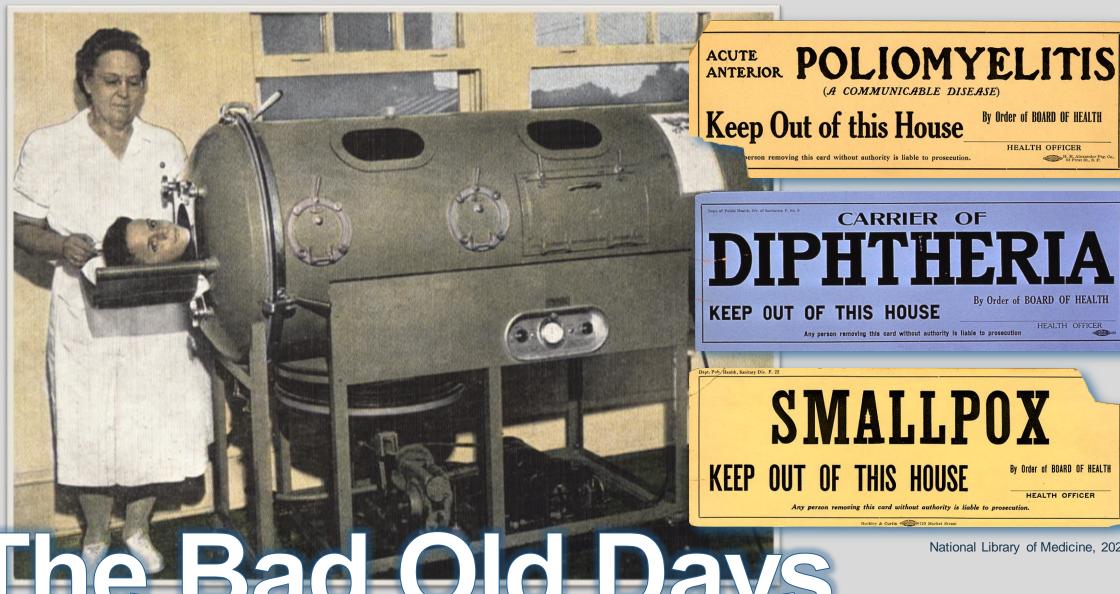
The Value of Vaccination

Past, Present, and Future

Acting Commissioner New Jersey Department of Health Jeffery A. Brown





National Library of Medicine, 2024

HEALTH OFFICER



Benefits of Vaccination

Disease	20th C. Annual Morbidity*	2023 Reported Cases**	Percent Decrease
Smallpox	29,005	0	100%
Diphtheria	21,053	2	> 99%
Measles	530,217	47	> 99%
Mumps	162,344	429	> 99%
Pertussis	200,752	5,611	97%
Polio (paralytic)	16,316	0	100%
Rubella	47,745	3	> 99%
Congenital Rubella Syndrome	152	0	100%
Tetanus	580	15	97%
Haemophilus influenzae	20,000	27*	> 99%

^{*}JAMA. 2007;298(18):2155-2163 **CDC. National Notifiable Diseases Surveillance System, Weekly Tables of Infectious Disease Data. Atlanta, GA. CDC Division of Health Informatics and Surveillance (DHIS); Available at: Weekly statistics from the National Notifiable Diseases Surveillance System. Data submitted through Dec 31, 2023; accessed Jan 24, 2024; diphtheria and polio case sounts reported by CDC Program.

•Haemophilus influenzae type b (Hib) < 5 years of age. An additional 12 cases of Hib are estimated to have occurred among the 257 notifications of Haemophilus influenzae type b (Fig. 2).

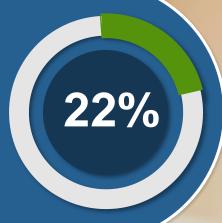
National Center for Immunization & Respiratory Diseases Historical Comparisons of Vaccine - Preventable Disease Morbidity in the U.S. 2/14/2024





Pneumococcal Disease

22% reduction in all-cause mortality in adults with cardiovascular disease



Influenza

50% reduction in risk of illness

Hepatitis B Up to 60% reduction of acute hepatitis B



Herpes Zoster
More than 90%
reduction in
prevention of
shingles and
postherpetic
neuralgia

50%



National Foundation for Infectious Diseases, 2024

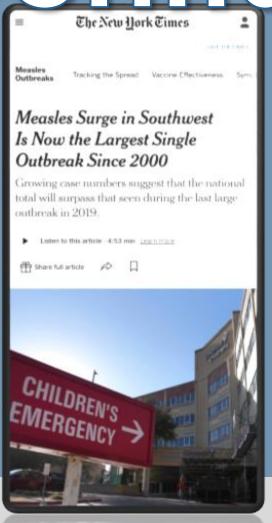


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The study, which was published in JAMA on June 2,





Health Care "Not Just Measles": Whooping Cough Cases Are Soaring as Vaccine Rates



A digital billboard in Seminole, Texas, last month, limite the measies. outbreak has been concentrated in West Texas, cases of perhasas have soared nationwide.

by Duaa Eldeib and Patricia Callahan, and photography by Sarahbeth Maney

Decline





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How Trump's attempted cuts could





