## Vaccines work!

## CDC statistics demonstrate dramatic declines in vaccine-preventable diseases when compared with the pre-vaccine era

DISEASE	PRE-VACCINE ERA ESTIMATED ANNUAL MORBIDITY <sup>1</sup>	MOST RECENT REPORTS OR ESTIMATES OF U.S. CASES	PERCENT DECREASE
Diphtheria	21,053	12	>99%
H. influenzae (invasive, <5 years of age)	20,000	40 <sup>2,3</sup>	>99%
Hepatitis A	117,333	3,473 <sup>4</sup>	98%
Hepatitis B (acute)	66,232	19,764 <sup>4</sup>	70%
Measles	530,217	<b>667</b> <sup>2</sup>	>99%
Meningococcal disease	2,8865	433 <sup>2</sup>	85%
Mumps	162,344	1,223 <sup>2</sup>	>99%
Pertussis	200,752	<b>32,971</b> <sup>2</sup>	84%
Pneumococcal disease (invasive, <5 years of age)	16,069	1,900 <sup>6</sup>	88%
Polio (paralytic)	16,316	0 <sup>2</sup>	100%
Rotavirus (hospitalizations, <3 years of age)	62,5007	12,500 <sup>8</sup>	80%
Rubella	47,745	6²	>99%
Congenital Rubella Syndrome	152	12	99%
Smallpox	29,005	0 <sup>2</sup>	100%
Tetanus	580	25 <sup>2</sup>	96%
Varicella	4,085,120	151,149 <sup>9</sup>	96%

- 1. CDC. JAMA November 14, 2007; 298(18):2155-63.
- 2. CDC. MMWR September 18, 2015; 64(36):1019–33.
- 3. An additional 11 cases of Hib are estimated to have occurred among the 204 reports of Hib (<5 years) with unknown serotype.
- 4. CDC. Viral Hepatitis Surveillance United States, 2013.
- 5. CDC. MMWR October 6, 1995; 43(53):1-98.
- 6. CDC. Active Bacterial Core Surveillance, 2013 data (unpublished).

- 7. CDC. MMWR, February 6, 2009; 58(RR-2):1-25.
- CDC. New Vaccine Surveillance Network, 2013 data (unpublished); U.S. rotavirus disease now has a biennial pattern.
- 9. CDC. Varicella Program, 2014 data (unpublished). Calculation based on the percent decline from 4 states that have continuously reported varicella cases to CDC.

immunization action coalition



Technical content reviewed by the Centers for Disease Control and Prevention

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