

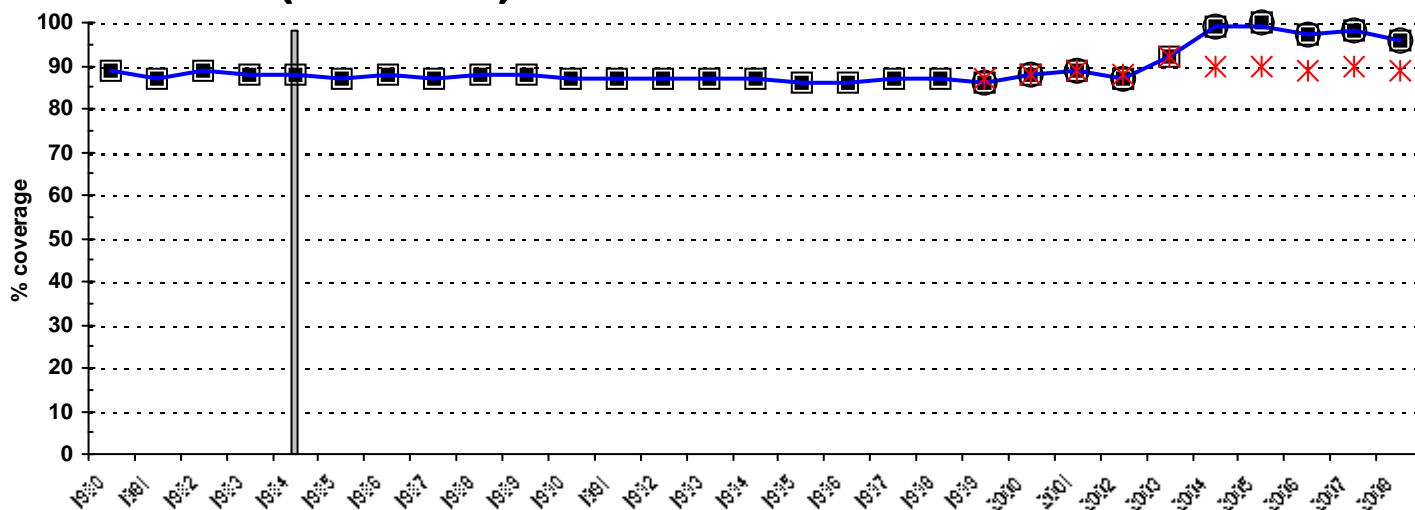
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Mauritius

July, 2009

Mauritius

BCG (1980-2008)



Description of trend

Officially reported data shows coverage rates that are already very high in the early 1980s and consistently remain on a level of around 87% throughout the 1980s and 1990s. National estimates following 2004 are adjusted to include immunizations occurring in the private sector.

Data presented in chart

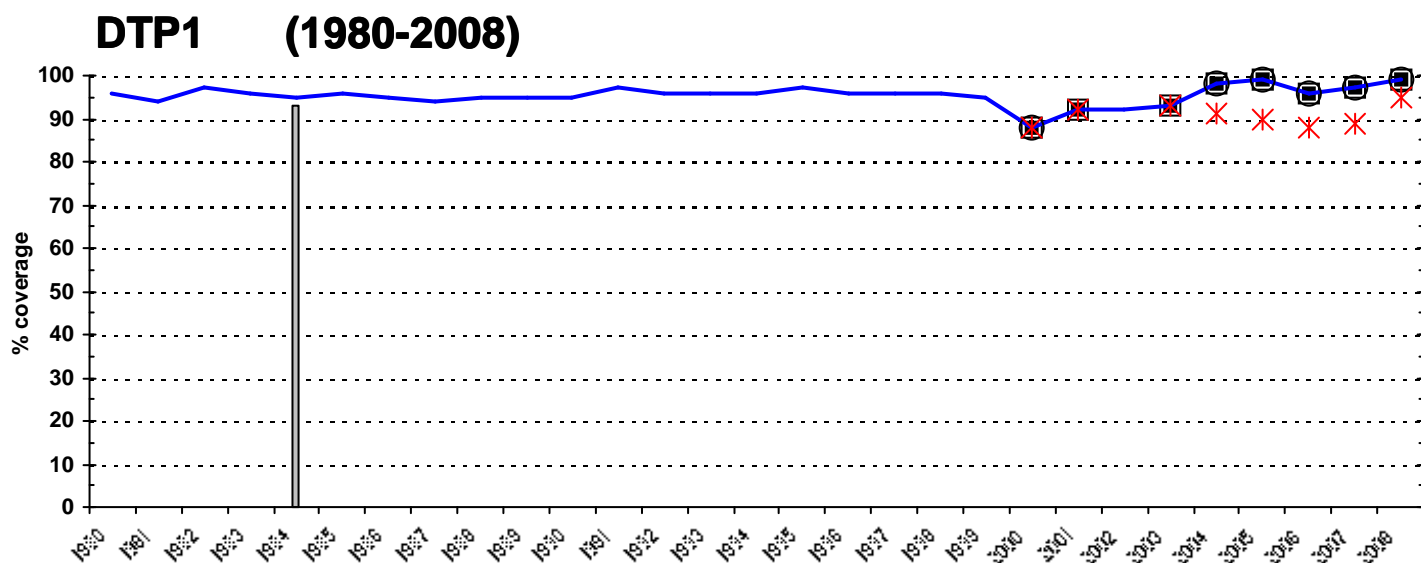
Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%) □	UNICEF (%) ■			Survey 12-23 months 	Survey <12 months +
1980	89	89	89				
1981	87	87	87				
1982	89	89	89				
1983	88	88	88				
1984	88	88	88			98	
1985	87	87	87				
1986	88	88	88				
1987	87	87	87				
1988	88	88	88				
1989	88	88	88				
1990	87	87	87				
1991	87	87	87				
1992	87	87	87				
1993	87	87	87				
1994	87	87	87				
1995	86	86	86				
1996	86	86	86				
1997	87	87	87				
1998	87	87	87				
1999	86	86	86	86	87		
2000	88	88	88	88	88		
2001	89	89	89	89	89		
2002	87	87	87	87	88		
2003	92	92	92		92		
2004	99	99	99	99	90		
2005	99	100	100	100	90		
2006	97	97	97	97	89		
2007	98	98	98	98	90		
2008	96	96	96	96	89		

*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

Mauritius



Description of trend

WHO and UNICEF began requesting data on DTP1 coverage in 2001 and have received national reports reflecting DTP1 coverage from 2001 onward. The DTP1 estimates from 2000 onward are based on these reports adjusted to include immunizations occurring in the private sector years prior to 2000 the estimates are derived from the WHO/UNICEF estimates of DTP3 and the relationship between the levels of DTP3 coverage and the drop-out between DTP1 and DTP3. This relationship results from an analysis of 282 surveys conducted in 101 countries which were published between 1980 and 2004.

Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	96						
1981	94						
1982	97						
1983	96						
1984	95					93	
1985	96						
1986	95						
1987	94						
1988	95						
1989	95						
1990	95						
1991	97						
1992	96						
1993	96						
1994	96						
1995	97						
1996	96						
1997	96						
1998	96						
1999	95						
2000	88	88	88	88	88		
2001	92	92	92		92		
2002	92						
2003	93	93	93		93		
2004	98	98	98	98	91		
2005	99	99	99	99	90		
2006	96	96	96	96	88		
2007	97	97	97	97	89		
2008	99	99	99	99	95		

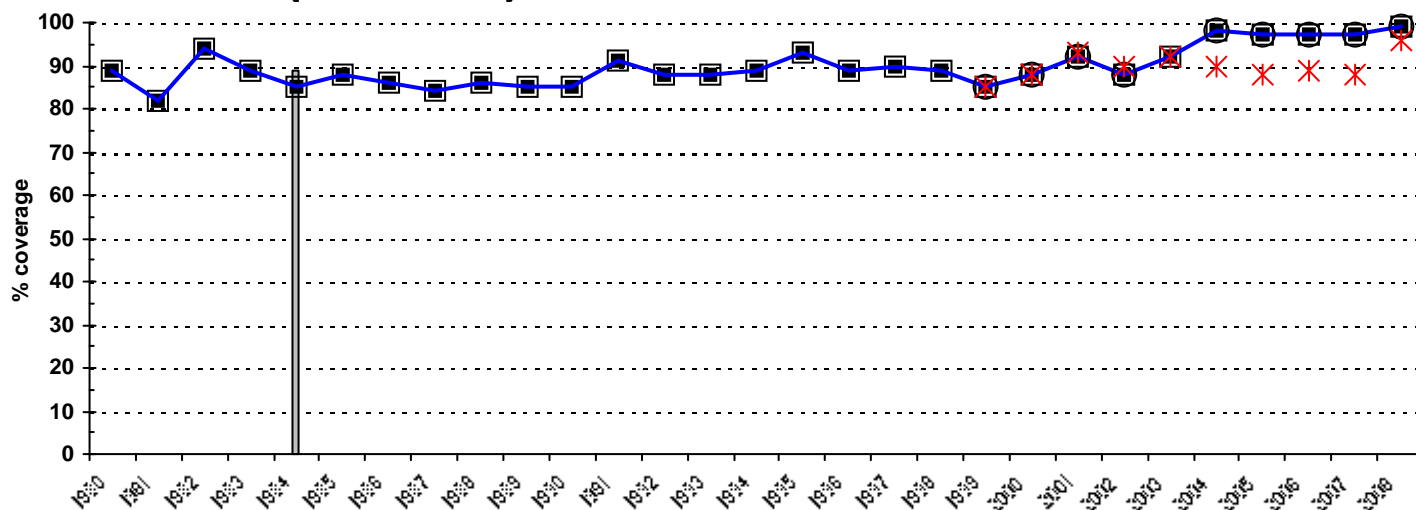
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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Mauritius

DTP3 (1980-2008)



Description of trend

Estimates are based on officially reported data. National estimate for 2004 onward are adjusted to include immunizations occurring in the private sector.

Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	89	89	89				
1981	82	82	82				
1982	94	94	94				
1983	89	89	89				
1984	85	85	85			89	
1985	88	88	88				
1986	86	86	86				
1987	84	84	84				
1988	86	86	86				
1989	85	85	85				
1990	85	85	85				
1991	91	91	91				
1992	88	88	88				
1993	88	88	88				
1994	89	89	89				
1995	93	93	93				
1996	89	89	89				
1997	90	90	90				
1998	89	89	89				
1999	85	85	85	85	85		
2000	88	88	88	88	88		
2001	92	92	92	92	93		
2002	88	88	88	88	90		
2003	92	92	92		92		
2004	98	98	98	98	90		
2005	97	97	97	97	88		
2006	97	97	97	97	89		
2007	97	97	97	97	88		
2008	99	99	99	99	96		

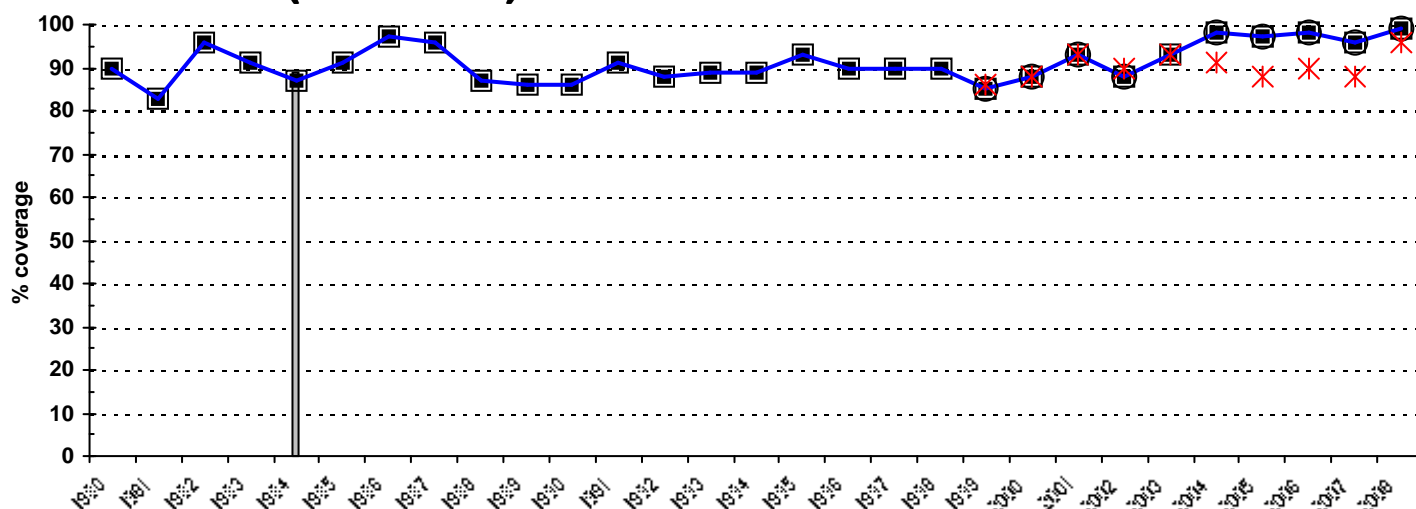
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

Mauritius

Pol3 (1980-2008)



Description of trend

Estimates are based on officially reported data. National estimate for 2004 onward are adjusted to include immunizations occurring in the priv sector.

Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	90	90	90				
1981	83	83	83				
1982	96	96	96				
1983	91	91	91				
1984	87	87	87			89	
1985	91	91	91				
1986	97	97	97				
1987	96	96	96				
1988	87	87	87				
1989	86	86	86				
1990	86	86	86				
1991	91	91	91				
1992	88	88	88				
1993	89	89	89				
1994	89	89	89				
1995	93	93	93				
1996	90	90	90				
1997	90	90	90				
1998	90	90	90				
1999	85	85	85	85	86		
2000	88	88	88	88	88		
2001	93	93	93	93	93		
2002	88	88	88	88	90		
2003	93	93	93		93		
2004	98	98	98	98	91		
2005	97	97	97	97	88		
2006	98	98	98	98	90		
2007	96	96	96	96	88		
2008	99	99	99	99	96		

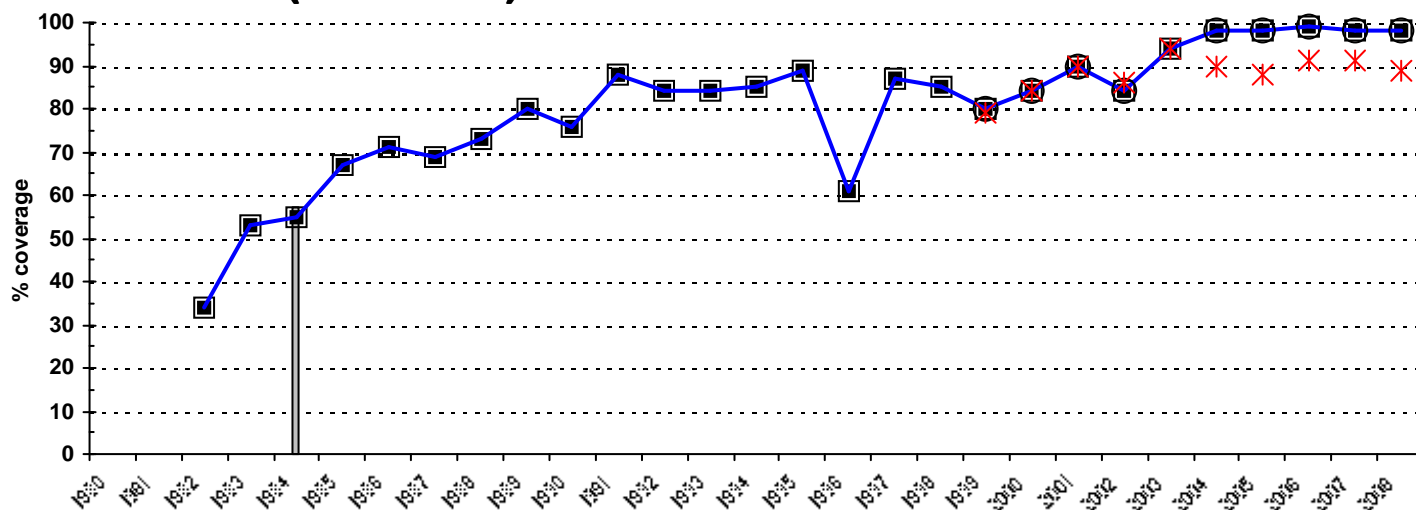
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

Mauritius

MCV (1980-2008)



Description of trend

Estimates are based on officially reported data. National estimate for 2004 onward are adjusted to include immunizations occurring in the private sector.

Data presented in chart

Year	WHO/ UNICEF estimate (%) —	Reported to:*		Government official estimate (%) ○	Reported doses administered (%)** ✖	Survey data (%)***	
		WHO (%) □	UNICEF (%) ■			Survey 12-23 months 	Survey <12 months +
1980							
1981							
1982	34	34	34				
1983	53	53	53				
1984	55	55	55			57	
1985	67	67	67				
1986	71	71	71				
1987	69	69	69				
1988	73	73	73				
1989	80	80	80				
1990	76	76	76				
1991	88	88	88				
1992	84	84	84				
1993	84	84	84				
1994	85	85	85				
1995	89	89	89				
1996	61	61	61				
1997	87	87	87				
1998	85	85	85				
1999	80	80	80	80	79		
2000	84	84	84	84	84		
2001	90	90	90	90	90		
2002	84	84	84	84	86		
2003	94	94	94		94		
2004	98	98	98	98	90		
2005	98	98	98	98	88		
2006	99	99	99	99	91		
2007	98	98	98	98	91		
2008	98	98	98	98	89		

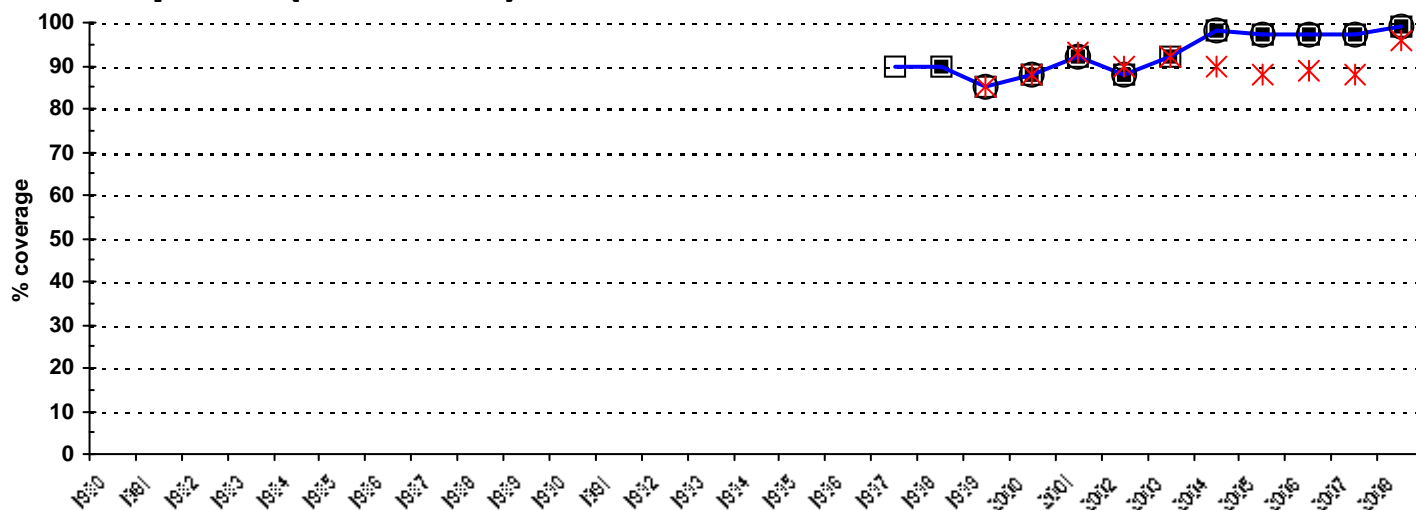
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

Mauritius

HepB3 (1980-2008)



Description of trend

The Hepatitis vaccine was introduced in 1998. Estimates are based on officially reported data. National estimate for 2004 onward are adjust include immunizations occurring in the private sector.

Data presented in chart

Year	WHO/ UNICEF estimate (%) —	Reported to:*		Government official estimate (%) ○	Reported doses administered (%)** ✖	Survey data (%)***	
		WHO (%) □	UNICEF (%) ■			Survey 12-23 months 	Survey <12 months +
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997	90	90					
1998	90	90	90				
1999	85	85		85	85		
2000	88	88	88	88	88		
2001	92	92	92	92	93		
2002	88	88	88	88	90		
2003	92	92	92	92	92		
2004	98	98	98	98	90		
2005	97	97	97	97	88		
2006	97	97	97	97	89		
2007	97	97	97	97	88		
2008	99	99	99	99	96		

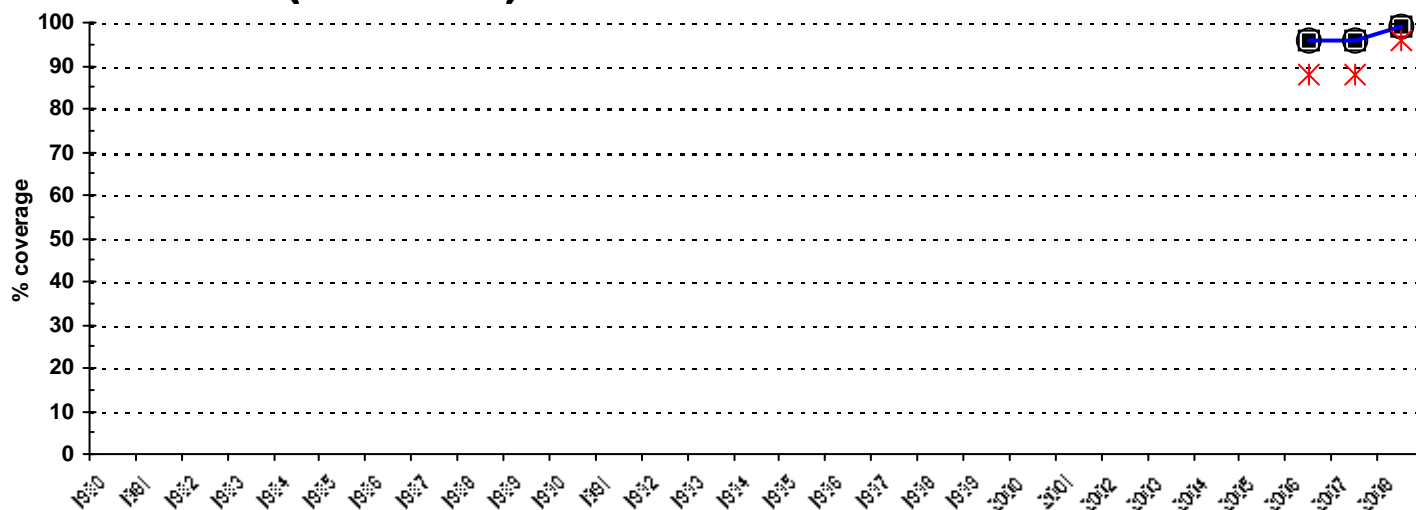
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

Mauritius

Hib3 (1980-2008)



Description of trend

DTP-Hib combination vaccine introduced in March 2006.

Data presented in chart

Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006	96	96	96	96	88		
2007	96	96	96	96	88		
2008	99	99	99	99	96		

*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**Coverage based on registration of doses administered by health care providers.

***In case more than one survey was implemented in a certain year the highest value is presented. Details of all data are presented in the second section of this report.

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Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
1984 CSDR in Mauritius 1985								
BCG	Card or History	98		12-23 m	210	94	1985	includes Scar
DTP1	Card or History	93		12-23 m	210	94	1985	
DTP3	Card or History	89		12-23 m	210	94	1985	
Pol3	Card or History	89		12-23 m	210	94	1985	
MCV	Card or History	57		12-23 m	210	94	1985	

Mauritius

WHO/UNICEF Estimates of Protection at Birth (PAB) against tetanus

In countries where tetanus is recommended for girls and women coverage is usually reported as "TT2+", i.e. the proportion of (pregnant) women who have received their second or superior TT dose in a given year. TT2 + coverage, however, can under-represent the actual proportion of births that are protected against tetanus as it does not include women who have previously received protective doses, women who received one dose without documentation of previous doses, and women who received doses in TT (or Td) supplemental immunization activities (SIA). In addition, girls who have received DTP in their childhood and are entering childbearing age, may be protected with TT booster doses.

WHO and UNICEF have developed a model that takes into account the above scenarios, and calculates the proportion of births in a given year that can be considered as having been protected against tetanus - "Protection at Birth".

In this model, annual cohorts of women are followed from infancy through their life. A proportion receive DTP in infancy (estimated based on the WHO-UNICEF estimates of DTP3 coverage). In addition some of these women also receive TT through routine services when they are pregnant and may also receive TT during SIAs. The model also adjusts reported data, taking into account coverage patterns in other years, and/or results available through surveys. The duration of protection is then calculated, based on WHO estimates of the duration of protection by doses ever received. The proportion of births that are protected against tetanus as a result of maternal immunization reflects the tetanus immunization received by the mother throughout her life rather than simply the TT immunizations received during the current pregnancy.

¹ This model is described in: Griffiths U., Wolfson L., Quddus A., Younus M., Hafiz R.. Incremental cost-effectiveness of supplementary immunization activities to prevent neo-natal tetanus in Pakistan. Bulletin of the World Health Organization 2004; 82:643-651.

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Year	PAB coverage estimate (%)
1980	1
1981	1
1982	1
1983	1
1984	9
1985	18
1986	53
1987	62
1988	71
1989	62
1990	61
1991	69
1992	77
1993	77
1994	78
1995	78
1996	79
1997	78
1998	78
1999	78
2000	79
2001	79
2002	79
2003	79
2004	89
2005	86
2006	85
2007	86
2008	87