## 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 | $1{ }^{2}$ | >99\% |
| H. influenzae (invasive, <5 years of age) | 20,000 | $40^{2,3}$ | >99\% |
| Hepatitis A | 117,333 | $3,473^{4}$ | 98\% |
| Hepatitis B (acute) | 66,232 | 19,764 ${ }^{4}$ | 70\% |
| Measles | 530,217 | $667^{2}$ | >99\% |
| Meningococcal disease | 2,886 ${ }^{5}$ | $433^{2}$ | 85\% |
| Mumps | 162,344 | 1,223 ${ }^{2}$ | >99\% |
| Pertussis | 200,752 | 32,971 ${ }^{2}$ | 84\% |
| Pneumococcal disease (invasive, $<5$ years of age) | 16,069 | 1,900 ${ }^{6}$ | 88\% |
| Polio (paralytic) | 16,316 | $0^{2}$ | 100\% |
| Rotavirus (hospitalizations, <3 years of age) | 62,500 ${ }^{7}$ | 12,500 ${ }^{8}$ | 80\% |
| Rubella | 47,745 | $6^{2}$ | >99\% |
| Congenital Rubella Syndrome | 152 | $7^{2}$ | 99\% |
| Smallpox | 29,005 | $0^{2}$ | 100\% |
| Tetanus | 580 | $25^{2}$ | 96\% |
| Varicella | 4,085,120 | 151,149 ${ }^{9}$ | 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 Active Bacterial Core Surveillance, 2013 data (unpublished).
