

Comparison of 20th Century Annual Morbidity and Current Morbidity: Vaccine-Preventable Diseases

Disease	20th Century Annual Morbidity [†]	2010 Reported Cases ^{††}	Percent Decrease
Smallpox	29,005	0	100%
Diphtheria	21,053	0	100%
Measles	530,217	61	> 99%
Mumps	162,344	2,528	98%
Pertussis	200,752	21,291	89%
Polio (paralytic)	16,316	0	100%
Rubella	47,745	6	> 99%
Congenital Rubella Syndrome	152	0	100%
Tetanus	580	8	99%
<i>Haemophilus influenzae</i>	20,000	270*	99%

[†]Source: JAMA. 2007;298(18):2155-2163

^{††}Source: CDC. MMWR January 7, 2011;59(52):1704-1716. (provisional MMWR week 52 data)

* 16 type b and 254 unknown serotype (< 5 years of age)

National Center for Immunization & Respiratory Diseases

Historical Comparisons of Vaccine-Preventable Disease Morbidity in the U.S.



Comparison of Pre-Vaccine Era Estimated Annual Morbidity or Mortality with Current Estimate: Vaccine-Preventable Diseases

Disease	Pre-Vaccine Era Annual Estimate	2008 Estimate	Percent Decrease
Hepatitis A	117,333 [†]	11,049	91%
Hepatitis B (acute)	66,232 [†]	11,269	83%
Pneumococcus (invasive)			
all ages	63,067 [†]	44,000 [#]	30%
< 5 years of age	16,069 [†]	4,167 ^{##}	74%
Rotavirus (hospitalizations, < 5 years of age)	62,500 ^{††}	7,500 ^{###}	88%
Varicella	4,085,120 [†]	449,363	89%

[†] Source: JAMA. 2007;298(18):2155-2163

^{††} Source: CDC. MMWR. February 6, 2009 / 58(RR02);1-25

[#] Source: CDC. Active Bacterial Core surveillance Report; *S. pneumoniae* 2008. <http://www.cdc.gov/abcs/survreports/spneu08.pdf>

^{##} Source: 2008 Active Bacterial Core surveillance

^{###} Source: New Vaccine Surveillance Network

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