Global Immunization Coverage

12 October 2006

Summary: Global immunization coverage in 2005
Based on the latest World Health Organization (WHO)/UNICEF global estimates (for 2005), vaccine coverage for three doses of both diphtheria-tetanus-pertussis (DTP3) and polio vaccine remains at virtually the same level as previous years: 78%. Global measles vaccine coverage stands at 77%.

An estimated 28 million infants worldwide have not been vaccinated with DTP3 in 2005. Seventy-five percent of these children live in ten countries (India, Nigeria, China, Indonesia, Pakistan, Ethiopia, Democratic Republic of Congo, Sudan, Bangladesh and Philippines).

Ninety percent or more immunization coverage with DTP3 was achieved in more than 100 countries for the first time: 112 countries (2005), compared to 100 (2004). Two regions, the Americas and Europe, maintained over 90% immunization coverage, with the Western Pacific reaching nearly that level (87%).

For the first time, the Eastern Mediterranean Region achieved over 80% immunization coverage (from 78% in 2004 to 82% in 2005). Countries reaching over 80% DTP3 coverage numbered 151 in 2005, up from 143 countries in 2004.

Hepatitis B vaccine was introduced throughout 158 WHO Member States by the end of 2005, up from 153 in 2004. Global coverage is estimated at 55% and is as high as 86% in the Americas. This contrasts with 27% in the South-East Asian Region and 39% in the African Region.

*Haemophilus influenzae* type B (Hib) vaccine was introduced in 101 countries by the end of 2005, up from 92 in 2004. Global Hib coverage is estimated at 21%, reaching 89% in the Americas, but is only 20% in Africa. Hib vaccine has not yet been introduced in any of the South-East Asian Region countries.

Yellow fever vaccine has been introduced in 33 countries/territories out of the 44 at risk.

**Diphtheria-tetanus-pertussis (DTP)**
Global coverage of infants in 2005 with three doses of diphtheria-tetanus-pertussis (DTP3) vaccine: 78%.a

Global coverage of infants in 1980 with DTP3 vaccine: 20%.a

Estimated number of children vaccinated with DTP3 in 2005: 98 million. a

Estimated number of children who did not receive DTP3 in 2005: at least 28 million. a

Number of countries that achieved more than 80% DTP3 vaccine coverage in all districts: 56 (29%).b
Number of countries that achieved 90% or more DTP3 vaccine coverage in 2005: 112 (58%).

**Polio**
Global coverage of infants with three doses of polio vaccine in 2005: 78%. 

Global coverage of infants with three doses of polio vaccine in 1980: 22%. 

Reported number of polio cases in 2005: 2033 confirmed polio cases (including 1979 wild virus confirmed cases). 

Estimated number of polio cases in 1988: 350,000. 

Number of polio-endemic countries in 2005: 6. 

Number of polio-endemic countries in 1988: 125. 

**Measles**
Global coverage of children by their second birthday with one dose of measles-containing vaccine in 2005: 77%. 

Global coverage of children by their second birthday with one dose of measles-containing vaccine in 1980: 17%. 

Number of countries in which a second opportunity for measles immunization was provided in 2005: 171 (89% of 192 countries). 

**Maternal and neonatal tetanus (MNT)**
Number of countries that had not yet eliminated MNT in 1994: 82. 

Number of countries that had not yet eliminated MNT in 2005: 49. 

Global coverage of pregnant women with at least two doses of tetanus toxoid vaccine (TT2+) in 2005: 57%. 

Estimated number of pregnant women who remained in need of immunization against maternal tetanus in 2004: 40 million. 

Number of women living in high-risk areas protected with at least two doses of tetanus toxoid vaccine in Supplementary Immunization Activities (1999-2005): 64 million. 

**Hepatitis B**
Number of countries that integrated hepatitis B vaccine into their routine infant immunization schedules by 2005: 158 (154 in the entire country and four in part of the country). 

Global coverage of infants with three doses of hepatitis B vaccine in 2005: 55%. 

Global coverage of infants in 1992 with three doses of hepatitis B vaccine: 3%. 

**Haemophilus influenzae type b (Hib)**
Number of countries that integrated Hib vaccine into their national routine immunization schedules by 2005: 101 (98 in the entire country and three in part of the country).
Yellow Fever
In 2005, 33 countries (out of the 44 at risk for yellow fever) that integrated yellow fever vaccine into their national routine immunization schedules: 29, plus four countries in high risk areas.\textsuperscript{b}

Global yellow fever vaccine coverage in 2005: 43\% (includes only the 44 countries at risk).\textsuperscript{b}

Other
Number of countries that integrated rubella vaccine into their national immunization schedule by 2005:117\textsuperscript{b}

Number countries that integrated mumps vaccine into their national immunization schedule by 2005:110.\textsuperscript{b}

As of September 2006, WHO has 193 Member States. This data is through December 2005 and applies for 192 Member States.

Sources:
\textsuperscript{a} WHO/UNICEF immunization coverage estimates, data as of August 2006
\textsuperscript{b} WHO Department of Immunization, Vaccines and Biologicals data; data as of September 2006
\textsuperscript{c} WHO/UNICEF MNT collected data; data as of September 2006
\textsuperscript{d} Polio Eradication programme. Data as of 10 October 2006

More information, including more detailed immunization data and graphs, can be found at http://www.who.int/immunization_monitoring/data/en/