

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*	Most Recent Reports or Estimates† of U.S. Cases	Percent Decrease
Diphtheria	21,053	1 [†]	>99%
<i>H. influenzae</i> (invasive, <5 years of age)	20,000	30 [‡]	>99%
Hepatitis A	117,333	2,890 [§]	98%
Hepatitis B (acute)	66,232	18,800 [§]	72%
Measles	530,217	55 [†]	>99%
Mumps	162,344	229 [†]	>99%
Pertussis	200,752	48,277 [†]	76%
Pneumococcal disease (invasive, <5 years of age)	16,069	1,800 ^{‡‡}	89%
Polio (paralytic)	16,316	0 [†]	100%
Rotavirus (hospitalizations, <3 years of age)	62,500 ^{**}	1,250 ^{††}	98%
Rubella	47,745	9 [†]	>99%
Congenital Rubella Syndrome	152	3 [†]	98%
Smallpox	29,005	0 [†]	100%
Tetanus	580	37 [†]	94%
Varicella	4,085,120	216,511 ^{§§}	95%

*CDC. JAMA November 14, 2007; 298(18):2155–63.

[†]CDC. MMWR August 23, 2013; 62(33):669–82.

[‡]An additional 13 cases of Hib are estimated to have occurred among the 201 reports of Hib (<5 years) with unknown serotype.

[§]CDC. Viral Hepatitis Surveillance—United States, 2011.

^{**}CDC. MMWR, February 6, 2009; 58(RR-2):1–25.

^{††}CDC. New Vaccine Surveillance Network, 2012 unpublished data.

^{‡‡} CDC Active Bacterial Core Surveillance provisional report, 2012.

^{§§} CDC. Varicella Program, 2012 unpublished data.