TB: The Next Vaccine Success Story

Vaccines: An Extraordinary Track Record

Measles Vaccine

Measles Stats
2000 – 853,480 cases
2012 – 226,722 cases
73.5% decline worldwide between 2000–2012, after global increase in immunization

Smallpox Vaccine

Smallpox Stats
1950s – 50,000,000 cases every year
1980 – 0 cases
100% reduction (eradicated)

Polio Vaccine

Polio Stats
1988 – 350,000 estimated cases
2013 – 406 reported cases
99% decrease since the launch of the Global Polio Eradication Initiative in 1988

TB: The Potential Impact of a New Vaccine

Currently: 9 million new cases of TB per year, 1.5 million deaths
A new TB vaccine with accelerated introduction in only 8 high TB burden countries* can avert >100 million cases of TB (60% vaccine efficacy and coverage)

Potential Vaccine Impact

Costs for TB control and treatment versus new vaccine development

$80 billion – Global TB control and treatments costs (over 10 years)
$600–$800 million – New vaccine development costs (over 10 years)

Sources
2. WHO Global Health Observatory Data Repository, http://apps.who.int/gho/data/view.main.1520_62
3. CDC/WHO http://www2.cdc.gov/nip/isd/spoxclincian/contents/references/factsheet.pdf

*A countries: Pakistan, India, Nigeria, China, Indonesia, Brazil, Russia, South Africa