providers, public health authorities, and parents (n = 31).

#### 58 Titre de l'article : PMID: 24590751 Effective messages in vaccine promotion: a randomized trial Auteur principal/Année: Revue: B Nyhan, 2014 **Pediatrics**

Titre de l'article : Physician Communication Training and Parental Vaccine Hesitancy: A Randomized Trial	PMID: 26034240
Auteur principal/Année : NB Henrikson, 2015	Revue : Pediatrics
Titre de l'article : The Influence of Provider Communication Behaviors on Parental Vaccine Acceptance and Visit Experience	PMID: 25790386
Auteur principal/Année : DJ Opel, 2015	Revue: American Journal of Public health

59 Désignation abrégée : Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW

#### P. 127 (144):

The committee notes that stakeholder concerns may be used to drive a search for scientific evidence (biological or epidemiological), although such concerns would not be sufficient motivation to embark on costly clinical research, such as new randomized controlled trials or cohort studies.

60 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

Recommandation 4-1, p. 129 (146)

## 61-73

61 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW

P. 20 (37):

The NVAC report stated that "the strongest study design, a randomized clinical trial that includes a study arm receiving no vaccine or vaccine not given in accord with the current recommended schedule, is not ethical, would not pass Institutional Review Board (IRB) review, and cannot be done"... Furthermore, it may be impossible to draw unbiased results from an observational study of this issue because of potential differences in baseline health and social characteristics of populations and subgroups.

62 Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9 miyZMhiRIVtW

## P. 127 (144):

The committee made a judgment based on the literature that failed to link adverse effects to schedule exposures or multiple immunizations, concluding that there is no evidence that the schedule is not safe.

## 63

Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 127 (144):

The committee recognized that final decisions about research studies must await knowledge of further evidence, including biological plausibility and/or epidemiological evidence, feasibility, cost, and the exact circumstances of stakeholder concerns, before the planning and conduct of specific research projects.

## 64

Désignation abrégée :

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

#### P. 132 (149):

IOM 2013

The committee recognizes that the establishment of priorities for research will be a challenge. Thus, the committee proposes a process for setting priorities that recognizes stakeholder concerns and establishes these priorities on the basis of epidemiological and other evidence (based on formal systematic reviews), biological plausibility, and feasibility.

## 65

Désignation abrégée :

IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXlEMGix9

miyZMhiRIVtW

## Recommandation 4-1, p. 129 (146):

Recommendation 4-1: The committee recommends that the National Vaccine Program Office systematically collect and assess evidence regarding public confidence in and concerns about the entire childhood immunization schedule, with the goal to improve communication with health care professionals, and between health care professionals and the public regarding the safety of the schedule.

## 66

Désignation abrégée :

IOM 2013

Archive:

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

Recommandation 6-3, p. 118 (135):

Recommendation 6-3: The committee recommends that the Department of Health and Human Services (HHS) and its partners continue to fund and support the Vaccine Safety Datalink project to study the safety of the recommended immunization schedule. Furthermore, HHS should consider expanding the collaboration with new health plan members and enhancing the data to improve its utility and generalizability.

### 67

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

Recommandation 6-2, p. 134 (151):

Recommendation 6-2: The Department of Health and Human Services should refrain from initiating randomized controlled trials of the childhood immunization schedule that compare safety outcomes in fully vaccinated children with those in unvaccinated children or those vaccinated by use of an alternative schedule.

68 Désignation abrégée : IOM 2013

Archive:

https://drive.google.com/open?id=1no7T\_Zx03ToHXIEMGix9

miyZMhiRIVtW

Recommandation 5-1, p. 130 (147) :

Recommendation 5-1: To improve the utility of studies of the entire childhood immunization schedule, the committee recommends that the National Vaccine Program Office develop a framework that clarifies and standardizes definitions of key elements of the schedule, relevant health outcomes, and populations that are potentially susceptible to adverse events.

69

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

Recommandation 6-1, p. 132 (149):

Recommendation 6-1: The committee recommends that the Department of Health and Human Services incorporate study of the safety of the overall childhood immunization schedule into its processes for setting priorities for research, recognizing stakeholder concerns, and establishing the priorities on the basis of epidemiological evidence, biological plausibility, and feasibility.

70

Titre de l'article :

A Population-Based Cohort Study of Undervaccination

in 8 Managed Care

Organizations Across the United States

https://jamanetwork.com/journals/jamapediatrics/fullarti

cle/1558057

PMID:

23338829

Archive:

PMID:

29582071

https://drive.google.com/open?i d=1gS5reE25E9rOUicV8wsY3

4A-CPRXt5Vf

Auteur principal/Année: Jason M. Glanz, 2013

Revue: Jama Pediatrics

71

Titre de l'article :

Vaccination Patterns in Children After Autism Spectrum Disorder Diagnosis and in TheirYounger Siblings

https://relaped.com/wp-content/uploads/2018/03/3-1.pdf

Auteur principal/Année:

Ousseny Zerbo, 2018

Revue:

JAMA Pediatrics

72

Désignation abrégée :

Archive:

IOM 2013

https://drive.google.com/open?id=1no7T Zx03ToHXIEMGix9

miyZMhiRIVtW

P. 116 (133):

Approximately 1.23 percent of children participating in VSD had no vaccinations recorded by age 1 year, and 1 percent of children had no vaccinations recorded by age 2 years.

73

Titre de l'article :

Vaccine-Preventable Diseases Requiring

Hospitalization

PMID: 28768853

Archive:

http://pediatrics.aappublications.org/content/pediatrics/ea rly/2017/07/31/peds.2017-0298.full.pdf

https://drive.google.com/open?i d=1t9g5rGLUp-

jUTu1xOedLHPmI0v7pHlNM

Auteur principal/Année: Gregory Williamson, 2017

Revue: **Pediatrics** 

## Chapitre 7 : Des directives vaccinales infondées

## 1-20

1	Titre du document : Recommended Child and Adolescent Immunization Schedule, for ages 18 years or younger <a href="https://drive.google.com/file/d/11tcxNEPzYibSrwe2RbnDnD2epCfnZlXo">https://drive.google.com/file/d/11tcxNEPzYibSrwe2RbnDnD2epCfnZlXo</a>	Auteur/Année : CDC, 2020
	P. 2, tableau 1	

2	Titre de l'article : New Software and Genetic Analyses Aim to Reduce Problems with Multiple-Drug Combinations	Date: 1 <sup>er</sup> octobre 2015
	Site Internet : Scientific American http://www.scientificamerican.com/article/new-software-and-genetic-analyses-aim-to-reduce-problems-with-multiple-drug-combinations/	Archive: <a href="http://archive.is/gDYts">http://archive.is/gDYts</a>
	Certain combinations of medicines (prescription or otherwise) c arise when the individual substances are taken alone. Studies pu decades suggest that such "drug interactions" cause more than 3	blished over the past two

Nom de la page :
Multiple Vaccines and the Immune System

Site Internet :

Archive :
<a href="http://archive.is/udrcT">http://archive.is/udrcT</a>

Site internet .

from medications.

CDC

http://www.cdc.gov/vaccinesafety/concerns/multiple-vaccines-immunity.html

A number of studies have been done to look at the effects of giving various combinations of vaccines, and when every new vaccine is licensed, it has been tested along with the vaccines already recommended for a particular aged child.

Titre du document :
Multiple Injections: Acceptability and Safety
<a href="http://www.who.int/immunization/diseases/poliomyelitis/inactivated\_polio\_vaccine/multiple\_injections\_acceptability\_safety.pdf">http://www.who.int/immunization/diseases/poliomyelitis/inactivated\_polio\_vaccine/multiple\_injections\_acceptability\_safety.pdf</a>

Auteur/Année:
WHO, 2014

Archive:
<a href="https://drive.google.com/open?id=1u">https://drive.google.com/open?id=1u</a>
<a href="https://drive.google.com/open?id=1u">aF5IV5wSPs46nfRg\_8hBEX6vziS3</a>
<a href="https://drive.google.com/open?id=1u">K7i</a>

#### P. 1:

Vaccination schedules that involve multiple injections during the same visit are based on many years of pre-licensure and post-licensure safety and effectiveness data, including concomitant use studies.

5	Titre de l'article :	PMID:
		11773551

Addressing Parents' Concerns: Do Multiple Vaccines Overwhelm or Weaken the Infant's Immune System?

https://www.aap.org/en-

us/Documents/immunization overwhelm.pdf

Archive:

https://drive.google.com/open?i d=1N8EXqxq8RbTprBp0fZ1W egd8Qz BCn5r

Auteur principal/Année : Revue: Paul A. Offit, 2002 **Pediatrics** 

P. 4:

If vaccines overwhelmed or weakened the immune system, then one would expect lesser immune responses when vaccines are given at the same time as compared with when they are given at different times.

6 Titre de l'article : PMID: Simultaneous administration of childhood vaccines: An 8072822 important public health policy that is safe and efficacious Revue:

Auteur principal/Année : King, 1994 The Pediatric Infectious Disease Journal

7 Titre du document : Auteur/Année: Recommended Child and Adolescent Immunization CDC, 2020 Schedule, for ages 18 years or younger https://drive.google.com/file/d/11tcxNEPzYibSrwe 2RbnDnD2epCfnZlXo P. 2, tableau 1

8 Nom du document (traduit de l'hébreu) : Immunization Guide https://drive.google.com/open?id=1db5nqObGNRg 8QwTaOUuTARsisHlPrf4U

Auteur/Année : Israeli Ministry of Health, 2015

Par exemple, p. 52 (traduit de l'hébreu) :

Simultaneous administration of most vaccines, live-attenuated or killed, does not increase the extent of post-vaccination side effects and does not affect the efficacy of any of them.

Nom de la page (traduit de l'hébreu) : Archive: Common Questions http://archive.is/aiHZ0

Site Internet:

"Vaccines" website of Wolfson Hospital http://chisunim.co.il/Faq.aspx?cat=2&id=5

"Should I split the vaccines or spread it over a longer period in order to reduce the burden on the baby's immune system?

No! The part of the immune system that we use when giving the vaccines is negligible compared to the real and full capacity of the immune system, and therefore the concern of overloading is baseless."

9 Titre de l'article : PMID: Reduced Rate of Side Effects Associated with Separate 20166340 Administration of MMR and DT aP-Hib-IPV Vaccinations

> Auteur principal/Année : Revue:

Elena Shneyer, 2009 Israeli Medical Association Journal 10 Titre de l'article :

> Reduced Rate of Side Effects Associated with Separate Administration of MMR and DT aP-Hib-IPV Vaccinations https://www.ncbi.nlm.nih.gov/pubmed/20166340

PMID: 20166340

Auteur principal/Année :

Elena Shneyer, 2009 Israeli Medical Association Journal

P. 2:

Nurses at a primary care clinic in the Afula region observed that the mode of separate administration of these vaccines is associated with a lower rate of adverse effects.

11 Titre de l'article :

Reduced Rate of Side Effects Associated with Separate Administration of MMR and DT aP-Hib-IPV Vaccinations https://www.ncbi.nlm.nih.gov/pubmed/20166340

PMID:

20166340

Auteur principal/Année : Revue:

Elena Shneyer, 2009 Israeli Medical Association Journal

P. 2

12 Titre de l'article :

> Reduced Rate of Side Effects Associated with Separate Administration of MMR and DT aP-Hib-IPV Vaccinations https://www.ncbi.nlm.nih.gov/pubmed/20166340

PMID: 20166340

Auteur principal/Année : Revue:

Elena Shneyer, 2009 Israeli Medical Association Journal

P. 3:

The rate of adverse reaction among children who were vaccinated separately was significantly lower than in those who were vaccinated simultaneously: 28 of 74 (37.8%) versus 58 of 102 (56.9).

13 Titre de l'article :

Reduced Rate of Side Effects Associated with Separate Administration of MMR and DT aP-Hib-IPV Vaccinations https://www.ncbi.nlm.nih.gov/pubmed/20166340

PMID:

20166340

Auteur principal/Année:

Elena Shneyer, 2009 Israeli Medical Association Journal

In this study it was demonstrated that the rate of adverse effects in the separately vaccinated group was significantly lower than in the simultaneously vaccinated group. The results of this study do not support the national recommendation of simultaneous vaccinations of MMR and DTaP-Hib-IPV. Rather, our data call for reconsideration of the current policy of simultaneous injections of MMR and DTaP-Hib-IPV – at least until a larger study is conducted.

14	Titre de l'article (traduit de l'hébreu) :	Date :
	Israeli study: Do not give 2 vaccines together at age one year	6 janvier 2010
	Site Internet :	Archive :
	YNET	http://archive.is/a6hJ1
	http://www.ynet.co.il/articles/0,7340,L-3830484,00.html	

15 Nom de la page :

Administering Vaccines

Archive:

http://archive.is/MAslj

Site Internet:

Immunization Action Coalition

http://www.immunize.org/askexperts/administering-vaccines.asp

How many vaccines can be given during an office visit?

All vaccines can be administered at the same visit. There is no upper limit for the number of vaccines that can be administered during one visit.

16 Titre de l'article :

Dr. Paul Offit: Debunking The Vaccine-Autism Link

Date:

24 octobre 2008

Site Internet:

Newsweek

Archive: http://archive.is/kggwm

https://www.newsweek.com/dr-paul-offit-debunking-vaccine-

autism-link-91933

Recently, Offit set off a flurry of angry postings when he said that a baby's immune system could handle as many as 10,000 vaccines. Then he upped the ante, saying it was probably "closer to 100,000." Offit's assessment is based on data showing the vast capacity of a

17 Titre de l'article :

> Addressing Parents' Concerns: Do Multiple Vaccines Overwhelm or Weaken the Infant's Immune System?

https://www.aap.org/en-

child's immunological response.

us/Documents/immunization\_overwhelm.pdf

PMID:

11773551

Archive:

https://drive.google.com/open?i d=1N8EXqxq8RbTprBp0fZ1Wegd8Qz BCn5r

Auteur principal/Année : Paul A. Offit, 2002

Revue: Pediatrics

P. 3:

...each infant would have the theoretical capacity to respond to about 10,000 vaccines at any one time.

18

Nom de la page :

Archive:

Combination vaccines and multiple vaccinations

http://archive.is/1LpaD

Site Internet:

University of Oxford - The Vaccine Knowledge Project

http://vk.ovg.ox.ac.uk/combination-vaccines-and-multiple-vaccinations

Each millilitre of blood contains ten million B cells, the white blood cells that are associated with the immune response. It is estimated that this would be enough to cope with thousands of vaccines at a time, meaning that a baby's immune system is not stretched at all by receiving several vaccines at once.

Nom de la page (traduit de l'hébreu):

Archive:

Common Questions

http://archive.is/t2klK

Site Internet:

"Vaccines" website of Wolfson Hospital

http://chisunim.co.il/Claim.aspx?cat=1&id=3&l=1

"Another common claim is that vaccines cause an unbearable burden on the immune system. The addition of new vaccines only increases this concern. In reality, a baby's immune system can respond to about 100,000 different organisms (bacteria, viruses, etc.). Therefore, vaccinating against 10 organisms will use 0.01% of the active immune capacity."

#### 19 Titre du document :

Immunization Safety Review: Multiple Immunizations and Immune Dysfunction

https://www.nap.edu/catalog/10306/immunizationsafety-review-multiple-immunizations-and-immunedysfunction

#### Archive:

https://drive.google.com/open?id= 1QujT3DieBvlChf3vi4h18hjK1O Qzx4Cp

#### Auteur principal/Année:

IOM, 2002

#### P. 6 (21):

This is consistent with the theoretical estimates presented to the committee, which suggest that the capacity of the infant's immune system is at least 1000 times greater than that maximally required to respond to vaccines.

## 20

Titre du document :

INFANRIX-IPV-HIB Package Insert

https://drive.google.com/open?id=1L7FcWdJOT8-h8m4na4uSVtKuagBdK1gA

P. 3

## 21-31

#### 21 Titre du document :

Vaccines When Your Child Is Sick

https://www.cdc.gov/vaccines/hcp/patient-ed/conversations/downloads/fs-child-sick.pdf

Auteur/Année :

Archive:

CDC, 2014

https://drive.google.com/open?id=1rqg7CK6-Y8kXI\_JWEQmKYEsLXNpKWr9z

#### P. 1:

vaccines do not make a mild illness worse

Vaccines are safe and effective when given to children with mild illness

#### 22 Titre du document :

Vaccines When Your Child Is Sick

https://www.cdc.gov/vaccines/hcp/patient-ed/conversations/downloads/fs-child-sick.pdf

Auteur/Année : Archive:

CDC, 2014 https://drive.google.com/open?id=1rqg7CK6-

Y8kXI JWEQmKYEsLXNpKWr9z

#### P. 1:

There is no health benefit to waiting to vaccinate your child if he or she has a mild illness. It's important that children get their vaccines on time—even if they don't feel well—so they're protected against serious diseases.

Keswadee Lapphra, 2011

Titre de l'article :
Can children with minor illnesses be safely immunized
<a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC320238">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC320238</a>
2/pdf/pch16463.pdf

Archive :
<a href="https://drive.google.com/open?id=1jeHfY\_wUhqGi3HBqcc5gh\_M9K8RJtkjSI">https://drive.google.com/open?id=1jeHfY\_wUhqGi3HBqcc5gh\_M9K8RJtkjSI</a>

Auteur principal/Année :

Revue :

Paediatric Child Health

24 Titre de l'article : PMID: 23024581 Can children with minor illnesses be safely immunized https://www.ncbi.nlm.nih.gov/pmc/articles/PMC320238 Archive: 2/pdf/pch16463.pdf https://drive.google.com/open?i d=1jeHfY wUhqGi3HBqcc5gh M9K8RJtkiSI Auteur principal/Année: Revue: Keswadee Lapphra, 2011 Paediatric Child Health What is the evidence that minor illnesses are not a contraindication to most vaccinations?

25 PMID: Titre de l'article : 23024581 Can children with minor illnesses be safely immunized https://www.ncbi.nlm.nih.gov/pmc/articles/PMC320238 Archive: 2/pdf/pch16463.pdf https://drive.google.com/open?i d=1jeHfY wUhqGi3HBqcc5gh M9K8RJtkjSI Auteur principal/Année: Revue: Keswadee Lapphra, 2011 Paediatric Child Health No publication in recent decades has assessed administering inactivated vaccines to mildly sick children.

Titre de l'article :
Antibody Response to Measles-Mumps-Rubella Vaccine of Children With Mild Illness at the Time of Vaccination

Auteur principal/Année :
Gale E. King, 1996

PMID:
8594268

Revue :
JAMA

P. 1:
157 children had one of these mild illnesses and 229 were well

27 PMID: Titre de l'article : Antibody response to measles-mumps-rubella 9481462 vaccine of children with mild illness at the time of Archive: vaccination https://drive.google.com/open?id=191 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2 277572/pdf/canfamphys00047-0055.pdf dyoOKeqoCr8I3HTC25U mcLd493 Auteur principal/Année: Revue: Brian Watada, 1998 Canadian Family Physician P. 2:

There is no confirmation in the study that any of the children were actually ill at the time of immunization, and no way of knowing whether these children had taken antipyretic medications to appear to have only mild illness.

#### P. 3:

Finally, Canadian immunization guidelines indicate that children are to be vaccinated between 12 and 15 months of age. This study took patients between 15 and 23 months. Although 40% of the patients were 15 months old, most were older.

#### 28 Titre de l'article :

Can children with minor illnesses be safely immunized

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3 202382/pdf/pch16463.pdf

PMID: 23024581

Archive:

https://drive.google.com/open?id=1jeH fY wUhqGi3HBqcc5ghM9K8RJtkjSI

Auteur principal/Année: Revue:

Keswadee Lapphra, 2011 Paediatric Child Health

#### P. 1:

In summary, the health care provider should be reassured that mild illness is not a reason to delay routine vaccination. Many good-quality studies have provided strong support for the recommendation.

#### 29 Titre de l'article :

Addressing Parents' Concerns: Do Multiple Vaccines Overwhelm or Weaken the Infant's Immune System? https://www.aap.org/en-

us/Documents/immunization overwhelm.pdf

PMID:

11773551

Archive:

https://drive.google.com/open?i d=1N8EXqxq8RbTprBp0fZ1W egd8Qz BCn5r

Auteur principal/Année : Revue: Paul A. Offit, 2002 **Pediatrics** 

#### P. 3:

However, vaccine-specific antibody responses and rates of vaccine-associated adverse reactions of children with mild or moderate illnesses are comparable to those of healthy children.

## 30

Nom de la page :

Multiple Vaccines and the Immune System

Archive:

http://archive.is/udrcT

#### Site Internet:

CDC

http://www.cdc.gov/vaccinesafety/concerns/multiple-vaccines-immunity.html

A number of studies have been done to look at the effects of giving various combinations of vaccines, and when every new vaccine is licensed, it has been tested along with the vaccines already recommended for a particular aged child.

## 31

Par exemple, l'essai clinique du vaccin contre le rotavirus.

Archive:

http://archive.is/SMTth

Nom de la page :

Safety and Immunogenicity of Rotavirus Vaccine (RotaTeq(R)) in Infants With Short Bowel Syndrome

Site Internet:

clinicaltrials.gov

https://clinicaltrials.gov/ct2/show/NCT00767364

Participants in the study will be monitored by telephone contacts on days 7, 14, and 42 after each dose and within 48 to 72 hours of each dose of the rotavirus vaccine regarding any serious adverse events. Archive: Ou l'essai du vaccin contre la grippe. http://archive.is/zIgcr Nom de la page : Immunogenicity and Safety of a Trivalent Inactivated Influenza Vaccine, Formulation 2010-2011, in Healthy Subjects Aged Over 6 Months Old to 18 Years Old Site Internet: clinicaltrials.gov https://clinicaltrials.gov/ct2/show/NCT01356342 All participants will be followed, either by clinical visit or by telephone contact, for 6 months after the first vaccination for safety reasons.

## Chapitre 8 : La disparition de la maladie

## 1-20

1 Titre de l'article :

The Importance of Social Intervention in Britain's Mortality Decline c.1850-1914: a Re-interpretation of the Role of Public Health

https://pdfs.semanticscholar.org/a350/8f97eff18b8cffb5ccd8c87feda108895c58.pdf

Auteur principal/Année : Revue :

Simon Szreter, 1988 Social History of Medicine

P. 34

Thomas McKeown was born in 1912 and came to England from Canada as a postgraduate on a Rhodes scholarship, completing an Oxford D.Phil, in the Department of Human Anatomy in 1939. He then underwent formal medical training, acquiring an MB in the University of London in 1942. Apparently, he was offered the Chair in the new discipline of Social Medicine at Birmingham in 1944 because he had so impressed the interviewing panel when he unsuccessfully applied for the Chair of Anatomy the previous year (which went to Solly Zuckerman).

Archive:

https://drive.google.com/open

?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIj

2 Désignation abrégée : Archive :

Szreter 1988 <u>https://drive.google.com/open?id=1c8AaRwdKf2O1On-</u>

VT0pI34G8xCEBWOIi

P. 2:

This work achieved something of a conceptual revolution in the disciplines of history and medicine, overturning a long-standing general orthodoxy regarding the importance of medical science and the medical profession in bringing about the decline in mortality which accompanied industrialization in Britain. It effectively demonstrated that those advances in the science of medicine which form the basis of today's conventional clinical and hospital teaching and practice, in particular the immuno- and chemo-therapies, played only a very minor role in accounting for the historic decline in mortality levels.

Titre de l'article :

Reasons for the Decline of Mortality in England and Wales during the Nineteenth Century <a href="https://www.jstor.org/stable/2173119">https://www.jstor.org/stable/2173119</a>

Auteur principal/Année : Revue :

Thomas McKeown, 1962 Population Investigation Committee

P. 7

Since 1837 knowledge of the birth rate and the death rate of England and Wales has been available from national sources.

#### 4 Titre de l'article :

An Interpretation of the Modern Rise of Population in Europe https://www.jstor.org/stable/2173815

Auteur principal/Année: Revue:

Thomas McKeown, 1972 Population Investigation Committee

#### P. 6:

The nature of infectious disease was not understood before 1850; infectious organisms affecting man were not identified until the last quarter of the nineteenth century, and specific prevention or treatment is unlikely to have had much influence on the national death rate before the introduction of chemotherapy in the nineteen thirties.

#### 5 Désignation abrégée : Lien:

McKeown 1962 https://www.jstor.org/stable/2173119

Page 12, le tableau 3 montre la baisse de la mortalité due à la tuberculose et à d'autres grandes maladies infectieuses au cours de la deuxième moitié du XIX<sup>e</sup> siècle.

#### 6 Désignation abrégée :

Lien:

McKeown 1962 https://www.jstor.org/stable/2173119

#### P. 29:

The effect of therapy was restricted to smallpox and hence had only a trivial effect on the total reduction of the death rate.

#### Et p. 2:

...with the notable exception of vaccination against smallpox, specific preventive or curative measures could have had no significant influence on mortality before the twentieth century, and that we must look elsewhere for the explanation of the rise of population.

#### 7 Titre de l'article :

An Interpretation of the Decline of Mortality in England and Wales during the Twentieth

http://www.jstor.org/stable/2173935

Auteur principal/Année: Revue:

Thomas McKeown, 1975 Population Investigation Committee

From the standardized rates it is clear that, with a short interruption in the fall of the male rate during the war years, mortality in both sexes has been declining since the beginning of the century.

#### 8 Désignation abrégée :

Lien:

McKeown 1975

http://www.jstor.org/stable/2173935

#### P. 11:

The last column of Table 4 summarizes the decline in mortality which occurred between 1901 and 1971. Approximately three-quarters (73 4 per cent) of the reduction was associated with the infections and one-quarter (26-6 per cent) with other conditions.

9 Désignation abrégée : Lien:

> McKeown 1975 http://www.jstor.org/stable/2173935

It is clear that the 1930s were a watershed in the history of treatment of infectious diseases, with the introduction of the sulphonamides followed, in the next decade, by the antibiotics. Since there were few effective therapeutic measures before 1935, it is interesting to consider the extent of the improvement in mortality from infections before and after this time. Table 5 shows the proportion of the total reduction which had occurred by 1931. Among the infections 56 per cent of the decline in mortality over the whole period (1901-71) occurred before 1931; among other conditions the proportion was 58 per cent. That is to say, in both cases more than half of the improvement took place in the first three of the seven decades, before the modern era of effective chemotherapy.

10 Désignation abrégée : Lien:

> McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 23:

There was no effective treatment of scarlet fever before the use of prontosil in 1935. But, by the beginning of the century, mortality from the disease had fallen to a relatively low level (see Table 9), and between 1901 and 1971 the disease was associated with only 1 2 per cent of the total reduction from all causes. 89 per cent of this improvement occurred before the introduction of the sulphonamides.

11 Désignation abrégée :

> McKeown 1975 http://www.jstor.org/stable/2173935

P. 12, tableau 4:

Dysentery and diarrhea went down 87% by 1931.

12 Désignation abrégée : Lien:

> McKeown 1975 http://www.jstor.org/stable/2173935

## P. 22:

There is, therefore, little doubt that the death rate would have continued to fall even if effective therapeutic measures had not been applied. However, the decline was greatly accentuated by chemotherapy... We conclude that although therapy cannot be credited with the whole of the reduction since that time (3.6 per cent of the total) it was responsible for most of it.

13 Désignation abrégée : Lien:

McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 25:

Whooping cough was associated with 2 7 per cent of the reduction in mortality from all causes. Treatment by sulphonamides and (later) antibiotics was not available before 1938, and even now its effect on the course of the disease is questionable. Immunization was used widely from 1952; the protective effect is variable, and has been estimated to lie between less than 20 and over 80 per cent. Mortality from whooping cough began to decline from the seventh decade of the nineteenth century, and 86 per cent of the reduction since 1901 occurred before the introduction of the sulphonamides.

#### 14 Désignation abrégée : Lien:

McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 25:

Mortality fluctuated before 1915, but fell rapidly from that time. Between 1901 and 1971 the disease was responsible for 2 4 per cent of the total reduction. Effective specific measures against measles have only recently become available in the form of immunization and they can have had no significant effect on the trend of the death rate. However, mortality from the disease was attributable largely to invasion by secondary organisms, which have been treated by chemotherapy since 1935. 82 per cent of the decrease of deaths from measles had occurred before this date.

#### 15 Désignation abrégée : Lien:

McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 25:

The disease was associated with 2.4 per cent of the fall of mortality from all causes between 1901 and 1971. It is not possible to assess with any precision the relative importance of the various influences which may have contributed. Antitoxin was first used in the late nineteenth century and has been the accepted form of treatment since that time. It is believed to have reduced the case fatality rate, which fell from 8 2 per 100 notifications in 1916-25 to 5 4 in 1933-42, while notifications remained at an average level of above 50,000 per year. The mortality rate increased at the beginning of the last war, but fell rapidly at about the time when national immunization was introduced.

#### 16 Désignation abrégée : Lien:

McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 25:

It is tempting to attribute much of the decline of diphtheria mortality between 1901 and 1931 to treatment by antitoxin, and the rapid fall since 1941 to immunization. Nothing in British evidence is seriously inconsistent with this interpretation; however, experience in some other countries is not so consistent. Moreover, as already noted, other infections declined in the same period in the absence of effective prophylaxis or treatment.

#### 17 Désignation abrégée : Lien:

McKeown 1975 http://www.jstor.org/stable/2173935

#### P. 20, tableau 9:

The decrease in pertussis, diphtheria and measles is 7/5% of the overall decrease in deaths. In P 11 it is noted that the decline in infectious diseases was amounted to 75% of the overall decline in mortality. Thus, the decrease in pertussis, diphtheria and measles is about 10% of the the decline in mortality from infectious diseases.

#### 18 Désignation abrégée : Lien:

McKeown 1972 http://www.jstor.org/stable/2173935

#### P. 30:

There remains for consideration a miscellaneous group of conditions. Some of them are well- recognized infectious diseases which caused few deaths in this century, either because they were uncommon (as in the case of malaria, tetanus, poliomyelitis and encephalitis) or, because al- though common they were not often lethal (as in the case of mumps, chickenpox and German measles).

19 Désignation abrégée : Lien:

> McKeown 1972 https://www.jstor.org/stable/2173815

Although data for the nineteenth century are seriously deficient, analysis by cause of death for the four countries and England and Wales leaves little doubt that the decline of mortality was due to a reduction of deaths from infectious disease, almost wholly until 1900 and predominantly after that time. Vaccination against smallpox is the only medical measure likely to have been effective before the present century and it was not until 1935, with the introduction of the sulphonamides, that therapy became available which reduced mortality from infection to an extent that could be expected to lower the national death rate.

20

L'étude Colgrove 2002 (voir la référence 88 de ce chapitre) détaille les arguments avancés contre les travaux de McKeown, notamment à la page 3. Szreter non plus (Szreter 1988, p. 6 et 11) ne critique pas la qualité des données de McKeown.

## 21-40

21 Désignation abrégée : Archive:

> Szreter 1988 https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIi

#### P. 2-3:

It should be stressed at the outset that this achievement of McKeown's work, in deflating the historical claims of one particular section of the medical profession and its 'high tech' invasive and biochemical medicine, remains unaffected by the arguments set out below. McKeown's unanswerable point is precisely that this modern kind of applied medical science virtually did not exist during the period addressed here.

Et p. 9:

The chapter then proceeded to demonstrate for each of the major diseases in turn that, with the exception of smallpox and diphtheria, the dates at which either effective immunization procedures or scientific medical treatments first became available were often far too late in time to be able to account for all but the last few percentage points of the overall decline of the disease. This was certainly true of respiratory tuberculosis, measles, and scarlet fever; and broadly true for whooping cough and the bronchitis, pneumonia, and influenza group. All had been declining very considerably in incidence long before effective chemotherapy or other scientific techniques had become available.

22 Titre de l'article :

> The Questionable Contribution of Medical Measures to the Decline of Mortality in the United States in the Twentieth

> https://archive.org/details/McKinlayQuestionableContribution

Archive:

https://drive.google.com/o pen?id=1N9Vt2A2iPPZW Hkwc 04IEMN1dIwEs65

O

Auteur principal/Année:

John B. McKinlay, 1977 The Milbank Memorial Fund Quarterly. Health and

Society

#### P. 11:

Between 1900 and 1973, there was a 69.2 percent decrease in overall mortality... Of the total fall in the standardized death rate between 1900 and 1973, 92.3 percent occurred prior to 1950... A major part of the decline in deaths from these causes since about 1900 may be attributed to the virtual disappearance of these infectious diseases.

23 Désignation abrégée : Archive: https://drive.google.com/open?id=1N9Vt2A2iPPZWHkwc 04I McKinlay 1977 EMN1dIwEs65Q P. 15, tableau 1

24 Nom de la page : Archive: Diphtheria, Tetanus, and Pertussis: Recommendations for http://archive.is/ETeaO Vaccine Use and Other Preventive Measures Recommendations of the Immunization Practices Advisory Committee (ACIP) Site Internet : CDC https://www.cdc.gov/mmwr/preview/mmwrhtml/00041645.htm The introduction and widespread use of standardized whole-cell pertussis vaccines combined with diphtheria and tetanus toxoids (DTP) in the late 1940s resulted in a substantial decline in pertussis disease, a decline which continued without interruption for nearly 30 years. Nom de la page : Archive: Pink Book - Diphtheria http://archive.is/4Tzlw Site Internet: CDC https://www.cdc.gov/vaccines/pubs/pinkbook/dip.html

25 Désignation abrégée : Archive: McKinlay 1977 https://drive.google.com/open?id=1N9Vt2A2iPPZWHkwc 04I EMN1dIwEs65Q P. 15, tableau 1

A more rapid decrease began with the widespread use of diphtheria toxoid in the late 1940s.

26 Désignation abrégée : Archive: McKinlay 1977 https://drive.google.com/open?id=1N9Vt2A2iPPZWHkwc 04I EMN1dIwEs65O

P. 22:

In general, medical measures (both chemotherapeutic and prophylactic) appear to have contributed little to the overall decline in mortality in the United States since about 1900 having in many instances been introduced several decades after a marked decline had already set in and having no detectable influence in most instances.

27 Titre de l'article : PMID: Trends in infectious disease mortality in the 9892452 United States during the 20th century Archive: https://jamanetwork.com/journals/jama/fullarti https://drive.google.com/open?id=1UuaAf cle/768249 Ob3muFxfYgq-yGf3DsV1am1VjCM Auteur principal/Année: Revue: Gregory L. Armstrong, 1999 **JAMA** 

28 Désignation abrégée : Archive: Armstrong 1999 https://drive.google.com/open?id=1UuaAfOb3muFxfYgqyGf3DsV1am1VjCM P. 6: ...no other surveillance data can match the completeness and longevity of mortality data. 29 Désignation abrégée : Archive: https://drive.google.com/open?id=1UuaAfOb3muFxfYgq-Armstrong 1999 yGf3DsV1am1VjCM P. 3, schéma 1

30 Nom de la page :

Diphtheria, Tetanus, and Pertussis: Recommendations for Vaccine Use and Other Preventive Measures Recommendations of the Immunization Practices Advisory Committee (ACIP)

Archive:

http://archive.is/ETeaO

Site Internet:

**CDC** 

https://www.cdc.gov/mmwr/preview/mmwrhtml/00041645.htm

The introduction and widespread use of standardized whole-cell pertussis vaccines combined with diphtheria and tetanus toxoids (DTP) in the late 1940s resulted in a substantial decline in pertussis disease, a decline which continued without interruption for nearly 30 years.

31 Désignation abrégée : Archive: Armstrong 1999 https://drive.google.com/open?id=1UuaAfOb3muFxfYgqyGf3DsV1am1VjCM Graphique original p. 4, graphique 3

32 Désignation abrégée : Archive :

https://drive.google.com/open?id=1UuaAfOb3muFxfYgq-Armstrong 1999

yGf3DsV1am1VjCM

Graphique original p. 5, graphique 4C. Le graphique original inclut la polio.

33 Désignation abrégée : Archive:

> Armstrong 1999 https://drive.google.com/open?id=1UuaAfOb3muFxfYgq-

yGf3DsV1am1VjCM

Graphique original p. 5, graphique 4B

34 Titre de l'article : PMID:

health of Americans during the 20th century

Annual summary of vital statistics: trends in the 11099582

Auteur principal/Année : Revue: Bernard Guyer, 2000 **Pediatrics** 

P. 8-9:

For children older than 1 year of age, the overall decline in mortality experienced during the 20th century has been spectacular. [...] Nearly 85% of this decline took place before World War II, a period when few antibiotics or modern vaccines and medications were available.[...] Once again, nearly 90% of the decline in infectious disease mortality among US children occurred before 1940, when few antibiotics or vaccines were available.

P. 10:

Vaccination, while first used in the 18th century, became more widely implemented in the middle part of the century. Vaccines against diphtheria, tetanus, and pertussis became available during the late 1920s but only widely used in routine pediatric practice after World War II. Thus vaccination does not account for the impressive declines in mortality seen in the first half of the century.

Public Health England

35 Archive: Données sur la mortalité due à la coqueluche. https://drive.google.com/open Titre du document : ?id=1yxE1tZ--Pertussis notifications and deaths, England and Wales: 8Of74FPpCebxW-1940 - 2014mpRWqfvOkC https://www.gov.uk/government/publications/whoopingcough-pertussis-statistics Auteur principal/Année: NHS Données sur la mortalité due à la rougeole. Archive: http://archive.is/8YVzg Nom de la page : Measles notifications and deaths in England and Wales: 1940 to 2016 https://www.gov.uk/government/publications/measlesdeaths-by-age-group-from-1980-to-2013-onsdata/measles-notifications-and-deaths-in-england-andwales-1940-to-2013 Site Internet:

36 Titre de l'article : PMID: A Century of Changes in the Mortality and 21032289 Incidence of the Principal Infections of Archive: Childhood https://drive.google.com/open?id=1c291 https://www.ncbi.nlm.nih.gov/pmc/articles/PM gAXasOhKEMg3Nxu7Z8i1sJ1w7DDk C1987926/ Auteur principal/Année : Revue: AH Gale, 1945 Archives Of Disease In Childhood P. 1: ...the information about mortality is so much more complete and goes back so much further than does that about incidence.

37 Titre du document : Archive: Annual Summary 1979 https://drive.google.com/open?id=1NgxD Reported Morbidity and Mortality in the <u>UuXCDNgNzFwBovBkn7186ThcIrUQ</u> United states Auteur principal/Année: CDC, 1980 P. 5: In 1893, an act provided for collection of information on a weekly basis... It was not until 1925, however, that that all states began to report regularly.

38 Titre du document : Archive: Annual Summary 1979 https://drive.google.com/open?id= 1NgxDUuXCDNgNzFwBovBkn7 Reported Morbidity and Mortality in the United states 186ThcIrUQ Auteur principal/Année: CDC, 1980 P. 6: These data should be interpreted with caution[...]. Despite these limitations the data in this report have proven to be useful in the analysis of trends.

39 Titre du document :

Annual Summary 1979 Reported Morbidity and Mortality in the United states

Archive:

https://drive.google.com/open?id=1NgxDUu XCDNgNzFwBovBkn7186ThcIrUQ

Auteur principal/Année:

CDC, 1980

Les données officielles de la morbidité aux États-Unis pour les années 1930-1979 figurent aux pages 19-23. À part pour les années 1970, les données sont présentées en nombre total de cas, plutôt qu'en pourcentage de la population.

40 Nom de la page :

Diphtheria

Archive:

http://archive.is/I9Uwf

Site Internet:

**NHS** 

http://www.nhs.uk/conditions/diphtheria/pages/introduction.aspx

Before a vaccination programme was introduced in 1940, diphtheria was a very common condition and one of the leading causes of death in children.

## 41-60

41 Nom de la page :

Notifiable diseases: historic annual totals

Cases of infectious diseases: annual total figures from 1912 to

2017

https://www.gov.uk/government/publications/notifiable-diseaseshistoric-annual-totals

Site Internet:

GOV.UK

Archive:

http://archive.is/2zzwJ

42 Voir les données officielles de morbidité – États-Unis (référence 39) et Royaume-Uni (référence 41). La fièvre typhoïde apparaît également dans le tableau sous les noms de fièvres paratyphoïdes et de fièvre entérique.

43 Titre du livre :

Vaccines (6e édition)

Publié par Elsevier Saunders https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5

Auteur principal/Année:

Stanley Plotkin, 2013

P. 789:

There probably is no other widely used vaccine that is as controversial as BCG. Its effects in extremely large, randomized, controlled, and case-control studies have been widely disparate, in some cases demonstrating a great degree of protection and in others offering no benefit.

44 Voir les données officielles sur la morbidité – États-Unis (réf. 39) et Royaume-Uni (réf. 41).

#### 45 Nom de la page :

Childhood Vaccination and the NHS

https://peopleshistorynhs.org/encyclopaedia/childhoodvaccination-and-the-nhs/

Site Internet:

People's History of the NHS

Indeed, by the end of 1950 BCG vaccination programmes were operating in earnest throughout Scotland and had spread nationwide by early 1953.

#### 46 Titre du livre :

Vaccines (6<sup>e</sup> édition)

Publié par Elsevier Saunders <a href="https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-">https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-</a> 0090-5

Auteur principal/Année :

Stanley Plotkin, 2013

#### P. 789:

The bacille Calmette-Gurin (BCG) vaccines [...] have been used routinely since the 1960s in almost all countries of the world except the United States and the Netherlands.

#### 47 Données sur la mortalité due à la rougeole.

Nom de la page :

Measles notifications and deaths in England and Wales: 1940 to 2016

https://www.gov.uk/government/publications/measles-deaths-byage-group-from-1980-to-2013-ons-data/measles-notificationsand-deaths-in-england-and-wales-1940-to-2013

Archive:

Archive:

http://archive.is/Ezq6V

http://archive.is/8YVzg

#### Site Internet:

Public Health England

#### 48 Voir les données officielles sur la morbidité – États-Unis (réf. 39).

#### 49 Nom de la page :

Elimination of Malaria in the United States (1947 — 1951)

Archive:

http://archive.is/7B0E

#### Site Internet:

**CDC** 

https://www.cdc.gov/malaria/about/history/elimination\_us.html

The National Malaria Eradication Program was a cooperative undertaking by state and local health agencies of 13 southeastern states and the Communicable Disease Center of the U.S. Public Health Service, originally proposed by Dr. L. L. Williams. The program commenced operations on July 1, 1947. It consisted primarily of DDT application to the interior surfaces of rural homes or entire premises in counties where malaria was reported to have been prevalent in recent years... Total elimination of transmission was slowly achieved. In 1949, the country was declared free of malaria as a significant public health problem.

#### 50 Titre de l'article :

Penicillin Treatment of Syphilis

http://jamanetwork.com/journals/jama/fullarticle/ 183391

PMID: 19224755

Archive:

http://archive.is/8Uckh

Auteur principal/Année : Revue: John M. Douglas, 2009 **JAMA** 

Within years, widespread use of penicillin for treatment of all stages of syphilis (primary. secondary, tertiary, latent) resulted in dramatic decreases in the incidence of syphilis and associated mortality.

From 1944 to 1954, rates of reported cases of syphilis of any stage decreased by more than 75% (from 368/100 000 to 83/100 000) with even greater declines in primary and secondary syphilis (from 62/100 000 to 4.5/100 000), which reflect more recent acquisition.

#### 51 Titre du livre :

Corn and Capitalism: How a Botanical Bastard Grew to Global Dominance https://books.google.co.il/books?id=cRnjAOAAOBAJ&pg=PA172#v=onepage&g&f=false

### Auteur principal/Année:

Arturo Warman, 2003

#### P. 171-172:

In 1915 the number of the stricken was estimated at between 75,000 and 160,000.

The tendency for the number of those affected by pellagra to climb turned the corner during the same period. In 1940 pellagra sufferers were estimated at fewer than 50,000 and their numbers fell by half over the next five years. In the 19505 pellagra became a clinical curiosity, a disease of the past.

#### 52 Titre du livre :

Vaccines (6<sup>e</sup> édition)

Publié par Elsevier Saunders https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5

#### Auteur principal/Année:

Stanley Plotkin, 2013

#### P. 1407:

There is little doubt that the introduction of routine tetanus toxoid vaccination in the 1940s had an impact on trends and patterns of the disease. However, because the incidence of tetanus was declining prior to widespread vaccination, as a result of decreasing exposure (fewer people in contact with soil and animal feces, which are the main reservoirs of the tetanus bacillus), and because of the widespread use of tetanus toxoid in wound management, it is difficult to assess the extent to which routine prophylactic vaccination contributed to the decline in tetanus morbidity.

53 Voir les données officielles sur la morbidité – États-Unis (réf. 39) et Royaume-Uni (réf. 41).

54 Désignation abrégée : Lien: McKeown 1972

https://www.jstor.org/stable/2173815

From the nineteenth century the contribution of improved food supplies to the reduction of mortality was supported by that of other influences: a general increase in the standard of living; better hygiene; and specific preventive and therapeutic measures introduced progressively during the twentieth century.

Désignation abrégée : Archive:

https://drive.google.com/open?id=1UuaAfOb3muFxfYgq-Armstrong 1999

yGf3DsV1am1VjCM

P. 4:

From the nineteenth century the contribution of improved food supplies to the reduction of mortality was supported by that of other influences: a general increase in the standard of living; better hygiene; and specific preventive and therapeutic measures introduced progressively during the twentieth century.

Titre de l'article :

Annual summary of vital statistics: trends in the health of Americans during the 20th century

PMID: 11099582

Auteur principal/Année: Bernard Guyer, 2000

Revue: **Pediatrics** 

### P. 10:

The major declines in child mortality that occurred in the first third of the 20th century have been attributable to a combination of improved socioeconomic conditions in this country and the public health strategies to protect the health of Americans. These public health measures included the establishment of local health departments in nearly all of the states. State and local health departments implemented these public health measures including water treatment, food safety, organized solid waste disposal, and public education about hygienic practices. These improvements in water and food safety and purity are linked to the major decline in diarrheal diseases seen in the early years of the century. Similarly, improvements in housing and decreased crowding in US cities are linked to the reductions in mortality from tuberculosis and other diseases attributable to person-to-person airborne transmission..

55

Titre de l'article :

Archive: Urban Wastewater Management in the United

States: Past, Present, and Future

http://wvwv.sewerhistory.org/articles/whregion/ur ban wwm mgmt/urban wwm mgmt.pdf

https://drive.google.com/open?id=1VP eNmgPhp0L2lxxWa33zYdLHx3Mx8-<u>fY</u>

Auteur principal/Année : Revue:

Steven J.Burian, 2000 Journal of Urban Technology

P. 4:

There were fewer public sewers than private in the early nineteenth century, and most were constructed primarily for the purpose of removing storm water... Dry sewage systems and public and private sewers were commonly used in Europe and the United States, but the predominant wastewater management technology in the first half of the nineteenth century was the privy vault-cesspool system operated in a decentralized manner. Privy vaults and cesspools were basically holes in the ground, occasionally lined, constructed in cellars, beneath residences, or within close proximity to residences.

Désignation abrégée : Burian 2000

Archive:

https://drive.google.com/open?id=1VPeNmgPhp0L2lxxWa33z

YdLHx3Mx8-fY

### P. 4-5:

The unplanned and uncontrolled drainage of wastewater from privy vaults and cesspools contaminated soils and groundwater, and that occasionally led to contaminated drinking water and disease outbreaks.

[...]

Wastes accumulated till privies and cesspools overflowed and produced nuisance conditions and potential public health problems. In most cases, both lined and unlined privy vaults and cesspools proved unable to manage urban wastewater effectively during the mid-nineteenth century because the lined ones required too frequent cleaning to be cost effective over a long term, and the unlined ones contaminated groundwater and the surrounding soil.

None of the centralized or decentralized management technologies implemented during the early nineteenth century consistently prevented contamination of nearby surface water or groundwater.

[...]

From 1820 to 1880, most major cities in the United States experienced considerable growth. For example, during this time Boston's population increased eightfold, New York City's tenfold, Philadelphia's thirteen fold, and Washington, D.C.'s fivefold. As a result of this increased population density in urban areas, the decentralized privy vault-cesspool wastewater management systems became overtaxed.

### 57

Désignation abrégée :

Archive:

Szreter 1988

https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIj

### P. 20-21:

This followed a long period of extremely harmful, highly localized initiatives by the property-owning classes. They were the first to install their own water-flushing closets in large numbers from the 1770s onwards; but in the absence of a mains sewage system, these were simply allowed to empty into the nearest culvert or river, from which much of the town's population in turn took their drinking water. Unfortunately, this development was to be repeated in other cities and towns around the country in the course of the nineteenth century. The lethal lesson was only slowly learned that selective sanitation for the upper classes alone was not a sufficient panacea in the prevention of water-borne disease.

Désignation abrégée :

Archive:

Burian 2000

https://drive.google.com/open?id=1VPeNmgPhp0L2lxxWa33z

YdLHx3Mx8-fY

### P. 6:

The water closet probably had the most significant effect on wastewater management compared to the other plumbing fixtures because it increased not only wastewater quantity, but also the quantity of fecal matter in discharges. The high level of fecal matter being discharged with the wastewater heightened the risk of disease transfer and outbreak, but this was not understood at the time.

### 58

Désignation abrégée :

Archive:

Burian 2000

https://drive.google.com/open?id=1VPeNmgPhp0L2lxxWa33z YdLHx3Mx8-fY

### P. 8:

Dr. Snow recorded the location of outbreaks during the [1854] epidemic and charted the drinking water source of infected individuals. He was able to show statistically that cholera victims drew their drinking water from a sewage-contaminated part of the River Thames, while those who remained healthy drew their water from an uncontaminated part.

Désignation abrégée : Archive:

> Szreter 1988 https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIj

### P. 21:

Sewering alone, without commensurate attention to the purity of the water supply, could prove a downright liability, as was tragically demonstrated by London's final cholera epidemic of 1866-7, immediately following the completion of London's sewers system. This was the last such epidemic and it was the famous occasion on which William Farr was able, using a method pioneered at the previous outbreak of 1853/4, to trace precisely the culprit. By dividing London into districts according to the different companies supplying water, the problem was narrowed down to the East London Waterworks Co., who were illegally supplying water from the Old Ford reservoir in Bethnal Green, which was contaminated by the recently completed West Ham sewage system.

60 Désignation abrégée :

Archive:

Burian 2000 https://drive.google.com/open?id=1VPeNmgPhp0L2lxxWa33z

YdLHx3Mx8-fY

### P.8:

Prodded by public outcry... that linked sewage-polluted water with disease, Parliament passed an act in 1855 to improve the waste management of the metropolis. This act provided the foundation for the development of London's comprehensive water-carriage sewer system eventually designed by Joseph W. Bazalgette.

### 61-80

61

Archive:

Burian 2000

Désignation abrégée :

https://drive.google.com/open?id=1VPeNmgPhp0L2lxxWa33z

YdLHx3Mx8-fY

### P. 8:

In the United States, repeated cholera epidemics and other disease outbreaks gradually influenced municipalities to improve sanitation practices. Between 1832 and 1873, numerous American cities were afflicted with major outbreaks of disease, including cholera in 1832, 1849, and 1866 and typhoid in 1848. The causes of the outbreaks were attributed to a variety of reasons including unsanitary conditions and punishment from God. The experience gained from the epidemics improved the understanding of cholera and other diseases and their corresponding etiology.

### P. 14:

At the end of the nineteenth century, the basic techniques of urban wastewater collection were established, the sewer technologies were mostly developed, and the necessary construction materials and equipment were available. By that time, most major U.S. cities had also constructed some form of a sewer system.

62

Titre de l'article :

The role of public health improvements in health advances: The twentieth-century United

https://link.springer.com/article/10.1353/dem.2005.0002

Auteur principal/Année: Revue: David Cutler, 2005 Demography

P. 5, chapitre « Clean Water Technologies: Filtration and Chlorination »

### 63 Titre

Titre de l'article:

The role of public health improvements in health advances: The twentieth-century United States

https://link.springer.com/article/10.1353/dem.2005.0002

Auteur principal/Année : Revue : David Cutler, 2005 Demography

P. 15-16:

A striking finding is that clean water technologies appear to have reduced typhoid fever by 26% initially and by another 65% after five years, leading to its near-eradication by 1936.

### 64

Désignation abrégée : Lien :

McKeown 1962 <a href="https://www.jstor.org/stable/2173119">https://www.jstor.org/stable/2173119</a>

P. 25-26:

But with this reservation there is little doubt about the main reasons for the rapid reduction of mortality from the bowel infections in the late nineteen century... We therefore conclude that the reduction of mortality attributable to the decline of bowel infection resulted from the specific measures introduced under the sanitary revolution.

Désignation abrégée : Lien :

McKeown 1975 <a href="http://www.jstor.org/stable/2173935">http://www.jstor.org/stable/2173935</a>

### P. 27:

WATER- AND FOOD-BORNE DISEASES Together, these infections accounted for about one-sixth (16-4 per cent) of the reduction in mortality from all causes (Table 4). The same diseases were responsible for about one-third of the total decline in the nineteenth century.

### 65

Désignation abrégée : Archive :

Szreter 1988 <u>https://drive.google.com/open?id=1c8AaRwdKf2O1On-</u>

VT0pI34G8xCEBWOIj

### P. 18:

There can be little doubt that the first two-thirds of the nineteenth century witnessed an increasing incidence of such diseases, which was directly attributable to the unplanned proliferation of overcrowded cities and towns lacking even the most basic sanitary facilities such as proper water supply and waste disposal systems. Conversely, the ensuing disappearance of water-borne diseases in the last third of the century was due to the eventual provision of adequate sanitary facilities, long delayed but finally implemented.

### 66

Titre de l'article :

The Horse & the Urban Environment <a href="https://enviroliteracy.org/environment-society/transportation/the-horse-the-urban-environment/">https://enviroliteracy.org/environment-society/transportation/the-horse-the-urban-environment/</a>

Archive:

https://drive.google.com/open?id=1Kfk 5osa-wcmHc0f9R5nfynqmavChV5ug

### Auteur principal/Année :

Joel Tarr, 1997

### P. 1:

The most severe problem was that caused by horses defecating and urinating in the streets, but dead animals and noise pollution also produced serious annoyances and even health problems. The normal city horse produced between fifteen and thirty-five pounds of manure a day and about a quart of urine, usually distributed along the course of its route or deposited in the stable. While cities made sporadic attempts to keep the streets clean, the manure was everywhere, along the roadway, heaped in piles or next to stables, or ground up by the traffic and blown about by the wind.

Nom de la page :

Tetanus

Archive:

http://archive.is/mFSuM

Site Internet:

NHS Wales

http://www.nhsdirect.wales.nhs.uk/encyclopaedia/t/article/tetanus/

Tetanus is caused by bacteria called Clostridium tetani. These bacteria can survive for a long time outside the body, and are commonly found in soil and the manure of animals such as horses and cows.

Nom de la page :

Tetanus

Archive:

http://archive.is/pNRwR

Site Internet:

Victoria State Government – Better Health

https://www.betterhealth.vic.gov.au/health/healthyliving/tetanus

Tetanus bacteria live in soil, dust and manure, particularly horse manure.

68

Désignation abrégée :

Tarr 1997

Archive:

https://drive.google.com/open?id=1Kfk5osa-

wcmHc0f9R5nfynqmavChV5ug

### P. 1:

Manure piles also produced huge numbers of flies, in reality a much more serious vector for infectious diseases such as typhoid fever than odors. By the turn of the century public health officials had largely accepted the bacterial theory of disease and had identified the "queen of the dung-heap" or fly, as a major source. Inventors and city officials devised improved methods of street cleaning and street sweeping became a major urban expense.

69

Désignation abrégée :

Archive:

Tarr 1997

https://drive.google.com/open?id=1Kfk5osa-

wcmHc0f9R5nfynqmavChV5ug

### P. 2:

If the horse created many problems for the city, it was also true that urban life was extremely hard on the horse. The average streetcar horse had a life expectancy of about four years... In 1880, New York City removed 15,000 dead horses from its streets, and late as 1916 Chicago carted away 9,202 horse carcasses. Special trucks were devised to remove dead horses.

70

Désignation abrégée :

Archive:

Tarr 1997

https://drive.google.com/open?id=1Kfk5osa-

wcmHc0f9R5nfynqmavChV5ug

### P. 2-3:

It has already been noted that, while horse-powered machines persisted in manufacturing until about 1850, they were largely replaced by other energy sources in the following decade.

[...]

The next use of urban horses to disappear was pulling streetcars. Their demise was very rapid, as between 1888 and 1892 almost every street railway in the U.S. was electrified.

[...]

The coming of the automobile dealt another large blow to the horse...

### 71 Titre de l'article :

Charles-Jules-Henri Nicolle

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2 819868/

PMID: PMC2819868

Archive:

https://drive.google.com/open?id=18kd BvjD2UKLU8rEZNmYKPM3ahYvcq

Auteur principal/Année : Revue:

Myron G. Schultz, 2009 **Emerging Infectious Diseases** 

### P. 1:

Throughout history, typhus had been a highly communicable and frequently fatal disease... It devastated armies during wars ("war typhus") and prisoners living under unsanitary conditions ("jail typhus" or "jail fever"); it affected displaced populations suffering from famine, floods, and other natural disasters; and in general, it was a disease of poverty.

### 72 Titre de l'article :

Charles-Jules-Henri Nicolle https://www.ncbi.nlm.nih.gov/p mc/articles/PMC2819868/

### PMID:

PMC2819868

Archive:

https://drive.google.com/open?id=18kdBvjD2UKLU8rE

ZNmYKPM3ahYvcq47z

Auteur principal/Année:

**Emerging Infectious Diseases** 

Revue:

Myron G. Schultz, 2009

### P. 2:

Nicolle observed that typhus patients who were admitted spread their infections to others up to the point at which they entered the hospital waiting room. Included among these secondary cases were persons who took charge of their clothing. However, patients became completely noninfectious as soon as they were bathed and dressed in a hospital uniform. They could then enter the general wards without posing a risk to others. Once Nicolle realized this, he reasoned that lice on patients' clothes were most likely the vectors.

### 73

Désignation abrégée :

Archive:

Szreter 1988

https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIi

### P. 13:

Droplet-transmitted airborne diseases will spread most effectively where humans are in close and unventilated proximity with the exhalations of victims or carriers. It is most probable that overcrowded conditions of living, sleeping, and working became more prevalent as industrialization and urbanization intensified.

### 74

Désignation abrégée :

Archive:

Szreter 1988

https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIj

Szreter le mentionne dans le contexte des maladies infantiles.

... the root of the general problem of infants' vulnerability lay in the fundamentally unhygienic

conditions and associated practices of the urban working-class home, virtually inevitable in small overcrowded households lacking their own water supply and water closet. Until it began to be improved from the 1890s onwards, such an environment was continuously introducing infants to bacterial organisms (in particular some strains of Escherichia coli) which, although not harmful to the

more developed digestive system of elder children and adults, could produce fatal diarrhea attacks ininfants.

### Titre de l'article :

Food in 19th-Century American Cities

Auteur principal/Année : Revue :

Cindy R. Lobel, 2016 Oxford Research Encyclopedia of American History

### P. 1:

Food provisioning was very local. Farmers, hunters, fishermen, and dairymen from a few miles away brought food by rowboats and ferryboats and by horse carts to centralized public markets within established cities. Dietary options were seasonal as well as regional.

### 76

### Désignation abrégée :

### Archive:

Lobel 2016

http://americanhistory.oxfordre.com/view/10.1093/acrefore/9780199329175.001.0001/acrefore-9780199329175-e-281

### P. 11:

Before refrigeration and reliable transportation, perishable foods were scant in the diet of most urbanites. Even the wealthiest were accustomed to eating spoiled or rancid food or forgoing fresh produce in the colder months.

### P. 6:

The summer months were most abundant and diverse, with stone fruits, berries, apples, tomatoes, watermelons, lettuces, and other warm-weather produce crowding the tables under the market-house roofs. Food also spoiled quickest in these months, and observers noted the rapidity with which meat spoiled and vegetables wilted.

### P. 12:

As for fresh vegetables, they were not commonly consumed in the 1800s, though the diet expanded to incorporate them by the second half of the century... Fruits also were more commonly eaten in stewed and dessert forms rather than fresh.

### 77

### Désignation abrégée :

### Lien:

McKeown 1975

http://www.jstor.org/stable/2173935

### P. 25

Epidemiological evidence suggests that nutrition plays an important part in the individual's reaction to measles. In this country, until recently, infection rates were high and approximately the same in all social classes; but mortality rates were much greater among the poor than among the well-to-do. Similarly, in developing countries to-day, there is little doubt that the devastating effects of measles are associated with low living standards. The explanation accepted by most epidemiologists with extensive experience of measles is that although infection rates are largely independent of social circumstances, the mortality which results from the infection is determined mainly by nutritional state.

### 78 Désignation abrégée : Archive:

Lobel 2016

http://americanhistory.oxfordre.com/view/10.1093/acrefore/978 0199329175.001.0001/acrefore-9780199329175-e-281

### P. 2:

A host of technological developments—from canal and railroad building to the manufacturing of ice and the creation of refrigerated railcars—indelibly altered urban American foodways during the 19th century. The most crucial of these developments involved new forms of transportation that eased and cheapened the carriage of foodstuffs from rural to urban areas.

### P. 3:

The new transportation networks also improved the quality of food entering American cities... Foods that previously had perished during travel along rudimentary roads now endured long distances without spoiling. Railroads carried milk from rural areas to far-off cities, oysters from New York City to Buffalo, wild game from Iowa to Baltimore, salmon from Maine to Philadelphia, even lobster from the East Coast to Chicago.

### 79 Désignation abrégée :

Lobel 2016

Archive:

http://americanhistory.oxfordre.com/view/10.1093/acrefore/978 0199329175.001.0001/acrefore-9780199329175-e-281

### P. 3:

Technologies related directly to food storage, preservation, and processing also contributed to the transformation of urban food habits. Among the most important were those involved in the commercial production and storage of ice.

### 80 Désignation abrégée :

Lobel 2016

### Archive:

http://americanhistory.oxfordre.com/view/10.1093/acrefore/978 0199329175.001.0001/acrefore-9780199329175-e-281

### P. 4:

Food-safety issues arose periodically over the course of the 19th century because of the absence of any regulation of large conglomerates or small, food-related businesses. The milk supply was of particular concern, as distilleries in places like New York, Chicago, and Cincinnati paired with dairies within the city limits.

# 81-100

### 81 Nom de la page :

About FDA - Part I: The 1906 Food and Drugs Act and Its Enforcement

Archive:

http://archive.is/A0SeF

### Site Internet:

https://www.fda.gov/AboutFDA/History/FOrgsHistory/EvolvingPowers/ucm054819.htm

82 Désignation abrégée : Archive:

> Szreter 1988 https://drive.google.com/open?id=1c8AaRwdKf2O1On-

> > VT0pI34G8xCEBWOIj

### P. 24-25:

Another example is that of the increasingly close regulation of the quality of the urban food supply, which duly resulted from the attention which Medical Officers in the 1860s had begun to pay to adulterated and defective foodstuffs, particularly meat and milk, as a source of disease. The Adulteration of Foods Acts followed in the 1870s, leading to the appointment of professional inspectors and public analysts by most local authorities in the 1880s; also Weights and Measures Acts in 1878 and 1889 and a final consolidating Sale of Food & Drugs Act 1899.

83 Nom de la page : Archive:

> A history of medicine – Modern Medicine http://archive.is/7ONEG

Site Internet: Medical News Today

http://www.medicalnewstoday.com/info/medicine/modern-medicine.php

84 Désignation abrégée : I ien ·

> McKeown 1972 https://www.jstor.org/stable/2173815

### P. 7:

Virtually nothing was known about the aetiology and natural history of disease before the late nineteenth century. Effective measures were few and their use was largely misunderstood. Surgery was limited without anaesthesia and dangerous without knowledge of antisepsis. In the absence of understanding of the nature of infectious disease and the mechanisms by which it spreads, there were inevitable risks associated with hospital care, when patients, some of whom were infected, were brought in to close contact with one another.

85 Nom de la page : Archive:

Medicine In The 20th Century http://archive.is/DCGLC

Site Internet :

Encyclopedia Britannica

https://www.britannica.com/topic/history-of-medicine/Medicine-in-the-20th-century

[In early 1900s] There was still little to be done for the victims of most infectious organisms beyond drainage, poultices, and ointments, in the case of local infections, and rest and nourishment for severe diseases.

86 Désignation abrégée : Archive:

> Szreter 1988 https://drive.google.com/open?id=1c8AaRwdKf2O1On-

VT0pI34G8xCEBWOIi

### P. 2:

This work achieved something of a conceptual revolution in the disciplines of history and medicine, overturning a long-standing general orthodoxy regarding the importance of medical science and the medical profession in bringing about the decline in mortality which accompanied industrialization in Britain. It effectively demonstrated that those advances in the science of medicine which form the basis of today's conventional clinical and hospital teaching and practice, in particular the immuno- and chemo-therapies, played only a very minor role in accounting for the historic decline in mortality levels.

Désignation abrégée :

Lien:

https://www.jstor.org/stable/2173119

The practice of grouping as "medical advances" both therapy and environmental measures is undesirable not only because the latter were by no means exclusively the work of medical men. These two classes of influence differ grossly in their nature and effectiveness, and for interpretation of trends in the nineteenth century it is essential that they should be considered separately.

### 88

Titre de l'article :

McKeown 1962

The McKeown Thesis: A Historical Controversy and Its Enduring Influence

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1

447153/

PMID: 11988435

Archive:

https://drive.google.com/open?id=1k4u ypinpP1qhajclU-Uc Q5o8qwphlJt

Auteur principal/Année :

James Colgrove, 2002

American Journal of Public Health

P. 4:

The consensus among most historians about the McKeown thesis a quarter century after it first stirred controversy is that one narrow aspect of it was correct—that curative medical measures played little role in mortality decline prior to the mid-20th century...

Revue:

### 89

Nom de la page :

Ten Great Public Health Achievements in the 20th Century

Archive:

http://archive.is/Lo3I

Site Internet:

CDC

https://www.cdc.gov/about/history/tengpha.htm

### 90

Nom de la page :

Achievements in Public Health, 1900-1999: Control of Infectious Diseases

Archive:

http://archive.is/Zj4lp

Site Internet:

CDC

https://www.cdc.gov/mmwr/preview/mmwrhtml/mm4829a1.htm

By 1900, however, the incidence of many of these diseases had begun to decline because of public health improvements, implementation of which continued into the 20th century. Local, state, and federal efforts to improve sanitation and hygiene reinforced the concept of collective "public health" action (e.g., to prevent infection by providing clean drinking water).

### 91

Titre du document :

Immunization Safety Review: Multiple Immunizations and Immune Dysfunction

https://www.nap.edu/catalog/10306/immunizationsafety-review-multiple-immunizations-and-immunedysfunction

Archive:

https://drive.google.com/open?id= 1QujT3DieBvlChf3vi4h18hjK1O Qzx4Cp

### Auteur principal/Année :

IOM, 2002

### P. 7 (22):

In any case, the number of infections prevented by immunization is actually quite small compared with the total number of infections prevented by other hygienic interventions such as clean water, food, and living conditions.

92 Nom de la page :

Five Important Reasons to Vaccinate Your Child

Archive:

http://archive.is/AF6HN

Site Internet :

Vaccines.gov

https://www.vaccines.gov/more info/features/five-important-reasons-to-vaccinate-yourchild.html

Because of advances in medical science, your child can be protected against more diseases than ever before. Some diseases that once injured or killed thousands of children, have been eliminated completely and others are close to extinction - primarily due to safe and effective vaccines.

93 Un exemple typique:

Titre de l'article :

Historical Comparisons of Morbidity and Mortality for Vaccine-Preventable Diseases in the United States

https://jamanetwork.com/journals/jama/ful larticle/209448

Auteur principal/Année: Revue: **JAMA** 

Archive:

PMID: 18000199

https://drive.google.com/open?id=1nSuvGi5SAWi39wJ00oGlx0EWWiCb9v

Sandra W. Roush, 2007

94 Nom de la page :

Medical Definition of Chronic disease

Archive:

http://archive.is/q3URx

Site Internet :

MedicineNet.com

http://www.medicinenet.com/script/main/art.asp?articlekey=33490

Chronic disease: A disease that persists for a long time. A chronic disease is one lasting 3 months or more, by the definition of the U.S. National Center for Health Statistics. Chronic diseases generally cannot be prevented by vaccines or cured by medication, nor do they just disappear.

95 Titre de l'article :

Trends in Childhood Disability

https://www.ncbi.nlm.nih.gov/pmc/articles /PMC1651471/pdf/amjph00626-0040.pdf

PMID: 6230017

Archive:

https://drive.google.com/open?id=10cA6x A9

xIhBojRWvqPn8ru0YNa6manG

Auteur principal/Année: Revue:

Paul W. Newacheck, 1984 American Journal of Public Health

P. 2, tableau 1

### 96 Titre de l'article :

Childhood Chronic Illness: Prevalence, Severity,

and Impact

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1 694379/pdf/amjph00540-0038.pdf

PMID: 1536351

Archive:

https://drive.google.com/open?id=1-24wBSNubDTj7cBDBRqX8sEqLeiqA

Auteur principal/Année: Revue:

Paul W. Newacheck, 1992 American Journal of Public Health

Pour une raison guelconque, le chiffre du nombre d'enfants avant un problème chronique qui les limite dans les activités quotidiennes n'apparaît pas dans l'article. Cependant, il peut être calculé à partir du chiffre indiquant que 31 % des enfants ont un problème chronique quelconque (p. 4, tableau 2), dont 13,3 % avec une limitation dans les activités quotidienne (p. 5, tableau 5). Le taux de 4,1 % est une sous-estimation (par rapport à l'enquête de 1981), car l'enquête de 1988 ne comprenait pas les problèmes mentaux (p. 2).

### 97

Titre de l'article :

Prevalence and Impact of Disabling Chronic

Conditions in Childhood

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1 508436/pdf/amjph00016-0074.pdf

PMID: 9551003

Archive:

PMID:

25489027

Archive:

https://drive.google.com/open?id=1OH f6M1Ufbx71JtHf7mPyDxHuWPhX0f wv

Auteur principal/Année: Revue:

Paul W. Newacheck, 1998 American Journal of Public Health

On average, approximately 446 000 (0.7%) children younger than age 18 were estimated to be unable to conduct their major activity each year during 1992 through 1994, approximately 2726000 (4.0%) were limited in the kind or amount of their major activity, and about 1 224000 (1.8%) were limited in other activities. Thus, an annual average of 4 396000 (6.5%) children experienced some degree of disability.

### 98

Titre de l'article :

The Rise In Chronic Conditions Among Infants, Children, And Youth Can Be Met With

Continued

Health System Innovations

https://www.healthaffairs.org/doi/pdf/10.1377/hlt haff.2014.0832

https://drive.google.com/open?id=199b LfWqYYf0JFd2QRXSMhBU9nQFUH 2C2

Auteur principal/Année: Revue: James M. Perrin, 2014 Health Affairs

P. 3:

In 1960, 1.8 percent of children were reported to have a health condition severe enough to interfere with usual daily activities. In 2010, more than 8 percent of children had a health condition that interfered with daily activities—an increase of more than 400 percent in fifty vears.

### 99

Titre de l'article :

A National and State Profile of Leading Health Problems and Health Care Quality for US Children: Key Insurance Disparities and Across-State Variations

PMID:

21570014

Auteur principal/Année:

Revue:

Christina D. Bethell, 2011

Academic Pediatrics

# 101-120

P. 3

101	Titre de l'article : Dynamics of Obesity and Chror Conditions Among Children and <a href="https://jamanetwork.com/journae/185391">https://jamanetwork.com/journae/185391</a>	d Youth	PMID: 20159870  Archive: https://drive.google.com/open?id=1aO ddhiCdNzVF9PStJPMYU- 8lmuyhLDRY
	Auteur principal/Année : Jeanne Van Cleave, 2010 P. 4	Revue : JAMA	

102	Titre de l'article : So Young and So Many Pills	Date : 28 décembre 2010
	Site Internet : Wall Street Journal <a href="https://www.wsj.com/articles/SB10001424052970203731004">https://www.wsj.com/articles/SB10001424052970203731004</a> 576046073896475588	Archive: http://archive.is/IGY7m
	Titre de l'article : More than 25% of Kids and Teens in the U.S. Take Prescriptions on a Regular Basis	Date : 19 mai 2011
	Site Internet: IWB <a href="http://investmentwatchblog.com/more-than-25-of-kids-and-teens-in-the-u-s-take-prescriptions-on-a-regular-basis/">http://investmentwatchblog.com/more-than-25-of-kids-and-teens-in-the-u-s-take-prescriptions-on-a-regular-basis/</a>	Archive: http://archive.is/t9r1N
	Titre de l'article : Prescription drug use by US children on the rise	Date : 19 mai 2010
	Site Internet : Reuters http://www.reuters.com/article/medco-children-idUSN1924289520100519	Archive: http://archive.is/I3rfR

Titre de l'article :

Increasing Prevalence of Medically Complex Children in US Hospitals

https://pdfs.semanticscholar.org/0c08/f41f3061c c21f7e9a39202d1c7934c1762a6.pdf

PMID: 20855383

Archive:

https://drive.google.com/open?id=1GO anye2s01-

bEmNfkpRPcxRx4voVLNKE

Auteur principal/Année: Katherine H. Burns, 2010

Revue: **Pediatrics** 

### P. 3-4:

The hospitalization rates of children with diagnoses in a single CCC category increased by an average of 5.59% each year-group from 763.7 per 100 000 to 943.2 per 100 000 (P < .022). The hospitalization rates of children with diagnoses in more than 1 CCC category increased by an average of 17.6% each year-group and doubled from 83.7 per 100 000 in 1991–1993 to 166.3 per 100 000 in 2003–2005 (P < .001).

### 104

Titre de l'article :

Children With Complex Chronic Conditions in Inpatient Hospital Settings in the United States https://www.ncbi.nlm.nih.gov/pmc/articles/PM C2962571/pdf/nihms-238735.pdf

PMID: 20855394

Archive:

https://drive.google.com/open?id=1Kys bgd3eBzzF-BiPo-DJbaGvi3NsK9Sr

Auteur principal/Année: Tamara D. Simon, 2010

Revue: **Pediatrics** 

P. 5:

CCCs composed 10% of admissions, 25% of hospital days, 40% of hospital charges, 75% to 92% of technology-assistance procedures, and 43% of inpatient deaths among US children in 2006.

### 105

Nom de la page :

Asthma facts and statistics

Archive:

http://archive.is/RhF80

Site Internet:

Asthma.org

https://www.asthma.org.uk/about/media/facts-and-statistics/

One in 11 children in the UK has asthma.

### 106

Titre du document :

Diabetes: Facts and Stats

https://www.mrc.ac.uk/documents/pdf/diabetes-ukfacts-and-stats-june-2015/

The rise of childhood type 1 diabetes in the 20th

Archive:

https://drive.google.com/open?id= 1r7gv9E1GKXhyq4Vnqu Z6kjV

**MThtfyBH** 

Auteur principal/Année:

MRC, 2015

107 Titre de l'article : PMID:

12453886

century

Auteur principal/Année : Revue: Edwin A.M. Gale, 2002

Diabetes

The best evidence available suggests that childhood diabetes showed a stable and relatively low incidence over the first half of the 20th century, followed by a clear increase that began at some time around or soon after the middle of the century. This increase occurred around the same time in Scandinavia, the U.K., the U.S., and Sardinia but may have occurred later in other parts of the world.

Nom de la page :

Food allergy

Archive:

http://archive.is/7Ciz4

Site Internet:

NHS

http://www.nhs.uk/conditions/food-allergy/Pages/Intro1.aspx

Most food allergies affect younger children under the age of three. It's estimated around 1 in every 14 children of this age has at least one food allergy. [...]

For reasons that are unclear, rates of food allergies have risen sharply in the last 20 years.

109

Titre de l'article :

Trends in the incidence of type 1 diabetes among Jews and Arabs in Israel

PMID:

24283719

Auteur principal/Année : Orit Blumenfeld, 2014

Revue:

Pediatric Diabetes

P. 2:

The mean age-adjusted incidence increased by 52.6%, from 8.0 per 100,000 in 1997 to 13.2 per 100,000 in 2010.

110

Titre du document :

Health Status in Israel 2010 Report (Hebrew) <a href="https://www.health.gov.il/PublicationsFiles/Health\_S">https://www.health.gov.il/PublicationsFiles/Health\_S</a> tatus\_in\_Israel2010.pdf

Archive:

https://drive.google.com/open?id= 1RRmkP\_eUQJKC2XEGZ2ck4f GGHb71rsTu

Auteur principal/Année:

Israeli Department of Health, 2011

P. 236 (traduit de l'hébreu):

"In a 2008 survey, 7.9 percent of eighth-graders reported having asthma or spastic bronchitis at present, and 13.9 percent of Jewish and Arab students reported ever having asthma or spastic bronchitis."

111

Titre de l'article (traduit de l'hébreu) :

Research: A surge in the number of children

diagnosed with ADHD

Date:

13 janvier 2016

Archive:

http://archive.is/vsmuc

Site Internet:

**YNET** 

https://www.ynet.co.il/articles/0,7340,L-4752240,00.html

The researchers, led by Dr. Davidovich - Director of Child Development at Maccabi Health Services and a member of the Faculty of Medicine at Bar-Ilan University, found that if in 2005 6.8% of children were diagnosed with ADHD, then in 2014 there was a jump and the rate of diagnoses rose to 14.4% - that is, 1 in 7 children.

Nom du document (traduit de l'hébreu) :

The use of the drug Ritalin among students in the education system

### Archive:

https://drive.google.com/open?id=1 uCb1q406FDebqWqzof8aFnU0qa2 -Fu-f

### Auteur principal/Année:

Knesset [Israeli Parliamnet] Research Center, 2013

### P. 2 (traduit de l'hébreu):

"Our examination revealed that the education system does not have data on the number of students diagnosed with ADHD or patients taking Ritalin or its alternatives. The Ministry of Education publishes general guidelines regarding Ritalin treatment among students in schools, but emphasizes that this issue is the responsibility of the Ministry of Health. The Ministry of Health does not have accurate information on the number of students diagnosed with ADHD or on the number of students treated with Ritalin."

### 113

### Titre de l'article (traduit de l'hébreu) :

A lesson in sensitivity: Schools will work for allergic children

### Date:

2 décembre 2016

### Archive:

http://archive.is/WH2zR

### Site Internet:

Israel Today

http://www.israelhayom.co.il/article/432489

A step forward in integrating children with food allergies into the education system: A circular issued by the director general of the Ministry of Education this week defines that any class in which an allergic student studies will be declared a 'safe environment', to which the allergenic food component will be banned. In other classrooms, safety precautions will be taken, such as cleaning tables with wipes, to protect allergic students. The circular also defines that schools will also have alternative areas where it will be possible to eat food products that contain allergens, for the benefit of other students. [...]

It is estimated that in Israel there are about 15,000 children in the education system who suffer from allergies of various severity levels. About 2,600 children in first and second grades are assisted by personal assistants, but after this age the assistance is ceased.

### 114

Nom du document (traduit de l'hébreu) :

Presentation by the Ministry of Health and Education - Food Allergy

 $\frac{http://cms.education.gov.il/NR/rdonlyres/03E94519-E25D-4E0E-97B0-A19B086415F0/121418/RgishutMazon.ppt$ 

### Archive:

https://drive.google.com/o pen?id=1TAxnWNl1mMn cNNjGK\_DCUk2rosgFoW9

### Auteur principal/Année:

Israeli Ministry of Health, 2010

### Diapo 7:

1,044 children up to the age of 18 were hospitalized for a food allergic reaction in 2008

Titre de l'article :

Direct and Indirect Costs of Asthma in Schoolage Children

https://www.cdc.gov/pcd/issues/2005/jan/pdf/04

0053.pdf

/pdf/04 Archive: http://archive.is/nkY0y

PMID:

15670464

Auteur principal/Année : Revue :

Li Yan Wang, 2005 Preventing Chronic Disease

Coûts de l'asthme chez les écoliers américains en 1996 :

Total economic impact of asthma in school-age children was \$1993.6 million (\$791 per child with asthma).

116

Titre du document :

Annual Summary 1979

Reported Morbidity and Mortality in the United states

Archive:

https://drive.google.com/open?id=1NgxD UuXCDNgNzFwBovBkn7186ThcIrUQ

Auteur principal/Année :

CDC, 1980

P. 18. Résumé des maladies infectieuses en 1979, à l'exclusion de la gonorrhée, de la syphilis et de la rage (chez les animaux).

117

Titre de l'article :

Trends in Childhood Disability

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1651471/pdf/amiph00626-0040.pdf

PMID:

6230017

Archive:

https://drive.google.com/open?id=10cA6x A9xIhBojRWvqPn8ru0YNa6manG

Auteur principal/Année : Revue :

Paul W. Newacheck, 1984 American Journal of Public Health

Le tableau 1, page 2, montre le taux de morbidité en 1979. Le chiffre de 2 millions apparaît à la page 2, se référant à l'année 1981, qui présentait une proportion d'enfants malades similaire à celle de 1979 :

Data from the NHIS for 1981 show that over two million children suffer some degree of limitation of their activities because of their health or disability...

118

Titre de l'article :

More than 25% of Kids and Teens in the U.S. Take Prescriptions on a Regular Basis

Date:

19 mai 2011

Archive:

http://archive.is/t9r1N

Site Internet:

IWB

http://investmentwatchblog.com/more-than-25-of-kids-and-teens-in-the-u-s-take-prescriptions-on-a-regular-basis/

119 Titre de l'article :

Infectious Disease Hospitalizations in the **United States** 

https://academic.oup.com/cid/article/49/7/1025/ 314998

Archive:

PMID:

19708796

https://drive.google.com/open?id=1iba OMusV86pnftihJHFcynefRmRL70eY

Auteur principal/Année: Krista L. Yorita Christensen.

Revue: Clinical Infectious Diseases

2009

P. 3. tableau 2:

A weighted average calculation of the hospitalization rate for ages 0-19 (assuming cohorts of similar size) gives a result of 1,027 hospitalizations per 100,000 or 1.02%.

120 Nom de la page :

The 2009 H1N1 Pandemic: Summary Highlights, April 2009-April 2010

Archive: http://archive.is/aBxT

Site Internet:

**CDC** 

https://www.cdc.gov/h1n1flu/cdcresponse.htm

CDC activated its Emergency Operations Center (EOC) on April 22, 2009, to coordinate the response to this emerging public health threat.

Nom de la page :

Swine influenza

Archive:

http://archive.is/kX13O

Site Internet:

WHO

http://www.who.int/mediacentre/news/statements/2009/h1n1 20090425/en/

In response to cases of swine influenza A(H1N1), reported in Mexico and the United States of America, the Director-General convened a meeting of the Emergency Committee to assess the situation and advise her on appropriate responses... The Committee nevertheless agreed that the current situation constitutes a public health emergency of international concern. Based on this advice, the Director-General has determined that the current events constitute a public health emergency of international concern, under the Regulations.

# 121-125

121 Titre de l'article :

CDC: Measles Outbreak a 'Wake-Up Call'

Date:

29 janvier 2015

Archive:

http://archive.is/5sLoi

Site Internet:

Medpagetoday

http://www.medpagetoday.com/primarycare/vaccines/49786

Anne Schuchat, MD, director of the CDC's National Center for Immunization and Respiratory Diseases, told reporters on a conference call that 84 people in 14 states have been diagnosed with measles so far in 2015 and, of them, 67 are linked to the Disneyland outbreak

[...]

The Disneyland-centered outbreak is "a wake-up call" for Americans to be vaccinated so that future imported cases don't spread.

Titre de l'article :

The Rise In Chronic Conditions Among Infants, Children, And Youth Can Be Met With

Continued

**Health System Innovations** 

https://www.healthaffairs.org/doi/pdf/10.1377/h lthaff.2014.0832

PMID: 25489027

Archive:

https://drive.google.com/open?id=199b LfWqYYf0JFd2QRXSMhBU9nQFUH 2C2

Auteur principal/Année: Revue: James M. Perrin, 2014 **Health Affairs** 

What has caused such substantial growth in common conditions in recent decades? Increasingly, evidence points to genetic bases for these conditions, but genetic drift changes in the gene pool of reproductive-age adolescents and young adults—alone cannot explain this rapid growth.

### 123

Titre de l'article :

The rise of childhood type 1 diabetes in the 20th century

PMID:

12453886

Auteur principal/Année: Revue: Edwin A.M. Gale, 2002 Diabetes

A rapid change in incidence within a genetically stable population implies that nongenetic factors are active and that the influence of genes is relative to population, time, and place. It suggests that something has changed in the environment our children encounter or in the way they are treated.

### 124

Désignation abrégée :

Perrin 2014

Archive:

https://drive.google.com/open?id=199bLfWqYYf0JFd2QRXS MhBU9nQFUH2C2

P. 4:

Additionally, growing public awareness of these conditions coupled with advances in screening in health care and school settings may identify mildly affected children who in previous years may have gone undiagnosed, accounting for some of the rapid increase in overall prevalence.

### 125

Désignation abrégée :

Perrin 2014

Archive:

https://drive.google.com/open?id=199bLfWqYYf0JFd2QRXS

MhBU9nOFUH2C2

### P. 3:

However, premature infants of higher birthweight experience much less longterm morbidity than in years past, and the absolute numbers of extremely low-birthweight infants are small (less than 1 percent of all births). Advances in prenatal and newborn screening for genetic and infectious conditions have also prevented a significant proportion of intellectual disabilities.

# Chapitre 9 : L'immunité de groupe

### 1-20

### 1 Titre du livre :

Vaccines (6e édition)

Publié par Elsevier Saunders

https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5

### Auteur principal/Année:

Stanley Plotkin, 2013

### P. 1395:

...the concept of herd immunity... refers to the prevalence or proportion of immune persons in a population... which, if achieved, should lead to the elimination of an infection from a population.

### 2 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### Auteur principal/Année:

Stanley Plotkin, 2013

### P. 1395:

herd immunity, a term that refers to... indirect protection of nonimmune persons, attributable to the presence and proximity of immune persons.

### 3 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### Auteur principal/Année:

Stanley Plotkin, 2013

### P. 1396:

if an infection or vaccine induces some degree of immunity against infection, then some nonimmune people will be protected indirectly, by the presence and proximity of immune persons, and transmission should stop in a population prior to the infection of all susceptible individuals.

### 4 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Par exemple, l'exposition au virus de la rougeole entraîne une immunité à vie.

### P 1403 ·

One of the remarkable observations about measles is that immunity induced by natural infection appears to remain strong for life: thus, Panum observed that individuals exposed to measles in 1781 in the Faroe Islands were still immune when the virus was next introduced, 65 years later, in 1846.

### 5 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

Par exemple, l'immunité contre la bactérie Hib, p. 1406 :

The absence of disease in the neonatal period is a result of maternal antibody, passed to the infant either transplacentally or via breast milk. As infant antibody levels fall, susceptibility rises...

### 6 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 1397-1398

### 7 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

If a vaccine were to protect only against disease, and not at all against infection, then it would have no influence on infection transmission in the community and there would be no indirect protection (vaccination of one person would have no influence on any others in the community). It would be possible to reduce disease with such a vaccine but not to eradicate the infection.

### 8 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 748:

The most common source of environmental exposure to C. tetani bacilli and spores is soil, where the organism is widely but variably distributed.

### 9 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 756:

Immunization histories were reported for 986 (49%) of the tetanus cases reported from 1972 to 2009 (Centers for Disease Control and Prevention, unpublished data). Of those 986 cases, 163 (16%) had received at least a three-dose primary series of tetanus toxoid before onset of tetanus; 62 (6%) reported that the last dose of tetanus toxoid was received less than 10 years before the illness.

### 10 Nom de la page :

Notifiable diseases: historic annual totals

### Site Internet:

GOV.UK

https://www.gov.uk/government/publications/notifiable-diseases-historic-annual-totals

For example, in the UK, an average of 5 cases of tetanus were recorded each year in 2001-2015. Official UK (England-Wales) morbidity data on the UK Ministry of Health website.

### Titre du document :

Infectious diseases requiring notification in Israel

### Archive:

https://drive.google.com/open?id=1QEXa9 ZV xDKvAdsUhN4ByWAfc7FbMjsH

### Auteur/Année:

Israeli Ministry of Health, 2012

### P. 56:

In Israel, less than one case per year was recorded between 1990-2010.

### 11 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

The focal point of much of the theoretical work on community immunity has been the recognition that, if an infection or vaccine induces some degree of immunity against infection, then some nonimmune people will be protected indirectly, by the presence and proximity of immune persons, and transmission should stop in a population prior to the infection of all susceptible individuals.

### 12 Titre de l'article :

Immunity for the People: The Challenge of Achieving High Vaccine Coverage in

American History

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1 820430/pdf/phr122000248.pdf

PMID:

17357368

Archive:

https://drive.google.com/open?id=1jQ B7kYQeKFlBJCukM7Cv8ekpOELQJ <u>wiT</u>

Auteur principal/Année:

James Colgrove, 2007

Revue: **Public Health Reports** 

[vaccination], unlike other health interventions that benefit the individual, also carries a societal benefit through the herd immunity it creates. Thus, some observers have analogized immunization to public health responsibilities such as providing clean water or sewage disposal that are not left to the free market.

### 13 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 1395:

The social benefits of such indirect protection have important policy implications, including provision of a rationale for mandating immunization.

### 14 Titre de l'article :

Immunity for the People: The Challenge of Achieving High Vaccine Coverage in

American History

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1 820430/pdf/phr122000248.pdf

PMID:

17357368

Archive:

https://drive.google.com/open?id=1jO B7kYOeKFlBJCukM7Cv8ekpOELOJ wiT

Auteur principal/Année: James Colgrove, 2007

Revue:

Public Health Reports

It is a widely accepted tenet of public health practice that persuasive approaches are preferable to coercive ones whenever possible. But because the failure to immunize oneself or one's children can contribute to the spread of infectious diseases, the United States has invoked compulsory measures, primarily laws requiring immunization before children may enter school.

### 15 Nom de la page : Archive: State Vaccination Requirements http://archive.is/SVeph Site Internet: CDC https://www.cdc.gov/vaccines/imz-managers/laws/state-reqs.html Nom de la page : Archive: Italy approves hotly contested mandatory vaccine program http://archive.is/XPOoo

### Site Internet:

Daily Mail

https://www.dailymail.co.uk/wires/ap/article-4739388/Italy-approves-hotly-contested-vaccine-program.html

Under Italy's new requirements, parents must present proof of vaccinations to gain admission into preschools, while parents of children of mandatory school age face fines of up to 500 euros (\$588) for noncompliance. The requirements cover 10 vaccinations, including diphtheria, tetanus, measles, mumps, rubella and chicken pox.

### Nom de la page :

Archive:

The 11 vaccines set to become compulsory in France and why French doctors are firmly in favour

http://archive.is/XRzRu

### Site Internet:

TheLocal.fr

https://www.thelocal.fr/20170705/these-are-the-eleven-vaccines-that-will-be-compulsory-in-france-from-2018

Three vaccines: diptheria, tetanus and polio are already obligatory but from 2018 these will be joined by eight more: whooping cough, measles, mumps, rubella, hepatitus B, influenza, pneumonia and meningitis C.

### 16 Nom de la page :

Archive:

MMR jab should be compulsory for all children starting school, expert says

http://archive.is/EeFQh

### Site Internet:

The Guardian

https://www.theguardian.com/society/2009/jun/03/mmr-jab-compulsory-schoolchildren

Welsh health minister revealed she is exploring whether to make the vaccination compulsory for school and nursery entry. Edwina Hart said she was prepared to "explore further the options" for a compulsory childhood vaccination policy as Wales experiences its largest outbreak of measles since the MMR vaccine was introduced 20 years ago, with 253 cases so far.

### Nom de la page (traduit de l'hébreu) :

Archive:

Compulsory Vaccinations?

http://archive.is/VZGva

### Site Internet:

Vaccines

http://chisunim.co.il/Article.aspx?id=28

In the State of Israel, there is no legal obligation to vaccinate. Until a few years ago, it seemed that there was no need for such legislation due to the high rate of immunization of children in Israel, which was among the highest in the world.

However, due to an increase in the rate of those who oppose vaccines, this issue is expected to come up.

### 17 Titre du document :

PREVNAR Package Insert

https://drive.google.com/open?id=1VLR6NluMGK0E4vXUZM18IpUpi MI7-MP

Nombre de participants à l'essai clinique : p. 3. Nombre de cas évités (toutes souches confondues) : tableau 1, p. 4 (par protocole).

### Titre de l'article :

PMID:

Efficacy, safety and immunogenicity of heptavalent pneumococcal conjugate vaccine in children

10749457

Auteur principal/Année :

Steven Black, 2000 Pediatric Infectious Disease Journal

Revue:

Overall 513 pneumococcal vaccine recipients and 579 controls were hospitalized within 60 days of receipt of a dose of vaccine.

Review of emergency room visits within 30 days of vaccination revealed 1188 visits in pneumococcal vaccine recipients and 1169 visits in controls.

### 18 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 1396:

The focal point of much of the theoretical work on community immunity has been the recognition that, if an infection or vaccine induces some degree of immunity against infection, then some nonimmune people will be protected indirectly, by the presence and proximity of immune persons, and transmission should stop in a population prior to the infection of all susceptible individuals. This insight encourages the estimation of threshold numbers or proportions of immune persons necessary for this cessation to occur.

### 19 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 400:

The elegant theory just summarized is built on extreme assumptions: that all individuals mix at random, that individuals are either fully susceptible or fully immune, and that the population is uniform (ie, that all individuals behave the same way and all infected individuals are equally infectious). These assumptions are unlikely to hold for any infection in any human population.

### 20 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 1401

# 21-40

### 21 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 1403:

Published estimates of herd immunity thresholds required to eradicate measles have ranged from 55% to 96%, depending on the modeling approach and the assumptions employed (eg, whether age or seasonality of transmission was included). The logic and the flaws underlying the various estimates have been discussed elsewhere.

### 22 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 1405:

Published estimates of a crude herd immunity threshold for diphtheria have ranged from 50% to 90%.

### 23 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Several investigations have concluded that, for the incidence of CRS to decrease in the long term, the minimal vaccination coverage that must be achieved and maintained in young children of both sexes is in the region of 50% to 80%.

### 24

### Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 1411:

The herd immunity threshold concept provides an epidemiologic attribute with which to characterize particular infections. Although precision may not be possible because of population heterogeneities or because of variability in the immune status of individuals—the crude thresholds are naively optimistic in practice—even crude estimates can be of use in giving a rough guideline for predicting the impact of a vaccination program and at least a hint as to the potential for eradication.

### 25

### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 1402:

If a vaccine were to protect only against disease, and not at all against infection, then it would have no influence on infection transmission in the community and there would be no indirect protection (vaccination of one person would have no influence on any others in the community). It would be possible to reduce disease with such a vaccine but not to eradicate the infection.

### 26

### Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 746:

Tetanus is unique among vaccine-preventable diseases in that it is not communicable. Clostridium tetani, the causative agent of tetanus, is widespread in the environment; many animals in addition to humans can harbor and excrete the organism and its spores. When spores of C. tetani are introduced into the anaerobic conditions found in devitalized tissue or punctures, they germinate to vegetative bacilli that elaborate toxin. The clinical presentation results from the actions of this toxin on the central nervous system (CNS). Many animal species besides humans are susceptible to the disease.

### 27

### Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 752-754:

A decline in tetanus incidence in industrialized countries began in the early 1900s. By the mid-1930s, many European countries had tetanus mortality rates of less than 1 per 100,000 Factors that contributed to the decline included urbanization, mechanization of agriculture, adoption of aseptic surgical and medical techniques, hygienic childbirth and wound care practices, use of prophylactic tetanus antitoxin, and, ultimately, use of antibiotics.

Historically, tetanus was a dreaded consequence of war, with incidence rates on the order of two cases per 1,000 injured troops;

In 1947, when national reporting began, the incidence of reported cases was 0.39 per 100,000.

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

Clostridium tetani is not communicable between human hosts, and thus vaccination cannot lead to indirect protection in the sense implied in many definitions of herd immunity. Certainly there is no threshold proportion of immune persons, below 100%, that can ensure total absence of tetanus from a community.

### 29

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

### P. 1407:

It appears that wild-type polioviruses ceased to circulate in most of the United States by 1970, at which time only some 65% of children were receiving a complete course of OPV. However, given the complex history of previous IPV and then OPV programs in the country, and the propensity of OPV—let alone wild—viruses to circulate in the community, the actual level of immunity in the population at that time is unknown.

It is also possible that the disappearance of wild-type polioviruses from the United States and other countries employing OPV has resulted not only from the achievement of some herd immunity threshold, but also from the competition for ecologic space between the wildtype viruses and the constantly introduced vaccine strains.

### 30

Titre de l'article :

Epidemiology Of Poliomyelitis And Allied Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

PMID:

14064722

Archive:

https://drive.google.com/open?id=1fV\_w0 3BSORQKex-hR7DkGZH44EXUwpTv

Auteur principal/Année :

Revue:

Dorothy M. Horstmann, 1963

Yale Journal of Biology and Medicine

The inactivated vaccine, since its introduction in 1955, has greatly reduced the incidence of paralytic poliomyelitis in countries in which its use has been extensive. This has been accomplished by inducing serologic immunity in vaccinees, which prevents CNS invasion. However the extent to which the inactivated vaccine has suppressed the circulation of wild polioviruses and the incidence of inapparent intestinal infection is not well documented... This is not surprising, for although the vaccine induces antibody formation, it does not provide a significant barrier to intestinal infection with either wild or vaccine strains.

### 31

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 1407:

...there is good epidemiologic evidence for indirect protection by IPVs. Countries that have used only IPV (eg, Sweden, Finland, and the Netherlands) experienced elimination of circulating wild-type polioviruses for long periods of time.

32 Titre du

Titre du document :

Polio - The Beginning Of The End

Auteur/Année : WHO, 1997

Archive:

https://drive.google.com/open?id=1r0R4dlS UiB6jOtNta-FvrKDD-gFlzW9h

P. 20:

Inactivated polio vaccine (IPV) works by producing protective antibodies in the blood—thus preventing the spread of poliovirus to the central nervous system. However, it induces only very low- level immunity to poliovirus inside the gut. As a result, it provides individual protection against polio paralysis but only marginally reduces the spread of wild poliovirus. In a person immunized with IPV, wild virus can still multiply inside the intestines and be shed in stools. Because of this, IPV could not be used to eradicate polio.

33

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P 631

Continued use of OPV will induce effective intestinal immunity, thereby enhancing community resistance to transmission of imported wild poliovirus.

34

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 1407:

...live poliovirus vaccine virus is excreted in the feces and by the oropharynx in sufficient quantities for it to be transmitted to contacts. This unique attribute of OPV provides a special mechanism for indirect protection of non-vaccinees—in effect by vaccinating them surreptitiously.

35

Nom de la page :

WHO vaccine-preventable diseases: monitoring system. 2018

Archive :

http://archive.is/AVUQN

global summary
Site Internet :

WHO

 $\frac{\text{http://apps.who.int/immunization} \ monitoring/globalsummary/schedules?sc\%5Br\%5D\%5B}{\%5D=AMRO\&sc\%5Br\%5D\%5B\%5D=EURO\&sc\%5Bd\%5D=&sc\%5Bv\%5D\%5B\%5D=} \\ \frac{\text{OPV\&sc\%5BOK\%5D=OK}}{\text{OPV\&sc\%5BOK\%5D=OK}}$ 

36

Titre de l'article :

Acellular pertussis vaccines protect against disease but fail to prevent infection and transmission in a nonhuman primate model <a href="http://www.pnas.org/content/pnas/111/2/787.full.pdf">http://www.pnas.org/content/pnas/111/2/787.full.pdf</a>

PMID: 24277828

Archive:

https://drive.google.com/open?id=1XS P3srbYjgMOiC1TtGMRMQpl2SQDH RDr

Auteur principal/Année : Revue : Jason M. Warfel, 2014 PNAS

P. 3

Therefore, no experimental data exist on whether vaccination prevents B. pertussis colonization or transmission in humans.

Titre de l'article :

PMID:

28928960

The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5 580413/pdf/f1000research-6-12588.pdf

Archive:

https://drive.google.com/open?id=1bCr u-8-TfSy2uwMt01noQ yY3B-6laEB

Auteur principal/Année: Revue:

F1000 Research Christopher Gill, 2017

A significant, but surprisingly under-examined, unknown is whether an asymptomatic infection state exists for B. pertussis, as is the case for many other bacterial respiratory pathogens, notably Streptococcus pneumoniae, Haemophilus influenzae type B (HiB), and Neisseria meningitidis... But does B. pertussis exist in an asymptomatic infection state also? Can pertussis transmit from asymptomatic individuals? Do pertussis vaccines interfere with these processes? And, if so, how? These are fundamental unresolved questions.

### 37 Titre de l'article :

The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis https://www.ncbi.nlm.nih.gov/pmc/articles/PMC55804 13/pdf/f1000research-6-12588.pdf

PMID: 28928960

### Archive:

https://drive.google.com/open?id= 1bCru-8-TfSv2uwMt01noO vY3B-6laEB

Auteur principal/Année : Revue: Christopher Gill, 2017 F1000 Research

### P. 3:

There is increasing consensus that earlier whole cell pertussis (wP) vaccines impeded infections (not just clinical disease), generating herd immunity.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 492:

Humans are the only reservoir for pertussis, and chronic carriage is not known to occur. In principle, then, pertussis can be eradicated.

38 Désignation abrégée : Archive: https://drive.google.com/open?id=1XSP3srb Warfel 2014 YigMOiC1TtGMRMQpl2SQDHRDr

### 39 Titre de l'article :

Comparison of Three Whole-Cell Pertussis Vaccines in the Baboon Model of Pertussis

PMID: 26561389

Auteur principal/Année : Revue:

Jason M. Warfel, 2015 Clinical and Vaccine Immunology

### P. 4:

Infection of baboons (Papio anubis) with B. pertussis results in a disease that is very similar to severe clinical pertussis. Upon challenge with a recent clinical isolate of B. pertussis, baboons experience respiratory colonization for about 4 to 6 weeks, paroxysmal coughing, and leukocytosis. In addition, infected baboons can transmit B. pertussis to unchallenged baboons by airborne transmission.

Désignation abrégée : Archive:

Warfel 2014 https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr

P. 1

40	Désignation abrégée : Warfel 2014	Archive: https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr
	P. 2	

# 41-60

41	Désignation abrégée : Warfel 2014	Archive: https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr
	P. 2: To assess the ability of vaccination to prevent pertussis infection by transmission, two aP-	

vaccinated animals and one unvaccinated animal were cohoused with a directly challenged, unvaccinated animal. Similar to our previous findings (18), all animals became colonized 7-10 d after cohousing with the infected animal.

42	Désignation abrégée : Warfel 2014	Archive: https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr	
	P. 3:the key finding of this study: aP vaccines do not prevent infection or transmission of Bordetella pertussis even 1 mo after completing the primary vaccination series.		

43	Titre de l'article :		PMID:	
	Comparison of Three Whole-Cell Pertussis		<u>26561389</u>	
	Vaccines in the Baboon Model of Pertussis			
	Auteur principal/Année : Revue : Jason M. Warfel, 2015 Clinical and Vac P. 2 : Similar to our previous data, there was no difference		accine Immunology	
			e in the duration of colonization between	

unvaccinated and DTaP-vaccinated animals, while previously infected animals were not colonized following reinfection.

44	Désignation abrégée : Warfel 2014	Archive: https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQp12SQDHRDr
	P. 3:aP-vaccinated individuals can act as asymptomatic or mildly symptomatic carriers and contribute significantly to transmission in the population.	

45	Désignation abrégée : Warfel 2014	Archive: https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr
	P. 5: However, to protect the most vulnerable members of the population and achieve optimal herd immunity, it will be necessary to develop a vaccination strategy that effectively blocks pertussis infection and transmission	

Titre de l'article :
What to do about pertussis vaccines? Linking
what we know about pertussis vaccine
effectiveness, immunology and disease
transmission to create a better vaccine
<a href="https://academic.oup.com/femspd/article/73/8/ftv">https://academic.oup.com/femspd/article/73/8/ftv</a>
U126PfhUcgXCbLoxuAs4yLClEwa8V

Auteur principal/Année : Revue : Shelly Bolotin, 2015 FEMS Pathogens and Disease

P. 2:

Close examination of outbreak patterns revealed that, although the interepidemic period remained the same, the amplitude of disease cycles increased following periods of low vaccine uptake (Fine and Clarkson 1982, 1987), an epidemiological signal that the vaccine may not be controlling infection and disease transmission, but rather clinical disease severity.

48 Titre de l'article : PMID: Widespread Silent Transmission of Pertussis in Families: Antibody 2313126 Correlates of Infection and Symptomatology Auteur principal/Année: Revue: Sarah S. Long, 1990 Journal of Infectious Diseases In summary, this family study showed that extensive transmission of pertussis occurred during heavy exposure in immunized contacts. Subclinical infection was common; vaccination and probably natural disease provided more protection against disease than against infection. Titre de l'article : PMID: Pertussis Infection in Fully Vaccinated Children 10998384 in Day-Care Centers, Israel Archive: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2 627963/pdf/10998384.pdf https://drive.google.com/open?id=1SrN d8ZYYkZAFj0E81M4djqhlLRI62uNk Auteur principal/Année : Revue: Isaac Srugo, 2000 **Emerging Infectious Diseases** P. 3:

Vaccinated adolescents and adults may serve as reservoirs for silent infection and become potential transmitters to unprotected infants. The whole-cell vaccine for pertussis is protective only against clinical disease, not against infection. Therefore, even young, recently vaccinated children may serve as reservoirs and potential transmitters of infection.

### 49 Titre de l'article :

Determination of Serum Antibody to Bordetella pertussis Adenylate Cyclase Toxin in Vaccinated and Unvaccinated Children and in Children and Adults with Pertussis

https://academic.oup.com/cid/article/38/4/502/351

Auteur principal/Année : Revue:

Clinical Infectious Diseases James D. Cherry, 2004

### 50 Titre de l'article :

Different Effects of Whole-Cell and Acellular Vaccines on Bordetella Transmission

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4 038146/pdf/jiu030.pdf

Auteur principal/Année : Revue:

William E. Smallridge, 2014 Journal of Infectious Diseases

P. 7:

We were surprised to determine that an acellular vaccine previously found to affect pathology and colonization of the lungs was ineffective at inhibiting shedding and transmission.

### 51 Désignation abrégée :

Smallridge 2014

### Archive:

PMID:

14765342

Archive:

PMID:

24443545

Archive:

https://drive.google.com/open?id=1vN

O704stsFQ0r0b-wYtiyVsGQidc9UGv

https://drive.google.com/open?id=1gws

-394ES r0XRf9ihpMFQ6uc67SwM5R

https://drive.google.com/open?id=1gws-394ES r0XRf9ihpMF06uc67SwM5R

### P. 2:

Together these results suggest that the resurgence of B. pertussis could be due to 2 deficiencies of the acellular vaccines; failure to protect the vaccinated individual from infection, only blunting the severity of disease, and failure to prevent the transmission of B. pertussis.

### 52 Désignation abrégée :

Smallridge 2014

### Archive:

https://drive.google.com/open?id=1gws-394ES r0XRf9ihpMF06uc67SwM5R

### P. 7:

...current vaccines do not effectively prevent transmission of Bordetella and thus fail to confer the full benefits of herd immunity in reducing clinical cases.

### 53 Titre de l'article :

The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5 580413/pdf/f1000research-6-12588.pdf

PMID: 28928960

### Archive:

https://drive.google.com/open?id=1bCr u-8-TfSy2uwMt01noQ yY3B-6laEB

Auteur principal/Année: Revue: Christopher Gill, 2017 F1000 Research

Fundamental aspects of pertussis epidemiology and immunology were left unexplained following the introduction of wP vaccines in the 1950s. The wP vaccines worked: disease rates plummeted, mortality fell, and the pertussis problem appeared largely solved. The fact that we did not know then, and still do not know now, how wP vaccines did this was inconvenient and has remained problematic in the aP vaccine era, since it created no clear

immunologic surrogate by which to bridge these vaccine classes. Had carriage studies been conducted in parallel with wP introductions, then this might have provided supportive evidence that infections were being blocked. But carriage studies were not done. Rather, it was assumed that because wP vaccines appeared to confer herd immunity, they therefore blocked carriage.

54 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 471-472

55 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

It is hoped thereby to prevent infection transmission to young infants, in whom the disease is most severe. This has been extended to selective vaccination of parents and others in contact with young infants, a strategy known as cocooning, yet another approach to manipulating the community distribution of immunity.

56 Désignation abrégée :

Warfel 2014 https://drive.google.com/open?id=1XSP3srb YjgMOiC1TtGMRMQpl2SQDHRDr

Archive:

PMID:

28928960

Archive:

P. 5:

One recommendation to reduce transmission of pertussis to infants is by "cocooning," or vaccinating people who have contact with infants. Our data... suggest that cocooning is unlikely to be an effective strategy to reduce the burden of pertussis in infants.

57 Titre de l'article :

> The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5 580413/pdf/f1000research-6-12588.pdf

Auteur principal/Année : Revue: Christopher Gill, 2017 F1000 Research

P. 11:

In conclusion, the preponderance of available evidence now suggests that the list of plausible explanations for the resurgence of pertussis in the aP vaccination era goes beyond the "poor persistence" and "waning efficacy" of these vaccines to include an additional and likely pivotal factor: "lack of sterilizing mucosal immunity".

58 Nom de la page :

Pertussis Frequently Asked Questions

Archive:

https://drive.google.com/open?id=1bCr u-8-TfSy2uwMt01noQ yY3B-6laEB

http://archive.is/xBSyn

Site Internet:

CDC

https://www.cdc.gov/pertussis/about/faqs.html#immunity

Second, make sure everyone around the baby is up-to-date with their pertussis vaccines. This includes parents, siblings, grandparents (including those 65 years and older), other family members, babysitters, etc. They should be up-to-date with the age-appropriate vaccine (DTaP or Tdap) at least two weeks before coming into close contact with the baby.

Q: Doesn't herd immunity protect most people?

A: [...] Since pertussis spreads so easily, vaccine protection decreases over time, and acellular pertussis vaccines may not prevent colonization (carrying the bacteria in your body without getting sick) or spread of the bacteria, we can't rely on herd immunity to protect people from pertussis.

### 59 Titre de l'article :

The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis

Archive:

PMID:

28928960

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5 580413/pdf/f1000research-6-12588.pdf

https://drive.google.com/open?id=1bCr u-8-TfSy2uwMt01noQ yY3B-6laEB

Auteur principal/Année : Christopher Gill, 2017

Revue:

F1000 Research

These models also offer a possible explanation for the surprising failure of "cocooning" to protect infants from pertussis... Unfortunately, several controlled trials of cocooning in the US found no efficacy. These counterintuitive results conflict with expectations if aP vaccines block carriage and transmission but fit well if aP vaccines only prevent disease but have more limited ability to block infections.

### 60 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 155:

The entire operon is under the control of a repressor gene, dtxR, which in the presence of iron binds to and inhibits the tox gene; toxin is produced only under low-iron conditions.

### 61-80

### 61 Titre du document :

CDC Pink Book - Diphtheria

https://drive.google.com/file/d/1RHDvQU2YyPDfIcvqiEC9LPBMM22GEwo/view?usp=sharing

Auteur/Année : CDC, 2011

P. 75:

Only toxigenic strains can cause severe disease.

### 62 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

...the frequency of these various complications appears to vary considerably between epidemics, for which no clear explanation is available.

### 63 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 157:

The precise microbial events responsible for the transmission of diphtheria remain unclear.

64	Titre du document :	Auteur/Année :
	CDC Pink Book - Diphtheria	CDC, 2011
	https://drive.google.com/file/d/1RHDvQU2YyPDfIcv-	
	qiEC9LPBMM22GEwo/view?usp=sharing	
	P. 81	

### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 1405:

The protection against disease imparted by diphtheria toxoid vaccines has never been evaluated in formal trials, although observational studies provide estimates ranging from 55% to 90%.

# Titre de l'article : Diphtheria Immunisation Campaign Revue : British Journal of Nursing Date : Octobre 1948 Archive : https://drive.google.com/open?id=1INU0IsPgiT4WVNMXUMKj7cT9ZmPtzcnM

### P. 1:

Immunisation affords a good degree of protection, though not complete protection, against an attack of diphtheria. It affords a very high degree of protection indeed against the risk of death from diphtheria. Immunised people, if they get diphtheria, nearly always get it very lightly.

[...]

A child who has been immunised is about four times less likely to catch diphtheria, and about 25 times less likely to die from it than one who has not.

67	Titre du document : CDC Pink Book - Diphtheria https://drive.google.com/file/d/1RHDvQU2YyPDfIcv- qiEC9LPBMM22GEwo/view?usp=sharing	Auteur/Année : CDC, 2011
	P. 78	

### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 156

Although diphtheria antitoxin is the mainstay of diphtheria therapy, penicillin or, alternatively, erythromycin should be given to hasten clearance of the organism, prevent transmission, and cease further production of diphtheria toxin... Before the development of antibiotic therapy, convalescent carriage of toxigenic organisms was a major problem. Up to 50% and 25% of patients continued to harbor the organism 2 and 4 weeks after onset, respectively. As late as 2 months after onset, reported carriage rates varied between 1% and 8%.

69	Titre du document : CDC Pink Book - Diphtheria https://drive.google.com/file/d/1RHDvQU2YyPDfIcv- qiEC9LPBMM22GEwo/view?usp=sharing	Auteur/Année : CDC, 2011
	P. 79, 84	

### 70 Titre de l'article :

Diphtheria Immunization

Effect Upon Carriers and the Control of Outbreaks

PMID: 5026197

Auteur principal/Année:

Revue:

Louis W. Miller, 1972

The American Journal Of Diseases Of Children

### P. 3:

When diphtheria toxoid became available, it was generally believed that it induced immunity that protected individuals from symptomatic illness but not from asymptomatic infection. This was based on the observation that immunity is related to the neutralization of toxin elaborated by C diphtheriae and not interference with diphtheria infection.

### Titre de l'article :

Diphtheria in the United States, 1971-81

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1 646466/pdf/amjph00288-0037.pdf PMID: 4061710

### Archive:

https://drive.google.com/open?id=1Xx x6iNJSFo6djykLNV7QV7pQDM521P De

Auteur principal/Année :

Robert T. Chen, 1985

Revue :

American Journal of Public Health

### P. 4:

However, immunization with diphtheria toxoid is protective only against the phage-mediated toxin, and not against infection by the C. diphtheriae organism. Thus immunized persons have less severe disease when infected, but may remain important as asymptomatic carriers in the transmission of disease.

### 71

### Désignation abrégée :

Miller 1972

### Р 3 ·

In 1936, Frost et al alluded to a paucity of observations on record concerning antitoxic immunity and the carrier state. Nonetheless, he stated that the limited data suggested that there is little, if any, difference between those individuals with and those without antitoxic immunity in their risk of becoming infected. [...] The findings in Elgin corroborate the assumptions of Frost et al and show that there is no difference in the risk of diphtheria acquisition among those with full, lapsed, inadequate, and no immunizations.

### 72

### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 1406:

Given that diphtheria toxin is not a constituent of Corynebacterium diphtheriae per se, but exists as a consequence of bacteriophage infection, the immunity induced by toxoid vaccination may not provide protection against infection at all. However, toxoid vaccines do protect against toxin mediated disease, and transmission of the diphtheria bacillus is more efficient from clinical patients than from subclinical carriers - thus the toxoid vaccines may protect against infectiousness and infection transmission, but not (or more than) against infection receipt... This may have been an important contributor to the disappearance of diphtheria in vaccinated populations.

### 73

### Titre de l'article :

The Epidemiological Importance Of Diphtheria Carriers

https://academic.oup.com/aje/article-abstract/5/4/508/149362?redirectedFrom=fulltext

Auteur principal/Année :

Revue:

James A. Doull, 1925

American Journal of Epidemiology

After making necessary allowance for differences in age-distribution of the two groups of contacts, it is a conservative estimate to state that the risk of attack is ten times as great for family contacts of cases as for those in similar association with known bacillus carriers.

# 74 Désignation abrégée : Doull 1925

### P. 1:

...and as carriers are much more numerous than clinically recognizable cases, and are for the most part subject to no restriction of their intercourse with the general public, it is reasonable to infer that they may be, in the aggregate, the most frequent sources of clinical infection.

# 75 Désignation abrégée : Doull 1925

### P. 2:

A similar conclusion is indicated by the results of attempts to trace the sources of infection of recognized cases. For example, in a study of some 500 cases reported in a limited section of Baltimore, investigators from this school have been able to find evidence of prior association with recognized or even suspected cases of clinical diphtheria in only about 20 per cent, of the cases investigated. Making all due allowance for the imperfections of such an investigation, it still appears that a large proportion of the cases investigated must have contracted their infections from unrecognized clinical cases or from carriers.

# 76 Désignation abrégée : Doull 1925

### P. 20:

It seems impossible to explain the general distribution of diphtheria and the usual absence of traceable lines of contact from clinical cases on any other hypothesis except that infection is spread largely by carriers.

# 77 Désignation abrégée : Miller 1972

### P. 2:

Throat cultures were done on 306 children and staff; toxigenic C diphtheriae, gravis type, was isolated from 104 (34%). Fifteen of these (14%) were cases, and 89 (86%) were carriers. There was no statistical difference in the risk of diphtheria infection among those with full, lapsed, inadequate, or no previous diphtheria immunization.

# 78 Désignation abrégée : Miller 1972

### P. 3:

Recent epidemics in Austin and Elgin Texas, provided ample evidence that carriers continue to play a very important role in the transmission of diphtheria.

# 79 Désignation abrégée : Miller 1972

### P. 3

However, diphtheria outbreaks have been described in populations with as much as 94% of the people being previously immunized. These outbreaks, the known importance of carriers in the spread of diphtheria, and the demonstrated failure of toxoid to prevent the carrier state

lead us to conclude that the concept of herd immunity is not applicable in the prevention of diphtheria

Titre de l'article : PMID:
The Austin, Texas, Diphtheria Outbreak
Clinical and Epidemiological Aspects

Auteur principal/Année : Revue : Victor M. Zalma, 1970 JAMA

Une conclusion similaire a été tirée par Zalma et ses collègues, également du CDC, qui ont enquêté sur l'épidémie à Austin (Texas).

P. 5:

Although toxoid reduces the severity of disease caused by toxigenic organisms, it does not eradicate such organisms and, hence, as long as there are susceptibles in an area where C diphtheriae exists, cases can continue to occur.

80 Titre de l'article :

Diphtheria in the Russian Federation in the 1990s

PMID: <u>10657187</u>

Auteur principal/Année :

Revue:

Svetlana S. Markina, 2000

Journal of Infectious Diseases

#### P. 7

The Soviet and Russian experience has been that of persistent circulation of toxigenic strains of C. diphtheriae and at least two resurgences of diphtheria despite fairly high levels of vaccine coverage among most childhood age groups. Studies in 1969–1970 documented that reintroduction of toxigenic strains into schools with 100% coverage of children produced widespread transmission of the organism for months despite an absence of cases. A study in several oblasts in 1980–1981 found low-level circulation of toxigenic strains despite immunity in >97% of 20,000 children who were 4–14 years of age, as measured by Schick testing. While inadequate implementation of immunization played a role in permitting circulation of diphtheria organisms to continue, the experience in Russia and elsewhere suggests that circulation is likely to persist in areas of lesser economic development even with good overall immunization levels.

## 81-100

#### 81 Désignation abrégée :

Chen 1985

#### P. 3:

The decline in diphtheria incidence in the United States during 1971-81 occurred despite serologic studies during the 1970s showing subprotective serum diphtheria antitoxin levels in approximately 25 per cent of the children and 75 per cent of the adults tested in three US cities.

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 165

Despite the relatively low levels of immunity among adults in many countries, diphtheria has remained well controlled in most countries with effective childhood immunization programs... Serologic studies in Europe and the United States have demonstrated that many adults in these countries remain susceptible to diphtheria.

Désignation abrégée :

Chen 1985

The frequency of diphtheria carriage in the United States is not known accurately.

## 83

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 1405:

Estimates aside, the proportion of the population actually immune to diphtheria today is elusive. Vaccine coverage is difficult to define because it has varied over time, and because at least three doses are recommended, although one or two provide some protection.

#### 84

Titre de l'article :

Penicillin In Treatment Of Diphtheria And Diphtheria Carriers

PMID:

20280343

Auteur principal/Année:

Samuel Karelitz, 1947

Revue:

The Journal Of Pediatrics

#### P. 10:

Penicillin was ineffective in preventing toxic complications of diphtheria, but seemed to hasten the clearing and further the development of complications due to pyogenic organisms. Penicillin should not be used as a substitute for diphtheria antitoxin.

#### 85

Désignation abrégée :

Karelitz 1947

#### P. 10:

Patients with faucial diphtheria treated with antitoxin and penicillin... were rendered diphtheria negative more rapidly than were the patients who received antitoxin and no penicillin. Carriers of virulent C. diphtheria were likewise rendered free of the bacteria by treatment with penicillin.

### 86

Désignation abrégée :

Zalma 1970

Fourteen of 142 treated carriers (9.9%) were not cleared of C diphtheriae after treatment with procaine penicillin, administered intramuscularly, 600,000 to 2,000,000 units a day for seven to ten days, and most were given a course of erythromycin, which eradicated the organism in every patient.

#### Désignation abrégée :

Miller 1972

#### P. 3:

At the first appearance of a diphtheria case, control activities should be directed toward identifying, isolating, and treating carriers, as well as toward immunizing persons with less than full immunization status. This dual approach will reduce or eliminate the spread of infection by reducing the number of carriers, and it will reduce the number of cases by improving the immunization status of exposed individuals.

## 87

Titre du document :

CDC Pink Book - Diphtheria

https://drive.google.com/file/d/1RHDvQU2YyPDfIcvqiEC9LPBMM22GEwo/view?usp=sharing

P. 78-79

Auteur/Année:

CDC, 2011

Persons with suspected diphtheria should be given antibiotics and antitoxin in adequate dosage and placed in isolation after the provisional clinical diagnosis is made and appropriate cultures are obtained.

[...]

The disease is usually not contagious 48 hours after antibiotics are instituted. Elimination of the organism should be documented by two consecutive negative cultures after therapy is completed.

## 88 Désignation abrégée :

Chen 1985

#### P. 4:

The Rumanian experience lends support for this hypothesis; improved immunization led to a sharp decline in diphtheria morbidity disproportionate to the actual number of persons with Schick-proven immunity, and surveillance cultures in epidemic and nonepidemic communities showed a concomitant drop in the percentage of toxigenic strains from 86 per cent in 1955-66 to 5 per cent in 1977.

PMID:

9866730

## 89 Titre de l'article :

Corynebacterium diphtheriae: Microbiological Methods Used in Clinical and Epidemiological Investigations

https://www.sciencedirect.com/science/article/pii/S058095170870374X

#### Auteur principal/Année :

Alice Saragea, 1979

#### P. 165 (également dans le graphique p. 166) :

1. Epidemiological methods

[...]

(g) Diagnosis, isolation and treatment of contacts (treatment by antibiotics).

# Titre de l'article : Diphtheria in the Former Soviet Union:

Reemergence of a Pandemic Disease

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2640235/pdf/9866730.pdf

Auteur principal/Année : Revue :

Charles R. Vitek, 1998 Emerging Infectious Diseases

P. 9

Russia was never totally free of reported cases of diphtheria....

# 91 Désignation abrégée : Markina 2000

P. 2

## \_\_\_

#### 92 Désignation abrégée :

Markina 2000

#### P. 7:

The Soviet and Russian experience has been that of persistent circulation of toxigenic strains of C. diphtheriae and at least two resurgences of diphtheria despite fairly high levels of vaccine coverage among most childhood age groups.

93 Titre de l'article :

Diphtheria Surveillance and Control in the Former Soviet Union and the Newly Independent States

Revue:

PMID: <u>10657186</u>

Auteur principal/Année :

Charles R. Vitek, 2000 Journal of Infectious Diseases

P. 2:

Soviet epidemiologists did not recommend prophylactic treatment with antibiotics for contacts of diphtheria cases. There was a strongly held conviction that antibiotics had an adverse effect on the normal bacterial flora.

## 94 Désignation abrégée :

Vitek 2000

P. 2:

Soviet public health officials believed that this tightly controlled system of laboratory and clinical surveillance would identify individuals needing treatment sufficiently early to avoid the need for prophylactic antibiotic treatment.

### 95 Désignation abrégée :

Vitek 2000

P 4

Prophylactic antibiotics were not given to close contacts of cases or carriers of diphtheria in a school or work place.

### 96 Désignation abrégée :

Markina 2000

P. 7:

Toxigenic C. diphtheriae continues to circulate throughout the Russian Federation, and interruption of circulation in most areas is unlikely in the near future.

### 97 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 260

#### 98 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 274-279

#### 99 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 292:

However, although it might be assumed that high vaccine coverage in communities would lead to reduced community transmission and to reductions in severe influenza-related outcomes, no large prospective study has yet convincingly demonstrated that vaccinating entire populations, or epidemiologically important subpopulations such as school-age children, will provide significant protection against influenza-related complications (eg, death or hospitalization) for other groups.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Although studies have not consistently demonstrated community benefits, the variability by season, vaccine coverage, and circulating strains, as well as difficulty in monitoring outpatient illness among adult contacts, have presented formidable challenges to the conducting of this type of study.

#### P. 292:

Demonstrating significant reductions in influenza-related complications has been difficult because of the yearly variability of influenza epidemiology, the infrequent use of specific laboratory testing that could serve as the source of reliable surveillance data, the need to study a large population to capture enough severe outcomes, and the relatively low coverage achieved in areas where universal vaccination has been recommended.

## 101-120

#### 101

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 183-188

## 102

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 188-191

#### 103

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Young children have the highest rates of infection and are often the source of infection for others, primarily because infections in this age group are usually asymptomatic and standards of hygiene are generally lower among young children than among adults.

#### 104

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 189-190:

#### 105

Nom du document (traduit de l'hébreu) :

National Hepatitis Prevention Programs

http://fs.knesset.gov.il/globaldocs/MMM/40c28d55-f7f7e411-80c8-00155d010977/2 40c28d55-f7f7-e411-80c8-00155d010977 11 7600.pdf

Auteur/Année :

Flora Koch Davidovich, Knesset Research Center, 2014

106

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 202:

Archive:

https://drive.google.com/ope n?id=1jWjwQsaeXHiqagzxr 2SZXJq6KuBeu78U

Vaccine coverage data and examination of age-specific incidence trends indicate that incidence declines have occurred with modest levels of coverage and in unvaccinated age groups, suggesting a strong herd immunity effect.

### 107

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 183:

Children are less likely to have symptomatic infection compared with adults; 50% to 90% of infections acquired before the age of 5 years are asymptomatic, but 70% to 95% of infected adults will have symptoms. Jaundice is rare among young children but will occur in the majority of adults with hepatitis A.

The case-fatality rate among cases reported through national surveillance in the United States for the 2001-2005 period ranged from 0% among children younger than 5 years to 1.4% of people older than 60 years, with an overall mortality rate of 0.5%.

Auteur/Année :

Auteur/Année:

CDC, 2011

CDC, 2011

### 108

Titre du document :

CDC Pink Book – Hepatitis B

https://drive.google.com/file/d/1PeVszIcp5GNIES278 QQX Y8tDo-Vnf3t/view?usp=sharing

P. 116-117

109

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

HBV is not transmitted by air, food, or water.

### 110

Titre du document :

CDC Pink Book - Hepatitis B

https://drive.google.com/file/d/1PeVszIcp5GNIES278 QQX Y8tDo-Vnf3t/view?usp=sharing

P. 119: The virus is transmitted by parenteral or mucosal exposure to HBsAg-positive body fluids

from persons who have acute or chronic HBV infection. The highest concentrations of virus are in blood and serous fluids; lower titers are found in other fluids, such as saliva and semen. Saliva can be a vehicle of transmission through bites; however, other types of exposure to saliva, including kissing, are unlikely modes of transmission. There appears to be no transmission of HBV via tears, sweat, urine, stool, or droplet nuclei.

#### 111

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 215-216

#### 112

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 217, schéma 1

#### 113 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

En supposant un million de porteurs sur une population de 324 millions d'habitants. Plotkin 2013 estime entre 800 000 et 1 400 000 le nombre de porteurs américains (voir p. 215).

#### 114 Nom de la page :

Recommendations of the Immunization Practices Advisory Committee Prevention of Perinatal Transmission of Hepatitis B Virus: Prenatal Screening of all Pregnant

Archive: http://archive.is/XZzZs

Women for Hepatitis B Surface Antigen

#### Site Internet:

CDC website

https://www.cdc.gov/Mmwr/preview/mmwrhtml/00000036.htm?fref=gc

L'estimation est basée sur les données du CDC avant vaccination - ci-dessous. (Plotkin 2013 fait état d'une estimation de 0,6 %).

Screening the approximately 3.5 million pregnant women per year for HBsAg would identify 16,500 positive women and allow treatment that would prevent about 3,500 infants from becoming HBV carriers.

### 115

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 215:

In the United States, the race-adjusted prevalence of HBsAg among pregnant women is about 0.6%

In 2007, a total of 1,815 HBV-associated deaths (0.56 deaths per 100,000 population) were recorded in the United States.

### 116

Nom de la page : Hepatitis B virus

Archive:

http://archive.is/oOPwj

#### Site Internet:

HSE website

http://www.hse.gov.uk/biosafety/blood-borne-viruses/hepatitis-b.htm

The UK is a low prevalence area, with a carriage rate of 0.1-0.5%, although rates may vary between individual communities.

## 117

Nom du document (traduit de l'hébreu) :

National Hepatitis Prevention Programs

http://fs.knesset.gov.il/globaldocs/MMM/40c28d55-f7f7e411-80c8-00155d010977/2 40c28d55-f7f7-e411-80c8-00155d010977 11 7600.pdf

Archive:

https://drive.google.com/ope n?id=1jWjwQsaeXHiqagzxr 2SZXJq6KuBeu78U

Auteur/Année :

Flora Koch Davidovich, Knesset Research Center, 2014

P. 2

## 118

Titre de l'article :

PMID:

Prevalence of HBsAg Carriers in Native and Immigrant PregnancFemale Populations in Israel and

PassivelActive Vaccination Against HBV of Newborns at Risk

1834799

Auteur principal/Année:

Revue:

Journal of Medical Virology

V. Bogomolski-Yahalom, 1991

Titre de l'article : Vertical HBV transmission in	Jerusalem in the vaccine era	PMID: 23330257
Auteur principal/Année : R Michaiel, 2012	Revue : Harefuah.	25550251
Titre de l'article : HBV and HCV Epidemiology	/ In Israel	
Auteur principal/Année : Eli Zuckerman, 2014	Archive:  https://drive.google.com/open?id=1 9YXVGmrRdeg7K9i7	1JcqsIZCPFZYu6q2

#### Auteur/Année : 119 Titre du document : CDC Pink Book - Hepatitis B CDC, 2011 https://drive.google.com/file/d/1PeVszIcp5GNIES278 QQX Y8tDo-Vnf3t/view?usp=sharing

The first recorded cases of "serum hepatitis," or hepatitis B, are thought to be those that followed the administration of smallpox vaccine containing human lymph to shipyard workers in Germany in 1883.

#### 120 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 205:

The largest outbreak of what is now recognized as hepatitis B was recorded in 1942, when 28,585 American soldiers inoculated with yellow fever vaccine developed jaundice and 62 died. This outbreak was traced to a specific lot of vaccine that contained human serum; a follow-up study in the 1980s confirmed the hepatitis B viral cause.

## 121-140

#### 121 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 215:

Infants born to mothers with chronic HBV infection can acquire perinatal HBV infection, which usually occurs at the time of birth; in utero transmission of HBV is relatively rare (accounting for < 2% of infections transmitted from mother to infant), and the virus is not transmitted through breastfeeding.

#### 122 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Person-to-person transmission probably occurs from inadvertent percutaneous or mucosal contact with blood or infectious body fluids during certain activities, such as sharing toothbrushes or razors, contact with exudates from dermatologic lesions, contact with saliva through bites or other breaks in the skin, premastication of food, sharing of gum and other food items, and contact with HBsAg-contaminated surfaces.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

The risk for developing chronic HBV infection varies inversely with age: approximately 90% of infants infected during the first year of life develop chronic infection, compared with 30% of children infected between ages 1 and 4 years and less than 5% of persons infected as adults.

### 124

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

In [...] areas of high endemicity [...] most infections are acquired during the perinatal period and early childhood, when the risk for developing chronic infection is greatest; acute hepatitis B is rarely detected because most infections in early childhood are asymptomatic.

### 125

Titre de l'article : Date: 'Self-Destructing' Syringes Force Safer Injection Practices

2 novembre 2011

Site Internet: **PBS** 

Archive:

http://www.pbs.org/newshour/rundown/self-destructingsyringes-force-safer-injection-practices/

http://archive.is/Z26jo

About 40 percent of all injections are given with unsterilized, reused syringes and needles, reports the World Health Organization. An estimated 1.3 million deaths — and 21.7 million new Hepatitis B infections — occur each year as a result of the unsafe practice.

### 126

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 217-218

## 127

Nom de la page :

Hepatitis B Virus: A Comprehensive Strategy for Eliminating Transmission in the United States Through Universal Childhood Vaccination: Recommendations of the Immunization Practices Advisory Committee (ACIP) Archive:

http://archive.is/kccin

Site Internet:

CDC website

https://www.cdc.gov/mmwr/preview/mmwrhtml/00033405.htm?fref=gc

Section: EPIDEMIOLOGY AND PREVENTION OF HEPATITIS B

VIRUS INFECTION

Infections among Infants and Children

128

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Other settings where person-to-person transmission typically occurs include child-care centers and schools.

#### 129 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

No increased risk for HBV infection resulting from occupational exposures has been documented in persons infrequently exposed to blood or body fluids, such as ward clerks, dietary workers, maintenance workers, housekeeping personnel, lifeguards, teachers, and persons employed in child day-care settings.

Archive:

1tNQw80K3IY-

https://drive.google.com/open?id=

FNOoaAcxrDe2oVmt0bb5p

Auteur/Année:

Auteur/Année :

Auteur/Année :

CDC, 2011

CDC, 2011

CDC, 2011

#### 130 Titre du document :

Unusual Cases of Hepatitis B Virus Transmission in the Community

http://www.immunize.org/catg.d/p2100.pdf

Auteur/Année:

Immunize.org

#### 131 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Breast-feeding clearly protects against rotavirus disease.

#### 132 Titre du document :

CDC Pink Book - Rotavirus

https://drive.google.com/file/d/17oSPucPglFR3n79hEokf30r1Rtr4-PT/view?usp=sharing

P. 244-246

#### 133 Titre du document :

CDC Pink Book - Rotavirus

https://drive.google.com/file/d/17oSPucPglFR3n79hEokf30r1Rtr4-PT/view?usp=sharing

P. 265

#### 134 Titre du document :

CDC Pink Book - Rotavirus

https://drive.google.com/file/d/17oSPucPglFR3n79hEokf30r1Rtr4-PT/view?usp=sharing

After a single natural infection, 38% of children are protected against any subsequent rotavirus infection, 77% are protected against rotavirus diarrhea, and 87% are protected against severe diarrhea. Reinfection can occur at any age.

The first infection after 3 months of age is generally the most severe.

P. 270:

In addition, infants may experience multiple episodes of rotavirus diarrhea because the initial infection may provide only partial immunity.

#### 135 Titre du document :

CDC Pink Book - Rotavirus

https://drive.google.com/file/d/17oSPucPglFR3n79hEokf30r1Rtr4-PT/view?usp=sharing

P. 266:

Auteur/Année:

CDC, 2011

Rotavirus infection is not nationally notifiable in the United States. Estimates of incidence and disease burden are based on special surveys, cohort studies, and hospital discharge data. In the prevaccine era an estimated 3 million rotavirus infections occurred every year in the United States and 95% of children experienced at least one rotavirus infection by age 5 years. The incidence of rotavirus is similar in developed and developing countries, suggesting that improved sanitation alone is not sufficient to prevent the infection.

#### 136 Titre du document :

CDC Pink Book - Rotavirus

Auteur/Année: CDC, 2011

https://drive.google.com/file/d/17oSPucPglFR3n79hEokf30r1Rtr4-PT/view?usp=sharing

#### P. 266

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

These estimates, prior to the use of rotavirus vaccines, indicated that by the end of the second or third year of life, 60% to 80% of all children developed a rotaviral diarrheal illness (approximately 2.7 million episodes per year), 1 in 6.5 sought medical attention, 1 in 70 (55,000 to 70,000 patients) were hospitalized, and 1 in 66,000 to 1 in 200,000 (20 to 60 children) died as a result of the rotavirus.

### 137

Titre de l'article :

Estimating the Number of Deaths with Rotavirus as a Cause in England and Wales

https://www.tandfonline.com/doi/pdf/10.4161/hv.3.1.3 <u>748</u>

PMID:

17264682

Archive:

https://drive.google.com/open?i d=1Dk7uJeWAlb4ftsoUHL7mq 4IYEjuQIhaX

Auteur principal/Année: Mark Jit, 2007

Revue:

**Human Vaccines** 

#### P. 5:

The two methods we used gave similarly low figures of 3.3 and 3.2 deaths a year. Hence, our analysis predicts that the annual mortality burden for rotavirus in England and Wales is extremely low. Also, these estimates do not accurately capture the mortality attributable to rotavirus alone as in almost all cases of death due to rotavirus there are other contributing causes. This suggests that universal rotavirus vaccination will have a limited impact on childhood mortality in the United Kingdom.

### 138

Nom de la page (traduit de l'hébreu) :

Rotavirus

Archive:

http://archive.is/lpSxT

#### Site Internet:

Israeli Ministry of Health

https://www.health.gov.il/Subjects/pregnancy/Childbirth/Vaccination of infants/Pages/Ro ta\_Virus.aspx

The history of the disease in Israel

Before the vaccine existed, the virus caused 4,400 hospitalizations of children a year in Israel. Death from this virus is common in developing countries and very rare in developed countries and in Israel.

## 139

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 686:

Several countries that have introduced rotavirus vaccines in their national childhood immunization programs have already seen remarkable declines in severe rotavirus gastroenteritis after vaccine introduction.

### 140

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 687:

In 2010, results of phase III trials of both RotaTeq and Rotarix conducted in developing countries of Africa and Asia were reported... Although the exact reasons for the somewhat diminished performance of rotavirus vaccines in developing countries are unclear, other live oral vaccines such as those against polio, cholera, and typhoid have also not worked equally well in populations in developed and developing country settings.

## 141-160

### 141

#### Titre de l'article :

Rotavirus vaccination and herd immunity: an evidence-based review https://www.dovepress.com/rotavirus-vaccination-and-herd-immunity-an-evidence-basedreview-peer-reviewed-article-PHMT

Auteur principal/Année:

Lorna M Seybolt, 2012 Pediatric Health, Medicine and Therapeutics

A peculiarity of rotavirus natural infection, however, is that while it protects against subsequent clinical infection it does not prevent subclinical reinfection and virus circulation – a phenomenon consistently shown in cohorts of neonates, young children, and adults. A vaccine would not be expected to perform better than natural infection.

#### P. 4:

As this was only an isolated finding, the authoritative conclusion remained that rotavirus vaccines, despite being efficacious, would not be expected to significantly decrease the circulation of rotaviruses.

### Titre de l'article :

Correlates of protection for rotavirus vaccines:

Possible alternative trial endpoints, opportunities, and challenges

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC45140 48/pdf/khvi-10-12-977728.pdf

PMID:

25483685

Archive:

https://drive.google.com/open?i d=13USFrSUT1 LA2Fd5SYjaS i8n6PmT9sSH

Auteur principal/Année:

Revue:

Juana Angel, 2014

Human Vaccines & Immunotherapeutics

Natural RV infection does not generate sterilizing immunity, thus, reasonable goals of vaccination are to decrease or eliminate severe disease in children, but not to prevent infection.

### 142

#### Désignation abrégée :

Seybolt 2012

#### P. 1:

Herd immunity – the indirect protection of unimmunized individuals as a result of others being immunized – was not expected to be a benefit of rotavirus vaccination programs since the vaccines were thought to reduce severe disease but not to decrease virus transmission significantly. Postlicensure studies, however, have suggested that this

assumption may need reassessment. Studies in a variety of settings have shown evidence of greater than expected declines in rotavirus disease.

## 143

Désignation abrégée :

Seybolt 2012

#### P. 11:

Yet, it seems highly compelling that many studies in different countries, under different conditions, and using different surveillance systems have consistently found some evidence of herd immunity with similar results for both vaccines. If a real phenomenon, it may be explained by decreased circulation of rotavirus, a fact that was suggested by one prelicensure study but has not been evaluated postlicensure. An alternative explanation is transmission of the vaccine virus from immunized infants to those unimmunized resulting in secondary immunization, as in the case of oral poliovirus vaccine.

### 144

Désignation abrégée :

Seybolt 2012

#### P. 11:

The evidence regarding herd immunity associated with rotavirus vaccines is of poor quality because this effect was not anticipated and studies were not specifically designed to detect it. [...] Studies used time series with short before and/or after observation periods, a situation vulnerable to temporal changes in rotavirus activity. Also, vaccine coverage was either unknown or inferred from external sources, which may or may not have been applicable to the study group.

For all these reasons, every study reviewed has significant potential flaws in relation to herd immunity and thus should be interpreted with caution and in conjunction with other available data.

## 145

Désignation abrégée :

Seybolt 2012

P. 10

146

Titre de l'article :

PMID:

Estimating the herd immunity effect of rotavirus

vaccine

26116250

Auteur principal/Année:

Revue:

Suzanne L. Pollard, 2015

Vaccine

Thus, in this paper we present a systematic review and meta-analysis to estimate the herd effects of rotavirus vaccines... [p. 4] To our knowledge, this is the first study to estimate the herd effect of rotavirus vaccine.

### 147

Désignation abrégée :

Pollard 2015

P. 3, paragraphes 2.6-2.8

#### 148

Désignation abrégée :

Pollard 2015

There are several explanations that may explain this inconsistency [...]

Désignation abrégée :

Pollard 2015

#### P. 5:

In 13 of the 16 outcome years in Latin America, the observed reductions in all cause diarrhea hospitalizations or mortality were higher than the theoretical maximum (23.4%) reduction based on the estimated regional proportion of diarrhea mortality among children under 5 years of age.

### 150

Désignation abrégée :

Pollard 2015

#### P. 5:

We were unable to determine the functional relationship between coverage and the magnitude of herd immunity effects... If studies had reported measured coverage values at additional time points between introduction and attainment of universal coverage, we would have been better able to understand the relationship between coverage and the degree of herd immunity observed.

### 151

Désignation abrégée :

Pollard 2015

#### P. 5:

There is evidence that rotavirus vaccination confers a herd immunity effect among children under one year of age in the United States and Latin American countries. Given the high variability in vaccine efficacy across regions, more studies are needed to better examine herd immunity effects in high mortality regions.

### 152

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 1406:

There are at least 93 immunologically distinct pneumococcal serotypes that cause disease in humans... Pathogenicity varies with serotype, and different serotypes are more or less likely to affect different age groups, although all can cause disease in all age groups. To further complicate issues, the duration of carriage and the ability of a carriage episode to immunize an individual is also variable and dependent on age and serotype.

## 153

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Pneumococci are constantly on the move in the population, being transmitted and acquired at high rates, especially in young children.

### 154

Titre du document :

Auteur/Année:

CDC Pink Book - Pneumococcal Disease https://drive.google.com/file/d/17nHF95iC1QlRcMYqUTj5b6ThstrdL2d/view?usp=sharing

CDC, 2011

P. 233, 237

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 506-507

#### 155 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 504-505

#### 156 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 505

#### 157 Titre du document :

Archive:

Infectious diseases requiring notification in

https://www.health.gov.il/PublicationsFiles/ Disease1951 2010.pdf

https://drive.google.com/open?id=1QEXa9 ZV xDKvAdsUhN4ByWAfc7FbMjsH

#### Auteur/Année :

Israeli Ministry of Health, 2012

P. 103, 131

Nom du document (traduit de l'hébreu) : Estimating the herd immunity effect of rotavirus vaccine

PMID: 26116250

Auteur principal/Année: Suzanne L. Pollard, 2012

Revue: Vaccine

#### P. 2:

Thus, in this paper we present a systematic review and meta-analysis to estimate the herd effects of rotavirus vaccines... [p. 4] To our knowledge, this is the first study to estimate the herd effect of rotavirus vaccine.

#### 158 Titre du document :

Auteur/Année:

CDC Pink Book - Pneumococcal Disease

https://drive.google.com/file/d/17nHF95iC1QlRcMYqUTj5b6ThstrdL2d/view?usp=sharing

P. 238-240

CDC, 2011

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1406:

The introduction of a 7-valent pneumococcal conjugate vaccine in the United States in 2000 had a dramatic impact. Although the substantial fall in infant invasive pneumococcal disease rates was as expected, it was associated with significant falls in pneumococcal disease among adults, more than doubling the overall benefits to the community.

### 160

159

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1406:

Despite these powerful effects, wherever carriage has been studied, vaccination has not affected pneumococcal carriage rates overall, but has led to a reduction in the carriage of vaccine serotypes, with a compensatory rise in carriage of nonvaccine serotypes.

[...]

The substantial herd effect in adults in the general population indicates that either the replacement nonvaccine serotypes are less likely to cause disease in adults, or there are

qualitative differences in carriage in vaccinated children, rendering them less likely to transmit the organism.

## 161-180

### 161

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 529:

Thus, as for direct effect of PCV7s on carriage, an overall reduction of carriage of VT serotypes can be attributed to PCVs, with a parallel increase in non-VT serotypes (termed replacement). This phenomenon is expected to be of great magnitude, resulting in herd immunity against vaccine serotype disease on the one hand, but a potential for replacement disease on the other hand.

### 162

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 1406:

To a variable extent, there has also been an increase in disease associated with the replacement nonvaccine serotypes, and this has reduced the initial impact of the disease reduction by the vaccine in both children and adults.

#### Titre de l'article :

Pneumococcal serotype distribution in adults with invasive disease and in carrier children in Italy: Should we expect herd protection of adults through infants' vaccination?

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC50497 37/pdf/khvi-12-02-1102811.pdf

Auteur principal/Année : Revue:

Chiara Azzari, 2016

PMID: 26647277

Archive:

https://drive.google.com/open?i d=1kkntOBsCi3ayGCud0QdM XYfe6jE5cONm

Human Vaccines & Immunotherapeutics

#### P. 2:

The same effect was present, even though less evident, in Europe where the decrease in adult IPD associated to PCV7 serotypes was counterbalanced by a rapid increase in IPD due to non-PCV7 serotypes.

## 163

#### Titre du document :

CDC Pink Book - Pneumococcal Disease

https://drive.google.com/file/d/17nHF95iC1QlRcMYqUTj5b6ThstrdL2d/view?usp=sharing

Auteur/Année:

CDC, 2011

In 2010 a 13-valent pneumococcal conjugate vaccine (PCV13) was licensed in the United States. It contains the 7 serotypes of S pneumonia as PCV7 plus serotypes 1, 3, 5, 6A, 7F and 19A... ABCs data indicate that in 2008, a total of 61% of invasive pneumococcal disease cases among children younger than 5 years were attributable to the serotypes included in PCV13...

#### 164

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

In the United Kingdom, the story has been more complicated, as after only 3 years of use of the 7-valent vaccine, serotype replacement has forced authorities to move to a highervalency preparation.

165	Nom du document (traduit de l'hébreu) : Immunization Guide https://drive.google.com/open?id=1db5nqObGNR g8QwTaOUuTARsisHlPrf4U	Auteur/Année : Israeli Ministry of Health, 2015
	P. 10	

#### 166 Titre de l'article :

Effect of use of 13-valent pneumococcal conjugate vaccine in children on invasive pneumococcal disease in children and adults in the USA: analysis of multisite, population-based surveillance

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC48768 55/pdf/nihms787116.pdf

PMID: 25656600

Archive:

https://drive.google.com/open?i d=1t24aage5OhA0oNKvLuO8i UTca0D-tSEe

Auteur principal/Année : Revue:

Matthew R Moore, 2015 European Respiratory Journal

#### P. 7:

Our analysis shows there were substantial and rapid reductions in IPD within 3 years of the introduction of PCV13 in the USA. The serotypes most affected were those most common before introduction of PCV13, particularly serotypes 19A and 7F. Also, the age groups that experienced the earliest reductions in PCV13 minus PCV7 type IPD were those targeted for vaccination: children younger than 5 years.

[...]

We found a reduction in IPD in adults associated with introduction of PCV13 in children. In all adult age groups, PCV13 minus PCV7 type IPD (especially serotypes 19A and 7F) declined by 58–72%, which is comparable with that reported early after the introduction of PCV7, leading to overall reductions in IPD of 12–32%. These findings are consistent with the hypothesis that PCV13 prevents nasopharyngeal colonisation with serotypes 19A and 7F among children and, therefore, prevents trans mission of these types between children and adults.

167	Suède – Titre de l'article
	Effects of PCV7 and PCV1

3 on invasive pneumococcal disease and carriage in Stockholm, Sweden

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC48198 83/pdf/ERJ-01451-2015.pdf

PMID: 26797033

Archive:

https://drive.google.com/open?i d=1YMmi3eLP2J6vkPKhQG35 bvOIoBi5tcL8

Auteur principal/Année : Revue:

Ilias Galanis, 2016 European Respiratory Journal

#### P.9:

However, due to expansion of non-PCV13 strains, no large beneficial effect on the IPD incidence was observed by replacing PCV7 with PCV13 for the youngest children or for the elderly.

#### Italie - Titre de l'article :

Pneumococcal pneumonia prevention among adults: is the herd effect of pneumococcal conjugate vaccination in children as good a way as the active immunization of elderly?

https://www.tandfonline.com/doi/full/10.1185/0300799 5.2015.1131150

PMID: 26652736

Archive:

https://drive.google.com/open?i d=1m8hAno7UOJZoJuN2T5um XUUh2U5tH s-

Auteur principal/Année :

Rosa Prato, 2015 Current Medical Research and Opinion

#### P. 4:

In 2011, PCV13 coverage reached nearly 90% on a national basis... The hospitalization rates for pneumococcal pneumonia and the incidence rates of invasive disease in the elderly population have remained stable or increased over the past decade, suggesting that the indirect benefit of routine infant vaccination did not occur in this age group Not yet published preliminary analyses by Martinelli et al. seem to indicate that in Italy more than 65% of pneumococcal pneumonia cases in older adults were caused by the serotypes targeted by PCV13.

Danemark et Royaume-Uni – Titre de l'article : Indirect Effects of Pneumococcal Conjugate Vaccines in National Immunization Programs for Children on Adult Pneumococcal Disease

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC52040 04/pdf/ic-48-257.pdf

PMID: 28032483

Archive:

https://drive.google.com/open?i d=1UmSJwz1som0iOzgCG0xX UVBJ WipDBsH

Auteur principal/Année: Young Keun Kim, 2016

Revue:

Infection & Chemotherapy

P. 4

substantially.

#### 168 Titre de l'article : PMID: Pneumococcal carriage in children and adults two years after 24657717 introduction of the thirteen valent pneumococcal conjugate vaccine in England Auteur principal/Année: Revue: Albert Jan van Hoek, 2014 Vaccine P. 3 Désignation abrégée : Azzari 2016 P. 4: NP swabs were found positive for Streptococcus pneumoniae in over 50% or healthy children included in the study, confirming our previous results. Désignation abrégée : Galanis 2016 P. 10: We observed that PCV introduction resulted in an almost complete replacement of vaccine types to NVTs in the nasopharynx of healthy children, without affecting carriage rates

169	Désignation abrégée : Azzari 2016
	P. 5: Herd protection of adults through PCV13 might be therefore more limited than what previously described for PCV7.
	Désignation abrégée : Galanis 2016
	P. 9: The herd protection effects post-PCV13 were less pronounced as compared with the effects post-PCV7. In addition, in the elderly, the incidence of IPD caused by the six extra serotypes in PCV13 remained high post-PCV13.
	Désignation abrégée : Prato 2015

#### P. 4:

The hospitalization rates for pneumococcal pneumonia and the incidence rates of invasive disease in the elderly population have remained stable or increased over the past decade, suggesting that the indirect benefit of routine infant vaccination did not occur in this age group.

[...]

In Italy, even after pediatric vaccination with PCVs, vaccine serotypes are still responsible for most pneumonia and invasive diseases in the elderly population.

## 170

Danemark et Royaume-Uni – Titre de l'article : Indirect Effects of Pneumococcal Conjugate Vaccines in National Immunization Programs for Children on Adult Pneumococcal Disease

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC52040 04/pdf/ic-48-257.pdf

PMID: 28032483

Archive:

https://drive.google.com/open?i  $\underline{d=1UmSJwz1som0iOzgCG0xX}$ UVBJ WipDBsH

Auteur principal/Année: Young Keun Kim, 2016

Revue:

Infection & Chemotherapy

P. 5:

While serotype replacement has certainly occurred and must be monitored over time, the reduction in overall IPD suggests a net-beneficial effect of PCV.

Titre de l'article :

Indirect (herd) protection, following pneumococcal conjugated vaccines

introduction: A systematic review of the literature

28449971 Archive:

Auteur principal/Année: Gal Tsaban, 2017

Revue: Vaccine

P 8 ·

Nevertheless, pneumococcal diseases burden among adult population remains a major concern in terms of morbidity, mortality, and health-economy burden.

## 171

Désignation abrégée :

Azzari 2016

P. 4:

Moreover recent studies have demonstrated that PCV is not able to eliminate carriage state forever probably because of the physiological decrease in antibody titers, which remain high enough to prevent invasive infections but not enough to prevent carriage state.

#### 172

Désignation abrégée :

Galanis 2016

P. 10:

The elimination of vaccine type strains in healthy carriage will create profound changes in the entire pneumococcal population structure within a community since different pneumococcal strains most likely coevolve as a result of reciprocal adaptation and counter-adaptation between interacting strains.

## 173

Désignation abrégée :

Galanis 2016

#### P. 10:

Our findings here demonstrate that serotype diversity during carriage increases significantly as a result of PCV vaccination. The increased serotype diversity in IPD post-PCV is most likely a reflection of the increased number of serotypes prevailing in

vaccinated carriers, which will influence the success of current vaccine strategies and must be taken into account when future strategies are developed.

### 174 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 507:

Although it would be preferable to include a larger number of different polysaccharides in a conjugate vaccine, doing so is technically challenging. Moreover, the total amount of carrier protein in the final vaccine may need to be limited because too much carrier protein can impair the antibody response to the polysaccharide antigen.

### 175 | Titre de l'article :

Conjugate Vaccines and the Carriage of Haemophilus influenzae Type b

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC26268 02/pdf/8903227.pdf PMID:

8903227 Archive :

https://drive.google.com/open?i d=1VP5OvAZPxbSZzJesAzsaP -k7NqskaMGK

Auteur principal/Année : Revue :

Marina L. Barbour, 1996 Emerging Infectious Diseases

#### P. 2:

It seems that close contact and generous exchange of respiratory secretions is required for the transmission of Hib between hosts. Even when the contact between a known carrier and a susceptible child is intimate, spread of Hib occurs slowly over weeks or months.

### 176 Titre du document :

CDC Pink Book – Haemophilus influenzae type b <a href="https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p">https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p</a> OZMPGnuFj-V/view?usp=sharing

Auteur/Année : CDC, 2011

P. 88-91

#### 177 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 168

Only a minority of people with Hib colonization become ill.

### 178 Titre du document :

CDC Pink Book – Haemophilus influenzae type b <a href="https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p">https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p</a> OZMPGnuFj-V/view?usp=sharing

Auteur/Année:

CDC, 2011

P. 88-90

### 179 Titre du document :

CDC Pink Book – Haemophilus influenzae type b <a href="https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p">https://drive.google.com/file/d/1WJ4IgC2gyzbnSvpmr6I5p</a> <a href="https://ozwpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSvpmr6I5pzymres.com/file/d/1WJ4IgC2gyzbnSv

Auteur/Année :

CDC, 2011

P. 91

180	Titre du document : Infectious diseases requiring notification in Israel <a href="https://www.health.gov.il/PublicationsFiles/Disease1951_2010.pdf">https://www.health.gov.il/PublicationsFiles/Disease1951_2010.pdf</a>	Archive:  https://drive.google.com/open?id=1QEXa9 ZV xDKvAdsUhN4ByWAfc7FbMjsH
	Auteur/Année : Israeli Ministry of Health, 2012	
	P. 99, 101, 127, 129	

	P. 99, 101, 127, 129		
181-2	200		
181	Titre du document : CDC Pink Book – Haemophilus influenzae typhttps://drive.google.com/file/d/1WJ4IgC2gyzbgOZMPGnuFj-V/view?usp=sharing P. 91, 93		Auteur/Année : CDC, 2011
	· ·		
182	Titre du document : Infectious diseases requiring notification in Israel <a href="https://www.health.gov.il/PublicationsFiles/Disease1951_2010.pdf">https://www.health.gov.il/PublicationsFiles/Disease1951_2010.pdf</a>		oogle.com/open?id=1QEXa9 sUhN4ByWAfc7FbMjsH
	Auteur/Année : Israeli Ministry of Health, 2012		
	P. 103, 131		
183	Désignation abrégée : Plotkin 2013 - Vaccines (6 <sup>e</sup> édition)		
	P. 180		
101	T		
184	Désignation abrégée : Plotkin 2013 - Vaccines (6° édition)		
	P. 179		
105	Titus de l'anticle :		DMID
185	Titre de l'article : Decreased Haemophilus colonization in childre with Haemophilus influenzae type b conjugate		PMID: 8463894

185	Titre de l'article : Decreased Haemophilus colonization in children vaccinated with Haemophilus influenzae type b conjugate vaccine		PMID: 8463894
	Auteur principal/Année : Trudy V. Murphy, 1993	Revue : Journal of Pediatrics	
	Titre de l'article : The Impact of Conjugate Vaccin Haemophilus influenzae Type b	Č	PMID: 7798687
	Auteur principal/Année : Marina L. Barbour , 1995	Revue : Journal of Infectious Diseases	

186	Titre de l'article : Anti-Capsular Polysaccharide Antibodies Reduce Nasopharyngeal Colonization by Haemophilus influenzae Type b in Infant Rats		PMID: 8421170
	Auteur principal/Année : Maija Kauppi, 1993	Revue : Journal of Infectious Diseases	
	Titre de l'article : Anti-capsular polysaccharide antibody concentrations in saliva after immunization with Haemophilus influenzae type b conjugate vaccines		PMID: 7603810
	Auteur principal/Année : Maija Kauppi, 1995	Revue : Pediatric Infectious Disease Journ	al
	Titre de l'article : Antibodies to <i>Haemophilus influenzae</i> Type b Polysaccharide Affect Bacterial Adherence and Multiplication		PMID: 8641812
	Auteur principal/Année : Loek van Alphen, 1996	Revue : INFECTION AND IMMUNITY	

#### 187 Nom de la page :

Chickenpox Prevention and Treatment

#### Archive:

https://web.archive.org/web/20180907094136/ https://www.cdc.gov/chickenpox/about/preven tion-treatment.html

#### Site Internet:

CDC

https://www.cdc.gov/chickenpox/about/prevention-treatment.html

Use non-aspirin medications, such as acetaminophen, to relieve fever from chickenpox. Do not use aspirin or aspirin-containing products to relieve fever from chickenpox. The use of aspirin in children with chickenpox has been associated with Reye's syndrome, a severe disease that affects the liver and brain and can cause death.

#### 188 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 837-838

#### 189 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Varicella is a highly contagious disease. Infectivity is postulated to occur by aerosol spread of virions from vesicular skin lesions, and possibly to a lesser extent from respiratory secretions.

#### 190 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 843:

In the immediate prevaccine era in the United States, an average of 4 million varicella cases occurred each year, which resulted in an average of 11,000 to 13,500 hospitalizations (4.1 to 5.0 hospitalizations per 100,000 population) and 100 to 150 deaths annually (0.4 to 0.6 per million population).

191 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 863

192 Nom de la page :

Chickenpox: public health management and guidance

Archive:

http://archive.is/6d5YH

Site Internet:

GOV.UK

https://www.gov.uk/government/collections/chickenpox-public-health-management-andguidance

Chickenpox is not a notifiable disease in England and Wales.

193 Nom de la page :

Preventing the spread of chickenpox

Archive:

http://archive.is/JhxJr

Site Internet:

NHS

http://www.nhs.uk/Conditions/Chickenpox/Pages/Prevention.aspx

There is a vaccination against chickenpox, but it's only given to people who are at a very high risk of spreading the infection to vulnerable people. These include healthcare workers and people living with someone who has a weakened immune system

194 Titre du document :

Infectious diseases requiring notification in

https://www.health.gov.il/PublicationsFiles/ Disease1951 2010.pdf

Archive:

https://drive.google.com/open?id=1QEXa9 ZV\_xDKvAdsUhN4ByWAfc7FbMjsH

Auteur/Année :

Israeli Ministry of Health, 2012

P. 127, 129

195 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Surveillance data show a major decline in chickenpox incidence in the United States as a consequence of this program, including evidence for indirect protection among infants and adults, outside the vaccinated target age groups.

196 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 860

197 Nom de la page :

WHO vaccine-preventable diseases: monitoring system

2017

Site Internet:

WHO

Archive:

http://archive.is/KsGxL

#### 198 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

From the health care payer perspective, most studies have shown that universal childhood vaccination programs will not provide savings at the current price of the vaccine.

### 199

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Beyond this, the long-term risk of zoster associated with vaccine strains is still not clear. The situation will need close monitoring in the coming years to ensure an overall public health benefit from this intervention. As a consequence of this uncertainty, several countries (eg, the United Kingdom) still prefer to use varicella vaccine selectively—for example, in high-risk patients and health-care workers - although these policies may change if the US policy proves successful and cost effective in the long term.

### 200

Titre du document :

CDC Pink Book - Rubella

https://drive.google.com/file/d/11JSySIkEL9HODpfuTATai JQwWXlIwJyK/view?usp=sharing

P. 275-279

Auteur/Année :

CDC, 2011

## 201-220

201	Titre du document :	Auteur/Année :
	CDC Pink Book – Rubella	CDC, 2011
	https://drive.google.com/file/d/11JSySIkEL9HODpfuTATai	
	JQwWXlIwJyK/view?usp=sharing	
	P. 276-277	

## 202

203

Titre du document :

CDC Pink Book - Rubella

https://drive.google.com/file/d/11JSySIkEL9HODpfuTATai JOwWXlIwJyK/view?usp=sharing

P. 279

Auteur/Année:

CDC, 2011

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

L'ouvrage Vaccines (Plotkin 2013, p. 694) fixe le niveau de morbidité du syndrome de rubéole congénitale (SRC) à 4-8 cas pour 10 000 naissances :

After that outbreak, CRS rates fell to 4 to 8 per 10,000 pregnancies until 1970, when the first vaccines were licensed.

Ce taux élevé est incompatible avec les données de morbidité du SRC aux États-Unis au cours de ces années, comme cela apparaît dans le Pink Book du CDC (p. 5 [279]) et dans le graphique présenté dans le livre Vaccines lui-même (p. 712). Ces graphiques montrent qu'en 1969-70, environ 65-67 cas de SRC ont été signalés aux États-Unis, alors que le taux de natalité était d'environ 3,7 millions de naissances par an.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

En Suède, la vaccination contre la rubéole a commencé en 1982.

P. 712:

Before 1974, a yearly average of 14 CRS cases was recorded in Sweden; there were 2 cases per year between 1975 and 1985, and there have been no cases since 1985.

### 205

#### Titre du document :

Infectious diseases requiring notification in

https://www.health.gov.il/PublicationsFiles/ Disease1951 2010.pdf

Auteur/Année:

Israeli Ministry of Health, 2012

#### Archive:

https://drive.google.com/open?id=1QEXa9 ZV xDKvAdsUhN4ByWAfc7FbMjsH

Auteur/Année:

Auteur/Année:

CDC, 2011

CDC, 2011

## 206

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 700:

The protective efficacy of rubella vaccination has been assessed (1) by observation of vaccinees and control subjects during natural epidemics and (2) by intranasal challenge of vaccinated volunteers with unattenuated or attenuated viruses. No double-blind efficacy study has been done, but there is much evidence for effectiveness.

### 207

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 711:

Rubella vaccine has had spectacular success in the United States, in terms of the number of persons vaccinated and the declining numbers of rubella cases reported. Since the licensing of the vaccine in 1969, no major epidemic of rubella has occurred, despite the previously observed 6 to 9 year cycle.

## 208

Titre du document :

CDC Pink Book - Rubella

https://drive.google.com/file/d/11JSySIkEL9HODpfuTATai JQwWXlIwJyK/view?usp=sharing

P. 281:

Follow-up studies indicate that one dose of vaccine confers long-term, probably lifelong, protection.

### 209

Titre du document :

CDC Pink Book - Rubella

https://drive.google.com/file/d/11JSySIkEL9HODpfuTATai JQwWXlIwJyK/view?usp=sharing

P. 276:

Prevention of CRS is the main objective of rubella vaccination programs in the United

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

The goal of rubella vaccination programs is the prevention of the intrauterine infection that causes CRS, and, incidentally, the occasional complication of the disease in adults

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 716

### 211

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 712:

In 1982, Sweden adopted a two-stage vaccination scheme involving the use of MMR at two ages: 18 months and 12 years. [...] Before 1974, a yearly average of 14 CRS cases was recorded in Sweden; there were 2 cases per year between 1975 and 1985, and there have been no cases since 1985.

## 212

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 712:

The Finns vaccinate with MMR at 14 to 18 months and at 6 years. Since 1986, no case of CRS has been reported. The last indigenous rubella case occurred in 1996. In 1997 and 1998, rubella has thus been eliminated from Finland.

### 213

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 712:

The policy of vaccinating schoolgirls was adopted by the British in 1970. During subsequent years, the number of reported rubella cases decreased only slightly, although the reported cases of CRS decreased approximately 75%. [...] Since October 1988, rubella vaccine as part of MMR has been recommended to all infants, and in 1994, a large-scale vaccination campaign was conducted with MR combined vaccine. Congenital rubella and terminations of pregnancy for rubella decreased markedly in England and Wales, with only one CRS case reported in 1995.

### 214

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

The provinces of Canada adopted a policy either of mass vaccination of infants or of selective vaccination of preschool-age girls. Total rubella incidence dropped in the provinces that adopted mass vaccination of infants but was not much changed in those adopting vaccination of preschool-age girls. However, reported CRS decreased throughout Canada. As of 1983, all provinces give vaccine to infants and also to 12 year old girls who have not been immunized previously.

### 215

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Although mumps generally is viewed as an acute, relatively benign communicable disease of childhood, it gained notoriety as an illness substantially affecting armies during times of mobilization.

216 Désignation abrégée : Plotkin 2013 - Vaccines (6<sup>e</sup> édition) P. 419-425 Auteur/Année: Titre du document : CDC Pink Book – Mumps CDC, 2011 https://drive.google.com/file/d/1U1YBF2qTfjCbyi3hlFKAB EDnmxJxhCqh/view?usp=sharing

217 Désignation abrégée : Plotkin 2013 - Vaccines (6e édition) P. 443 Titre du document : Archive: Infectious diseases requiring notification in https://drive.google.com/open?id=1QEXa9 ZV\_xDKvAdsUhN4ByWAfc7FbMjsH https://www.health.gov.il/PublicationsFiles/ Disease1951 2010.pdf Auteur/Année: Israeli Ministry of Health, 2012 P. 125,127

#### 218 Désignation abrégée :

P. 206-208

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

In the US, mumps vaccine was first licensed in 1967 and has been administered as MMR since 1971. The ACIP first recommended MMR vaccine in 1977 and modified this to a two-dose schedule in 1989.

#### 219 Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 435:

The effectiveness of mumps vaccines determined in field studies is lower than efficacy determined in clinical trials.

#### 220 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

In the US, reported cases of mumps decreased from more than 185,000 in the prevaccine era to 2,982 by 1985, a decrease of more than 98%. By 2003, only 231 cases were reported, an all-time low

## 221-240

### 221 Désignation abrégée : Plotkin 2013 - Vaccines (6e édition) P. 437-438

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 426

Indeed, since the 1989 implementation of a two-dose vaccination schedule in the US, reported mumps cases have decreased dramatically, although large mumps outbreaks still occur even in fully vaccinated populations, indicating that complete protection against mumps using current vaccines and vaccination schedules may not be feasible.

## 223

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 444

## 224

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 439:

In Japan, the inclusion of mumps vaccine as part of the national immunization program was halted and has yet to resume;

### 225

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1404:

Mumps notifications fell by more than 95% after introduction of the vaccine in the United States (it was licensed in 1967 and recommended universally for children in 1977), which is appreciably greater than the product of coverage and efficacy and hence a clear indication of indirect protection.

Auteur/Année:

CDC, 2011

### 226

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 357-358

## 227

Titre du document :

CDC Pink Book - Measles

 $\underline{https://drive.google.com/file/d/1Yh8xUeOHSeX78GGs8Dd}$ 

WDFCm-hiKlSDz/view?usp=sharing

P. 177-178

### 228

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 356

### 229

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

#### P. 353:

Although subclinical infection with boosting of antibody may occur with subsequent exposure, immunity after natural infection is believed to be lifelong.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

In the United States in the prevaccine era, approximately 500,000 cases of measles were reported each year, but, in reality, an entire birth cohort of approximately 4 million persons was infected annually. Associated with these cases were an estimated 500 deaths...

#### 231 Nom de la page :

Complications of measles

Archive:

http://archive.is/cTbrj

#### Site Internet:

CDC

https://www.cdc.gov/measles/about/complications.html

For every 1,000 children who get measles, one or two will die from it.

#### 232 Nom de la page :

Measles notifications and deaths in England and Wales: 1940 to 2016

https://www.gov.uk/government/publications/measles-

deaths-by-age-group-from-1980-to-2013-ons-

data/measles-notifications-and-deaths-in-england-and-

wales-1940-to-2013

Site Internet:

Public Health England

Données sur les naissances du National Bureau of

Statistics.

Nom de la page :

Trends in births and deaths over the last century

http://visual.ons.gov.uk/birthsanddeaths/

Site Internet:

**UK Office for National statistics** 

Archive:

http://archive.is/8YVzg

#### 233 Nom de la page (traduit de l'hébreu) :

Birth data in Israel

Archive:

Archive:

http://archive.is/yCIfs

http://archive.is/i0yx9

#### Site Internet:

https://tinvurl.com/v8z7v573

Titre du document :

Infectious diseases requiring notification in

Israel

https://www.health.gov.il/PublicationsFiles/

Disease1951 2010.pdf

Archive:

https://drive.google.com/open?id=1QEXa9 ZV xDKvAdsUhN4ByWAfc7FbMjsH

Auteur/Année:

Israeli Ministry of Health, 2012

Les données sur la mortalité due à la rougeole sont à la page 123.

## 234

Titre de l'article :

PMID: 26873665

Effect of vaccination programmes on mortality burden among children and young adults in the Netherlands during the 20th century: a historical analysis

Auteur principal/Année: Revue:

Maarten van Wijhe, 2016

Lancet Infectious Diseases

#### P. 6:

For measles, the contribution to the all-cause mortality burden reduced steadily over the prevaccination period, so once vaccination was introduced in 1976, the mortality burden was already too low to note a clear effect of vaccination.

## 235

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 353

## 236

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 353:

...subacute sclerosing panencephalitis (SSPE) (1 per 100,000 cases)...

Le graphique de la page 374 montre environ 45 cas de PESS aux États-Unis en 1969 (avant même que le niveau de la rougeole n'ait diminué, étant donné le délai entre la rougeole et l'apparition de la PESS).

## 237

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Young age at infection contributes to the high risk of serious complications and death. Also, malnutrition, especially vitamin A deficiency, may be an important factor leading to the marked severity of measles in the developing world because of defects in cellular (and possibly humoral) immunity.

### 238

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 365-366

### 239

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 369:

With overall incidence of measles in the United States at record low levels and no evidence of increasing incidence among previously vaccinated persons, waning immunity does not appear to constitute a problem. Although secondary vaccine failures have been documented, taken collectively, the serologic and epidemiologic data during the past 35 years indicate that vaccine provides long-term immunity.

### 240

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

As vaccination coverage increases among successive birth cohorts, measles transmission decreases, reducing the risk of measles even among unvaccinated persons. At some vaccine- induced immunity level lower than 100%, measles virus transmission is interrupted.

[...]

Mathematical models have estimated the herd immunity threshold for measles in the United States at 92% to 95%.

Experience in industrialized countries has shown that a single dose of measles vaccine, widely administered, can reduce measles transmission, but a two-dose strategy is necessary for elimination of indigenous transmission.

#### P. 365:

Measles vaccine provides both personal immunity to prevent disease when exposed to measles virus and population immunity through decreased intensity of transmission as the proportion of immune persons in a population increases. The population immunity effect decreases the risk of measles among immunized as well as unimmunized persons.

## 241-253

### 241 Titre de l'article :

Correlates of Vaccine-Induced Immunity

PMID:

<u>18558875</u>

Auteur principal/Année : Stanley A. Plotkin, 2008

Revue:

Clinical Infectious Diseases

P. 5:

A remark in passing: it has become cliche' to say that vaccines prevent only disease, not infection. Although that may be often the case, it is not a general truth. If the presence of antibodies is sufficient to prevent colonization of mucosal surfaces, vaccines can produce "sterile" immunity. Vaccines against polio, measles, rubella, Hib, pneumococcus, meningococcus, and probably human papillomavirus are all capable of preventing infection as well as disease.

### 242

Titre de l'article :

PMID:

Control of pertussis—Lessons learnt from a 10-year surveillance programme in Sweden

<u>19679218</u>

Auteur principal/Année :

Revue:

Rose-Marie Carlsson, 2009

Vaccine

#### P. 5:

Mild-to-moderate cases in semi-immune individuals may have a shorter period of contagiousness, but they contribute to the spread of disease because they often go unrecognised and the infected individuals continue with their daily activities in day-care centres, schools and workplaces.

### 243

Désignation abrégée :

Carlsson 2009

P. 1:

In 1979, whole-cell pertussis (wP) vaccine was withdrawn from the Swedish childhood vaccination programme because of decreasing effectiveness and international concerns about safety.

#### 244

Désignation abrégée :

Carlsson 2009

P. 5

Titre de l'article :

PMID:

Surveillance of infant pertussis in Sweden 1998–2012; severity of disease in relation to the national vaccination programme

25695476

Auteur principal/Année : Revue :

Rose-Marie Carlsson, 2015

Euro surveillance

#### P. 1:

Pertussis decreased in non-vaccinated infants (2003 to 2012, p < 0.001), indicating herd immunity, both in those too young to be vaccinated and those older than three months.

#### 245

#### Désignation abrégée :

Carlsson 2009

#### P. 9:

The Swedish enhanced surveillance project is sponsored by the aP vaccine manufacturers GlaxoSmithKline (Rixensart, Belgium), Sanofi Pasteur and Sanofi Pasteur MSD (Lyon,

#### Désignation abrégée :

Carlsson 2015

Financial support was obtained from the National Institute of Allergy and Infectious Diseases, Contract no. N01-AI-15125, from the European Commission, Contract no QLK2-CT-2001-01819; Eupertstrain, and from the following manufacturers an unrestricted grant: GlaxoSmithKline Vaccines, Wavre, Belgium, Sanofi Pasteur, Lyon, France, and Sanofi Pasteur MSD, Lyon, France.

#### 246

#### Désignation abrégée :

Carlsson 2009

#### P. 1:

There is also a well-established child healthcare system in Sweden, with 98-99% vaccination coverage in infancy. The coverage for the three-dose pertussis vaccination at 3, 5 and 12 months of age rapidly reached this level because the introduction of the diphtheria-tetanus-aP (DTaP) vaccine only involved a switch from DT vaccine to DTaP, and this coverage has remained unchanged during the subsequent switch to multivalent combinations including aP.

#### 247

#### Désignation abrégée :

Carlsson 2015

#### P. 3, graphique 2

#### 248

#### Désignation abrégée :

Carlsson 2009

#### P. 7:

Of the eight deaths in unvaccinated infants during the 10-year Swedish surveillance project [...] Examination of the Swedish national registry of deaths indicates that there were only three pertussis deaths in infants aged 3-11 months during the 10-year period before introduction of aP vaccination. The relevance of the difference between the two periods is uncertain...

#### 249

#### Désignation abrégée :

Carlsson 2009

#### P. 3-4:

The Swedish surveillance project was established as a continuation of an efficacy trial reporting procedure, including passive reporting from laboratories and the use of the same telephone questionnaire. This is in contrast to the active and prospective case finding in a previous efficacy trial, and the difference in reported rates between these two trials clearly indicates an almost 10-fold difference between active and passive case detection.

It is therefore likely that there has been under-reporting of pertussis cases following the introduction of aP vaccination in Sweden, and the degree of under-reporting within the country may vary.

### 250

#### Désignation abrégée : Carlsson 2009

#### P. 8:

While it is well established that wP or aP vaccination significantly reduces the overall disease burden, generalisations about the impact of vaccination on pertussis epidemiology are difficult to make because countries differ in many respects, including vaccination schedule, vaccination coverage, types of vaccines used, surveillance systems employed, crowding, mixing patterns and exposure to infection.

## 251

#### Titre de l'article :

The relationship between mucosal immunity, nasopharyngeal carriage, asymptomatic transmission and the resurgence of Bordetella pertussis

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5 580413/pdf/f1000research-6-12588.pdf

Archive:

PMID:

28928960

https://drive.google.com/open?id=1b Cru-8-TfSy2uwMt01noQ yY3B-6laEB

Auteur principal/Année: Christopher Gill, 2017

Revue: F1000 Research

#### P. 1:

The incidence of whooping cough in the US has been rising slowly since the 1970s, but the pace of this has accelerated sharply since acellular pertussis vaccines replaced the earlier whole cell vaccines in the late 1990s. A similar trend occurred in many other countries, including the UK, Canada, Australia, Ireland, and Spain, following the switch to acellular vaccines.

P. 3, graphique 1

### 252

#### Titre de l'article :

Seroprevalence of Pertussis in the Netherlands: Evidence for Increased Circulation of Bordetella

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC29957 30/pdf/pone.0014183.pdf

PMID:

21152071

Archive:

https://drive.google.com/open?i d=1uIkUYGherxA7I8LGwKvO nMdql9aFXy3f

Auteur principal/Année: Sabine C. de Greeff, 2010

Revue: PLOS One

Our results show that, although the changes in the vaccination program have reduced pertussis morbidity in childhood, they have not affected the increased infection rate in adolescent and adult pertussis.

### 253

#### Désignation abrégée :

Gill 2017

#### P. 10:

...mathematical models that include no impact on disease transmission cannot explain the observed epidemiologic data.

# Chapitre 10 : Les mystères de la polio

# 1-20

Titre de l'article : From Emergence to Eradication: The Epidemiology of Poliomyelitis Deconstructed <a href="https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf">https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf</a>		PMID: 20978089	
	Auteur principal/Année : Neal Nathanson, 2010	Revue : American Journal of Epidemiology	
	P. 2		
2	http://archive.is/L7Mv5		

3	La description institutionnelle de nombreuses sources, par	de l'histoire de la polio apparaît dans exemple :	PMID: 2994307
	Titre de l'article : The Poliomyelitis Story: A Scienhttps://www.ncbi.nlm.nih.gov/pm0018.pdf	ntific Hegira c/articles/PMC2589894/pdf/yjbm00092-	
	Auteur principal/Année : Dorothy M. Horstmann, 1985	Revue : The Yale Journal Of Biology And Medic	ine
	P. 1-2		
	Ou: Titre de l'article: History of polio vaccination <a href="https://www.ncbi.nlm.nih.gov/pm">https://www.ncbi.nlm.nih.gov/pm</a> 108.pdf	c/articles/PMC3782271/pdf/WJV-1-	PMID: 24175215
	Auteur principal/Année : Anda Baicus, 2012	Revue : World Journal of Virology	
	·	World Journal of Virology	

4	Titre du livre : Vaccines (6º édition) Publié par Elsevier Saunders <a href="https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5">https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5</a>
	Auteur principal/Année : Stanley Plotkin, 2013
	P. 573: Fortunately, in 1908 Karl Landsteiner and Eric Popper isolated the virus of poliomyelitis, and scientific study of the agent began.

5	Titre de l'article : Poliomyelitis Problems		PMID: <u>14796117</u>
	Auteur principal/Année : Archibald L. Hoyne, 1951	Revue : Medical clinics of North America	

#### P. 1:

Notwithstanding the intensive studies of investigators, very little information of practical value has been added to our knowledge of poliomyelitis during the past forty years.

#### 6 Titre de l'article :

Clinical concepts of poliomyelitis

PMID: 18148242

PMID:

PMID:

20951871

14885514

Auteur principal/Année : EB Shaw, 1949

Revue: **Pediatrics** 

P. 1:

Every aspect of poliomyelitis has been subjected to intensive study during the last two or three decades, in spite of which the clinician has not been presented with any inescapably sound doctrine regarding its epidemiology and transmission, its precise pathogenesis, or the details of diagnosis and treatment.

#### 7 Titre de l'article :

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation0 0428-0010.pdf

Auteur principal/Année: Revue:

Albert B. Sabin, 1951 American Journal of Public Health

Il cite Sigmund Freud, p. 15:

In one of these letters Freud wrote: "Even lectures I have given up, in order not to be forced to tell something that I only hope to learn some day."

#### 8 Titre de l'article :

Innate host barriers to viral trafficking and population diversity: lessons learned from poliovirus

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3234684/pdf/nihms338421.

pdf

Auteur principal/Année: Revue:

Julie K. Pfeiffer, 2010 Advances in Virus Research

During research to develop the vaccines, many questions were asked: Why did certain people develop paralysis? How does the virus move from the gut to the CNS? What limits viral trafficking to the CNS in the vast majority of infected individuals? Despite over 100 years of poliovirus research, many of these questions remain unanswered.

#### 9 Titre de l'article :

The epidemiology of poliomyelitis: enigmas surrounding its appearance,

PMID: 400274

PMID:

20978089

epidemicity, and disappearance

Auteur principal/Année: Revue:

Neal Nathanson, 1979 American Journal of Epidemiology

#### 10 Titre de l'article :

From Emergence to Eradication: The Epidemiology of Poliomyelitis Deconstructed

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf

Auteur principal/Année : Revue:

Neal Nathanson, 2010 American Journal of Epidemiology 11 Désignation abrégée : Nathanson 2010

PMID: 20978089

P 1

...polio is one of the few major diseases whose appearance in epidemic guise was so recent that it was very well documented, together with its emergence as a worldwide scourge.

 12
 Désignation abrégée : Nathanson 2010
 PMID: 20978089

 P. 3. schéma 1
 PMID: 20978089

Titre de l'article : PMID:
The Epidemiology Of Poliomyelitis
Problems at Home and Among the Armed Forces Abroad

Auteur principal/Année : Revue : Albert B. Sabin, 1947 JAMA

P. 1:

...the main problem in the epidemiology of poliomyelitis concerns the cause or causes of the sudden appearance in certain parts of the world of large numbers of paralytic cases.

Désignation abrégée : PMID:
Nathanson 2010 20978089

P. 2:

Beginning around 1880, a series of outbreaks of infantile paralysis were reported from several Scandinavian countries and the United States... Most remarkable is the almost simultaneous appearance of outbreaks in European countries and the United States.

14 Désignation abrégée : Nathanson 2010

PMID: 20978089

P 2

The disease's striking presentation, in which previously healthy infants underwent an acute febrile illness followed by localized paralysis, would have made outbreaks conspicuous. However, few if any cases were reported until late in the 19th century.

15 Titre de l'article :

PMID:

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

20242791

Auteur principal/Année : Revue : Albert B. Sabin, 1947 JAMA

P. 1:

the bulk of the evidence suggests that the epidemic outbursts, of the type which have occurred especially in the United States and a few other countries in the past thirty to forty years, are events that could not readily have been missed in the past.

16 Titre de l'article :

PMID:

The Poliomyelitis Story: A Scientific Hegira

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/vibm00092-

0018.pdf

2994307

Auteur principal/Année : Revue :

Dorothy M. Horstmann, 1985 The Yale Journal Of Biology And Medicine

P. 2:

...epidemics emerged only in economically advanced countries of the world while in the underdeveloped areas the disease remained endemic;

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

PMID: 20242791

Auteur principal/Année : Albert B. Sabin, 1947

Revue: JAMA

## P. 7:

Why did paralytic poliomyelitis become an epidemic disease only a little more than fifty years ago, and as such why does it seem to be affecting more and more the countries in which sanitation and hygiene, along with the general standard of living, are presumably making the greatest advances, while other large parts of the world, regardless of latitude, are still relatively unaffected?

18 Titre de l'article :

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

PMID: 20242791

Auteur principal/Année: Albert B. Sabin, 1947

Revue: **JAMA** 

P. 6:

.China, the Fiji Islands, Africa and certain other regions, in which only sporadic cases but no epidemics were known to occur...

19 Titre de l'article :

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

PMID:

20242791

Auteur principal/Année : Albert B. Sabin, 1947

Revue: **JAMA** 

P. 1:

...cities like Peiping, Tientsin and Shanghai, occupying approximately the same latitude in China, in which only rare sporadic cases have been recorded thus far, despite the presence in these cities for many years now of excellent western trained physicians who could not have missed such outbreaks in the native population if they had occurred.

20

Titre de l'article : Poliomyelitis Problems PMID: 14796117

Auteur principal/Année:

Revue:

Archibald L. Hoyne, 1951

Medical clinics of North America

I have been told by Chinese physicians that they had never seen poliomyelitis in their own country.

# 21-40

21 Titre de l'article : PMID:

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

20242791

Auteur principal/Année: Albert B. Sabin, 1947

Revue: **JAMA** 

P. 6-7

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

PMID: 20242791

Auteur principal/Année : Revue: Albert B. Sabin, 1947 JAMA

P. 6:

Poliomyelitis has occurred among American troops in certain foreign countries, especially the Middle East, the Philippine Islands and during the past summer Japan and North China, in numbers and under circumstances that raise puzzling questions.

### 23 Titre de l'article :

Poliomyelitis In British And American Troops In The Middle East: The Isolation Of VirusFrom Human Faeces

https://europepmc.org/backend/ptpmcrender.fcgi?accid=PMC2284416&blo\_btype=pdf

Auteur principal/Année: Revue: John R. Paul, 1944 **BMJ** 

### P. 1:

In 1941 a total of 74 cases were notified as acute poliomyelitis or encephalitis in the M.E.F., and of these 19 were fatal; in 1942 there were 32 cases, with 14 deaths. The rate among American soldiers stationed in the Middle East (during the first 10 months of 1943) has been more than 10 times that recorded in the United States for a similar period of time.

#### 24 Titre de l'article :

The Epidemiology Of Poliomyelitis

PMID: 20242791

Problems at Home and Among the Armed Forces Abroad

Auteur principal/Année: Revue: Albert B. Sabin, 1947 **JAMA** 

## P. 7:

This past summer I had occasion to observe an outbreak of poliomyelitis among American marines stationed in the Tientsin area of North China. Four men died, 1 was severely paralyzed and at least 25 others had nonparalytic attacks. There was no evidence of an outbreak of poliomyelitis in the native population at the time, and Dr. Grice, a British physician in practice in Tientsin for twenty-five years, informed me that while he not infrequently saw paralytic poliomyelitis in children in the foreign colony he rarely saw the disease among the Chinese.

### 25 Désignation abrégée : Nathanson 2010

PMID: 20978089

P. 25

In the 1950s, Casablanca had 2 sizeable populations, native Moroccans and Europeans. During the period 1947–1953, there were cases of paralytic poliomyelitis in both populations, but the attack rate was 20-fold higher in the European sector.

#### 26 Titre de l'article :

Epidemiology Of Acute Poliomyelitis In India Command

https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(45)90883-

X/fulltext?code=lancet-site

Auteur principal/Année : Revue: Douglas McAlpine, 1945 Lancet

### P. 1, tableau 1

Epidemiology Of Acute Poliomyelitis In India Command

https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(45)90883-

X/fulltext?code=lancet-site

Auteur principal/Année: Revue: Douglas McAlpine, 1945 Lancet

P. 1, tableau 3

#### 28 Titre de l'article :

Epidemiology Of Acute Poliomyelitis In India Command https://www.thelancet.com/journals/lancet/article/PIIS0140-6736(45)90883-

X/fulltext?code=lancet-site

Auteur principal/Année: Revue: Douglas McAlpine, 1945 Lancet

### P. 1, tableaux 1 et 3. En outre:

British Army at Home: For 1943 and 1944 the incidence of acute poliomyelitis was 0 02 per 1000.

### 29 Titre de l'article :

Poliomyelitis

https://jamanetwork.com/journals/jama/article-abstract/296121

Auteur principal/Année: Revue: Hart E. Van Riper, 1947 **JAMA** 

The period of evolution from sporadic to epidemic poliomyelitis corresponds roughly with the institution of widespread measures for improved sanitation. This interesting coincidence has led to the hypothesis that the virus is more widespread in areas where the sporadic disease predominates, making possible frequent exposures of the young infant to virus during the time when he still retains a high titer of passive immunity from his mother. Exposure to the virus under these conditions would surely stimulate further resistance to poliomyelitis and only occasionally result in the production of the frank disease. This theory might explain the infrequent cases of poliomyelitis in young children as they occurred in the early history of the disease in Europe and the United States. But, in regions where epidemics predominate, people are exposed to the virus less frequently and at a later period in life, when they have lost all or most of the passive immunity acquired from the mother. Thus there results a greater chance for the development of frank disease among older age groups rather than an increased resistance.

PMID:

14885514

#### 30 Titre de l'article :

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation0 0428-0010.pdf

Auteur principal/Année: Revue:

American Journal of Public Health Albert B. Sabin, 1951

## P. 15:

In general, the poorer the population, its standard of living and sanitation, the more extensively is poliomyelitis virus disseminated among them and the lower is the incidence of paralytic poliomyelitis when virulent strains of virus come their way.

#### 31 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Polioviruses probably circulated in an uninterrupted endemic manner for many centuries, infecting new cohorts of susceptible infants continuously, almost all early in life, when maternally derived antibody transferred from mother to newborn still provided some protection.

A change from endemic transmission to periodic epidemics was first observed in some temperate-climate countries (eg. Norway, Sweden, and the United States) late in the 19th century and at the beginning of the 20th century... The generally accepted explanation, supported by numerous studies, is that, in a temperate-zone climate with increased economic development and correspondingly improved resources for community sanitation and household hygiene, exposure to polioviruses was postponed to later in life.

### 32 Désignation abrégée : Nathanson 2010

PMID: 20978089

### P. 2:

The most probable hypothesis is that outbreaks were associated with an increase in the age at which poliovirus infection was occurring (4). In the pre-epidemic era, enteric infections were so ubiquitous that most infants were infected within 6–12 months, at a time when they had circulating antibodies passively derived from their nursing mothers. Although serum antibodies did not prevent enteric infection, they were sufficient to preclude viremia, thereby avoiding invasion of the central nervous system and paralysis. The result was the acquisition of active immunity under the cover of passive protection. However, with the advent of improved personal hygiene and public sanitation, the transmission of enteric infections was delayed so that some infants were first infected after 12 months of age, when levels of passive antibodies had waned, reducing the barrier against invasion of the central nervous system.

### 33 Désignation abrégée : Nathanson 2010

PMID: 20978089

Nathanson lui-même en parle comme d'une « hypothèse ». P. 2 : The most probable hypothesis is that...

34 Titre de l'article :

PMID: 400274

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance

Auteur principal/Année : Revue:

Neal Nathanson, 1979 American Journal of Epidemiology

Nathanson l'appelle « dogme central », p. 1 :

In fact, an explanation was developed, which can be considered the "central dogma" of poliomyelitis epidemiology.

#### 35 Titre de l'article :

PMID:

Studies On The Development Of Natural Immunity To Poliomyelitis In Louisiana

13827179

Auteur principal/Année: Revue:

Journal of Immunology Henry M. Gelfand, 1960

P. 4, tableau 6

Titre de l'article : PMID: Paralytic consequences of poliomyelitis infection in different parts of the 14885514 world and in different population groups https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation0 0428-0010.pdf Auteur principal/Année: Revue: Albert B. Sabin, 1951 American Journal of Public Health While the time of disappearance of placentally transmitted antibody generally depends on the original concentration, the majority of infants are devoid of placentally transmitted antibody at 5 to 6 months of age. Des résultats similaires ont été obtenus en Israël en 1960. PMID: 13814376 Titre de l'article : Epidemiology of Poliomyelitis in Israel, 1952-59 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2555311/pdf/bullwho00327 -0059.pdf Auteur principal/Année: Revue: A. Michael Davies, 1960 Bulletin of the World Health Organization

36 Titre de l'article :

P. 4

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation0 0428-0010.pdf

Auteur principal/Année: Revue:

Albert B. Sabin, 1951 American Journal of Public Health

It is evident from these data that neither among the lower income groups in the United States nor in the Far East or Egypt were Lansing antibodies (and presumably infection) acquired to any significant extent during the period of diminishing placentally transmitted antibody. The hypothesis of extensive immunization as a result of modified or subclinical infection among certain population groups during the first year of life therefore became untenable.

37 Nom de la page :

Vaccines and Immunization - Polio

Site Internet:

Museum of Healthcare

http://www.museumofhealthcare.ca/explore/exhibits/vaccinati ons/polio.html

Archive:

http://archive.is/VR6Aa

PMID:

14885514

Thus, over time, a growing percentage of children, as well as young adults, particularly among the more hygienic middle class in small towns and new suburban areas during the postwar "baby boom," were vulnerable to the poliovirus, which had a greater chance of invading the nervous system and causing paralytic damage.

38 Titre du livre :

Dirt and Disease: Polio Before FDR

https://www.amazon.com/Dirt-Disease-Medicine-American-

Society/dp/0813517869/ref=sr 1 1?s=books&ie=UTF8&qid=1476620110&sr=1-

1&keywords=9780813517865

Maison d'édition: Auteur principal/Année: Naomi Rogers, 1992 Rutgers University Press

#### 39 Titre du livre :

Dirt and Disease: Polio Before FDR

https://www.amazon.com/Dirt-Disease-Medicine-American-

Society/dp/0813517869/ref=sr 1 1?s=books&ie=UTF8&gid=1476620110&sr=1-

1&keywords=9780813517865

Auteur principal/Année : Maison d'édition : Naomi Rogers, 1992 **Rutgers University Press** 

### P. 165:

During the 1920s and 1930s the public and the scientific community developed a new image of polio. Until then polio, seen as a children's illness that rarely attached adults, was associated with immigrants and urban slums.

#### 40 Titre du livre :

Dirt and Disease: Polio Before FDR

https://www.amazon.com/Dirt-Disease-Medicine-American-

Society/dp/0813517869/ref=sr 1 1?s=books&ie=UTF8&qid=1476620110&sr=1-

1&keywords=9780813517865

Auteur principal/Année : Maison d'édition : Naomi Rogers, 1992 Rutgers University Press

### P. 9-10:

The scenes show narrow streets lined with dirty and unsanitary pushcarts, the latter filled with fly-specked cakes and candy and decaying fruit... all are touched by many hands before they are finally eaten; there are uncovered garbage cans near which cats and children play and squabble over crusts of bread and other tid-bits.

# 41-60

41	Titre de l'article : In Reaction to Zika Outbreak, Echoes of Polio	Date : 29 août 2016
	Site Internet: NYTIMES <a href="http://www.nytimes.com/2016/08/30/health/zika-outbreak-echoes-of-polio.html">http://www.nytimes.com/2016/08/30/health/zika-outbreak-echoes-of-polio.html</a>	Archive: http://archive.is/qp0YD

The first child to be paralyzed lived in a modest Italian neighborhood east of the Gowanus in Brooklyn. Polio soon jumped to Pigtown, a gritty pig-farming area, and most of the first 20 cases were in Italian children.

#### 42 Titre de l'article :

Infant Paralysis Starts a Cleanup

Date:

1<sup>er</sup> juillet 1916

### Site Internet:

NYTIMES

http://newspaperarchive.com/us/new-york/new-york/new-york-times/1916/07-01/page-7

...forty-seven [deaths] occurring since last Saturday, forty-two in Brooklyn and five in Manhattan. Italians living in crowded tenements have been the chief sufferers...

The infected area contains many old tenements and garbage and ashes are deposited in the halls. It is reported that these areas are infested with cats and the garbage and ash piles draw flies. With the co-operation of the various departments these areas are being cleaned up.

#### 43 Titre du livre :

Murderous Contagion: A Human History of Disease

https://www.amazon.com/Murderous-Contagion-Human-History-Disease/dp/1782069437

Auteur principal/Année: Maison d'édition : Mary Dobson, 2015 Quercus Publishing

But in the summer of 1916 it became clear that the epidemic, while striking hardest at the young, affected both rich and poor, long-time residents as well as recent immigrants.

# 44

Titre du livre :

Dirt and Disease: Polio Before FDR

https://www.amazon.com/Dirt-Disease-Medicine-American-

Society/dp/0813517869/ref=sr 1 1?s=books&ie=UTF8&qid=1476620110&sr=1-

1&keywords=9780813517865

Auteur principal/Année: Maison d'édition: Naomi Rogers, 1992 **Rutgers University Press** 

Poliomyelitis paralyzed infants and children. Their economic or sanitary conditions seemed to make little difference; rich or poor, clean or dirty, no child seemed immune.

# 45

### Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis https://jamanetwork.com/journals/jama/article-abstract/458738

Auteur principal/Année: Revue: Charles S. Caverly, 1896 **JAMA** 

### P. 1:

That the general sanitary surroundings and methods of living were in anywise responsible for the outbreak is also more than doubtful, since the disease showed no partiality to that class of the population whose habits and surroundings are the most unsanitary. The so-called laboring classes were oftenest affected, but not out of proportion to their numbers. These classes here, whether among the farming population or in the mills and quarries, have usually pure air, food and water. Hence, general sanitary conditions did not seem to have any influence on the epidemic.

# 46

### Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année : Revue:

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

## P. 6-7:

The reports on the conditions of the house in which the patients lived are of interest. One hundred and fifteen lived in detached houses; 110 in tenements. As to the influence of dampness, 99 lived on the first floor; 65 on the second; 12 on the third; and 6 in the upper stories; 20 occupied the whole house. Sanitary conditions were described as exceptionally good in 21. Good, in 123. Fair, in 55. Poor or bad, in 23... The house was screened in 133 cases, and not screened or insufficiently so in 80... Analyzing these data for what they are worth, it would seem that it was not an affection confined to the lower classes.

An Epidemic Of Infantile Paralysis In Western Massachusetts In 1908 https://archive.org/details/bostonmedicalsur1611mass

Auteur principal/Année : Revue:

Herbert C. Emerson, 1909 Boston Medical and Surgical Journal

### P. 118:

Investigation of the home conditions of each case shows that sanitary conditions were found to be excellent in 4 cases, good in 17, fair in 31 and bad in 17. Forty-one of the cases lived in detached houses, 17 in two-tenement and 3 in three-tenement houses, while but 8 lived in houses having four or more tenements...

The sanitary arrangements in the houses showed that 23 houses had water closets connected with the sewer and 46 had earth closets; that the sink water from 30 houses was carried into the sewer and in 39 cases it was disposed of in various ways on the land nearby or in pipes to the nearest brook, pond, etc.

#### 48 Titre du livre :

Preventive Medicine and Hygiene

https://drive.google.com/open?id=1ONdl0AG5blbj8mJM0vMupllqgVoL0T4D

Auteur principal/Année : Maison d'édition : Milton J. Rosenau, 1918 D Appleton and Company

### P. 340:

From the standpoint of prevention it is important to note that social and hygienic conditions apparently have no influence whatever in determining the infection. All classes are affected in about equal proportion.

#### 49 Titre de l'article :

PMID:

A Survey Of Neutralizing Antibodies To Poliomyelitis Virus In Cairo, Egypt

14933381

Auteur principal/Année: Revue:

John R. Paul, 1952 American Journal of Epidemiology

P. 4-5

#### 50 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année: Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

This indicated the presence of an almost constantly moderate endemicity (Levenstein K, 1937) that varied between 1.7 and 0.3 per 100,000 population during the whole reporting period. An exception were the epidemic years 1928, 1929, 1934 and 1939, when the attack rates ranged between 2.1 and 4.1 per 100,000.

#### 51 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année: Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

P. 43, schéma 4.1

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

### P. 39:

This pattern, common to the other countries in the geopolitical area, was the result of poor sanitation which favored the community transmission of infection in a slowly growing population, and to a low level of family hygiene which supported the intrafamilial spread of fecal-oral transmitted infectious diseases. The result was infection in early life, which led to immunity to polio in the majority of the population. This maintained an endemic state which prevented massive spread.

#### 53 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année: Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

### P. 41:

This population was severely affected by the disease, as expressed by an exceedingly high attack rate of 271.0 per 100,000, recorded in the year following immigration, as compared with 122.0 per 100,000 in the veteran Israeli residents.

#### 54 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

## P. 118:

There were high attack rates, which ranged between 268.0 per 100,000 in kibbutz settlements and 107.0 per 100,000 in towns, respectively. Quite strikingly, similarly high rates occurred in kibbutz and immigrant camp populations, in spite of the marked differences in terms of housing, sanitation and nutrition.

#### 55 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

P. 52-54

#### 56 Titre de l'article :

The Poliomyelitis Story: A Scientific Hegira

2994307

PMID:

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/yjbm00092-

0018.pdf

Auteur principal/Année: Revue:

Dorothy M. Horstmann, 1985 The Yale Journal Of Biology And Medicine

Estimates based on the findings suggested incidence rates comparable to those during the peak years in the United States before the introduction of vaccine in 1955.

# 57

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Lower socioeconomic status has been shown to be a risk for paralytic poliomyelitis in developing countries, probably because children belonging to the lower socioeconomic group experience more intense exposure to poliovirus (ie, a higher virus inoculum, which has been shown in experimental studies to be a risk factor for paralytic disease).

# 58

### Titre du document :

Poliovirus infection case definition summary

https://www.health.gov.au/internet/main/publishing.nsf/Content/cda-phlncdpolio.htm/\$FILE/polio.pdf

Auteur principal/Année: Archive:

Public Health Laboratory Network https://drive.google.com/open?id=1RCX0f4JIg

DWhu4Ypvf55CUPB8b1FJg3f (Australia), 2000

### P. 1:

The risk of infection is directly correlated with poor hygiene and poor sanitation and overcrowding, typically among inadequately vaccinated populations. This is a major health problem in the developing world causing mortality and morbidity among thousands of children annually.

# 59

## Titre de l'article :

PMID:

New Strategies for the Elimination of Polio from India http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.654.6533&rep=re p1&type=pdf

17110580

Auteur principal/Année: Revue: Nicholas C. Grassly, 2006 Science

High population densities and poor sanitation therefore appear to explain the persistence of polio. These factors act to facilitate the transmission not only of poliovirus but also of other enteroviruses and diarrhea...

# 60

## Titre de l'article :

PMID: 2994307

The Poliomyelitis Story: A Scientific Hegira https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/yjbm00092-0018.pdf

Auteur principal/Année: Revue:

Dorothy M. Horstmann, 1985 The Yale Journal Of Biology And Medicine

Because in third-world countries few cases of poliomyelitis are reported and epidemics do not occur, it has been assumed that the wide dissemination of the virus resulted in immunizing infections in the first years of life at a price of only rare paralytic cases. This assessment proved false...

# 61-80

# 61

### Titre de l'article :

PMID: 2994307

The Poliomyelitis Story: A Scientific Hegira https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/yjbm00092-

0018.pdf

Auteur principal/Année: Revue: Dorothy M. Horstmann, 1985 The Yale Journal Of Biology And Medicine

The likely explanation of these patterns is thought to be related to ways of life - to an improved sanitary environment in industrialized countries which protected young children from early exposure to the virus, allowing a build-up in the number of susceptibles among whom epidemics could get under way. In contrast, in the underdeveloped, largely tropical countries of the world where the sanitary environment remains poor, infection and immunity develop in the first few years of life. Thus there are not enough susceptibles for an epidemic to occur, and cases remain confined to the youngest age group.

62 Titre de l'article : Poisoning as The Cause of Poliomyelitis

PMID: 14771968

Auteur principal/Année : Revue: Ralph R. Scobey, 1950

Archives of Pediatrics

P. 29

One has only to examine critically the literature of the past and it will be found that poliomyelitis beyond doubt existed, but that it was designated by many names. The writer had found individual cases and epidemics of paralytic diseases listed by nearly 200 names prior to 1890.

63 Titre de l'article : PMID: Is the Cause of Poliomyelitis Always the Same? 13066184 Auteur principal/Année : Revue: Ralph R. Scobey, 1953 Archives of Pediatrics

P. 3-7

64 Titre de l'article : PMID: Nonpolio Causes of Polio-like Paralytic Syndromes 6740077 Auteur principal/Année: Revue: JHS Gear, 1984 Reviews of Infectious Diseases P. 1-2

65 Titre de l'article : PMID: Nonpolio Causes of Polio-like Paralytic Syndromes 6740077 Auteur principal/Année: Revue: JHS Gear, 1984 Reviews of Infectious Diseases P. 2-3

66 Titre de l'article : PMID: 18743375 Poliomyelitis-The Los Angeles Epidemic Of 1934 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1753761/pdf/calwestmed00

Auteur principal/Année: Revue: RW Meals, 1950

California And Western Medicine

Partie II, p. 2:

403-0040.pdf

We were interested in the long list of mistaken diagnoses reported by Brady and Lenarsky but found, on checking our own experiences that we had seen in this and other epidemics fifty seven different conditions suspected of being poliomyelitis.

Poliomyelitis-The Los Angeles Epidemic Of 1934

PMID: 18743375

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1753761/pdf/calwestmed00 403-0040.pdf

Auteur principal/Année : Revue:

RW Meals, 1950 California And Western Medicine

### Partie II, p. 7:

In the Chicago outbreaks of 1916 and 1917, almost every conceivable disease and condition was reported by physicians as poliomyelitis.

#### 68 Titre de l'article :

Poliomyelitis Problems

PMID: 14796117

Auteur principal/Année: Revue:

Archibald L. Hoyne, 1951 Medical clinics of North America

### P. 7:

In the midst of an epidemic a great variety of diseases and conditions have been confused with poliomyelitis. Among them are some that have been observed by the writer and which will merely be mentioned here. They are: practically all forms of bacterial meningitis but particularly tuberculosis, tetanus, rheumatic fever, mononucleosis, brain abscess, brain tumor, trichinosis, mumps meningoencephalitis, lymphocytic choriomeningitis, transverse myelitis, lead poisoning, Guillain-Barre syndrome, laryngeal diphtheria, scurvy, tonsillitis, postdiphtheritic paralysis, acute pharyngitis, diabetes and hysteria; also osteomyelitis, a foreign body in the plantar surface of the foot causing a limp, appendicitis and fracture of the fibula, skull fracture and spontaneous subarachnoid hemorrhage.

### P. 5:

It is frequently stated that no two cases of poliomyelitis are exactly alike

#### 69 Titre de l'article :

Acute Poliomyelitis With Special Reference To Early Symptomatology AndContact Histories https://www.jstor.org/stable/25361797?

Revue: Auteur principal/Année: Douglas McAlpine, 1947 **BMJ** 

P. 1, 3

#### 70 Titre de l'article :

Clinical concepts of poliomyelitis

PMID: 18148242

Auteur principal/Année : Revue: EB Shaw, 1949 **Pediatrics** 

Every aspect of poliomyelitis has been subjected to intensive study during the last two or three decades, in spite of which the clinician has not been presented with any inescapably sound doctrine regarding its epidemiology and transmission, its precise pathogenesis, or the details of diagnosis and treatment.

#### 71 Titre de l'article :

Report Of A Possibly Milk-Born Epidemic Of Infantile Paralysis

Auteur principal/Année: Revue:

John C. Dingman, 1916 New York State Journal of Medicine

> An Outbreak Of Poliomyelitis Apparently Milk Borne https://jamanetwork.com/journals/jama/article-abstract/242504

Auteur principal/Année : Revue: AC Knapp, 1926 **JAMA** 

73 Titre de l'article :

> An Institutional Outbreak Of Poliomyelitis Apparently Due To A Streptococcus In Milk https://www.jstor.org/stable/30083744

Auteur principal/Année: Revue:

Edward C. Rosenow, 1932 Journal of Infectious Diseases

74 Titre du livre :

Poliomyelitis In All Its Aspects

Auteur principal/Année : Maison d'édition: John Ruhrah, 1917 LEA & FEBIGER

P. 57:

The fact [is] that the disease seems to spread radially from an infected center so that the most recent cases are generally found to be the farthest away from the center geographically.

Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Maison d'édition : Auteur principal/Année :

Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing

Company

P. 112:

The Swedish epidemic of 1905 thus demonstrated that the mode in which the disease spreads both within the large epidemic centers and within the individual components which constitutes them, so far as it was possible to determine, was essentially analogous to that established for a number of other infectious diseases, in which transmission takes place from person to person.

75 Titre de l'article :

Dangers In The Manufacture Of Paris Green And Scheele's Green

https://www.jstor.org/stable/41829377

Année : Revue:

1917 Monthly Review of the U.S. Bureau of Labor Statistics

76 Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

An incomplete list of arsenic-tinted items compiled by the Medical Society of London in the early 18805, for example, enumerated paper, fancy and surface coloured, in sheets for covering cardboard boxes; for labels of all kinds; for advertisement cards, playing cards, wrappers for sweetmeats, cosaques, etc.; for the ornamentation of children's toys; for covering-children's and other books; for lamp shades, paperhangings for walls and other purposes; artificial leaves and flowers; wax ornaments for Christmas trees and other purposes; printed or woven fabrics intended for use as garments; printed or woven fabrics intended for use as curtains or coverings for furniture; children's toys, particularly inflated india-rubber balls with dry colour inside, painted india-rubber dolls, stands and rockers of

rocking-horses and the like, glass balls (hollow); distemper colour for decorative purposes; oil paint for the same; lithographer's colour printing; decorated tin plates, including painted labels used by butchers and others to advertise the price of provisions; japanned goods generally; Venetian and other blinds; American or leather cloth; printed table baizes; carpets, floorcloth, linoleum, book cloth and fancy bindings. To this list may be added coloured soaps, sweetmeats and false malachite. Arsenic is also used in the preparation of skins for stuffing and of some preservatives used by anatomists." Other lists, though less lengthy, often turned up additional arsenical products. The renowned British toxicologist Robert Christison observed that not only was Scheele's green used to make sweetmeats more appetizing, but that it was also added to preserves and to apple tarts, and that several children had been made ill by the latter. Others' pointed out that the green cakes in water color sets generally contained arsenic, as did dental fillings, and that people had been injured by arsenical stockings, veils, cosmetics, concert tickets, fly papers, stuffed animals, even money.

# 77

### Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition: James Whorton, 1974 Princeton University Press

### P. 49-51:

The respect in which Fowler's solution was held can be best appreciated by an enumeration of the conditions for which it was regularly prescribed. These included anemia, headache, dyspepsia, eczema, psoriasis, all other chronic skin diseases, neuralgia, chorea, epilepsy, whooping cough, asthma, bronchitis, emphysema, pulmonary tuberculosis, malaria, and cancer. In addition, Fowler's solution was suggested, at one time or another, for cholera, yellow fever, syphilis, diabetes, angina pectoris, tic douloureux, gout, arthritis, rheumatism, constipation, morning sickness, melancholia, impotence, fits of sneezing, warts, boils, and, for the careless traveler in the Orient, cobra bites.

# 78

## Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition: James Whorton, 1974 Princeton University Press

## P. 41:

The real leadership of the campaign against arsenical manufactures was assumed by the physicians of Massachusetts, most prominent among these Yankee meddlers being a foursome of Bostonians: Frank Winthrop Draper, medical examiner (coroner) of Boston and lecturer at Harvard Medical School; James Jackson Putnam, professor of neurology at Harvard; Frederick Cheever Shattuck, professor of clinical medicine; and William Barker Hills, the medical school's chemistry professor. With a diligence befitting Harvard men, these four delivered lectures and published papers on the dangers of arsenic in the household, with the express purpose of informing the citizenry, through their physicians, of products to be avoided.

# 79

## Titre de l'article :

On The Character Of The Evidence As To The Injuriousness Of Arsenic As A Domestic Poison

https://jamanetwork.com/journals/jama/article-abstract/466612

Auteur principal/Année: Revue: James J. Putnam, 1891 **JAMA** 

P. 3

On The Character Of The Evidence As To The Injuriousness Of Arsenic As A Domestic

https://jamanetwork.com/journals/jama/article-abstract/466612

Auteur principal/Année: Revue: James J. Putnam, 1891 **JAMA** 

# P. 2:

These results conclusively show: first, that the community is exposed to arsenical contamination on a very large scale.

# 81-100

#### 81 Titre du livre :

Encyclopedia of Pest Management

https://books.google.co.il/books?id=ytFoAcwI4sQC&pg=PA377&lpg=PA377#v=onepage& q&f=false

Auteur principal/Année: Maison d'édition : David Pimentel, 2013 **CRC Press** 

### P. 377:

The Colorado potato beetle, provides a prime example. It appeared as a devastating pest of potato in Iowa and Nebraska in 1861, having transferred from a native weed to an introduced relative, the potato. The beetle spread rapidly eastward, reaching the Atlantic coast in 1874, despite the use of traditional nonchemical means of control. In 1867, farmers in the west discovered that the Colorado potato beetle could be controlled with Paris green, an arsenical. Paris green was in general use by 1880 and became the first widely used pesticide in North America.

### 82 Titre du livre : War on Bugs

https://www.amazon.com/War-Bugs-Will-Allen/dp/1933392460

Auteur principal/Année: Maison d'édition: Will Allen, 2007 **CRC Press** 

Chapitre 14

#### 83 Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

This decline did not leave the field uncontested to Paris green, for shortly before 1900 the most effective arsenical insecticide of all had been discovered, during the campaign against the gypsy moth. A leaf-eating insect native to Europe, the moth was first brought to the New World by Leopold Trouvelot, a French-born Harvard astronomer with a side-interest in silkworm breeding. Some experiments dealing with the latter subject seemed to Trouvelot to require gypsy moths, and so in 1869 he imported a number of gypsy moth eggs and cared for them until the insects reached maturity. The moths wasted little time asserting their independence, and soon escaped from Trouvelot's home in Medford, Massachusetts. Twenty years later, in 1889, their descendants, in the form of caterpillars, returned to Medford, in numbers that "were so enormous that the trees were completely stripped of their leaves, the crawling caterpillars covered the sidewalks, the trunks of the shade trees, the fences and the sides of the houses, entering the houses and getting into the food and into the beds. They

were killed in countless numbers by the inhabitants who swept them up into piles, poured kerosene over them and set them on fire. Thousands upon thousands were crushed under the feet of pedestrians, and a pungent and filthy stench arose from their decaying bodies. The numbers were so great that in the still, summer nights the sound of their feeding could plainly be heard, while the pattering of the excremental pellets on the ground sounded like rain.

84 Titre de l'article :

> Historical use of lead arsenate insecticides, resulting soil contamination and implications for remediation https://drive.google.com/open?id=1aQjZsfRp8Qyjjyp4qvJx3db0a

http://archive.is/M0jdl

Archive:

n68Tsid

Auteur principal:

Francis J. Peryea

P. 1:

These properties were useful to farmers, with the consequence that LA was rapidly adopted for insecticidal use throughout the world. Lead arsenate initially was prepared by farmers at home by reacting soluble lead salts with sodium arsenate, a practice that continued in some countries through the 1930s and likely 1940s. Lead arsenate pastes and powders also were sold commercially. Their formulations became more refined over time.

85 Titre de l'article :

> Historical use of lead arsenate insecticides, resulting soil contamination and implications for remediation https://drive.google.com/open?id=1aQjZsfRp8Qyjjyp4qvJx3db0a n68Tsid

Archive: http://archive.is/M0jdl

Auteur principal:

Francis J. Peryea

P. 1-2:

Lead arsenate insecticide was used in Australia, Canada, New Zealand, and the USA (Peryea and Kammereck, 1997). It also was used in England (Gratwick, 1965), and was the principal arsenical pesticide used in France and also was used in North Africa (Balachowsky and Mesnil, 1936). Lead arsenate likely was used in many other countries, particularly where codling moth was a pest of apples.

86 Titre de l'article :

Is Acute Poliomyelitis Unusually Prevalent This Season?

Auteur principal/Année:

James J. Putnam, 1893 Boston Medical and Surgical Journal

P. 2

87 Nom de la page :

Massachusetts U-Pick Farms

Archive:

http://archive.is/gvyA7

Site Internet:

PickYourOwn.org

http://www.pickyourown.org/MAharvestcalendar.htm#apples

Nom de la page :

Pick Your Own Apples At Parlee Farms

Archive:

http://archive.is/L570h

Site Internet:

PARLEE FARMS

http://parleefarms.com/apples

Is Acute Poliomyelitis Unusually Prevalent This Season?

Auteur principal/Année: Revue:

James J. Putnam, 1893 Boston Medical and Surgical Journal

### P. 2:

...that the patients did not come to any extent, from any one locality, but from different parts of the large area of the suburbs of Boston... Very few of the patients came from Boston proper;

#### 89 Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis https://jamanetwork.com/journals/jama/article-abstract/458738

Auteur principal/Année: Revue: Charles S. Caverly, 1896 **JAMA** 

The epidemic, as I have indicated, invaded our valley in the early summer of 1894. It prevailed with increasing severity during July, apparently reached its climax about the first of August, and steadily declined until about the first of October, the last case occurring early in that month.

#### 90 Titre de l'article :

Growing Apples In Vermont

https://vermonthistory.org/images/stories/articles/histor icroots/growingapplesinvermont.pdf

Auteur principal/Année: Revue: Barbara Bellows, 1997 Historic roots

P. 3:

In the 1880s Vermont farmers were looking for new crops to grow. Some planted large apple orchards and hoped they would make a lot of money selling the fruit to markets in the big cities.

#### 91 Nom de la page :

Vermont Seasonality Calendar

Site Internet:

Vermont Agency of Agriculture

http://agriculture.vermont.gov/buy\_local/harvest\_calendar

Archive:

https://drive.google.com/open?id=

ItYY12oINmO0LV jq5vw

http://archive.is/EDfEH

#### 92 Titre du document :

ATSDR - Arsenic Toxicity

http://www.atsdr.cdc.gov/csem/arsenic/docs/arsenic

.pdf

Archive:

https://drive.google.com/open?id=17

uL KUUCnrOv-

Archive:

1Ioz5WpggWaI-

zfAP9QUkh zOoInWjXQ

### Auteur/Année :

CDC, 2009

P. 47

# Titre du document :

ATSDR - Lead Toxicity

http://www.atsdr.cdc.gov/csem/lead/docs/lead.pdf

# Archive:

https://drive.google.com/open?id=1K D8Gzk2wKXPT4UG8mpyjCvhtBk

WbaiHx

Auteur/Année: CDC, 2009 P. 45

93 Titre de l'article :

On The Character Of The Evidence As To The Injuriousness Of Arsenic As A Domestic

https://jamanetwork.com/journals/jama/article-abstract/466612

Auteur principal/Année: Revue: James J. Putnam, 1891 **JAMA** 

P. 3

#### 94 Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année : Revue:

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

P. 3:

Vulpian produced, experimentally, paralysis of the extensors and lesions resembling those of poliomyelitis in a dog by lead poisoning, and in a case of lead poisoning found pronounced poliomyelitis with colloid degeneration arid cell atrophy. Phillippe and Gauthard report a case of anterior poliomyelitis from lead poisoning and Obrastoff one from arsenical poisoning. Onuf reported the case of a painter with flaccid paralysis of both legs, in whom autopsy showed lesions characteristic of the disease.

#### 95 Titre de l'article :

Report Of An Unusual Case Of Lead Paralysis With Autopsy https://ia800201.us.archive.org/21/items/journalofnervous27ameruoft/journ alofnervous27ameruoft.pdf

Auteur principal/Année: Revue:

B. Onof, 1900 Journal of Nervous and Mental Disease

P. 155-156

#### 96 Titre de l'article :

Poisoning as The Cause of Poliomyelitis 14771968

Auteur principal/Année : Revue:

Ralph R. Scobey, 1950 Archives of Pediatrics

P. 2-3

#### 97 Titre de l'article :

Poliomyelitis Problems

PMID: 14796117

PMID:

Auteur principal/Année: Revue:

Archibald L. Hoyne, 1951 Medical clinics of North America

P. 7:

In the midst of an epidemic a great variety of diseases and conditions have been confused with poliomyelitis. Among them are some that have been observed by the writer and which will merely be mentioned here. They are: practically all forms of bacterial meningitis but particularly tuberculosis, tetanus... lead poisoning...

98 Titre de l'article : PMID: Fatal Lead Poisoning Simulating Poliomyelitis 14958999 Auteur principal/Année: Revue: Andrew F. Braff, 1952 US Armed Forces Medical Journal

99 Titre de l'article : PMID: Fatal Lead Poisoning Simulating Poliomyelitis 14958999 Auteur principal/Année: Revue: Andrew F. Braff, 1952 US Armed Forces Medical Journal Lead poisoning is easily confused with poliomyelitis of the bulbo-spinal type.

#### 100 Titre de l'article :

The History of Lead Arsenate Use in Apple Production: Comparison of itsImpact in Virginia with Other States

Auteur principal/Année: Revue: Michael J. Weaver, 2008 Journal of Pesticide Safety Education

In 1919 they discovered that common washing practices did not adequately remove arsenic residues from produce. A study conducted by the Virginia Agricultural Experiment Station (Hough et al., 1931) concluded that three sprays of lead arsenate applied in May and June did not require removal of spray residue at harvest time. However, when a third or fourth spray of lead arsenate was applied in July, followed by dry weather, excessive residues remained on the apples at harvest. Wiping or brushing apples removed only about one-third of the total arsenical residues.

# 101-120

#### 101 Titre de l'article :

The History of Lead Arsenate Use in Apple Production: Comparison of its Impact in Virginia with Other States

Auteur principal/Année: Revue: Michael J. Weaver, 2008 Journal of Pesticide Safety Education

### P. 12:

The search for substitutes for LA began in earnest when it was discovered in 1919 that contemporary practices for washing produce were failing to adequately remove As residues (Shepard, 1939). Unfortunately, all of the tested alternative materials were found to provide less effective insect control or were more toxic to plants and animals. No adequate substitutes were found until 1947, when the synthetic organic insecticide dichlorodiphenyltrichloroethane (DDT) was introduced.

102	Titre de l'article : Arsenic-laced soil lingers where children play in Washington state	Date : 4 novembre 2015	
	Site Internet: PBS <a href="http://www.pbs.org/newshour/updates/arsenic-laced-soil-lingers-where-children-play-in-washington/">http://www.pbs.org/newshour/updates/arsenic-laced-soil-lingers-where-children-play-in-washington/</a>	Archive: http://archive.is/r5x3h	

#### 103 Titre du document :

Arsenic Contamination in Vermont's Private Wells

http://www.middlebury.edu/media/view/270347/original/es401 arsenic final report.pdf

Auteur principal/Année : Archive:

Peter Ryan, 2010

https://drive.google.com/open?id=1\_y5C67E8mXGhMMLZS

uwMVSdrz8-brcI

### P. 13:

High arsenic levels were found in small pockets throughout the state (Map 1-1). The most notable collection of high arsenic results were in Rutland and Bennington counties.

#### 104 Titre de l'article :

'Do Not Eat Those Apples; They've Been On The Ground!': Polio Epidemics And Preventive Measures, Sweden 1880s-1940s

PMID: 19750602

Auteur principal/Année : Per Axelsson, 2009

Revue:

Asclepio. Revista de Historia de la Medicina y de la Ciencia

### P. 8:

Medin considered polio to be an acute infectious disease, affecting the nervous system, that could cause epidemics, but he did not consider it to be contagious.

#### 105 Titre de l'article :

'Do Not Eat Those Apples; They've Been On The Ground!': Polio Epidemics And Preventive Measures, Sweden 1880s-1940s

PMID: 19750602

Auteur principal/Année : Per Axelsson, 2009

Revue:

Asclepio. Revista de Historia de la Medicina y de la Ciencia

## P.7:

As late as 1911 some physicians in Sweden still argued that polio was a disease caused by miasma. The theory of miasma implied that disease was not caused by contagions but by putrefaction, i.e. «bad air» and should be combated with cleaner environments which often meant improved hygiene and sanitation.

# 106

Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année: Maison d'édition:

Ivar Wickman, 1913

The Journal of Nervous and Mental Disease Publishing

Company

## P. 112:

Infantile paralysis is of an infectious, but not of a contagious nature. As a matter of fact, no indisputable instance of contagion could be proved.

# 107

Titre de l'article:

Is Acute Poliomyelitis Unusually Prevalent This Season?

Auteur principal/Année: Revue:

James J. Putnam, 1893 Boston Medical and Surgical Journal

### P. 2:

To what is the unfavorable influence of the summer due? It may be an affair of weather, as such, though obviously heat, pure and simple, is not the important factor; or the weather may act as favoring some other influence, perhaps bacterial in character. The reasonableness of this latter view is now conceded by many good observers; but it is certain that its advocates are still far from having made good their claim.

# 108

### Titre de l'article :

Is Acute Poliomyelitis Unusually Prevalent This Season?

Auteur principal/Année: Revue:

James J. Putnam, 1893 Boston Medical and Surgical Journal

### P. 2:

It is noteworthy, as against any strongly marked epidemic influence that the patients did not come to any extent, from any one locality, but from different parts of the large area of the suburbs of Boston.

# 109

### Titre de l'article :

NOTES OF AN EPIDEMIC OF ACUTE ANTERIOR POLIOMYELITIS

https://jamanetwork.com/journals/jama/article-abstract/458738

Auteur principal/Année: Revue: Charles S. Caverly, 1896 **JAMA** 

There was a general absence of infectious disease as an etiologic factor in this epidemic. The element of contagion does not enter into the etiology either. I find but a single instance in which more than one member of a family had the disease, and as it usually occurred in families of more than one child, and as no efforts were made at isolation, it is very certain that it was non-contagious.

# 110

## Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis https://jamanetwork.com/journals/jama/article-abstract/458738

Auteur principal/Année: Revue: Charles S. Caverly, 1896 **JAMA** 

### P. 5:

That a disease occasionally prevails epidemically suggests a specific poison, a definite toxin, and this phase of the etiology of poliomyelitis has recently received attention from foreign observers as well as from Dana, Putnam and others in this country. Thus far, however, there does not seem to have been any substantial progress made toward isolating any specific microorganism peculiar to this disease.

# 111

## Titre de l'article :

An Epidemic Of Infantile Paralysis In Western Massachusetts In 1908 https://archive.org/details/bostonmedicalsur1611mass

Auteur principal/Année: Revue:

Herbert C. Emerson, 1909 Boston Medical and Surgical Journal

With regards to the contagiousness of the disease, the investigation of this group of cases

suggests that the disease is but mildly contagious to say the most. A large number of children were in intimate contact with those that were sick, and of these children an insignificant minority developed the disease... the circumstances were particularly favorable to the investigation of points of contact between sick and well and of the detection of contagion.

#### 112 Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année: Revue:

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

Following up still further the evidence of contagion: Other cases in the family were reported in 11 instances; other cases in the same house in 9 instances; other cases among acquaintances in 20 instances. That is, in 40 cases (17%), there was reason to look into the question of contagion.

#### 113 Titre de l'article :

An Epidemic Of Infantile Paralysis In Western Massachusetts In 1908 https://archive.org/details/bostonmedicalsur1611mass

Auteur principal/Année: Revue:

Herbert C. Emerson, 1909 Boston Medical and Surgical Journal

### P. 118:

Although the cause of the disease is not known, it can undoubtedly be classed as infectious, as its distribution and incidence in localities are similar to those of other infectious diseases and strongly suggest a common cause.

## Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année :

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

### P. 2:

That anterior poliomyelitis is an infectious disease is the commonly received opinion. Since it has been seen that this cannot be regarded as established by bacterial evidence so far collected, the other evidence in favor of this view will next be investigated....

#### 114 Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année :

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

## P. 4:

This evidence tends rather toward supporting the contagious character of the disease, as established by its uneven distribution, extending from foci and not evenly scattered through the state; by its extension from Pittsfield along the lines of most frequent travel, and by the fact that there was rarely a case in one town without the occurrence of a case in the adjacent town or towns.

The Epidemiology Of Acute Poliomyelitis

Auteur principal/Année:

L. Emmet Holt, 1908 American Journal of Medical Sciences

P. 652:

In all we have collected a total of 40 instances, comprising 96 cases, in which more than I case occurred in a family or household.

#### 116 Titre de l'article :

The Epidemiology Of Acute Poliomyelitis

Auteur principal/Année :

L. Emmet Holt, 1908 American Journal of Medical Sciences

### P. 662:

The occurrence of epidemics and the relation of certain groups of cases to one another in these epidemics place beyond question the statement that acute poliomyelitis is an infectious disease.

# 117

Titre de l'article :

The Epidemiology Of Acute Poliomyelitis

Auteur principal/Année: Revue:

L. Emmet Holt, 1908 American Journal of Medical Sciences

### P. 662:

Whether we can go farther and state that the disease is communicable is an open question. After carefully considering all the evidence brought together in this paper, we cannot resist the conclusion that the disease is communicable, although only to a very slight degree.

# 118

Cas de paralysie due à des aliments avariés ou empoisonnés, tirés de la littérature médicale.

PMID: 14771968

Titre de l'article :

Poisoning as The Cause of Poliomyelitis

Auteur principal/Année: Revue:

Ralph R. Scobey, 1950 Archives of Pediatrics

P. 7-17

# 119

Titre de l'article :

An Account Of The Epidemic Outbreak Of Arsenical Poisoning

Auteur principal/Année: Revue: Ernest Septimus Reynolds, 1901 **BMJ** 

# 120

Titre de l'article :

Death in the beer-glass: the Manchester arsenic-in-beer epidemic of 1900-1 and the long-term poisoning of beer

http://www.breweryhistory.com/journal/archive/132/Death in a beerglass.pdf

Auteur principal/Année:

Matthew Copping, 2009 Journal of the Brewery History Society

# 121-140

121	Titre de l'article : Jamaica Ginger Paralysis Forty-seven-Year Follow-up		PMID: 666613
	Auteur principal/Année : John P. Morgan, 1978	Revue : Archives of	Neurology
	Titre de l'article : The Jamaica ginger paralysis		PMID: 6750161
	Auteur principal/Année : John P. Morgan, 1982	Revue : JAMA	

122 Titre du livre : Paralyzed with Fear https://www.amazon.com/Paralysed-Fear-Story-Gareth-Williams/dp/1137299754 Auteur principal/Année : Maison d'édition : Gareth Williams, 2013 Palgrave Macmillan P. 13

123 Titre du livre : Acute Poliomyelitis (Heine-Medin's Disease) Auteur principal/Année: Maison d'édition: Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing Company Chapitre 8

124 Titre du livre : Acute Poliomyelitis (Heine-Medin's Disease) Auteur principal/Année: Maison d'édition: Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing Company P. 123

### 125 Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année: Maison d'édition :

Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing

Company

## P. 116:

It is not absolutely necessary for direct contact of patient with patient to occur. Indeed, the disease seems more often to be propagated through the mediation of the healthy. As in many other epidemic maladies, spread occurs in Heine-Medin's disease by transmission from person to person.

126		Titre du livre : Acute Poliomyelitis (Heine-Medin's Disease)	
		Auteur principal/Année : Ivar Wickman, 1913	Maison d'édition :

		The Journal of Nervous and Mental Disease Publishing Company
	P. 116 et suivantes	

#### 127 Ici, par exemple:

Nom de la page :

Polio Hall of Fame

Site Internet:

Wikipedia

https://en.wikipedia.org/wiki/Polio\_Hall\_of\_Fame

Archive:

http://archive.is/nAps3

PMID:

2994307

Ivar Wickman - Discovered the epidemic character of polio (1907) and coined the term Heine-Medin disease.

Titre de l'article :

The Poliomyelitis Story: A Scientific Hegira

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/yjbm00092-

0018.pdf

Auteur principal/Année : Dorothy M. Horstmann, 1985 Revue:

The Yale Journal Of Biology And Medicine

Wickman's meticulous investigations led him to conclude that the mild cases were as contagious as the paralytic ones and were responsible for wide dissemination of the agent. This was a tremendously important discovery made...

# 128

Titre du livre:

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année: Maison d'édition:

The Journal of Nervous and Mental Disease Publishing

Company

## P. 125-126:

Ivar Wickman, 1913

Acute poliomyelitis must therefore, be included among the contagious diseases. The lateness of the recognition of this fact is due partly to the smallness of former epidemics and partly to two factors which nullified all earlier investigations of epidemic conditions; viz., first, abortive types were not considered, and, second, the possibility of infection through healthy virus carriers was not realized.

# 129

Titre du livre:

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année:

Maison d'édition :

Ivar Wickman, 1913

The Journal of Nervous and Mental Disease Publishing Company

P. 126-127

# 130

Titre du livre:

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année:

Maison d'édition :

Ivar Wickman, 1913

The Journal of Nervous and Mental Disease Publishing

Company

## P. 125:

The intimate association of the disease with the principal highways was clearly demonstrable. The relation to main roads and railways was especially striking in districts in which the cases were scattered, either singly or in small groups. A study of the local

conditions showed that dissemination must be due to the busy traffic which permitted more frequent communication between the people.

# 131

### Titre du livre :

Polio: from Emergence to Eradication

Auteur principal/Année: Matthew Smallman-Reynor, 2006

Maison d'édition : Oxford University Press

### P. 95:

The geographical distribution of poliomyelitis activity in the epidemic of 1905 is mapped in Figure 4.5... A striking feature of the epidemic pattern is the particular involvement of the southern counties of the country (map B), with the principal areas of poliomyelitis activity limited to six scattered, and geographically restricted, epidemic foci (map A)... As a rule, the infected localities were of a distinctly rural nature, with the epidemic demonstrating a marked aversion for the larger urban centers of Stockholm (ten cases). Goteborg (zero cases) and Malmo (zero cases).

# 132

### Titre du livre :

Introduction to Epidemiology (7<sup>e</sup> édition)

Auteur principal/Année: Ray M. Merrill, 2017

Maison d'édition:

Jones and Bartlet Learning

It is known that polio seems to occur in rural areas as much as, if not more than, in large cities, and Scandinavia was quite rural at the time. Less exposure to a disease led to the population's having less immunity to the disease. There seemed to be higher immunity in city dwellers and lower immunity in rural populations.

# 133

## Titre de l'article :

The Epidemiology Of Poliomyelitis With Reference To Its Mode Of Spread

Auteur principal/Année: Revue: W. Lloyd Aycock, 1926 **JAMA** 

...with concentration of population and, as has been assumed, greater person to person contact, there is a widespread distribution of the virus, resulting not in greater incidence than in rural sections, as is true of the common contact diseases, but in a widespread immunization.

# 134

## Titre de l'article :

The Epidemiology Of Poliomyelitis With Reference To Its Mode Of Spread

Auteur principal/Année: Revue: W. Lloyd Aycock, 1926 **JAMA** 

In view of the fact that there is no theoretical reason why persons in rural life should be more prone to exhibit the paralytic form of the disease, it would seem perhaps more reasonable to believe that the immunization in concentrated populations may be due to subinfective doses rather than to a mild attack of the disease.

The Epidemiology Of Poliomyelitis With Reference To Its Mode Of Spread

Auteur principal/Année: Revue: W. Lloyd Aycock, 1926 **JAMA** 

### P. 1:

The proportion of cases ascribed to direct contact, made up largely of multiple cases in families, has been stated at around 5 per cent. It has been observed that the onsets of multiple cases in families as a rule so nearly coincide that they probably represent in the majority of instances simultaneous infection. When allowance is made for this, the proportion of direct contact cases is reduced to an extremely small figure.

#### 136 Titre de l'article :

The Epidemiology Of Poliomyelitis With Reference To Its Mode Of Spread

Auteur principal/Année: Revue: W. Lloyd Aycock, 1926 **JAMA** 

P. 4-5

# 137

Titre de l'article : Poliomyelitis Problems PMID: 14796117

Auteur principal/Année:

Revue: Medical clinics of North America

Archibald L. Hoyne, 1951

### P. 13:

There is little to indicate that isolation has been a controlling influence in the spread of the disease during epidemics... Since the virus may be found in the intestinal tract for thirtyfive days or possibly longer after onset of the disease it would seem logical to disinfect all body discharges before their disposal. However, in the Cook County Contagious Disease Hospital where the latter procedure has not been used there has never been a doctor, intern, nurse or any other member of the personnel who contracted poliomyelitis within a period of at least thirty-five years, nor has any patient ever developed poliomyelitis after admission to the hospital.

# 138

Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année:

Maison d'édition :

Ivar Wickman, 1913

The Journal of Nervous and Mental Disease Publishing

Company

## P. 121:

This center contained 18 cases; ten of these were abortive and presented pronounced general symptoms... Only for six children, occupying four houses, could no contact with the other 52 who attended school be traced.

# 139

Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Auteur principal/Année: Maison d'édition :

Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing

Company

### P. 120:

It was impossible to find, how the disease penetrated the island.

140	Titre du livre : Acute Poliomyelitis (Heine-Me	du livre : Poliomyelitis (Heine-Medin's Disease)	
	Auteur principal/Année : Ivar Wickman, 1913	Maison d'édition : The Journal of Nervous and Mental Disease Publishing Company	
	P. 129-130		

# 141-160

#### 141 Titre du livre :

Infantile Paralysis In Vermont

https://archive.org/details/infantileparalys00cave

Auteur principal/Année: Maison d'édition: Charles S. Caverly, 1925 Burlington, Vermont

State Department Of Public Health

Se référant à l'épidémie de polio dans le Vermont en 1912, p. 88 :

This once more emphasizes the rather slight contagiousness of the disease

Se référant à l'épidémie de polio dans le Vermont en 1916-17, p. 150 :

While, therefore, contact infection seems to be increasingly traceable, it must still be considered a disease of rather low contagiousness.

## Et p. 167:

These figures corroborate the statement made before that while the disease is a communicable disease, it is one of low contagiousness.

Et ce, même s'il est bien conscient de la théorie de Wickman. Voir p. 158 :

Infantile Paralysis is generally recognized as a contagious disease and one that may be spread innocently by persons who have no clinical symptoms, in other words, by "abortive cases" or "healthy carriers."

#### 142 Titre de l'article :

The Epidemiology Of Poliomyelitis With Reference To Its Mode Of Spread

Revue: Auteur principal/Année: W. Lloyd Aycock, 1926 **JAMA** 

...transmission in such instances is not usually through direct contact between the individuals, nor through the intervention of missed cases or healthy carriers, but through some indirect means. This is illustrated by a recent outbreak, the epidemiologic evidence of which pointed to milk as the means of transmission.

#### 143 Titre du livre:

Acute Poliomyelitis (Heine-Medin's Disease)

Maison d'édition : Auteur principal/Année : Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing Company

### P. 126:

All the patients were supplied with milk by the farmer. The houses were separated from one another by one to two kilometers; and in five cases the illness began on the same day. Under these circumstances it seems to me extremely probable that the milk conveyed the infection.

144 Titre de l'article : PMID: Milestones in Early Poliomyelitis Research (1840 to 1949) 10233910 Auteur principal/Année: Revue: Hans J. Eggers, 1999 Journal Of Virology P. 1

145 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 573:

Fortunately, in 1908 Karl Landsteiner and Eric Popper isolated the virus of poliomyelitis, and scientific study of the agent began.

146 Titre de l'article :

PMID: Milestones in Early Poliomyelitis Research (1840 to 1949) 10233910

Auteur principal/Année: Revue:

Hans J. Eggers, 1999 Journal Of Virology

P. 1

147 Par exemple:

Titre de l'article :

The Transmission Of Acute Poliomyelitis To Monkeys

Auteur principal/Année: Revue: Simon Flexner, 1909 **JAMA** 

148 Titre du livre :

Polio: An American Story

Auteur principal/Année: Maison d'édition : David M. Oshinsky, 2006 Oxford University Press

P. 17:

In the long run, monkeys would prove invaluable to the polio story. More than 100,000 would be sacrificed in the fifty-year quest for a vaccine.

149 Ici, par exemple:

> Nom de la page : Polio Hall of Fame

Site Internet: Wikipedia

https://en.wikipedia.org/wiki/Polio Hall of Fame

Archive:

http://archive.is/nAps3

150 Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907

https://archive.org/details/b22431779

Auteur principal/Année:

Robert W. Lovett, 1908 Boston Medical and Surgical Journal

P. 3

#### 151 Par exemple:

Titre de l'article :

Epidemic Poliomyelitis In Monkeys

Auteur principal/Année: Revue: Simon Flexner, 1910 **JAMA** 

### P. 2:

Brief mention should be made of other species of animals that have been employed for inoculation. Besides many rabbits and guinea-pigs, 1 horse, 2 calves, 3 goats, 3 pigs, 3 sheep, 6 rats, 6 mice, 6 dogs and 4 cats have had active virus introduced into the brain, but without causing any appreciable effect whatever. These animals have been under observation many weeks.

#### 152 Par exemple:

Titre de l'article :

Does the Spinal Fluid from Human Poliomyelitis Contain the Specific Infective Agent?

Auteur principal/Année: Revue: HL Abramson, 1917 **JAMA** 

#### 153 Nom de la page :

Polio - Diagnostic Methods

Site Internet: Archive:

CDC website

http://archive.is/hDbJu https://www.cdc.gov/polio/us/lab-testing/diagnostic.html

Virus isolation in culture is the most sensitive method to diagnose poliovirus infection. Poliovirus is most likely to be isolated from stool specimens. It may also be isolated from pharyngeal swabs. Isolation is less likely from blood or CSF.

#### 154 Titre de l'article :

Poliomyelitis

Auteur principal/Année: Revue:

Journal of Pediatrics John A. Toomey, 1941

There has been a vast amount of research in poliomyelitis Most of the experiments have been done on M. rhesus monkeys, animals not susceptible to this disease.

#### 155 Titre du livre :

Preventive Medicine and Hygiene

https://drive.google.com/open?id=1ONdl0AG5blbj8mJM0vMupllqgVoL0T4D

Auteur principal/Année: Maison d'édition : Milton J. Rosenau, 1918 D Appleton and Company

### P. 341:

Monkeys have so far never been known to contract the disease spontaneously, even though they are kept in intimate association with infected monkeys.

# 156 | Titre o

Titre de l'article : Poliomyelitis

Auteur principal/Année :

Revue:

John A. Toomey, 1941 J

Journal of Pediatrics

P. 5:

The natural disease never acts like an upper respiratory infection in the experimental animal for no animal gets the disease from another, no matter how intimately exposed.

# 157

Titre de l'article :

John R. Paul, 1940

Poliomyelitic Virus In Urban Sewage

PMID: 19870997

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2135110/pdf/765.pdf

Auteur principal/Année:

Revue:

Journal of Experimental Medicine

P. 13:

In two out of three large urban epidemics of poliomyelitis the virus of this disease has been detected in samples of sewage. From one of the sites it was found repeatedly. Both positive sites were located in the vicinity of isolation hospitals, and we believe that the findings indicate that this virus can be transported, for short distances at least, through the medium of flowing sewage.

# 158

Titre de l'article :

Sewage as a carrier and disseminator of Poliomyelitis Virus

Auteur principal/Année:

Revue:

C. Kling, 1942

Acta Medica Scandinavica

# 159

Titre de l'article :

Sewage as a carrier and disseminator of Poliomyelitis Virus

Auteur principal/Année :

Revue:

C. Kling, 1942

Acta Medica Scandinavica

P. 15

# 160

Titre de l'article :

Sewage as a carrier and disseminator of Poliomyelitis Virus

Auteur principal/Année :

Revue :

C. Kling, 1942

Acta Medica Scandinavica

P. 5:

From these experiments it is apparent that we have succeeded in isolating the virus of poliomyelitis in a sample of sewage collected in Stockholm in the course of a minor epidemic of infantile paralysis.

# 161-180

# 161

Titre de l'article :

Sewage as a carrier and disseminator of Poliomyelitis Virus

Auteur principal/Année:

Revue :

C. Kling, 1942

Acta Medica Scandinavica

P. 32:

...we know also the vehicle where the infectious agent, while the epidemic is going on and for some time after its end, dwells, i. e. the sewage.

162 Titre de l'article :

Poliomyelitic Virus In Human Stools

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2135104/pdf/751.pdf

PMID: 19870996

Auteur principal/Année : Revue:

James D. Trask, 1940 Journal of Experimental Medicine

163 Titre de l'article :

Persistence Of Virus Excretion In The Stools Of Poliomyelitis Patients

Auteur principal/Année: Revue: Dorothy M. Horstmann, 1944 **JAMA** 

164 Titre de l'article :

Flies As Carriers Of Poliomyelitis Virus In Urban Epidemics

PMID:

17773978

Auteur principal/Année: Albert A. Sabin, 1941

Revue: Science

165 Titre de l'article :

Insects And Epidemiology Of Poliomyelitis

Auteur principal/Année: Revue: Albert A. Sabin, 1942 Science

P. 1:

The distinctly positive results which we obtained with collections of insects consisting only of flies, leaves no doubt that they are carriers of the virus.

166

Titre de l'article:

Insects And Epidemiology Of Poliomyelitis

Auteur principal/Année: Revue: Albert A. Sabin, 1942 Science

It should be noted that we were unable to obtain positive results with Rhesus monkeys, and because Cynomolgi are needed, these studies will probably have to be postponed until importation from Java is again possible.

167

Titre de l'article :

The Detection Of Poliomyelitis Virus In Flies Collected During

PMID: 19871302

PMID:

17735530

**Epidemics Of Poliomyelitis** 

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2135360/pdf/531.pdf

Auteur principal/Année: Revue:

James D. Trask, 1943 Journal of Experimental Medicine

168

Titre de l'article :

Poliomyelitis Virus In Fly-Contaminated Food Collected At An

**Epidemic** 

Auteur principal/Année : Revue:

Robert Ward, 1945

Science

Poliomyelitis Virus In Fly-Contaminated Food Collected At An **Epidemic** 

PMID: 17735530

Auteur principal/Année: Robert Ward, 1945

Revue: Science

P. 3:

Poliomyelitis virus has been detected in food exposed to flies at homes of poliomyelitis patients within an epidemic area.

# 170

Titre de l'article :

**Poliomyelitis** 

Auteur principal/Année:

Revue:

John A. Toomey, 1941

Journal of Pediatrics

### P. 25:

Most of the experiments described during this period have been made in animals given the disease by injecting virus intranasally, intratheeally, intrasciatically, or by some other artificial avenue of approach. If the virus enters the human being by way of the gastrointestinal tract, practically all except the broader conclusions, especially those that have to do with pathogenesis and the explanation of symptoms, have to be discarded in toto.

# 171

Titre de l'article :

Poisoning as The Cause of Poliomyelitis

PMID: 14771968

Auteur principal/Année: Revue:

Ralph R. Scobey, 1950 Archives of Pediatrics

## Partie II, p. 5:

The views as to the portal of entry and communicability rest fundamentally and entirely on findings from experiments on monkeys. To some of us it does not appear to square with the facts obtained by epidemiological studies of the disease among human beings. It seems to elastic, too restful. On epidemiological grounds alone, it appears conceivable that poliomyelitis is not caused by a living microorganism or a virus, but by a toxin.

# 172

Titre de l'article :

A Study Of The Origin Of An Epidemic Of Poliomyelitis

Auteur principal/Année: Martha L. Smith, 1945

Revue: **JAMA** 

Revue:

Yet, in spite of the comparative ease with which poliomyelitis may be experimentally transferred to monkeys from these reservoirs, it has not been established that the virus in such form gives rise to the human disease. The possibility undoubtedly exists, but direct proof is still lacking.

# 173

Titre de l'article :

The Polioviruses Of Man

Auteur principal/Année :

Stanley A. Plotkin, 1962 Annals of New York Academy of Sciences

P. 13, tableau 10

Nom de la page :

Pink Book - Polio

Site Internet:

CDC

https://www.cdc.gov/vaccines/pubs/pinkbook/polio.html

Archive:

http://archive.is/yvRRU

Humans are the only known reservoir of poliovirus, which is transmitted most frequently by persons with inapparent infections.

# 174 Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis <a href="https://jamanetwork.com/journals/jama/article-abstract/458738">https://jamanetwork.com/journals/jama/article-abstract/458738</a>

Auteur principal/Année : Revue : Charles S. Caverly, 1896 JAMA

### P. 4:

During this epidemic and in the same geographical area, an acute nervous disease, paralytic in its nature, affected domestic animals. Horses, dogs and fowls died with these symptoms.

# 175 Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis <a href="https://jamanetwork.com/journals/jama/article-abstract/458738">https://jamanetwork.com/journals/jama/article-abstract/458738</a>

Auteur principal/Année : Revue : Charles S. Caverly, 1896 JAMA

## P. 4:

...says that the examination of a section of the lumbar portion of, the cord showed a granular degeneration and pigmentation of the ganglion cells of the anterior cornua, and atrophy of the anterior nerve roots." He further states that there was no meningitis in this case. Dr. Charles L. Dana, who made the examination of the fowl, with the aid of Dr. Dunham, of the Carnegie Laboratory, found "an acute poliomyelitis of the lumbar portion of the cord and no meningitis."

# 176 Titre de l'article :

Notes Of An Epidemic Of Acute Anterior Poliomyelitis https://jamanetwork.com/journals/jama/article-abstract/458738

Auteur principal/Année : Revue : Charles S. Caverly, 1896 JAMA

### P. 5

That domestic animals suffered with human beings in our epidemic is a noteworthy fact and one, so far as I can learn, hitherto unobserved. That such was the case can not be doubted.

# 177 Titre du livre :

Infantile Paralysis In Vermont

https://archive.org/details/infantileparalys00cave

Auteur principal/Année : Maison d'édition : Charles S. Caverly, 1925 Burlington, Vermont

State Department Of Public Health

P. 51-53

# 178 Titre du livre :

Infantile Paralysis In Vermont

https://archive.org/details/infantileparalys00cave

Auteur principal/Année :
Charles S. Caverly, 1925

Burlington, Vermont
State Department Of Public Health

P. 110

# 179 Titre du livre :

Infantile Paralysis In Vermont

https://archive.org/details/infantileparalys00cave

Auteur principal/Année : Maison d'édition : Charles S. Caverly, 1925 Burlington, Vermont

State Department Of Public Health

### P. 110:

Instances of paralysis among domestic animals have always been noted as accompanying our outbreaks of human infantile paralysis.

# 180 Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1908

Auteur principal/Année : Revue : Robert W. Lovett, 1909 Boston Medical and Surgical Journal

### P. 1:

The attention of the State Board of Massachusetts has been called to the occurrence of infantile paralysis in a mother and daughter shortly after an epidemic of "leg weakness" in the chickens of the household, and the matter is under investigation.

# 181-200

# 181 Titre de l'article :

The Occurrence Of Infantile Paralysis

In Massachusetts In 1910

Auteur principal/Année : Revue :

Robert W. Lovett, 1911 Boston Medical and Surgical Journal

### P. 4:

Total, 34 homes out of 110 had illness, paralysis or death in 82 animals near the time of the human paralysis.

# 182 Titre du livre :

A Manual On Infantile Paralysis With Modern Methods Of Treatment

Auteur principal/Année : Maison d'édition : Henry W. Frauenthal , 1914 FA Davis Company

P. 8

#### 183 Titre du livre :

A Manual On Infantile Paralysis With Modern Methods Of Treatment

Auteur principal/Année: Maison d'édition: Henry W. Frauenthal, 1914 FA Davis Company

### P. 10:

During the epidemic of 1000 cases in Minnesota in 1909 three colts were seen by Dr. H. W. Hill, epidemiologist of the Minnesota State Board of Health, ill with a disease "strongly analogous in clinical history and symptoms to the disease in the human."

#### 184 Titre du livre :

A Manual On Infantile Paralysis With Modern Methods Of Treatment

Auteur principal/Année: Maison d'édition: Henry W. Frauenthal, 1914 FA Davis Company

### P. 10:

In my veterinary practice of the past five or six years I have found a disease appearing among one- or two- year-old colts that shows a line of symptoms corresponding closely to anterior poliomyelitis in children. I have had from 5 to 10 cases a year during this time, always occurring during the summer months, and the majority of them during the month of August. The affected colts are usually found in the pasture unable to stand.

# 185

### Titre du livre:

A Manual On Infantile Paralysis With Modern Methods Of Treatment

Auteur principal/Année: Maison d'édition: Henry W. Frauenthal, 1914 FA Davis Company

### P. 11:

The State of California had an epidemic of 100 known cases of poliomyelitis in 1910. The majority of these cases occurred in San Joaquin County, and according to the September, 1910, Bulletin of the California State Board of Health, "veterinarians report a considerable number of puzzling paralyses of colts in San Joaquin County, where the largest number of cases have occurred so far."

# 186

## Titre du livre :

A Manual On Infantile Paralysis With Modern Methods Of Treatment

Auteur principal/Année: Maison d'édition: Henry W. Frauenthal, 1914 FA Davis Company

Dr. A. R. Robertson, pathologist at Drake University Medical School, reported: "Examination of fowl paralyzed after three days' acute illness (one wing, both legs). Upon exposure of the spinal cord, a distinct area of softened cord, one inch in length, of the lower dorsal and upper lumbar regions was observed. Histological sections from the affected areas revealed numerous small hemorrhages in the anterior cornua and distinct collections of cells in perivascular and perilymph channels, and tissue spaces of the anterior horns. The histological picture was that of acute poliomyelitis in man."

# 187

## Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1908

Auteur principal/Année : Revue: Robert W. Lovett, 1909 Boston Medical and Surgical Journal

It was noted by Wickman that in the Swedish epidemic of 1903 dogs were apparently affected in many instances with the children, but he was not convinced of the identity of the two affections.

#### 188 Titre du livre :

Acute Poliomyelitis (Heine-Medin's Disease)

Maison d'édition: Auteur principal/Année:

Ivar Wickman, 1913 The Journal of Nervous and Mental Disease Publishing

Company

### P. 132:

Caverley, Wickman. Peiper, and others have mentioned the appearance of paralysis in animals and in fowl coincident with epidemics among human beings. But the futile inoculation of these creatures shows their affliction has nothing in common with that in man.

#### 189 Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

### 190

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

#### P. 48:

The farmer would be laughed at who undertook to manure his fields or his trees with a salt of lead or arsenic.

### 191

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

#### P. 69 (citation de 1913):

...a prominent federal entomologist could admit... that "there exists, in this country, no regulation in force and no precaution is taken toward preventing accidents resulting from the use of arsenicals".

# 192

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

P. 72-78

### 193

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

The head of the Agriculture Department's Bureau of Entemology, C. V. Riley himself, was called upon to assure readers "how utterly groundless are any fears of injury" from sprayed produce.

### 194

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition : James Whorton, 1974 **Princeton University Press** 

#### P. 84:

The Royal Commission Appointed to Inquire into Arsenical Poisoning from the Consumption of Beer and other Articles of Food and Drink was chaired by the most venerable figure in British science, the physicist Baron Kalvin, and staffed by several of the most prominent medical specialists in the nation.

### 195

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

#### P. 86:

"Pending the establishment of official standards in respect of arsenic under the Sale of Food and Drugs Acts," the commissioners decided, the evidence we have received fully justifies us in pronouncing certain quantities of arsenic in beer and in other foods as liable to be deleterious, and at the same time capable of exclusion, with comparative ease, by the careful manufacturer. In our view it would be entirely proper that penalties should be imposed under the Sale of Food and Drugs Acts upon any vendor of beer or any other liquid food, if that liquid is shown by an adequate test to contain 1/100th of a grain or more of arsenic in the gallon; and with regard to solid food-no matter

whether it is habitually consumed in large or in small quantities, or whether it is taken by itself .. . or mixed with water or other substances . . .-if the substance is shown by an adequate test to contain 1/100th grain of arsenic or more in the pound."

### 196

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition : James Whorton, 1974 **Princeton University Press** 

The Commission's recommendation, furthermore, was informally adapted by the British government and the limit of 0.01 grain per pound or gallon soon came to be referred to as the "world tolerance" for arsenic as other nations recognized the importance and validity of the Royal Commission's work.

### 197

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition : James Whorton, 1974 **Princeton University Press** 

### P. 266, note 49:

In Germany, too, there was opposition to the use of arsenicals. The chemist von der Heide found in 1906 that grapes from German vines sprayed with lead arsenate contained as much as 0.2 mg. of arsenic per 100 g. (about 0.014 grain of arsenic per pound, or 40 percent above the "world tolerance."). This discovery prompted the German Imperial Health Commission to oppose the use of lead arsenate and, in fact, the compound was eventually prohibited (temporarily) from agricultural application in Germany. Other arsenical insecticides were apparently permitted, but only under close supervision, as was generally the case in other European countries.

# Titre du livre : Before Silent Spring: Pesticides and Public Health in Pre-DDT America Auteur principal/Année : James Whorton, 1974 Maison d'édition : Princeton University Press

P. 88-90

# 199 | Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition : James Whorton, 1974 Princeton University Press

#### P. 90:

Despite the failure to effectively control the use of arsenicals insecticides, French physicians recognized their situation as superior to that of America, where no attempt at control had yet been made.

### 200

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition : James Whorton, 1974 Princeton University Press

### P. 85:

...the scale of use of arsenical insecticides in Great Britain was never comparable to that of America, though it was sufficiently great to attract the Royal Commission's attention.

# 201-220

# 201 Titre du document :

Green Book - Poliomyelitis

https://www.gov.uk/government/uploads/system/uploads/attachment\_data/file/148141/Gre\_en-Book-Chapter-26-Polio-updated-18-January-2013.pdf

Auteur/Année : Archive :

NHS, 2013 <a href="https://drive.google.com/open?id=15wYdgB3upwPEHYP7XZkU">https://drive.google.com/open?id=15wYdgB3upwPEHYP7XZkU</a>

VxQEAOXe1Lnb

P. 2, graphique 26.1

# 202 | Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année : Maison d'édition : James Whorton, 1974 Princeton University Press

### P. 71

Riley's sentiments had originally been expressed in an 1891 address to Boston's Lowell Institute and were at least questionable then. In later years, however, their frequent repetition would become dangerously misleading, for shortly after Riley's speech the average residues of arsenic on fruit and vegetables began to steadily increase. This increase was due, in part, to the growing numbers of farmers using arsenical insecticides.

### 203

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Maison d'édition: Auteur principal/Année: James Whorton, 1974 **Princeton University Press** 

P. 69:

More than two decades later, a prominent federal entomologist could admit... to a foreign inquirer that, "there exist, in this country, no regulation in force and no precaution is taken toward preventing accidents resulting from the use of arsenicals."

### 204

#### Titre du livre :

DDT - Scientists, Citizens and Public Policy

https://www.amazon.com/DDT-Scientists-Citizens-Princeton-Library/dp/0691613907

Auteur principal/Année: Maison d'édition : Thomas Dunlap, 1981 Princeton Legacy Library

#### P. 42:

When insecticide residues became a problem in the 1920s, one agency of the department, the Bureau of Plant Industry, was recommending spraying schedules to kill insect pests; another agency, the Bureau of Chemistry (replaced by the Food and Drug Administration in 1927), was seizing produce, sometimes sprayed in strict accordance with the schedules, on the grounds that it was contaminated with poisonous chemicals. The Secretary of Agriculture had to satisfy the requirements and needs of public health without alienating the main political support of the department, the farmers.

### 205

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

Chapitres 4-5

### 206

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

### P. 119:

The FDA significantly remained within the Department of Agriculture until 1940, however, so that activities such as spray-residue control continued to be hindered by the general Department emphasis on promoting agricultural prosperity.

### 207

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition : James Whorton, 1974 Princeton University Press

### P. 126:

In less diffuse terms, what the Bureau of Chemistry committed itself to at the 1919 conference was a policy of educating fruit growers to the existence of a residue problem... while avoiding any publicizing of the problem outside of agricultural circles.

#### 208 Titre du livre : Before Silent Spring: Pesticides and Public Health in Pre-DDT America Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press**

#### 209 Titre du livre :

P. 133-136

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

### P. 226:

In Czecho-Slovakia and Austria, newspaper articles and radio talks are telling the public that American apples are poisonous, and Poland has actually prohibited the entry of American apples.

### 210

### Titre du livre :

DDT - Scientists, Citizens and Public Policy

https://www.amazon.com/DDT-Scientists-Citizens-Princeton-Library/dp/0691613907

Auteur principal/Année : Maison d'édition: Thomas Dunlap, 1981 Princeton Legacy Library

#### P. 48:

Paul Dunbar, then assistant commissioner of the FDA, admitted this in an article written in 1959. Our "objective," he said, "was to persuade all departmental agencies to cooperate in working out the [spray residue] problem and to refrain meanwhile from creating public alarm."

### 211

#### Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

#### P. 201:

Introducing this educational campaign, the FDA broke with its tradition of sheltering the residue problem in secrecy. Indeed, thanks to the activity of muckrakers, the secret was already out, and the "steady diet of arsenic and lead"... was soon being publicized, if more quietly, by the FDA as well.

### 212

### Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Maison d'édition: Auteur principal/Année : James Whorton, 1974 Princeton University Press

#### P. 158:

...Harvard toxicologist Joseph Aub... stressed the insidiousness of lead poisoning. "The more severe types of intoxication by lead are very easy to recognize," he noted, "but the mild manifestations are so protean in character and develop so irregularly that differentiation between absorption and true intoxication is often nearly impossible."

### 213

### Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press**  Le Dr Frederick Tony, médecin au département de la santé publique de Chicago, a témoigné en 1927.

#### P. 147:

Q. Doctor, would it be possible for people to be poisoned by arsenate of lead on apples and pears and the doctor not know from where the poison obtained?

A. I think it is not only possible, but it would be very probable that the doctor would not realize the source of such a poison".

#### 214 Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 **Princeton University Press** 

#### P. 177:

Distribution of lead and arsenic was so complete that all members of industrialized populations carried at least traces of the metals in their tissues, and there was some serious scientific consideration being given the notion that these were normal physiological constituents.

### 215

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition : James Whorton, 1974 Princeton University Press

### P. 246-247:

The FDA's original plan had been to continue under the old system of administrative tolerances until the final report of the Public Health Service could be published, after which a hearing would be announced." But, as Paul Dunbar, Campbell's successor as Commissioner of Food and Drugs, later related: "the war intervened and made it impossible for us to hold the necessary hearings to establish tolerances... The hearings were finally held in 1950, but offered, so far as lead arsenate was concerned, only a rehash of evidence that had been familiar to the FDA for years.

# 216

Titre du livre :

Before Silent Spring: Pesticides and Public Health in Pre-DDT America

Auteur principal/Année: Maison d'édition: James Whorton, 1974 Princeton University Press

### P. 249:

Food and Drug Commissioner Paul Dunbar explained... "In general, arsenic and fluorine sprays have been replaced by DDT and other newer chemicals."

### 217

Titre de l'article :

The Occurrence Of Infantile Paralysis In Massachusetts In 1907 https://archive.org/details/b22431779

Auteur principal/Année : Robert W. Lovett, 1908 Boston Medical and Surgical Journal

### P. 6:

The disease is well recognized as one that attacks children in the first dentition and as one that prevails in the late summer and early fall.

### 218 | Titre de l'article :

Transmission Of Poliomyelitis Virus

PMID: 14889394

Auteur principal/Année :

Revue:

Albert B. Sabin, 1951 Journal of Pediatrics

#### P.8:

One of the important unsolved problems in poliomyelitis is why in temperate zones approximately 80 to 90 per cent of the cases occur during four months of the year in late summer and early autumn.

### 219

### Titre de l'article :

John R. Paul, 1952

Present Concepts And Recent Advances In Acute Poliomyelitis

Auteur principal/Année :

Revue:

AMA Archive of Internal Medicine

#### P. 8:

Thus, although it is agreed that poliomyelitis is a disease generally spread by personal contact, the situation is more complex than that, for in most parts of the world the prevalence of poliomyelitis is influenced or even dominated in a mysterious manner by season and climate. No satisfactory reason has as yet been proposed to explain the occurrence of epidemics of poliomyelitis in the temperate zones of the world at so much higher a rate in the summer than in the winter.

### 220

### Titre de l'article :

PMID:

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance

400274

Auteur principal/Année:

Revue:

Neal Nathanson, 1979

American Journal of Epidemiology

### P. 10:

Thus, looking at data for the whole country, the rates for the peak months (August and September) are over 35 times the rate for the low month (April). The regularity of this pattern over many years suggested that it was governed by a mechanism which should be ascertainable. Nevertheless, the underlying explanation has remained elusive.

# 221-240

### 221

### Titre de l'article :

PMID:

From Emergence to Eradication: The Epidemiology of Poliomyelitis

Deconstructed

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf

20978089

Auteur principal/Année : Revue :

Neal Nathanson, 2010 American Journal of Epidemiology

#### P 6

Although there is no definitive explanation for polio seasonality, there are some data worth pondering... However, until further studies are done, this hypothesis will remain speculative.

### 222

Titre de l'article :

The Epidemiology Of Poliomyelitis

Problems at Home and Among the Armed Forces Abroad

PMID: 20242791

Auteur principal/Année: Albert B. Sabin, 1947

Revue: JAMA

#### P. 4:

...it is remarkable that, unlike certain other infections of childhood, the epidemics of paralysis occur during the very months when the children are away from school.

### 223

Titre de l'article :

PMID:

Poliomyelitis Problems

Revue:

14796117

Auteur principal/Année : Archibald L. Hoyne, 1951

Medical clinics of North America

#### P. 2:

Considering that nearly all of the common acute infectious diseases predominate in the fall and winter or winter and spring, seasons when life is principally within doors and schools are in session, we are forced to ponder why poliomyelitis is epidemic in the summer.

# 224

### Titre de l'article :

PMID:

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance

400274

Auteur principal/Année:

Revue:

Neal Nathanson, 1979

American Journal of Epidemiology

No good explanation was ever documented for the occurrence of epidemics, although this was one of the most feared features of poliomyelitis and of particular concern to health officers.

### 225

### Titre de l'article :

PMID:

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation 00428-0010.pdf

14885514

Auteur principal/Année: Revue:

Albert B. Sabin, 1951 American Journal of Public Health

In New York City, for example, the attack rates during the five epidemic years have been 6 to 46 times higher than the mean annual rate for the 17 non-epidemic years between 1928 and 1947 (Table 4). The attack rate of 20.6 per 100,000 in the first London epidemic of 1947 was about ten times higher than the mean annual rate of 1.96 for the period of 1932 to 1946. The attack rate of 76.2 per 100,000 in the first Berlin epidemic of 1947 was 20 times higher than the mean annual rate for the period of 1928 to 1946.

### 226

### Titre de l'article :

PMID:

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation 00428-0010.pdf

14885514

Auteur principal/Année: Revue:

Albert B. Sabin, 1951

American Journal of Public Health

#### P. 9:

In 1928 Aycock pointed out that the accumulation of non-immunes cannot be a major

factor in the production of epidemics, because the age incidence was not found to vary materially from year to year, even during epidemics which occurred after a number of years of comparative freedom from the disease. Twenty years later, I showed that Aycock's observation was still valid, despite the fact that age selection patterns had changed over the years in certain communities.

### 227

#### Titre de l'article :

Paralytic consequences of poliomyelitis infection in different parts of the world and in different population groups

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation 00428-0010.pdf

Auteur principal/Année:

Revue:

Albert B. Sabin, 1951 American Journal of Public Health

#### P.9:

The conclusion seems inescapable that poliomyelitis epidemics are the result of the invasion of a community by strains of unusual virulence.

### 228

### Titre de l'article :

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance

PMID: 400274

PMID:

14885514

Auteur principal/Année:

Revue:

Neal Nathanson, 1979

American Journal of Epidemiology

### P. 9-10:

However, no attempt was made to compare systematically a large number of isolates from epidemic and non-epidemic settings... The relative importance of virus virulence and of elevated infection rate in the production of epidemics therefore remains unknown.

### 229

### Titre de l'article :

Poliomyelitis Problems

PMID: 14796117

Auteur principal/Année: Revue:

Archibald L. Hoyne, 1951

Medical clinics of North America

#### P. 2:

One of the strangest features of this disease is that with the great advances in sanitation and higher scale of living poliomyelitis seems to thrive. In the meantime most of the other common contagious diseases have declined markedly, with the exception of measles.

### 230

### Titre de l'article :

PMID:

From Emergence to Eradication: The Epidemiology of Poliomyelitis

Deconstructed

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf

20978089

Auteur principal/Année: Revue:

Neal Nathanson, 2010 American Journal of Epidemiology

P. 4:

In the United States, beginning in the early 1900s, annual epidemics of poliomyelitis occurred with regularity until the introduction of IPV in 1955...

231 Nom de la page :

The Effectiveness Of Immunizations

Site Internet:

HHS.GOV

https://archive.hhs.gov/nvpo/concepts/intro6.htm

Archive:

http://archive.is/A2jxM

Schéma 6

232 Titre du document :

Green Book - Poliomyelitis

https://www.gov.uk/government/uploads/system/uploads/attachment\_data/file/148141/Gre\_en-Book-Chapter-26-Polio-updated-18-January-2013.pdf

Auteur/Année : NHS, 2013

Archive:

https://drive.google.com/open?id=15wYdgB3upwPEHYP7XZkU

VxQEAOXe1Lnb

P. 2, graphique 26.1

233 Titre de l'article :

Epidemiology Of Poliomyelitis And Allied

Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

PMID:

14064722

Archive:

https://drive.google.com/open?id=1fV\_w0 3BSORQKex-hR7DkGZH44EXUwpTv

Auteur principal/Année:

Dorothy M. Horstmann, 1963

Revue:

Yale Journal of Biology and Medicine

...not until the 1940's in Japan, Czechoslovakia, the Union of South Africa, the Netherlands, Great Britain and Germany; and in France, Belgium, and most of the U.S.S.R. after 1950.

234

Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année :

Revue:

Tiberio A. Swartz, 2008

Israel Center for Disease Control (ICDC), Ministry of Health

P. 40:

This period was the most critical in the Israeli experience, with the disease suddenly occurring in high numbers, and continuing in an uninterrupted series of epidemic events called at that time "the everlasting epidemic". This new pattern of the disease was similar to that observed in western countries...

235

Sur les liens de Geigy avec le régime nazi :

Nom de la page :

Chemical firms exploited Nazi links, probe found

Site Internet:

HHS.GOV

Archive:

http://archive.is/xzpeP

http://www.swissinfo.ch/eng/chemical-firms-exploitednazi-links--probe-found/2218350

JR Geigy, Ciba, Sandoz and Hoffmann-La Roche - put their own interests ahead of humanitarian concerns in their dealing with the Nazis.

... All the companies concerned owned factories in Germany between 1933 and 1945, as well as in wartime-occupied Poland, and were important suppliers of chemicals, dyes and pharmaceuticals for the Third Reich... The ICE found the firms also had extensive contacts

among the Nazis: "Geigy maintained particularly good relations Claus Ungewitter, the Reich commissioner for chemicals ...

The report also singled out Geigy and Roche for using forced labour at their plants in Germany.

It said at least 33 Dutch and French labourers were forced to work for Geigy between 1943 and 1945, while at least 61 prisoners-of-war and 150 foreign labourers were forced to work at the Roche plant...

It said the companies' claims that they were cut off from their subsidiaries in Germany were patently false: "senior managers at the parent company in Switzerland were aware that forced labour was being used... As a rule they were not worried or uneasy about the situation, and as long as production was maintained they had no thoughts of intervening.

### 236

#### Titre du livre :

DDT – Scientists, Citizens and Public Policy

https://www.amazon.com/DDT-Scientists-Citizens-Princeton-Library/dp/0691613907

Maison d'édition : Auteur principal/Année : Thomas Dunlap, 1981 Princeton Legacy Library

#### P. 76:

Earlier insecticides had been confined by their high cost and low efficiency, to farms and orchards. DDT's combination of high toxicity to many insects. low mammalian toxicity, low cost, and suitability

for aerial spraying invited its use in areas that had been, before World War II, free of insecticides.

### 237

### Titre du livre :

The Ethics of Intensification: Agricultural Development and Cultural Change  $\underline{https://books.google.co.il/books?id=0K8qkYZdx7cC\&pg=PA66\#v=onepage\&q\&f=false}$ 

Auteur principal/Année: Maison d'édition: Julie Eckinger, 2008 Springer

### P. 66:

Safe to use in his context meant that the person exposed to DDT was unlikely to suffer acute illness. Later the criteria for "safety" underwent substantial change.

### 238

#### Titre du document :

Pharmacologic And Toxicologic Aspects Of DDT

Auteur principal/Année: Archive:

AMA Council On Pharmacy And https://drive.google.com/open?id=1nOgsZm Chemistry, 1951 np2lZuTWbEBB4jW1eiPccKlvfb

[DDT] acts primarily on the nervous system of the insect... the facts that small amounts are required and that its action is prolonged increase its value.

### 239

### Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année : Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

The solvent or carrier evaporates, leaving the surfaces covered with minute crystals of DDT. Insects that crawl over these surfaces or otherwise come in contact with them during the next 3 to 12 months are killed.

240	Titre de l'article : DDT and Silent Spring: Fifty Years After	
	Auteur principal/Année : Cristóbal S. Berry-Caban , 2011	Revue : Journal of Military and Veterans' Health
	P 1-2	

### 241-260

### 241

Titre de l'article :

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année: Revue:

Morton S. Biskind, 1949 American Journal of Digestive Diseases

#### P. 1:

Not only is it used in households with reckless abandon, so that sprays and aerosols are inhaled, the solutions are permitted to contaminate the skin, bedding and other textiles are saturated, and food and food utensils are contaminated, but DDT is also widely used in restaurants and food processing establishments and as an insecticide on crops. Cattle, sheep and other food animals are extensively dusted with it and large areas are indiscriminately sprayed from airplanes for mosquito control.

Photos de pulvérisation de DDT :

https://www.gettyimages.com/photos/spray-ddt

### 242

Nom de la page :

The DDT Collector

Site Internet:

Science History Institute

https://www.chemheritage.org/distillations/article/ddt-

collector

Archive:

https://web.archive.org/web/ 20180926062552/https://ww w.sciencehistory.org/distillat ions/article/ddt-collector

A sprayer-toting soldier stands guard on cans of Flit. Introduced by Standard Oil in 1923, the original Flit used mineral oil to exterminate flies and mosquitoes; DDT was added to the mix in the late 1940s.

### 243

Titre de l'article :

The Amount of DDT Found In The Milk Of Cows Following Spraying

Auteur principal/Année: Revue:

D. E. Howell, 1947 Journal of Dairy Science

P. 5:

Four lots of cattle were sprayed with DDT to determine the amount of this material that may appear in the milk following recommended and excessive treatment. All animals tested excreted some DDT in the milk.

### 244

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

P. 6:

Unfortunately, today contamination of food is virtually universal. Even if the farmer does not use the new insecticides (and few do not), it is a rare food that escapes contact with insecticides in storage, shipment, processing plants, warehouses and stores. Dendy, for instance, bought milk and meat on the open market in Texas, from July through December. Every specimen of these staples was found to contain DDT, from less than 0.5 p. p. m. to 13.8 p. p. m. in milk and from 3.1 p. p. m. in lean meat to 68.5 p. p. m. in fat meat.

### 245

Titre de l'article :

THE PERCUTANEOUS ABSORPTION OF DDT (2,2-BIS (P-CHLOROPHENYL 1, 1) -1, TRICHLOROETHANE) IN LABORATORY ANIMALS

Auteur principal/Année: Revue:

John H. Drayze, 1944 Journal of Pharmacology and Experimental Therapeutics

P. 8:

The above data indicate that the unlimited use of DDT solutions on the skin is not free of danger; however, some solutions of DDT have been found safe for restricted use.

### 246

Titre de l'article :

Acute And Subacute Toxicity of DDT (2,2,-bis(p-CHLOROPHENYL-1, 1, 1-) TRICHLOROETHANE) TO LABORATORY ANIMALS

Auteur principal/Année : Revue:

Geoffrey Woodard, 1944 Journal of Pharmacology and Experimental Therapeutics

P 7 ·

DDT is capable of causing subacute toxicity when given in small amounts in the diet for periods of from 3 days to 20 weeks.

### 247

Titre de l'article :

Acute And Subacute Toxicity of DDT (2,2,-bis(p-CHLOROPHENYL-1, 1, 1-) TRICHLOROETHANE) TO LABORATORY ANIMALS

Auteur principal/Année : Revue:

Geoffrey Woodard, 1944 Journal of Pharmacology and Experimental Therapeutics

Characteristic of DDT poisoning is the wide variation in individual susceptibility, making the estimate of a safely tolerated dose extremely difficult.

### 248

Titre de l'article:

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année : Revue:

Morton S. Biskind, 1949 American Journal of Digestive Diseases

P. 2:

In 1944, Smith and Stohlman of the National Institute of Health, after an extensive study on the cumulative toxicity of DDT, pointed out, "The toxicity of DDT combined with its cumulative action and absorbability from the skin places a definite health hazard on its use."

## 249

Titre de l'article:

A Case of D.D.T. Poisoning in Man

Auteur principal/Année: Revue: V. B. Wigglesworth, 1945 **BMJ** 

250 Titre de l'article : DDT Poisoning In Man

> Auteur principal/Année: Revue:

I. M. Mackerras, 1946 The Medical Journal Of Australia

P. 400

251 Titre de l'article :

D.D.T. Poisoning In Man A Suspected Case

Auteur principal/Année: Revue: A. M. G. Campbell, 1949 Lancet

252 Titre de l'article :

TOXIC EFFECTS OF 2,2-bis (p-CHLORPHENY) 1,1,1-TRICHLORETHANE (D.D.T.)

IN MAN

Auteur principal/Année: Revue: R. A. M. Case, 1945 **BMJ** 

P. 2, « Experimental »

253 Titre de l'article :

TOXIC EFFECTS OF 2,2-bis (p-CHLORPHENY) 1,1,1-TRICHLORETHANE (D.D.T.)

IN MAN

Revue: Auteur principal/Année : BMJ R. A. M. Case, 1945

P. 3

254 Titre de l'article :

> TOXIC EFFECTS OF 2,2-bis (p-CHLORPHENY) 1,1,1-TRICHLORETHANE (D.D.T.) IN MAN

Auteur principal/Année: Revue: R. A. M. Case, 1945 **BMJ** 

...it is likely that a substance known to be toxic to mammals, shown to be toxic to man under certain conditions, and in wide use may produce subclinical manifestations, not at present recognized, which will lower the health-level and efficiency of workers at risk, and that the rapidly growing use of D.D.T. will extend into circumstances where human intoxication is likely to occur.

#### 255 Titre de l'article :

TOXIC EFFECTS OF 2,2-bis (p-CHLORPHENY) 1,1,1-TRICHLORETHANE (D.D.T.) IN MAN

Auteur principal/Année: Revue: R. A. M. Case, 1945 **BMJ** 

It should be stressed that these experiments only show D.D.T. distemper to be toxic under special conditions, possibly rather more severe than would obtain in practice, and do not form the basis for any condemnation of the widespread use of D.D.T. if proper precautions are taken, particularly in the avoidance of oil contamination. They do, however, emphasize that D.D.T. intoxication in human beings is a hazard to be considered and guarded against.

256 Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année : Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

257 Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

P. 2:

DDT is a nerve poison, as indicated by the early appearance of muscular tremors and other symptoms.

258 Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

P. 2:

DDT must not be allowed to get into foods or to be ingested accidentally.

259 Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

P. 2:

One of the outstanding characteristics of DDT is its persistence. In fact, this is perhaps the major element in making it superior to many other insecticides. This persistence, however, makes it necessary to use care when applying it on crops or products intended for food or feed.

260 Titre du document :

Pharmacologic And Toxicologic Aspects Of DDT

Auteur principal/Année: Archive:

AMA Council On Pharmacy And https://drive.google.com/open?id=1nOgsZm Chemistry, 1951 np2lZuTWbEBB4jW1eiPccKlvfb

DDT must be applied cautiously to food crops, which require treatment after the development of the edible portion of the plant, if residues at the time of harvest are to be avoided... It should not be used on dairy cattle or animals being prepared for slaughter since there is a danger of accumulation of the substance in the milk and tissues of treated animals.

# 261-280

261	Titre du document : Pharmacologic And Toxicologic Aspects Of DDT		
	Auteur principal/Année :	Archive :	

AMA Council On Pharmacy And	https://drive.google.com/open?id=1nOgsZm
Chemistry, 1951	np2lZuTWbEBB4jW1eiPccKlvfb

### P. 2:

DDT is a "cerebrospinal" poison which acts primarily on the central nervous system in man and higher animals as contrasted with its apparent peripheral action in insects. The principal systemic effects in higher animals are disturbances of the central nervous system characterized by hyperexcitability, generalized tremors, spastic or flaccid paralysis and convulsions.

### 262

### Titre du document :

Pharmacologic And Toxicologic Aspects Of DDT

Auteur principal/Année: Archive:

AMA Council On Pharmacy And https://drive.google.com/open?id=1nOgsZm Chemistry, 1951 np2lZuTWbEBB4jW1eiPccKlvfb

Chronic poisoning may result from prolonged ingestion or exposure to small amounts of DDT... As in acute poisoning, there are wide individual variations in susceptibility regardless of the route of administration; this makes it difficult to establish safe tolerance levels applicable to all individuals

### 263

### Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année : Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

### P. 1-2:

From the work of these pharmacologists the following very general conclusions can be

10. When used as recommended for the control of human parasites and household insects, DDT insecticides are not harmful to human health.

#### Titre de l'article :

THE TOXICITY OF 29,2-bis (P-CHLORPHENYL) 1,,1-TRICHLORETHANE (D.D.T.)

Auteur principal/Année: Revue: G. R. Cameron, 1945 **BMJ** 

### P. 6:

D.D.T. is tolerated in fairly large amounts when administered as single or repeated doses. Toxic levels are not easily reached when dilute solutions suitable for insecticidal purposes are employed. Danger to health is likely to arise only from careless use of concentrates.

### 264

#### Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

### P. 5:

The question of safety in labeling and handling DDT is dealt with in a release of the Food and Drug Administration of November 5, 1945. The position is taken that the degree of toxicity of DDT does not place it with the caustic poisons and hence -labeling it "poison" with skull and crossbones is not necessary.

### 265

#### Titre du livre :

DDT – Scientists, Citizens and Public Policy

https://www.amazon.com/DDT-Scientists-Citizens-Princeton-Library/dp/0691613907

Auteur principal/Année: Maison d'édition: Thomas Dunlap, 1981 Princeton Legacy Library

### P. 59:

The official debate over regulatory policy for DDT was, however, conditioned by a factor unique in the history of insecticide regulation: DDT was first used during World War II; by the time it entered the civilian market it already had a reputation for effectiveness, power, and safety unmatched by any other material.

#### P. 63:

As soon as production exceeded military requirements the War Production Board allowed the surplus to be used for experiments; it released DDT for general civilian use on 1 August 1945.

### 266

### Titre de l'article :

Statement on Clinical Intoxication From DDT and Other New Insecticides

PMID:

14832501

Auteur principal/Année: Morton S. Biskind, 1950

Revue:

Journal of Insurance Medicine

### Partie 1, p. 1:

Since shortly after the last war, a large number of cases had been observed by physicians all over the country... The condition was of unknown origin... [and] was widely attributed to a "virus X". As with all other physicians, a large number of my patients had this condition. I, like others, found it extremely puzzling; it resembled no infectious process I was acquainted with...

### 267

### Titre de l'article :

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année:

Revue:

Morton S. Biskind, 1949

American Journal of Digestive Diseases

### P. 3:

Altogether data have 'been accumulated on more than 200 cases of the "virus X" syndrome in which the condition followed immediately on known exposure to DDT.

### 268

### Titre de l'article :

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année:

Revue:

Morton S. Biskind, 1949

American Journal of Digestive Diseases

#### P. 1:

The high incidence, the usual absence of a febrile reaction, the persistence and erratic recurrence of the symptoms, the lack of observable inflammatory lesions, and the resistance even to palliative therapy, suggested an intoxication rather than an infection. Investigation for possible etiologic agents soon led to consideration of DDT.

### 269

### Titre de l'article :

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année:

Revue:

Morton S. Biskind, 1949

American Journal of Digestive Diseases

P. 1

270 Titre de l'article : DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis Auteur principal/Année: Revue: Morton S. Biskind, 1949 American Journal of Digestive Diseases P. 2 Titre de l'article : PMID: Statement on Clinical Intoxication From DDT and Other New Insecticides 14832501 Auteur principal/Année: Revue: Morton S. Biskind, 1950 Journal of Insurance Medicine Partie 1, p. 2

271 Titre de l'article : DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis Auteur principal/Année: Revue: Morton S. Biskind, 1949 American Journal of Digestive Diseases P. 3-4

#### 272 Titre de l'article :

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année: Revue:

Morton S. Biskind, 1949 American Journal of Digestive Diseases

To anyone with even a rudimentary knowledge of toxicology, it exceeds all limits of credibility that a compound lethal for insects, fish, birds, chickens, rats, guinea pigs, rabbits, dogs, cats, goats, sheep, horses, cattle and monkeys would be nontoxic for human beings.

#### 273 Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année: Revue:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

Since the last war there have been a number of curious changes in the incidence of certain ailments and the development of new syndromes never before observed. A most significant feature of this situation is that both man and all his domestic animals have simultaneously been affected.

#### 274 Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

#### P. 2:

...these conditions is mentioned in the comprehensive U. S. Department of Agriculture Handbook, "Keeping Livestock Healthy," published in 1942. This coincidence alone should have been sufficient to rouse a suspicion that something new that is common both to man and his domestic animals, has been operating in their environment during the period these changes have occurred.

### 275

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année :

Revue:

Morton S. Biskind, 1953

American Journal of Digestive Diseases

#### P. 4:

...studies by Lillie and his collaborators (74, 75) of the National Institutes of Health, published in 1944 and 1947 respectively, which showed that DDT may produce degeneration of the anterior horn cells of the spinal cord in animals. These changes do not occur regularly in exposed animals any more than they do in human beings, but they do appear often enough to be significant.

### 276

Titre de l'article:

DDT Poisonins and the Elusive "Virus X:" A New Cause for Gastro-Enteritis

Auteur principal/Année:

Revue:

Morton S. Biskind, 1949

American Journal of Digestive Diseases

#### P. 5:

A Siamese cat dusted with DDT developed convulsions in a few hours and died some days later with paralysis of the hind limbs.

# 277

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année :

Revue:

Morton S. Biskind, 1953

American Journal of Digestive Diseases

When the population is exposed to a chemical agent known to produce in animals lesions in the spinal cord resembling those in human polio, and thereafter the latter disease increases sharply in incidence and maintains its epidemic character year after year, is it unreasonable to suspect an etiologic relationship?

### 278

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année :

Revue:

Morton S. Biskind, 1953

American Journal of Digestive Diseases

#### P. 4:

In the Philippines and elsewhere in the Far East American troops, who used vast quantities of DDT as insecticides, had a high incidence of poliomyelitis, while it was extremely low in the surrounding native population.

# 279

Titre de l'article :

Present Concepts And Recent Advances In Acute Poliomyelitis

Auteur principal/Année:

Revue:

John R. Paul, 1952

AMA Archive of Internal Medicine

It is not known whether the disease may be spread by agents other than infected persons, as, for instance, by insects or contaminated food or water. Theoretically these agents might be "eliminated" by the introduction of "improved sanitary measures." One recognizes that food or flies or cockroaches could on occasion be infectious, but no evidence exists that such insects are an essential link in the chain, comparable with mosquitoes when they carry the parasite of malaria or the virus of yellow fever.

280 Titre du livre :

DDT – Scientists, Citizens and Public Policy

https://www.amazon.com/DDT-Scientists-Citizens-Princeton-Library/dp/0691613907

Auteur principal/Année: Maison d'édition: Thomas Dunlap, 1981 Princeton Legacy Library

P. 65:

In desperation, some towns even sprayed DDT in an effort to combat polio.

# 281-300

281 Titre de l'article :

The Epidemiology of Poliomyelitis in Africa

Auteur principal/Année: Archive:

James Gear, 1958 https://drive.google.com/open?id=1F-IcUN-b22YEghe-

3I4Pldwk4vwDA3xe

P. 5:

The systemic spraying of villages and towns with DDT, BHC and similar long-acting insecticides has not hastened the end of an epidemic, nor indeed has it prevented the onset of an epidemic.

PMID:

282 Titre de l'article :

> Statement on Clinical Intoxication From DDT and Other New Insecticides 14832501

Auteur principal/Année: Revue:

Journal of Insurance Medicine Morton S. Biskind, 1950

Partie 2, p. 2:

Wherever DDT had been used extensively against polio, not only was there an epidemic of the syndrome I have described but the incidence of polio continued to rise and in fact appeared where it had not been before.

283 Titre de l'article :

PMID: Statement on Clinical Intoxication From DDT and Other New Insecticides 14832501

Auteur principal/Année: Revue:

Morton S. Biskind, 1950 Journal of Insurance Medicine

Partie 2, p. 2:

This is not surprising since it is known that not only can DDT poisoning produce a condition that may easily be mistaken for polio in an epidemic but also being a nerve poison itself, may damage cells in the spinal cord and thus increase the susceptibility to the virus.

284 Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année: Revue:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

Soon after the introduction of DDT for widespread use as a household, public health and agricultural insecticide, it became evident that virtually all forms of insects were propagating strains completely resistant to this compound. This led to a frantic search for more and more potent insecticides (which also turned out to be more and more toxic for

animals and man). One after another new compounds were introduced, the total list being very long indeed.

285	Titre de l'article : Statement on Clinical Intoxication From DDT and Other New Insecticides		PMID: 14832501
	Auteur principal/Année : Morton S. Biskind, 1950	Revue : Journal of Insurance Medicine	
	Partie 2, p. 5; le parathion par exemple.		
	Titre de l'article : Public Health Aspects Of The New Insecticides		
	Auteur principal/Année : Morton S. Biskind, 1953	Revue: American Journal of Digestive Diseases	
P. 7 – Le chlordane est dix fois plus toxique que le DDT.			

### 286 Titre de l'article : Public Health Aspects Of The New Insecticides Auteur principal/Année: Revue: Morton S. Biskind, 1953 American Journal of Digestive Diseases P. 2: In agriculture alone 232 million pounds were used in the United States in 1951 and 252 million pounds in 1952.

287	Titre de l'article : Statement on Clinical Intoxication From DDT and Other New Insecticides		PMID: 14832501	
	Auteur principal/Année : Revue : Morton S. Biskind, 1950   Roural of Insurance Medicine			
	Partie 2, p. 5:  Virtually all studies on the toxicity of the various insecticides have been made on the individual substances. However, this in no way reflects what happens in in actual practice, for today in a single day's diet we may readily be exposed to DDT, BHC, chlordane, chlorinated camphene, methoxychlor, and parathion as well as some lead and arsenic. How			

many simultaneous insults can the human body take?

288	Titre de l'article : Possible Hazards From The Use of DDT <a href="https://ajph.aphapublications.org/doi/pdf/10.2">https://ajph.aphapublications.org/doi/pdf/10.2</a> 105/AJPH.39.7.925		Archive: https://drive.google.com/open?id=1n3Ni yviMKqjEFbZ9PzowYd0R-2L6DA6t
	Auteur principal/Année : Editorial (unsigned), 1949	Revue : American Journal of Public Health	
	P. 1:  DDT the great bug-killer may turn out to be one of the most devastating biological weapons ever loosed by a people upon themselves DDT is slowly poisoning large numbers of Americans, especially children.		

289	Titre de l'article : Possible Hazards From The Use of DDT https://ajph.aphapublications.org/doi/pdf/10.2 105/AJPH.39.7.925		Archive: https://drive.google.com/open?id=1n3Ni yviMKqjEFbZ9PzowYd0R-2L6DA6t
	Auteur principal/Année : Editorial (unsigned), 1949	Revue : American Jour	rnal of Public Health

### P. 2:

This statement pointed out that the toxicity of DDT for man "has been given full consideration in making recommendations for its use. There is no evidence that the use of DDT in accordance with the recommendations of the various federal agencies has ever caused human sickness due to DDT itself... "Statements that DDT is responsible for causing the so-called 'virus X disease' of man and 'X disease' of cattle are totally without foundation. Both of these diseases were recognized before the utilization of DDT as an insecticide."

### 290

Titre de l'article :

Possible Hazards From The Use of DDT https://ajph.aphapublications.org/doi/pdf/10.2 105/AJPH.39.7.925

Archive:

https://drive.google.com/open?id=1n3Ni yviMKqjEFbZ9PzowYd0R-2L6DA6t

Auteur principal/Année : Editorial (unsigned), 1949

Revue:

American Journal of Public Health

In April it urged that "this insecticide not be applied to animals producing milk for human consumption. In the light of current information the Bureau also advises that safer materials be used for insect control in places where the milk might be contaminated, such as dairy barns, milk rooms, rooms containing dairy feed, or in similar situations on the farm. Nor should DDT be used for fly control in milk-processing plants... It would seem desirable to obtain more extensive data as to the actual presence of DDT in milk by methods now available; but, all in all, the situation seems to be well in hand and the public adequately protected.

### 291

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année: Revue:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

The relationship was promptly denied by government officials, who provided no evidence to contest the author's observations but relied solely on the prestige of government authority and sheer numbers of experts to bolster their position.

### 292

Nom de la page :

Select Committee to Investigate the Use of Chemicals in Food and Cosmetics (1950-52)

Site Internet:

Archives.GOV

https://www.archives.gov/legislative/guide/house/chapter-22-select-food-andcosmetics.html

The committee was authorized to inquire into the extent and the effect of the use of chemicals, synthetics, pesticides, and insecticides in the production and preparation of food products and to determine the effects of such use on the public and upon agricultural stability.

### 293

Titre de l'article :

Statement on Clinical Intoxication From DDT and Other New Insecticides

PMID: 14832501

Auteur principal/Année : Revue:

Morton S. Biskind, 1950 Journal of Insurance Medicine

Ceci est le témoignage du Dr Biskind au Congrès.

### 294

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année: Revue:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

#### P. 2:

Yet, far from admitting a causal relationship so obvious that in any other field of biology it would be instantly accepted, virtually the entire apparatus of communication, lay and scientific alike, has been devoted to denying, concealing, suppressing, distorting and attempts to convert into its opposite, the overwhelming evidence. Libel, slander and economic boycott have not been overlooked in this campaign.

### 295

Titre de l'article :

Probers into Chemical Sprays Smeared by Lobby 9 septembre 1951

Auteur: Newspaper:

Louis Bromfield Cleveland Plain Dealer

#### P. 2:

The hirelings at least of the chemical companies and their lobbyists are doing their best to cripple or suppress the inquiries of Mr. Delaney's committee... The committee investigations have given rise to one of the most extraordinary smear campaigns in our history. Mr. Delaney has been blackguarded and those who testified that we know nothing of the effects of the strange, new poisons have been called liars, fools and virtually threatened with blackmail.

### 296

Titre de l'article : Poliomyelitis Problems PMID: 14796117

Date:

Auteur principal/Année :

Revue: Archibald L. Hoyne, 1951

Medical clinics of North America

#### P. 14:

### A SUMMARY OF PROBLEMS:

- 1. Still unknown etiologic agent.
- 2. Warm weather prevalence, unusual for a communicable disease.
- 3. Undetermined manner of transmission.
- 4. Susceptibility in the exceptionally well nourished.
- 5. Variability of symptoms.
- 6. Lack of a practicable laboratory diagnostic test.
- 7. Diagnostic difficulties added by the "new virus."
- 8. Reliable measures for prevention.
- 9. Dependable methods for treatment.
- 10. Question whether isolation of poliomyelitis patients is an effective means of controlling the disease.

### 297

298

Titre de l'article :

PMID: 14889394

Transmission Of Poliomyelitis Virus

Transmission Of Poliomyelitis Virus

Revue: Journal of Pediatrics

Auteur principal/Année: Albert B. Sabin, 1951

Titre de l'article :

PMID: 14889394

Auteur principal/Année :

Revue:

Albert B. Sabin, 1951

Journal of Pediatrics

### P. 1:

Although flies have been found to be contaminated with virus, there has been no reliable evidence of spread by insects, water, food or sewage...

### 299

Titre de l'article :

Present Concepts And Recent Advances In Acute Poliomyelitis

Auteur principal/Année: Revue:

John R. Paul, 1952 AMA Archive of Internal Medicine

#### P. 7:

...there is agreement among students of poliomyelitis that not enough is known about the factors responsible for the spread of poliomyelitis to enable elimination of the virus from a community.

### 300

Titre de l'article :

Epidemiology Of Poliomyelitis And Allied Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/vjbm00599-0011.pdf

PMID: 14064722

Archive:

https://drive.google.com/open?id=1fV w0 3BSORQKex-hR7DkGZH44EXUwpTv

Auteur principal/Année : Revue:

Yale Journal of Biology and Medicine Dorothy M. Horstmann, 1963

#### P. 4:

As with so many contact infections, the exact manner in which polioviruses are transmitted from one person to another is imperfectly understood.

# 301-320

### 301

Titre de l'article :

Transmission Of Poliomyelitis Virus

PMID: 14889394

Revue:

Auteur principal/Année: Albert B. Sabin, 1951

Journal of Pediatrics

#### P. 5:

If the introduction of the virus into the mouth by means of the hands or other materials is of basic importance in the transmission of poliomyelitis, can we regard the period of communicability as being for only a few days before and a few days to a week after onset of symptoms, when, by our present methods, the virus is still readily demonstrable in the stools of approximately 50 per cent of individuals during the third and fourth weeks? How much reliance should we place on the epidemiological observations which place the "infectious period" at four to five days before and after onset of symptoms, when it is realized that these conclusions are based on tracing extrafamilial secondary cases to presumably single contacts with patients who became sick and had to go to bed?

### 302

Titre de l'article :

Epidemiology Of Poliomyelitis And Allied Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

PMID:

14064722

Archive:

https://drive.google.com/open?id=1fV w0 3BSOROKex-hR7DkGZH44EXUwpTv

Auteur principal/Année:

Revue:

Dorothy M. Horstmann, 1963

Yale Journal of Biology and Medicine

#### P. 4:

The main portal of exit is the intestinal tract, and large quantities of virus can be found in the feces often for many weeks and occasionally for many months... Epidemiologic evidence indicates that a case is most infectious during the early phase of infection, sometime before onset of symptoms or in the first few days of the clinical disease.

### 303

### Titre de l'article :

Present Concepts And Recent Advances In Acute Poliomyelitis

Auteur principal/Année: Revue:

John R. Paul, 1952 AMA Archive of Internal Medicine

### P. 1:

Eventually the new facts should find more clinical application than can be assigned to them now, for one must still admit that there are no more immediate measures available for the prevention and cure of the acute disease than existed in the times of Medin and Wickman, 80 and 40 years ago, respectively.

### 304

### Titre de l'article :

Poliomyelitis Problems

PMID: 14796117

Auteur principal/Année:

Revue:

Archibald L. Hoyne, 1951

Medical clinics of North America

#### P. 1-2:

Notwithstanding the intensive studies of investigators, very little information of practical value has been added to our knowledge of poliomyelitis during the past forty years... One might almost be tempted to make the contradictory statement that the more we learn about poliomyelitis, the less we know.

### 305

### Titre de l'article :

The cultivation of the poliomyelitis viruses in tissue culture https://assets.nobelprize.org/uploads/2018/06/enders-robbins-wellerlecture.pdf? ga=2.149573750.1715530293.1537951684-1754545531.1537951684

Auteur principal/Année:

John F. Enders, 1952

#### Titre de l'article:

Present Concepts And Recent Advances In Acute Poliomyelitis

Revue: Auteur principal/Année :

John R. Paul, 1952 AMA Archive of Internal Medicine

#### P. 3:

In these recent discoveries it is possible that we have witnessed the end of what might be termed "the monkey era" in poliomyelitis research. This is no great loss, for the expense of maintaining monkey colonies for poliomyelitis research has been great. Also it is heartening to realize that the way is now open for many laboratories to engage in certain clinical and epidemiological investigations on poliomyelitis which have been denied to them in the past because of expense and other difficulties. Scores of new investigators can now enter the poliomyelitis field, and new impetus can be given to such work all over the world. All this stems from the discovery that a tissue-culture tube may be substituted for a monkey.

## 306

### Titre de l'article :

The Present Status of Polio Vaccines

### Archive:

https://drive.google.com/open?id=13MEzjI rvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année: Revue:

Herbert Ratner, 1960 Illinois Medical Journal

Ratner et ses collègues discutent d'un changement dans le critère de diagnostic et notent qu'il a été mis en œuvre depuis 1955 (Ratner 1960, p. 5). Un rapport officiel indique que le changement a été mis en œuvre (au moins) depuis 1958 (PSU 1962, p. 2).

307

Titre de l'article : Archive:

The Present Status of Polio Vaccines

https://drive.google.com/open?id=13MEzjI rvcvuzbltwTqBhGiOm8nZln2I4

PMID:

PMID:

19316432

13814376

Auteur principal/Année: Revue:

Herbert Ratner, 1960 Illinois Medical Journal

Furthermore, diagnostic procedures have continued to be refined. Coxsackie virus in factions and aseptic meningitis have been distinguished from paralytic poliomyelitis. Prior to 1954 large numbers of that; cases undoubtedly were mislabeled as paralytic poliomyelitis.

308

Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année:

Revue:

Tiberio A. Swartz, 2008

Israel Center for Disease Control (ICDC), Ministry of Health

309

Titre de l'article :

Epidemiology of Poliomyelitis in Israel, 1952-59

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2555311/pdf/bullwho003

27-0059.pdf

Auteur principal/Année: Revue:

A. Michael Davies, 1960 Bulletin of the World Health Organization

...in 1957-59 only proved paralytic cases have been included in the statistics.

310

Titre du document :

Green Book - Poliomyelitis

https://www.gov.uk/government/uploads/system/uploads/attachment\_data/file/148141/Gre\_en-Book-Chapter-26-Polio-updated-18-January-2013.pdf

Auteur/Année:

Archive:

NHS, 2013

https://drive.google.com/open?id=15wYdgB3upwPEHYP7XZkU

VxQEAOXe1Lnb

Chapitre 26

311

Titre de l'article :

Surveillance of Poliomyelitis in the United States, 1958-61

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1915173/pdf/pubhealthre

porig00096-0009.pdf

Auteur principal/Année: Revue:

PSU, 1962 **Public Health Reports** 

In 1955, the National Foundation for Infantile Paralysis sponsored an immunization program for first- and second-grade school children who were primarily 7 and 8 years old.

These children comprised essentially the only population group that received vaccine during the spring and summer of 1955.

#### 312 Titre de l'article :

Exit Poliomyelitis-What Next?

Auteur principal/Année: Revue:

Sven Gard, 1961 Yale Journal Of Biology And Medicine

This dramatic drop in case incidence to less than 1% in four years was not expected. Even with a wild hope for a 100% o protective effect-which actually seems to have materializedone could not have anticipated a concomitant drastic reduction in attack rates among nonvaccinated persons.

#### 313 Par exemple, à Houston, en 1958.

Titre de l'article :

Effectiveness of Salk Vaccine

Analysis of Virologically Confirmed Cases of Paralytic and Nonparalytic Poliomyelitis

Auteur principal/Année : Revue: Joseph L. Melnick, 1961 **JAMA** 

This dramatic drop in case incidence to less than 1% in four years was not expected. Even with a wild hope for a 100% o protective effect-which actually seems to have materializedone could not have anticipated a concomitant drastic reduction in attack rates among nonvaccinated persons.

Ou à Detroit, en 1958.

Titre de l'article :

Laboratory Data On The Detroit Poliomyelitis Epidemic - 1958

Auteur principal/Année: Revue: Gordon C. Brown, 1960 **JAMA** 

#### 314 Titre de l'article :

Use Of Poliomyelitis Vaccine Under Epidemic Conditions Report Of Outbreak Of Poliomyelitis Among Naval Personnel And Dependents In Hawaii

Auteur principal/Année: Revue: Robert S. Poos, 1956 **JAMA** 

#### P. 8:

After the mass vaccination program, attack rates were lower in vaccines than in the unvaccinated population, although this difference was not statistically significant.

#### 315 Titre de l'article : Archive:

The Present Status of Polio Vaccines

https://drive.google.com/open?id=13MEzjI rvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année : Revue:

Herbert Ratner, 1960 Illinois Medical Journal

### P. 6:

We repeated this study of 1955 and 1956 by projecting the same type of statistical analysis into 1957. Lo and behold, we found that two doses of Salk vaccine was not nearly as effective in 1957 as we thought it was in 1956. Instead of 83 per cent effectiveness we found only about 24 per cent.

### 316 Titre de l'article :

The Present Status of Polio Vaccines

Archive:

https://drive.google.com/open?id=13MEzjIrvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année:

Herbert Ratner, 1960

Revue:

Illinois Medical Journal

#### P 7

At present, I am an agnostic as far as the efficacy of the Salk vaccine is concerned because I do not know how effective it is. I believe it has some degree of effectiveness, but I do not know the extent because I cannot get proper denominators.

### 317

Titre de l'article :

Archive:

The Present Status of Polio Vaccines

https://drive.google.com/open?id=13MEzjI

rvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année : Herbert Ratner, 1960 Revue:

Illinois Medical Journal

#### P 7

If polio antibodies mean anything, in respect to protection, then I am forced to conclude that much of the Salk vaccine we have been using is useless.

### 318

Titre de l'article :

Paralytic poliomyelitis in Massachusetts, 1959

Auteur principal/Année : Sumner Berkovich, 1961

Revue : NEJM

P. 2, tableau 1

### 319

Titre de l'article :

Paralytic poliomyelitis in Massachusetts, 1959

Auteur principal/Année :

Revue:

Sumner Berkovich, 1961 NEJM

### P. 2:

Effectiveness of the vaccine in Massachusetts cannot be accurately evaluated, since the total number in each age group who had received three or more doses is unknown. However, that it did not provide the expected protection is apparent..."

### 320

Titre de l'article :

Paralytic poliomyelitis in Massachusetts, 1959

Auteur principal/Année : Sumner Berkovich, 1961

Revue : NEJM

P. 4-5

# 321-340

### 321

Par exemple:

ai exemple.

PMID:

Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On Alimentary Infections With Polioviruses

13571484

Auteur principal/Année: Revue:

John P. Fox, 1958 American Journal of Public Health

De novo development of antibody induced by the vaccine was excellent in children possessing one or two types of heterologous antibody but among triple negatives nearly a quarter and a half, respectively, developed no antibody after the booster to types 1 and 3 viruses

Titre de l'article :

Influence Of Vaccination With Formalin

Inactivated Vaccine Upon Gastrointestinal Infection With Polioviruses

PMID: 14415906

Auteur principal/Année: Revue:

American Journal of Public Health Martha Lipson. Lepow, 1960

#### P. 10:

Our failure to find any clear-cut differences between the vaccinated and unvaccinated children either in regard to the presence of antibody or levels of antibody is somewhat disturbing. Some doubt might be raised concerning the potency of the vaccines used in the population studied. One might also regard these data as emphasizing the importance of giving more than two doses of vaccine.

#### 322 Titre de l'article :

Paralytic poliomyelitis in Massachusetts, 1959

Auteur principal/Année: Revue: Sumner Berkovich, 1961 **NEJM** 

P. 5

#### 323 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 574:

Although the results of the historical Francis trial were positive, the Cutter incident led to a change in manufacturing processes that lowered the immunogenicity of the early vaccine.

### 324

Titre de l'article : Archive:

The Present Status of Polio Vaccines

https://drive.google.com/open?id=13MEzjI rvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année : Revue:

Herbert Ratner, 1960 Illinois Medical Journal

#### P. 4:

A scientific examination of the data, and the manner in which the data were manipulated, will reveal that the true effectiveness of the present Salk vaccine is unknown and greatly overrated.

### 325

Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année :

Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

P. 42, tableau 4.1; p. 56, tableau 5.1

# 326

Titre de l'article :

Epidemiology of Poliomyelitis in Israel, 1952-59

PMID: 13814376

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2555311/pdf/bullwho003

27-0059.pdf

Auteur principal/Année: Revue:

A. Michael Davies, 1960 Bulletin of the World Health Organization

The 1957 drop in incidence affected all age-groups, not merely those vaccinated, and although 1958 should have brought a wider age span of susceptible infants, especially to type 1 virus, there was no change in the age pattern of cases.

#### 327 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

#### P. 67:

The partial vaccination program, implemented exclusively during the first half of 1957, was probably not associated with the low morbidity recorded during the year.

#### 328 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

#### P. 66:

...the polio vaccine produced in Israel in 1957 and used until mid-1958, performed poorly in potency tests and induced low seroconversion rates.

#### 329 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année: Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

### P. 67:

The limited morbidity of 1959 and 1960 coincided with the implementation of a better vaccination program with an improved vaccine. The role of vaccination in the prevention of polio virus activity at that time cannot be excluded.

#### 330 Titre de l'article :

An Outbreak Of Poliomyelitis In Israel In 1961 And The Use Of Attenuated Type 1 Vaccine

In Its Control

Auteur principal/Année : Revue:

Jacob Yofe, 1962 American Journal of Epidemiology

P. 16, tableau 6

#### 331 Titre de l'article:

Epidemiology of Poliomyelitis in Israel, 1952-59

PMID: 13814376

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2555311/pdf/bullwho003

27-0059.pdf

Auteur principal/Année: Revue:

A. Michael Davies, 1960 Bulletin of the World Health Organization

P. 18-19

#### 332 En Israël:

Titre de l'article :

An Outbreak Of Poliomyelitis In Israel In 1961 And The Use Of Attenuated Type 1 Vaccine In Its Control

Auteur principal/Année: Revue:

Jacob Yofe, 1962 American Journal of Epidemiology

### P. 6:

During the third week of May, type 1 attenuated vaccine prepared from Sabin's LSc, 2 ab strain was obtained through the courtesy of Wyeth Laboratories. It was decided to feed vaccine to all children born from January 1, 1957, down to 4 days of age.

### Aux États-Unis :

Titre du livre : Jonas Salk: A Life

https://www.amazon.com/Jonas-Salk-Charlotte-DeCroes-Jacobs/dp/0199334412/

Auteur principal/Année: Maison d'édition: Charlotte DeCroes Jacobs, 2015 Oxford University Press

### P. 226:

Among those few who sided with Salk in opposition to the oral vaccine was the director of the Communicable Disease Center, Alex Langmuir. The number of polio cases had fallen to 2 percent of that prior to the field trial. He saw no reason to revaccinate those who had received the Salk vaccine. O'Connor agreed and held a press conference at which he vehemently opposed revaccination and leveled his guns at the surgeon general. Saying Terry was "flying in the face of facts and for reasons

that might not best be questioned," O'Connor accused him of "withholding from the public the true picture of the need...to promote the preferential sale of the second vaccine to do what's already been done by one....Half-truths and nonscientific innuendos and implications" had no place where the health of the public was concerned. He sent a letter to the editor of Washington Star, decrying the advice to revaccinate those already protected with the killed vaccine. "There is no sane or scientific basis." Yet widespread oral vaccination continued.

### Aux États-Unis :

Titre du livre :

Jonas Salk (Makers of Modern Science)

https://www.amazon.com/Jonas-Salk-Makers-Modern-Science/dp/0816028052/

Auteur principal/Année: Maison d'édition: Victoria Sherrow, 1993 Facts on File

#### P. 93:

Within a few years, however, Sabin's became the vaccine of choice in the United States. April 24, 1960, known as "Sabin Oral Sunday," marked the first day that people in the United States received Sabin's vaccine. As of 1961 communities throughout the country were holding SOS-Sabin Oral Sunday-campaigns, and people lined up at schools or other places to receive their vaccine on a sugar cube. Local officials and medical societies encouraged people to take oral vaccine, even if they were already vaccinated by injection.

### Titre de l'article :

Two Voluntary Mass Immunization Programs Using Sabin Oral Vaccine

Auteur principal/Année: Revue: Richard B. Johns, 1963 **JAMA** 

### P. 5, tableau 1:

An example of a Sabine-vaccine vaccination operation in two counties in Arizona in 1961. Children aged 6-14 were vaccinated at a rate of over 95% during the operation. These are exactly the ages vaccinated with the Salk vaccine.

Titre de l'article :

A Survey of Immunization Levels After an Oral Poliovaccine Program in Cleveland

Auteur principal/Année : Revue : Martha L. Lepow, 1964 JAMA

P. 5, tableau 3:

Vaccination operation in the Cleveland area, Ohio, in 1962. Similarly, the vast majority of Sabin vaccinees were previously vaccinated with the Salk vaccine.

333 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P 593

Despite incomplete application of the vaccine, polio incidence fell 95% between the introduction of the vaccine in 1955 and its abandonment in 1961.

334 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue :

Tiberio A. Swartz, 2008

Israel Center for Disease Control (ICDC), Ministry of Health

PMID:

13771906

P. 56, tableau 5.1; p. 42, tableau 4.1

Titre de l'article :

Final Report of Poliomyelitis Epidemic in Detroit and Wayne County,

1958

 $\underline{https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1929571/pdf/pubhealthreporig00119-0058.pdf}$ 

Auteur principal/Année : Revue :

Joseph G. Molner, 1960 Public Health Reports

P. 5, graphique 2 ; p. 9, remarques relatives au tableau 8.

336 Titre de l'article :

Laboratory Data On The Detroit Poliomyelitis Epidemic - 1958

Auteur principal/Année : Revue : Gordon C. Brown, 1960 JAMA

P. 1:

Virological laboratory tests were carried out on 1,060 persons, probably the greatest percentage of victims of a large epidemic of poliomyelitis ever to be subjected to laboratory investigation.

337 | Titre de l'article :

Laboratory Data On The Detroit Poliomyelitis Epidemic - 1958

Auteur principal/Année : Revue : Gordon C. Brown, 1960 JAMA

P. 2, tableaux 1 et 2

338 Titre de l'article :

Laboratory Data On The Detroit Poliomyelitis Epidemic - 1958

Auteur principal/Année : Revue : Gordon C. Brown, 1960 JAMA

P. 1:

Specimens from paralytic patients were retested if the findings had been negative for virus on the first attempt.

#### Titre de l'article : 339

Preliminary Report And Observations On The 1956 Poliomyelitis Outbreak In Chicago

Auteur principal/Année: Revue: Herman N. Bundesen, 1957 **JAMA** 

Of the 1,111 cases, virology reports have been received on 651. Of these 651 cases, a poliomyelitis virus has been successfully isolated from 412.

### 340

#### Titre de l'article :

Effectiveness of Salk Vaccine

Analysis of Virologically Confirmed Cases of Paralytic and Nonparalytic Poliomyelitis

Auteur principal/Année: Revue: Joseph L. Melnick, 1961 **JAMA** 

### P. 1:

Of the 126 cases which were diagnosed clinically as paralytic poliomyelitis, 102 yielded a virus in monkey kidney cultures. Of the viruses isolated, all but 2 were polioviruses... In the same period, 125 cases diagnosed as aseptic meningitis were studied... Of these, only 23 were polioviruses...

# 341-360

#### 341 Titre de l'article :

PMID: Nonpolioviruses and Paralytic Disease 14468369

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1575072/pdf/califmed001 57-0049.pdf

Auteur principal/Année: Revue:

Robert L. Magoffin, 1962 California Medicine

### P. 4:

In etiologic studies of clinical paralytic poliomyelitis in California, poliovirus was recovered from about 80 per cent of the patients under five years of age, as compared with 60 to 65 per cent of older children and adults.

### 342

### Titre de l'article :

Surveillance of Poliomyelitis in the United States, 1958-61

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1915173/pdf/pubhealthre porig00096-0009.pdf

Auteur principal/Année: Revue:

PSU, 1962 Public Health Reports

P. 9, tableau 9

#### 343 Titre de l'article :

Epidemiology of Poliomyelitis in Israel, 1952-59

 $\underline{https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2555311/pdf/bullwho003}$ 

27-0059.pdf

Auteur principal/Année: Revue:

A. Michael Davies, 1960 Bulletin of the World Health Organization

PMID:

19316432

PMID:

13814376

### P. 17, tableau 19

# 344

Au Kazakhstan, en 1959, des échantillons de matières fécales de patients atteints de polio ont été analysés parallèlement à l'introduction du vaccin Sabin : seuls 16 des 39 patients atteints de paralysie en mai-juin 1959 avaient été trouvés porteurs du virus de la polio dans leurs matières fécales.

Titre de l'article :

Report on a visit to the USSR, Poland and Czechoslovakia

https://babel.hathitrust.org/cgi/pt?id=mdp.39 015009662027; view=1up; seq=3

Auteur principal/Année: Dorothy M. Horstmann, 1959

P. 40-41

#### Archive:

Revue:

WHO

https://drive.google.com/open?id=1HoFd5 6xRmtStwV8CJyn OxlPVVwdQ0DK https://drive.google.com/open?id=1fFx Tl cKcnVMXX2QC3Ln-TSrr6bjXuuh

PMID:

PMID: 13538759

PMID:

PMID:

13538759

13538759

14468369

# 345

Nonpolioviruses and Paralytic Disease https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1575072/pdf/califmed001

57-0049.pdf

Titre de l'article :

Auteur principal/Année: Revue:

Robert L. Magoffin, 1962 California Medicine

P. 2-6

Titre de l'article :

A Study Of Certain Nonpoliomyelitis And Poliomyelitis Enterovirus

Auteur principal/Année: Revue: William McD. Hammon, 1958 JAMA

### 346

Titre de l'article :

A Study Of Certain Nonpoliomyelitis And Poliomyelitis Enterovirus Infections

Auteur principal/Année:

Revue: William McD. Hammon, 1958 **JAMA** 

### P. 3-6, citation de la p. 6:

It should be emphasized that these illnesses had been diagnosed as clinical paralytic poliomyelitis by a team of experienced poliomyelitis clinicians engaged in a research evaluation. We refer to these illnesses now as paralytic poliomyelitis-like because there is essentially no laboratory evidence of a poliovirus infection. This distinction is made because of the formerly held concept that this type of paralytic disease is only caused by one of the three types of poliovirus.

### 347

### Titre de l'article :

A Study Of Certain Nonpoliomyelitis And Poliomyelitis Enterovirus Infections

Auteur principal/Année: Revue: William McD. Hammon, 1958 **JAMA** 

Whether the enteroviruses isolated in all six cases were the respective etiological agents is not unequivocally established.

#### 348 Titre de l'article :

A Study Of Certain Nonpoliomyelitis And Poliomyelitis Enterovirus Infections

PMID: 13538759

Auteur principal/Année: Revue: William McD. Hammon, 1958 **JAMA** 

In other words, there may exist strains of enteroviruses which, with opportune conditions, act like polioviruses in man and produce an occasional paralytic illness that clinically cannot be differentiated from paralytic poliomyelitis.

### 349

Titre de l'article :

A Study Of Certain Nonpoliomyelitis And Poliomyelitis Enterovirus Infections

PMID: 13538759

Auteur principal/Année: Revue: William McD. Hammon, 1958 **JAMA** 

These paralytic and nonparalytic illnesses cannot be expected to be prevented by the present poliomyelitis vaccine and may be considered vaccine failures unless the exact etiology is established.

### 350

Titre de l'article :

Epidemiology Of Poliomyelitis And Allied Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

PMID: 14064722

Archive:

https://drive.google.com/open?id=1fV\_w0 3BSORQKex-hR7DkGZH44EXUwpTv

Auteur principal/Année: Dorothy M. Horstmann, 1963 Revue:

Yale Journal of Biology and Medicine

### P.9:

The inactivated vaccine, since its introduction in 1955, has greatly reduced the incidence of paralytic poliomyelitis in countries in which its use has been extensive. This has been accomplished by inducing serologic immunity in vaccinees, which prevents CNS invasion. However the extent to which the inactivated vaccine has suppressed the circulation of wild polioviruses and the incidence of inapparent intestinal infection is not well documented... This is not surprising, for although the vaccine induces antibody formation, it does not provide a significant barrier to intestinal infection with either wild or vaccine strains.

### 351

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 631:

Continued use of OPV will induce effective intestinal immunity, thereby enhancing community resistance to transmission of imported wild poliovirus.

### 352

Titre de l'article :

Epidemiology Of Poliomyelitis And Allied Diseases--1963

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

PMID:

14064722

Archive:

https://drive.google.com/open?id=1fV\_w0 3BSORQKex-hR7DkGZH44EXUwpTv

Revue:

Yale Journal of Biology and Medicine

Auteur principal/Année: Dorothy M. Horstmann, 1963 In contrast, inapparent infection, either natural or oral vaccine induced, does result in a marked degree of resistance to intestinal multiplication of virus, although in neither case is this resistance absolute.

# 353 Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On Alimentary Infections With Polioviruses

PMID: 13571484

Auteur principal/Année : Revue :

John P. Fox, 1958 American Journal of Public Health

#### P. 9:

At that time, no evidence could be found that primary vaccination had influenced either the occurrence or course of alimentary infections in any way, whereas it was already clear that immunity resulting from natural infection did exert a significantly limiting effect.

### 354

#### Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On Alimentary Infections With Polioviruses

PMID: 13571484

Auteur principal/Année : Revue :

John P. Fox, 1958 American Journal of Public Health

#### P. 11:

Infected but vaccinated children appeared to be just as effective sources for intrahousehold spread of virus as did unvaccinated children.

### 355

### Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On Alimentary Infections With Polioviruses

PMID: 13571484

Auteur principal/Année : Revue :

John P. Fox, 1958 American Journal of Public Health

#### P.9:

Among children without natural immunity there was little variation in the duration of excretion in relation to vaccination... Rather surprisingly, however, tests for the amount of virus present in the first virus-positive specimen revealed nearly as much virus (4.2 mean long infectivity) in stools from children with prior natural immunity as in those, whether vaccinated or not, without natural immunity (4.0 to 4.9 mean log infectivity).

### 356

#### Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On Alimentary Infections With Polioviruses PMID: 13571484

Auteur principal/Année : Revue :

John P. Fox, 1958 American Journal of Public Health

#### P 11

...it is concluded that widespread use of Salk vaccine should not by any reasonable mechanism influence poliovirus dissemination.

### 357

#### Titre de l'article :

Influence Of Vaccination With Formalin Inactivated Vaccine Upon Gastrointestinal Infection With Polioviruses PMID: 14415906

Auteur principal/Année : Revue :

Martha Lipson Lepow, 1960 American Journal of Public Health

#### P 9

The results of this study would indicate that the prior administration of one or two doses of inactivated poliomyelitis vaccine does not reduce the susceptibility of the lower

gastrointestinal tract of man to poliovirus infection. These results are in accord with those of Fox, Davis, Koprowski, and Sabin... Vaccination cannot be expected to decrease significantly the number of persons in the community suffering from inapparent poliovirus infections. Therefore, the opportunities of becoming infected will be the same as before vaccine was used, although paralytic disease can be expected to be less frequent.

# 358

Titre de l'article :

Influence Of Vaccination With Formalin Inactivated Vaccine Upon Gastrointestinal Infection With Polioviruses

PMID: 14415906

Auteur principal/Année:

Martha Lipson Lepow, 1960

Revue: American Journal of Public Health

The observations of Koprowski and Sabin with avirulent viruses, and Fox with natural infection provide more direct evidence concerning this question. They indicate that antibody, either acquired passively from the mother or resulting from vaccination with killed vaccine, has no effect upon the susceptibility of the bowel.

# 359

Titre de l'article :

Influence Of Vaccination With Formalin Inactivated Vaccine Upon Gastrointestinal Infection With Polioviruses

PMID: 14415906

Auteur principal/Année:

Martha Lipson Lepow, 1960

American Journal of Public Health

It is concluded that immunization with killed poliomyelitis vaccines cannot be expected to decrease the numbers of persons in the community with alimentary poliovirus infection. Thus, vaccination, while of value to the persons immunized, is unlikely to provide protection to those not vaccinated.

# 360

Titre du document :

Polio - The Beginning Of The End

Auteur/Année: WHO, 1997

Archive:

https://drive.google.com/open?id=1r0R4dlS UiB6jOtNta-FvrKDD-gFlzW9h

## P. 20:

Inactivated polio vaccine (IPV) works by producing protective antibodies in the blood thus preventing the spread of poliovirus to the central nervous system. However, it induces only very low-level immunity to poliovirus inside the gut. As a result, it provides individual protection against polio paralysis but only marginally reduces the spread of wild poliovirus. In a person immunized with IPV, wild virus can still multiply inside the intestines and be shed in stools. Because of this, IPV could not be used to eradicate polio.

# 361-380

# 361

Titre de l'article :

Exit Poliomyelitis-What Next?

Auteur principal/Année:

Revue:

Sven Gard, 1961

Yale Journal Of Biology And Medicine

In any event, Salk was inclined to regard the reduced attack rates as an effect of the vaccination, reasoning as follows. If oropharyngeal secretions are more important for transmission of virus in communities where contact with sewage or feces is less likely, and if vaccination has little or no effect upon fecal virus but does have a significant effect upon

pharyngeal virus, then it is conceivable that spread of virus may be diminished by effective vaccination...

# 362

Titre de l'article :

Exit Poliomyelitis-What Next?

Auteur principal/Année:

Revue: Sven Gard, 1961 Yale Journal Of Biology And Medicine

The evidence supporting the first if seems at best equivocal and as regards the second if, evidence was at the time entirely lacking.

# 363

Titre de l'article :

Exit Poliomyelitis-What Next?

Auteur principal/Année: Revue:

Sven Gard, 1961 Yale Journal Of Biology And Medicine

The New Orleans group in their studies on the spread of virus found no evidence to support the theory that oropharyngeal secretions are more important than fecal excretion where the spread of the virus is concerned. In fact, some of their observations spoke decidedly in favor of the assumption of predominantly fecal spread. Our own observations on the decisive importance of the age of the excreter point in the same direction.

PMID:

13571484

Titre de l'article :

The Influence Of Natural And Artificially Induced Immunity On

Alimentary Infections With Polioviruses

Auteur principal/Année: Revue:

John P. Fox, 1958 American Journal of Public Health

### P. 10:

This has led to renewed consideration of the possibility that pharyngeal virus is more important than fecal virus and that vaccination may influence upper alimentary or pharyngeal infection even though it has no effect on the process at a lower level. The available data do not seem to support this idea.

# 364

Titre du livre :

Vaccines (6e édition)

Publié par Elsevier Saunders

https://www.elsevier.com/books/vaccines/plotkin/978-1-4557-0090-5

# 365

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Thus, in epidemiological settings where the primary mode of interhuman transmission in affected communities is oral to oral (vs. fecal to oral), IPV can effectively terminate transmission.

# 366

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 588:

The evidence for herd immunity comes from countries where oral-to-oral transmission was probably the dominant mode of interhuman poliovirus transmission. It is less clear if IPV is able to induce herd immunity in countries where the fecal-to-oral route is thought to be the primary role in transmission.

#### 367 Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 587

# 368

Titre de l'article :

The Poliomyelitis Story: A Scientific Hegira

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2589894/pdf/yjbm00092-

0018.pdf

Auteur principal/Année: Revue:

Dorothy M. Horstmann, 1985 The Yale Journal Of Biology And Medicine

In three countries, Sweden, Finland, and Holland, where only IPV has been used and close to 100 percent of the population has been immunized, virtual elimination of the indigenous infection has also been achieved.

PMID:

PMID:

PMID:

20978089

19316432

2994307

# 369

## Titre de l'article :

Surveillance of Poliomyelitis in the United States, 1958-61

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1915173/pdf/pubhealthre

porig00096-0009.pdf

Auteur principal/Année: Revue:

PSU, 1962 **Public Health Reports** 

P. 7, tableau 5

Environ 20 à 30 % des patients paralysés en 1958-61 avaient été vaccinés.

# 370

### Titre de l'article :

From Emergence to Eradication: The Epidemiology of Poliomyelitis

Deconstructed

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2991634/pdf/kwq320.pdf

Auteur principal/Année: Revue:

Neal Nathanson, 2010 American Journal of Epidemiology

Prior to the introduction of poliovirus vaccines, each state reported some cases of poliomyelitis every year. However, beginning with the introduction of OPV around 1961, the number of states reporting cases of polio due to wild polioviruses gradually dropped, reaching zero in 1973.

# 371

#### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

Most industrialized countries, including many Western European countries, have recommended schedules in the past that relied exclusively on OPV for the prevention of poliomyelitis. More recently, encouraged by progress of the GPEI and by the desire to reduce or eliminate the burden of VAPP, many of the high- and middle-income countries are reevaluating their vaccination policy options. As of 2011, a total of 56 countries and reporting entities rely exclusively on IPV...

Titre du livre :

**Deadly Choices** 

https://www.amazon.com/Deadly-Choices-Anti-Vaccine-Movement-

Threatens/dp/0465029620

Auteur principal/Année : Paul A. Offit, 2011

Maison d'édition :

**Basic Books** 

#### P. 127:

Because international travel is common, and because most people who are contagious aren't sick, it is likely that poliovirus walks into the United States every year.

# 373

Titre de l'article:

The Israeli public health response to wild poliovirus importation

PMID: 26213249

Auteur principal/Année :

Revue:

Ehud Kaliner, 2015 Lancet Infectious Diseases

P. 4:

Finally, the Ministry of Health accepted the emergency response team's recommendation to reduce the risk for re-emergence of wild poliovirus type 1 by vaccinating, from 2014 onwards, all children born after July 1, 2013, with a dose of bOPV at age 6 months and a second dose at age 18 months, in addition to the routine IPV-only schedule.

# 374

Titre du livre:

Patenting The Sun: Polio and the Salk Vaccine

https://www.amazon.com/Patenting-Sun-Polio-Salk-Vaccine/dp/0688094945

Auteur principal/Année:

Maison d'édition:

Jane S. Smith, 1990 William Morrow & Co

P. 359-367

# 375

Titre du livre :

Patenting The Sun: Polio and the Salk Vaccine

https://www.amazon.com/Patenting-Sun-Polio-Salk-Vaccine/dp/0688094945

Auteur principal/Année : Jane S. Smith, 1990

Maison d'édition:

William Morrow & Co

P. 360

# 376

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

As a result of this much-publicized "Cutter incident" [...] administrative authority for the regulation of biologicals was transferred by Congress to the Division of Biologics Standards (DBS), a newly created division within the NIH.

# 377

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1311:

However, there was no specific federal involvement in immunization activities until 1955, when the IPV vaccine was licensed. Through the Polio Vaccination Assistance Act, Congress appropriated funds in 1955 and 1956 to the Communicable Disease Center (now the CDC) to help states and local communities buy and administer vaccine.

Titre du livre :

Patenting The Sun: Polio and the Salk Vaccine

https://www.amazon.com/Patenting-Sun-Polio-Salk-Vaccine/dp/0688094945

Auteur principal/Année : Maison d'édition : Jane S. Smith, 1990 William Morrow & Co

#### P. 354:

The failure of the Department of Health, Education and Welfare to make any plans for allocating the limited supplies of polio vaccine or to discuss any measures for paying for the vaccinations of those unable to afford them, seems to have been not an oversight but an ideological decision... [Secretary Hobby] apparently saw the polio vaccine program as a routine matter of manufacture and commerce, best handled by the private sector.

# 379

#### Titre du livre :

Patenting The Sun: Polio and the Salk Vaccine https://www.amazon.com/Patenting-Sun-Polio-Salk- Vaccine/dp/0688094945

Auteur principal/Année: Maison d'édition : Jane S. Smith, 1990 William Morrow & Co

Spurred by the kinds of problems that brought on the Cutter incident, the federal government has since assumed a much more active role in regulating the production of biomedical products...

# 380

### Titre du livre :

Patenting The Sun: Polio and the Salk Vaccine https://www.amazon.com/Patenting-Sun-Polio-Salk- Vaccine/dp/0688094945

Auteur principal/Année: Maison d'édition: Jane S. Smith, 1990 William Morrow & Co

### P. 368:

The laboratory of Biologics Control... was reorganized in the wake of the tragic problems with polio vaccine. On July 15, 1955 it was named Bureau of Biologics, with the promise of a greatly expanded staff and newly enlarged facilities for vaccine testing... By 1956 over one hundred people worked in the polio division, testing vaccines.

# 381-400

# 381

### Titre du livre :

Patenting The Sun: Polio and the Salk Vaccine <a href="https://www.amazon.com/Patenting-Sun-">https://www.amazon.com/Patenting-Sun-</a> Polio-Salk- Vaccine/dp/0688094945

Auteur principal/Année: Maison d'édition: Jane S. Smith, 1990 William Morrow & Co

#### P. 369:

For the epidemiologists of the Communicable Disease Center, the Cutter incident was the crisis that made their reputation... One of Surgeon General Scheele's first acts after the early reports of problems with Cutter vaccine was to establish a program of national surveillance, with all states reporting cases of poliomyelitis directly to the CDC in Atlanta.

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1311:

Through the Polio Vaccination Assistance Act, Congress appropriated funds in 1955 and 1956 to the Communicable Disease Center (now the CDC) to help states and local communities buy and administer vaccine.

# 383

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 1311:

When the grant program began in 1963, the only vaccines available were diphtheria and tetanus toxoids and whole-cell pertussis (DTP), polio, and smallpox. Since that time, funding has been expanded to cover vaccines routinely recommended for children.

# 384

Titre de l'article :

Safety Testing of Poliomyelitis Vaccine

PMID:

13432758

Auteur principal/Année: Paul Meier, 1957

Revue: Science

#### P. 4:

Many of the technical reports and publications which have appeared both before and after the Cutter incident have been vague about those facts which might open the status of the program to criticism. For example, the public statement proceeding the field trial did not mention the finding of live virus... Perhaps the most disturbing element of the entire program has been the disparity between the risks that were known to be involved and the repeated assurances of safety.

# 385

Titre de l'article:

Safety Testing of Poliomyelitis Vaccine

PMID: 13432758

Auteur principal/Année: Paul Meier, 1957

Revue: Science

#### P. 4:

To the query, "what is the estimated calculated risk of inducing poliomyelitis infection by the inoculation of vaccine under present safety standards?" the foundation reply is "None, No risk".

# 386

Titre de l'article :

The Present Status of Polio Vaccines

Archive:

https://drive.google.com/open?id=13MEzjI rvcvuzbltwTqBhGiOm8nZln2I4

Auteur principal/Année: Herbert Ratner, 1960

Revue:

Illinois Medical Journal

## P.9:

How is it that today you hear from the members of this panel that the Salk vaccine situation is confused; yet, what everybody knows from reading the newspapers, and has been known since the vaccine was introduced, is that the situation as far as the Salk vaccine is concerned was and is marvelous?

...the best way to push forward a new program is to decide on what you think the best decision is and not question it thereafter, and further, not to raise questions before the public or expose the public to open discussion of the issue.

Titre du livre :

The Cutter Incident: How America's First Polio Vaccine Led to the Growing Vaccine

https://www.amazon.com/Cutter-Incident-Americas-Vaccine-Growing/dp/0300126050

Auteur principal/Année: Maison d'édition: Paul A. Offit, 2005 Yale University Press

P. 101-102

# 388

#### Titre du livre:

The Cutter Incident: How America's First Polio Vaccine Led to the Growing Vaccine

https://www.amazon.com/Cutter-Incident-Americas-Vaccine-Growing/dp/0300126050

Auteur principal/Année: Maison d'édition: Paul A. Offit, 2005 Yale University Press

#### P. 102:

Quietly and with little attention from the public or the media, Wyeth recalled one lot of its vaccine.

# 389

#### Titre du livre :

The Cutter Incident: How America's First Polio Vaccine Led to the Growing Vaccine

https://www.amazon.com/Cutter-Incident-Americas-Vaccine-Growing/dp/0300126050

Auteur principal/Année: Maison d'édition: Paul A. Offit, 2005 Yale University Press

The Wyeth Problem [report] was sent to the director of the Communicable Diseases Center, the director of the National Institutes of Health, the Surgeon General of the United States, and the director of the Laboratory of Biologics Control. It was never released to the media, never shown to polio researchers, never shown to the National Foundation, never shown to polio vaccine advisers, never distributed to health care professionals, never published in medical journals, and never made available to defense attorneys in subsequent lawsuits against Cutter Laboratories. As a result, only a handful of people knew about the problem with Wyeth's vaccine.

# 390

### Titre du livre :

The Cutter Incident: How America's First Polio Vaccine Led to the Growing Vaccine

https://www.amazon.com/Cutter-Incident-Americas-Vaccine-Growing/dp/0300126050

Auteur principal/Année: Maison d'édition : Paul A. Offit, 2005 Yale University Press

Nathanson surmised that the government never publicly disclosed the Wyeth problem because it wanted to maintain the public's trust in the polio vaccine program. If people thought that the problem was limited to one company's incompetence, the solution was simply to eliminate that company's vaccine. But if the problem was industrywide, people would be afraid to use any polio vaccine. "As long as the problem was with one manufacturer and a couple of lots of vaccine," Nathanson recalled, "it would be viewed as an aberration due to sloppy manufacturing or testing procedures and not an intrinsic problem. Once it was extended to a second manufacturer, it would be seen as intrinsic to the product."

391	On trouve une brève description de l'affaire SV-40 dans :				
	Titre de l'article :				
	Monkeys, viruses, and vaccines <a href="https://www.thelancet.com/action/showPdf?pii=S0140-6736%2804%2916746-9">https://www.thelancet.com/action/showPdf?pii=S0140-6736%2804%2916746-9</a>				
	Auteur principal/Année : Tom Curtis, 2004	Revue : Lancet			
	P. 1				
	Une description plus approfondie figure dans : Titre de l'article : The Virus and the Vaccine		Date : Février 2000		
	Site Internet: The Atlantic <a href="https://www.theatlantic.com/magazine/archive/2000/02/the-virus-and-the-vaccine/377999/">https://www.theatlantic.com/magazine/archive/2000/02/the-virus-and-the-vaccine/377999/</a>			Archive: http://archive.is/xxoiH	
	En outre, Paul Offit confirme les points principaux :				
	Titre du livre : Deadly Choices <a href="https://www.amazon.com/Deadly-Choices-Anti-Vaccine-Movement-Threatens/dp/0465029620">https://www.amazon.com/Deadly-Choices-Anti-Vaccine-Movement-Threatens/dp/0465029620</a>				
	Auteur principal/Année : Paul A. Offit, 2011	Maison d'édition : Basic Books			
	P. 17				

Titre de l'article :

Transmission Of Poliomyelitis Virus

PMID: 14889394

Auteur principal/Année:

Revue:

Albert B. Sabin, 1951

Journal of Pediatrics

# P. 7:

...one of the most striking facts in the epidemiology of poliomyelitis is the regularity with which most members of a family either succumb within a few days of one another when there are multiple frank cases, or are found to be simultaneous carriers of the virus. While there are a number of possible explanations for this, all of which may apply at different times, the consumption of a common article of food or drink, contaminated before or after it reaches the home, is as plausible and possible as any other.

393	Titre de l'article
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Poliomyelitis Problems

PMID: 14796117

Auteur principal/Année:

Revue:

Archibald L. Hoyne, 1951

Medical clinics of North America

P. 2:

Foods, including milk and water, have all been acquitted as vectors.

# 394

Titre de l'article :

Review: Science and the Law: The Case of DDT

Reviewed Work: DDT: Scientists, Citizens, and Public Policy. by Thomas R. Dunlap

https://www.jstor.org/stable/2701809

Auteur principal/Année: Revue:

John H. Perkins, 1982 Reviews in American History

DDT was sufficiently cheap and effective to open up new possibilities for insecticide use that has previously been technically and economically impossible.

# 395

Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

American Journal of Public Health Fred C. Bishopp, 1946

DDT is a nerve poison, as indicated by the early appearance of muscular tremors and other symptoms.

# 396

Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année : Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

P. 2:

DDT must not be allowed to get into foods or to be ingested accidentally.

# 397

Titre de l'article :

Present Position of DDT in the Control of Insects of Medical Importance

Auteur principal/Année: Revue:

Fred C. Bishopp, 1946 American Journal of Public Health

One of the outstanding characteristics of DDT is its persistence. In fact, this is perhaps the major element in making it superior to many other insecticides. This persistence, however, makes it necessary to use care when applying it on crops or products intended for food or feed.

# 398

Titre de l'article :

Possible Hazards From The Use of DDT https://ajph.aphapublications.org/doi/pdf/10.2 105/AJPH.39.7.925

Archive:

https://drive.google.com/open?id=1n3Ni vviMKqiEFbZ9PzowYd0R-2L6DA6t

Auteur principal/Année :

Revue:

Editorial (unsigned), 1949

American Journal of Public Health

In April it urged 5 that "this insecticide not be applied to animals producing milk for human consumption. In the light of current information the Bureau also advises that safer materials be used for insect control in places where the milk might be contaminated, such as dairy barns, milk rooms, rooms containing dairy feed, or in similar situations on the farm. Nor should DDT be used for fly control in milk-processing plants.

# 399

Titre de l'article :

Public Health Aspects Of The New Insecticides

Auteur principal/Année: Revue:

Morton S. Biskind, 1953 American Journal of Digestive Diseases

DDT is a delayed-action poison. Due to the fact that it accumulates in the body tissues, especially in females, the repeated inhalation or ingestion of DDT constitutes a distinct health hazard. The deleterious effects are manifested principally in the liver, spleen, kidneys and spinal cord... DDT is excreted in the milk of cows and of nursing mothers

after exposure to DDT sprays and after consuming food contaminated with this poison. Children and infants especially are much more susceptible to poisoning than adults.

# 400

#### Titre du document :

Health Hazards Of Electric Vaporizing Devices For Insecticides

Auteur principal/Année:

AMA Council On Pharmacy And https://drive.google.com/open?id=1Um6gN AsFgcM-TDf5Po7IAT0c6BSKtwK7 Chemistry, 1952

### P. 1:

...it is not reasonable to expect that human beings can avoid injury if they are exposed year after year to a toxic agent in atmospheric concentrations that kill insects in a few hours... the resultant injury may be cumulative or delayed, or simulate a chronic disease of other origin, thereby making identification and statistical comparison difficult or impossible.

# 401-420

# 401

## Nom de la page :

Select Committee to Investigate the Use of Chemicals in Food and Cosmetics (1950-52)

### Site Internet:

Archives.GOV

https://www.archives.gov/legislative/guide/house/chapter-22-select-food-andcosmetics.html

The committee was authorized to inquire into the extent and the effect of the use of chemicals, synthetics, pesticides, and insecticides in the production and preparation of food products and to determine the effects of such use on the public and upon agricultural stability.

# 402

#### Titre du document :

A Legislative History of the Pesticide Residues Amendment of 1954 and the Delaney Clause of the Food Additives Amendment of 1958 https://www.ncbi.nlm.nih.gov/books/NBK218051/

Auteur principal/Année: Archive:

Bruce S. Wilson, 1987 http://archive.is/pPZ1p

P. 2-3:

On June 30, 1952, the House Select Committee to Investigate the Use of Chemicals in Foods and Cosmetics (Delaney Committee) culminated its two-year investigation into the "nature, extent and effect of the use of chemicals" in food and food production. The committee recommended that the House pass legislation to control the flow of chemical substances into the nation's food supply.

# 403

# Titre du document :

Public Law 518 STATUTE-68

Auteur principal/Année: Archive:

US, 1954 https://drive.google.com/open?id=1TbDH-

ACNLOpuwTlyWdRcrIpeS75xuLfT

P. 1-2

Titre du document :

Health Hazards Of Electric Vaporizing Devices For Insecticides

Auteur principal/Année: Archive:

AMA Council On Pharmacy And https://drive.google.com/open?id=1Um6gN AsFgcM-TDf5Po7IAT0c6BSKtwK7 Chemistry, 1952

#### P. 2-3:

Federal regulatory agencies, particularly the Insecticide Division, United States Department of Agriculture, have challenged the promotion and use of these dispensers in homes and small capacity areas... Several states and municipalities have recognized the urgency of this problem at the state and local level and are considering ordinances and other types of appropriate regulations.

# 405

### Titre du document :

Health Hazards Of Electric Vaporizing Devices For Insecticides

Auteur principal/Année: Archive:

AMA Council On Pharmacy And https://drive.google.com/open?id=1Um6gN AsFgcM-TDf5Po7IAT0c6BSKtwK7 Chemistry, 1952

This atmospheric level of lindane coupled with its comparatively greater freedom from long-term toxic effects may have partially influenced the change from DDT which has occurred in the use of the automatic, thermostatically controlled type of insecticide generators. The principal reason behind this change, however, was the increasing incidence of insect resistance which is being encountered with the use of DDT. Resistance factors may have also contributed to selection of lindane as the impregnate in insecticide fumigating strips which in continental Europe are being proposed for home and commercial use.

# 406

### Titre de l'article :

The epidemiology of poliomyelitis: enigmas surrounding its appearance, epidemicity, and disappearance

PMID: 400274

Auteur principal/Année: Revue:

Neal Nathanson, 1979 American Journal of Epidemiology

#### P. 1:

As a disappearing disease, interest in poliomyelitis has waned during the 25 years since the introduction of inactivated poliovirus vaccine (IPV).

# 407

### Titre de l'article :

Some Observations on Poliomyelitis Lameness Surveys

PMID: 6740075

Auteur principal/Année: Revue:

Roger H. Bernier, 1984 Reviews of Infectious Diseases

408

### Titre de l'article :

Some Observations on Poliomyelitis Lameness Surveys

PMID: 6740075

Auteur principal/Année: Revue:

Roger H. Bernier, 1984 Reviews of Infectious Diseases

P. 2-3, tableau 1

### Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

### P. 610:

In the last three decades, a series of lameness surveys were conducted in many developing countries that reported between 5 and 10 lameness cases per 1,000 children in the age

group studied, suggesting that approximately 1 in 100 to 1 in 200 children acquire paralytic disease attributable to poliovirus.

#### 409 Titre de l'article :

The Epidemiology of Polio in Israel - An Historical Perspective

Auteur principal/Année : Revue:

Tiberio A. Swartz, 2008 Israel Center for Disease Control (ICDC), Ministry of Health

Les données sur Israël figurent à la page 45, tableau 4.3.

#### 410 Titre de l'article :

Differential Diagnosis of Acute Flaccid Paralysis and Its Role in Poliomyelitis Surveillance

Revue:

PMID: 11218380

Auteur principal/Année:

Arthur Marx, 2000 Epidemiologic Reviews

P. 7:

lower socioeconomic status... have been shown to increase the risk of acquiring paralytic manifestations,...

# 411

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 573-574:

...polio was a worldwide disease with an incidence in the tropics that was as high as that in the developed world, but it was unrecognized due to the concentration of cases in infants younger than 2-years-old.

# 412

Titre de l'article :

PMID: Some Observations on Poliomyelitis Lameness Surveys 6740075

Auteur principal/Année:

Revue:

Roger H. Bernier, 1984 Reviews of Infectious Diseases

P. 2

#### 413 Titre de l'article:

From malaria control to eradication: The WHO perspective https://onlinelibrary.wiley.com/doi/epdf/10.1111/j.1365PMID: 19497083

3156.2009.02287.x

Auteur principal/Année: Revue:

Kamini Mendis, 2009 Tropical Medicine and International Health

### P. 2:

When the potent tools DDT and chloroquine became available, WHO launched the Global Malaria Eradication Programme in 1955, which led to a campaign to interrupt transmission in all endemic areas outside tropical Africa where the intensities of transmission were low to moderate (WHO 1956). As a result of this campaign, 37 of the 143 countries that were endemic in 1950 were free from malaria by 1978, including 27 in Europe and the Americas.

Selon cet article, la lutte mondiale contre la malaria a commencé dès la fin des années 1940.

Titre de l'article :

Evolutionary and Historical Aspects of the Burden of Malaria https://www.ncbi.nlm.nih.gov/pmc/articles/PMC126857/

PMID: 12364370

Auteur principal/Année: Revue: Richard Carter, 2002 Clinical Microbiology Reviews

In the late 1940s and early 1950s, national malaria control campaigns were established in almost all of the affected countries of the region, from the Middle East, through the Indian subcontinent and Southeast Asia, to the islands of the Western Pacific, including those of Indonesia and the Philippines. Under the broad direction and encouragement of the newly formed World Health Organization, and employing the residual insecticide DDT to spray homes, spectacular reductions in malaria incidence and malaria-related mortality were achieved, especially in India and Ceylon...

#### 414 Titre de l'article :

Paris Green in the Eradication of Anopheles Gambiae: Brazil 1940, Egypt 1945

Auteur principal/Année: Revue:

Fred L. Soper, 1966 Journal of the American Mosquito Control Association

### P. 1:

Egypt eradication came in 1945, three years after the invasion occurred. The basic method used in each country was a straightforward chemical attack with Paris Green.

#### P. 6:

In Egypt, as in Brazil, gambiae proved to be highly susceptible to Paris Green larviciding. The last gambiae in Egypt was found on February 19, 1945, just seven months after routine application of Paris Green began.

Titre de l'article :

PMID: 12383612

Eradication of Anopheles gambiae from Brazil: lessons for malaria control in Africa?

Auteur principal/Année: Revue:

Gerry F Killeen, 2002 Lancet Infectious Diseases

## P. 6:

The Rockefeller team was summoned and adapted the methods developed in Brazil to the ecological situation in Egypt. Although DDT had become available, its use was limited to residual spraying of railway carriages, aeroplanes, and boats. While domestic pyrethrum spraying was used to quell epidemic malaria transmission, it was larviciding with Paris Green that was used to eradicate the vector.

#### 415 Titre de l'article :

PMID:

14933381

A Survey Of Neutralizing Antibodies To Poliomyelitis Virus In Cairo,

Auteur principal/Année: Revue:

John R. Paul, 1952 American Journal of Epidemiology

P. 1-2.

# 416

Titre de l'article :

PMID: 14064722

Epidemiology Of Poliomyelitis And Allied Diseases--1963

Archive:

https://www.ncbi.nlm.nih.gov/pmc/articles/P MC2604573/pdf/yjbm00599-0011.pdf

https://drive.google.com/open?id=1fV\_w0 3BSORQKex-hR7DkGZH44EXUwpTv

Auteur principal/Année: Dorothy M. Horstmann, 1963 Revue:

Yale Journal of Biology and Medicine

P. 1:

For, although virtual control of paralytic poliomyelitis has been achieved in large geographical areas, in others (particularly tropical and sub-tropical ones) the disease is only now beginning to appear for the first time in epidemic form.

417 En 2009, des scientifiques ont mis en garde contre l'utilisation du DDT pour éradiquer la malaria.

Date: 4 mai 2009

Titre de l'article :

Archive:

Should DDT Be Used to Combat Malaria?

http://archive.is/KV3zl

Site Internet:

Scientific American

https://www.scientificamerican.com/article/ddt-use-to-combat-malaria/

418	Le Nigeria, l'Inde et d'autres pays africains continuent d'utiliser le DDT contre la malaria.  Titre de l'article :  African countries adopt controversial deadlychemical, DDT, for malaria treatment		Date : 17 juillet 2013		
			Archive : http://archive.is/5NhN d		
	Site Internet: Premium Times http://www.premiumtimesng.com/news/141150-african-countries-adopt-controversial-deadly-chemical-ddt-for-malaria-treatment.html				
	on trouve because as BB1 dane less treeds daipear, le lait		PMID: 9142603		
	Auteur principal/Année : Catharina Wesseling, 1997 P. 18				
	L'utilisation du DDT dans la lu arrêtée et relancée à plusieur 2006, l'OMS a réapprouvé l'ur contre la malaria. Nom de la page :	s reprises. Par exemple, en	Archive : http://archive.is/bn2o		
	WHO gives indoor use of DDT a clean billof health for controlling malaria				
	Site Internet : WHO <a href="http://www.who.int/mediacentre/news/releases/2006/pr50/en/">http://www.who.int/mediacentre/news/releases/2006/pr50/en/</a>				
	En 1994, une enquête menée dans trois pays africains – l'Ouganda, le Kenya et la Tanzanie – a révélé l'utilisation de DDT.  Titre de l'article : Agricultural Pesticide Use In Developing Countries: Health Effects And Research Needs				
	Auteur principal/Année : Catharina Wesseling, 1997	Revue : International Journal of Health Ser	rvice		
	P. 5				

Titre du document : TOXICS AND POVERTY: The Impact of Toxic Substances On the Poor in

https://drive.google.com/open?id=1B qiPquQKvBUxnCP11icG1FwNmzkj **OEpP** 

Archive:

Auteur principal/Année:

**Developing Countries** 

World Bank, 2002

### P. 46:

Overall, WHO food-sampling data indicated that DDT and its derivatives (DDE and DDD) have the highest levels in the food supply directly in countries where DDT is still in use or only recently has been banned; they continue to be found in the food chain in countries where DDT use has been prohibited for many years. Substantial quantities of DDT and its metabolites are found in human blood, fat tissue, and breast milk in surveys around the world.

# 420

Titre de l'article :

PMID:

Agricultural Pesticide Use In Developing Countries: Health Effects And Research Needs

Revue:

9142603

Auteur principal/Année :

Catharina Wesseling, 1997

International Journal of Health Service

#### P. 4:

According to the review of the WHOLJNEP Working Group, developing countries consume only between 20 and 25 percent of the world pesticide production. However, the review noted that the fastest growing markets are located in developing regions such as Africa, South and Central America, Asia, and the Eastern Mediterranean Region and that pesticide use in developing countries would double between 1983 and 1993.

# 421-440

# 421

Titre de l'article :

PMID:

Differential Diagnosis of Acute Flaccid Paralysis and Its Role in Poliomyelitis Surveillance

11218380

Auteur principal/Année: Revue:

Arthur Marx, 2000

Epidemiologic Reviews

### P. 11:

Exposure (often agricultural or industrial) to chemicals such as lead, arsenic... may cause peripheral motor neuropathy... Arsenic-containing compounds such as melarsoprol are still being used in developing countries for the treatment of African trypanosomiasis (sleeping sickness) and may cause Guillain-Barre syndrome-like AFP.

# 422

Titre de l'article :

PMID:

Agricultural Pesticide Use In Developing Countries: Health Effects And Research Needs

9142603

Auteur principal/Année: Revue:

Catharina Wesseling, 1997

International Journal of Health Service

Over 60 percent of the economically active population in the Third World depends on agriculture. Agricultural workers are exposed to many risk factors such as biological, physical, and chemical agents, and trauma, but the use of toxic pesticides is likely to be one of the most relevant occupational hazards for agricultural workers in the Third World.

423	Titre de l'article : Pesticides, health and environment	Date : 26 mars 2007	
	Site Internet: Pakissan <a 2ndissueallpaperpdf="" biology%20journal="" fuuast.edu.pk="" href="http://www.pakissan.com/english/news/news/news/news/news/news/news/news&lt;/th&gt;&lt;th&gt;Archive: http://archive.is/yZN6D&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=3&gt;Some of the classical members of following groups are used in Pakistan: Chlorinated Hydrocarbon Pesticide: (1) Aldrin, (2) BHC (lindane/gammexane), (3) Chlordane, (4) DDT, (5) Dieldrin, (6) Endrin, (7) Heptachlor, (8) Thiodane.&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;Titre de l'article :&lt;br&gt;How Pakistan's farmers are cleaning up cotton&lt;/th&gt;&lt;th&gt;Date : 27 juin 2011&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;Site Internet: The Telegraph https://www.telegraph.co.uk/journalists/sally- williams/8592326/How-Pakistans-farmers-are-cleaning- up-cotton.html&lt;/th&gt;&lt;th&gt;Archive: http://archive.is/uZN0W&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th colspan=3&gt;Then there is the black market. Here farmers can buy illegal seeds and the sort of highly toxic mix where incorrect application results in more than dead bollworms. DDT (dichlorodiphenyltrichloroethane), for example, belongs to one of the most hazardous groups of chemicals called persistent organic pollutants&lt;/th&gt;&lt;/tr&gt;&lt;tr&gt;&lt;th&gt;&lt;/th&gt;&lt;th&gt;Titre de l'article : Persistence Of DDT Pesticides In Residues Of Tobacco Crop &lt;a href=" https:="" images="" pdfs="" persistence%200f%20ddt%20pesticides%20in%20residues%20of%20tobacco%20crop.pdf"="">https://fuuast.edu.pk/biology%20journal/images/pdfs/2ndissueallpaperpdf/PERSISTENCE%20OF%20DDT%20PESTICIDES%20IN%20RESIDUES%20OF%20TOBACCO%20CROP.pdf</a>		
	Auteur/Année : Nusrtat Hassan, 2011		
	P. 2: It is suggested that since people in Pakistan, Particularly in northern parts, use homemade tobacco preparations for chewing purposes, therefore DDT spray even in nursery stages are not recommended due to its toxic nature.		

#### 424 Titre de l'article : PMID: Differential Diagnosis of Acute Flaccid Paralysis and Its Role in 11218380 Poliomyelitis Surveillance Auteur principal/Année: Revue: Arthur Marx, 2000 Epidemiologic Reviews Exposure (often agricultural or industrial) to chemicals such as lead, arsenic... may cause

peripheral motor neuropathy... Arsenic-containing compounds such as melarsoprol are still being used in developing countries for the treatment of African trypanosomiasis (sleeping sickness) and may cause Guillain-Barre syndrome-like AFP.

	425	Titre de l'article : Pesticide use in developing countries		PMID: 11246121
		Auteur principal/Année : Donald J. Ecobichon, 2001	Revue : Toxicology	
	P. 2: In agriculture, the tendency is to use 'older', nonpatented, least expensive, more acutely toxic and environmentally persistent agents that can be manufactured in country or			

formulated from active ingredients imported from regional sources having chemicals synthesizing capabilities. Many of these chemicals have been banned or their use severely restricted in 'western' nations but are freely available on the world market.

#### 426 Titre de l'article :

Agricultural Pesticide Use In Developing Countries: Health Effects

And Research Needs

Revue:

Auteur principal/Année: Catharina Wesseling, 1997

International Journal of Health Service

Inadequate agricultural practices, ignorance of the dangers inherent in pesticides, illiteracy, poor legislation, and lack of enforcement are generally the rule in Third World countries, and greatly increase the risks for workers and the general population in these countries.

# 427

Titre de l'article :

Agricultural Pesticide Use In Developing Countries: Health Effects

Revue:

And Research Needs

PMID: 9142603

PMID:

9142603

Auteur principal/Année:

Catharina Wesseling, 1997

International Journal of Health Service

P. 2, 4-5, 14

# 428

Titre de l'article :

PMID:

Pesticide use in developing countries

11246121

Auteur principal/Année: Donald J. Ecobichon, 2001

Revue: Toxicology

Examination of recent literature reveals that the largest proportion of human acute toxicity data related to pesticide intoxications comes from developing nations.

# 429

Titre du document :

**Eradication Of Poliomyelitis** 

http://apps.who.int/gb/archive/pdf\_files/WHA57/A57\_8-en.pdf

Auteur/Année:

Archive:

WHO, 2004

https://drive.google.com/open?id=1zQOv0K5OGFKGaF

DktBDr1bAexQD4Wear

## P. 1:

Current eradication strategies recommended by the World Health Organization include national mass campaigns administering oral polio vaccine to all children under 5 years of age, enhanced surveillance to detect cases of acute flaccid paralysis, creating a network of laboratories for viral diagnosis, and targeted immunization to areas and populations where poliovirus transmission is likely to persist.

# 430

Titre de l'article :

PMID:

Paralytic poliomyelitis: seasoned strategies, disappearing disease

7910329

Auteur principal/Année: Harry F. Hull, 1994

Revue: Lancet

Current eradication strategies recommended by the World Health Organization include national mass campaigns administering oral polio vaccine to all children under 5 years of age, enhanced surveillance to detect cases of acute flaccid paralysis, creating a network of

laboratories for viral diagnosis, and targeted immunization to areas and populations where poliovirus transmission is likely to persist.

431 Titre du document :

The Time To Eradicate Polio Is Now

Auteur/Année: Archive:

CDC, 2014 https://drive.google.com/open?id=16bIfvF2FotFsAxAsR

5xoNmkfEwntow8b

432 Titre du document :

Eradication Of Poliomyelitis http://apps.who.int/gb/archive/pdf files/WHA57/A57 8-en.pdf

Auteur/Année: Archive:

WHO, 2004 https://drive.google.com/open?id=1zQOv0K5OGFKGaF

DktBDr1bAexQD4Wear

P. 1:

In 1988... wild-type poliovirus was endemic in over 125 countries and on five continents, paralyzing more than 350,000 children each year.

Titre du document :

The Time To Eradicate Polio Is Now

Auteur/Année: Archive:

CDC, 2014 https://drive.google.com/open?id=16bIfvF2FotFsAxAsR

5xoNmkfEwntow8b

P. 1:

Polio cases worldwide 1988 = 350,000

Titre du document :

Polio Eradication

Auteur/Année : Archive:

UNICEF, 2001 https://drive.google.com/open?id=1DmySyWXHgy0kj6

YfZ83XK0bdkTY4Wg75

Polio cases have declined by 99 per cent since the launch of the polio eradication initiative in 1988, from 350,000 to less than 3,500 in 2000.

Titre de l'article : The global polio eradication initiative: Lessons learned and prospects

for success

Auteur principal/Année : Revue:

Bruce Aylward, 2011 Vaccine

At the time of the 1988 WHA resolution on polio, more than 125 countries were still considered to have transmission of indigenous wild polioviruses (WPVs), and each year, more than 350,000 children were paralyzed by the disease.

433 Titre de l'article :

Paralytic poliomyelitis: seasoned strategies, disappearing disease

PMID:

PMID:

22486981

7910329

Auteur principal/Année: Harry F. Hull, 1994

Revue: Lancet

### P. 14:

In 1992, the officially reported figure was 15,406 cases (figure 3) an 8% increase from the 14,199 reported the previous year but a 52% fall from the 32,419 reported in 1988.

Pour sa défense, l'Organisation mondiale de la santé a affirmé que le nombre de cas signalés était bien inférieur à son taux réel.

PMID: 15932011

Titre de l'article :

Polio Eradication Initiative In India: Deconstructing The GPEI

Auteur principal/Année: Revue:

International Journal of Health Services C. Sathyamala, 2005

### P. 18:

In 1988, when the WHO launched the global eradication program, the total number of paralytic poliomyelitis cases reported worldwide was 32,419. However, the WHO increased the figure 10-fold to justify the claim that paralytic poliomyelitis was a major problem of public health importance. Thus, post facto, the number of polio cases worldwide artificially rose from about 35,000 to 350,000 for 1988. The WHO's argument was that the reported cases were an underestimate and that they were at least ten times more.

# 434

## Titre du livre :

Paralyzed with Fear

https://www.amazon.com/Paralysed-Fear-Story-Gareth-Williams/dp/1137299754

Auteur principal/Année: Maison d'édition: Palgrave Macmillan Gareth Williams, 2013

#### P. 85:

Before vaccination took hold, the poliovirus caused virtually all cases of 'acute flaccid paralysis', the clinical hallmark of polio.

# 435

#### Titre de l'article :

PMID:

Differential Diagnosis of Acute Flaccid Paralysis and Its Role in Poliomyelitis Surveillance

<u>11218</u>380

Auteur principal/Année:

Revue:

Arthur Marx, 2000 Epidemiologic Reviews

### P. 1:

Acute flaccid paralysis (AFP) is a clinical syndrome characterized by rapid onset of weakness, including (less frequently) = weakness of the muscles of respiration and swallowing, progressing to maximum severity within several days to weeks.

# 436

Désignation abrégée :

Plotkin 2013 - Vaccines (6<sup>e</sup> édition)

P. 503, tableau 28-2

# 437

Titre de l'article :

PMID:

Differential Diagnosis of Acute Flaccid Paralysis and Its Role in

11218380

Poliomyelitis Surveillance Auteur principal/Année:

Revue:

Arthur Marx, 2000

Epidemiologic Reviews

P. 3-5

Titre de l'article :

R. B. Jenkins, 1964

Polyneuropathy Following Exposure To Insecticides

PMID:

14120595

Auteur principal/Année:

Revue :

Archives Of Internal Medicine

#### P. 1:

A cause-and-effect relation between exposure to insecticides and subsequent development of polyneuropathy is very difficult to prove even when strongly suspected... Our two patients... might have been considered to be suffering from a sporadic form of the Guillain-Barre' syndrome of cryptogenic origin had not the close association between exposure to insecticide and neurologic manifestations made an etiologic relationship probable.

# 439

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

#### P. 601:

Because AFP has many causes, including Guillain-Barre syndrome, transverse myelitis, and infection with nonpolio enteroviruses (see "Differential diagnosis"), laboratory confirmation is critical to establishing the diagnosis of poliomyelitis. The basic approach is to attempt to isolate poliovirus from the stools of patients with AFP and to characterize any poliovirus isolates to determine whether they are vaccine-related or wild.

Titre de l'article :

PMID:

Paralytic poliomyelitis: seasoned strategies, disappearing disease

7910329

Auteur principal/Année : Harry F. Hull, 1994

Revue : Lancet

P. 1:

A syndrome identical to polio is caused by other enteroviruses, notably enterovirus 71, and some atypical cases may be difficult to differentiate clinically from Guillain-Barre syndrome. A definitive diagnosis requires laboratory confirmation, and virus isolation from stools is the most reliable test.

# 440

Par exemple, en Australie :

Titre du document :

Poliovirus infection case definition summary

https://www.health.gov.au/internet/main/publishing.nsf/Content/cda-phlncd-polio.htm/\$FILE/polio.pdf

Auteur principal/Année :

Archive:

Public Health Laboratory Network (Australia), 2000

https://drive.google.com/open?id=1RCX0f4JIgD

Whu4Ypvf55CUPB8b1FJg3f

#### P. 7

- 4.2 Paralytic Poliomyelitis Potential Case = Acute Flaccid Paralysis: Any case of acute flaccid paralysis (AFP), a syndrome characterised by acute onset of progressive weakness and flaccidity of the extremities without sensory loss, plus/minus weakness of muscles of respiration & swallowing, progressing to maximum severity within 1-10 days.
- 4.3 Paralytic Poliomyelitis Confirmed Case: A case of acute flaccid paralysis with culture of wild-type poliovirus from the throat, blood, faeces or CNS material confirmed by the RRL.

# 441-447

Désignation abrégée :

Plotkin 2013 - Vaccines (6e édition)

P. 638, image 28-12.

# 442

Titre de l'article :

Polio programme: let us declare victory and move on

PMID: 22591873

Auteur principal/Année: Neetu Vashisht, 2012

Revue:

Indian Journal of Medical Ethics

It is sad that, even after meticulous surveillance, this large excess in the incidence of paralysis was not investigated as a possible signal, nor was any effort made to try and study the mechanism for this spurt in non-polio.

# 443

Titre de l'article :

Polio free does not mean paralysis free

Date:

3 janvier 2013

Site Internet:

The Hindu http://www.thehindu.com/opinion/lead/poliofree-does- not-mean-paralysis-free/article4266043.ece

Archive:

http://archive.is/EGjTb

Unfortunately, the cases of children with non-polio AFP were not being monitored by either the polio eradication programme or the larger state health care system. As a result, there was no clear picture of what was causing the AFP, the kind of diseases these children displayed, or how many of them were seriously affected.

# 444

Titre de l'article :

Eradicating poliomyelitis: India's journey from hyperendemic to polio-free status

PMID:

23760372

Auteur principal/Année:

T. Jacob John, 2013

Revue:

Indian Journal Of Medical Research

Many children got polio in spite of seven or 10 or even 15 doses of tOPV.

Titre de l'article :

PMID:

20367459

Asymptomatic Wild-Type Poliovirus Infection in India among Children with Previous Oral Poliovirus Vaccination

Auteur principal/Année:

Revue:

Nicholas C. Grassly, 2010

Journal of Infectious Diseases

P. 6. tableau 2:

Nearly 60% of the children in the study received more than 10 vaccine doses.

# 445

Titre de l'article :

PMID:

Polio programme: let us declare victory and move on

22591873

Auteur principal/Année:

Revue:

Neetu Vashisht, 2012

Indian Journal of Medical Ethics

This shows that the non-polio AFP rate increases in proportion to the number of polio vaccines doses received in each area. Nationally, the non-polio AFP rate is now 12 times higher than expected.

446 Titre de l'article : PMID: Paralytic consequences of poliomyelitis infection in different parts of the 14885514 world and in different population groups https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1525657/pdf/amjphnation 00428-0010.pdf

Auteur principal/Année: Revue:

Albert B. Sabin, 1951 American Journal of Public Health

...the goal of poliomyelitis research is not the elimination of poliomyelitis infection but of the paralysis which is the important consequence of that infection.

PMID:

400274

447 Titre de l'article :

The epidemiology of poliomyelitis: enigmas surrounding its appearance,

epidemicity, and disappearance

Auteur principal/Année: Revue:

Neal Nathanson, 1979 American Journal of Epidemiology

P. 1:

Poliomyelitis has undoubtedly received as much attention from epidemiologists as any other viral disease of man. Yet in spite of intensive study over a century, many of the salient epidemiologic features of this infection must still be considered enigmas. Even some of the accepted dogmas about poliomyelitis can be debated as perhaps erroneous.