

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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