

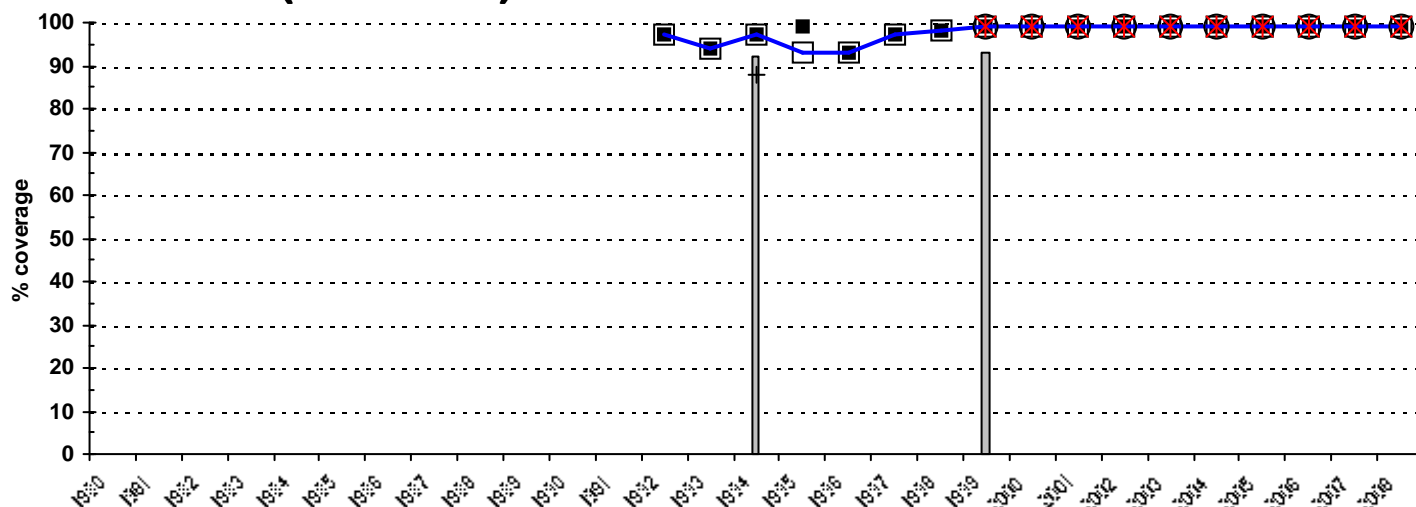
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Turkmenistan

July, 2009

Turkmenistan

BCG (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data, supported by survey.

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	97	97	97				
1993	94	94	94				
1994	97	97	97			92	88
1995	93	93	99				
1996	93	93	93				
1997	97	97	97				
1998	98	98	98				
1999	99	99	99	99	99	93	
2000	99	99	99	99	99		
2001	99	99	99	99	99		
2002	99	99	99	99	99		
2003	99	99	99	99	99		
2004	99	99	99	99	99		
2005	99	99	99	99	99		
2006	99	99	99	99	99		
2007	99	99	99	99	99		
2008	99	99	99	99	99		

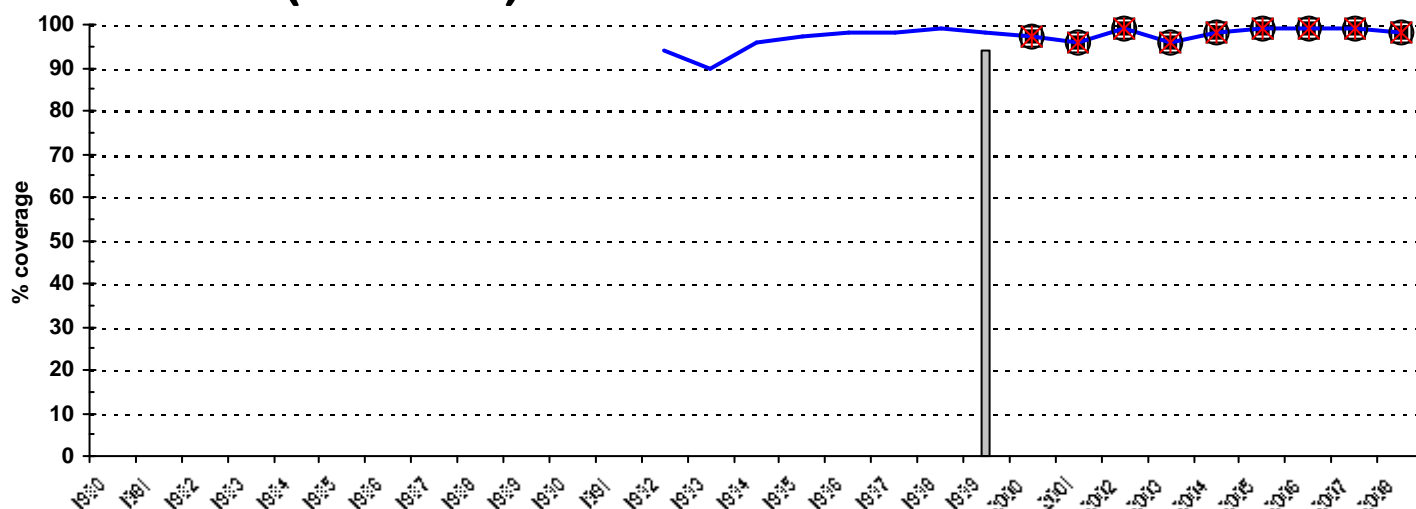
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Turkmenistan

DTP1 (1980-2008)



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. For 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. The decline in 2003 is attributed to a 6-month long vaccine shortage.

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	94						
1993	90						
1994	96						
1995	97						
1996	98						
1997	98						
1998	99						
1999	98					94	
2000	97	97	97	97	97		
2001	96	96	96	96	96		
2002	99	99	99	99	99		
2003	96	96	96	96	96		
2004	98	98	98	98	98		
2005	99	99	99	99	99		
2006	99	99	99	99	99		
2007	99	99	99	99	99		
2008	98	98	98	98	98		

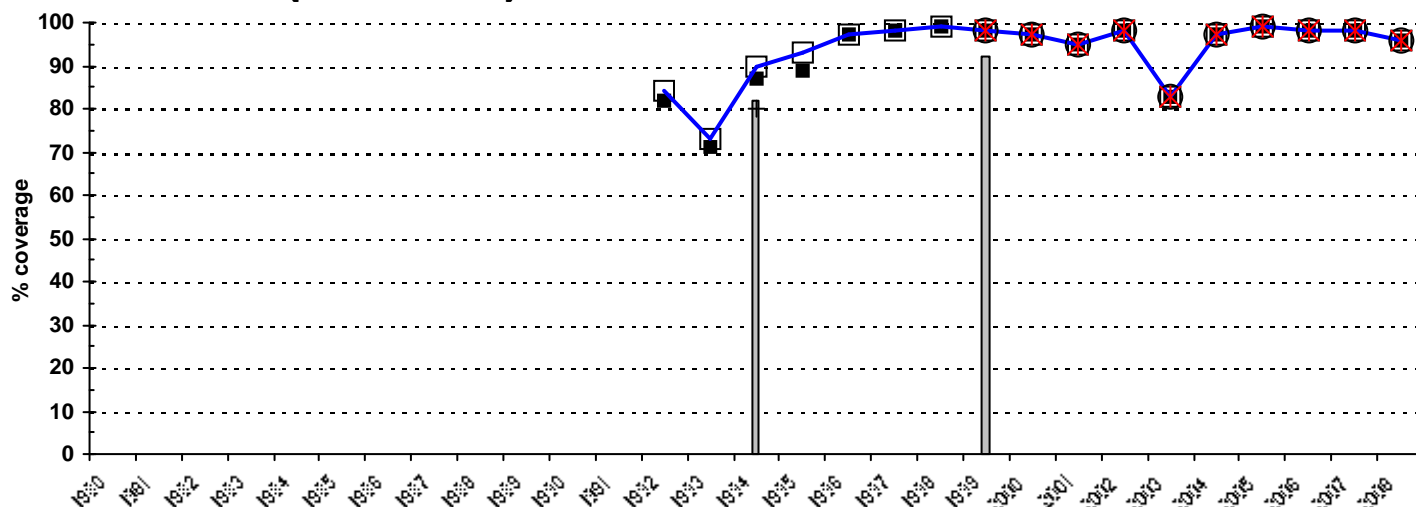
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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Turkmenistan

DTP3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data, supported by survey. The decline in 2003 is attributed to a 6-month long vaccine shortage.

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	84	84	82				
1993	73	73	71				
1994	90	90	87			82	80
1995	93	93	89				
1996	97	97	97				
1997	98	98	98				
1998	99	99	99				
1999	98	98	98	98	98	92	
2000	97	97	97	97	97		
2001	95	95	95	95	95		
2002	98	98	98	98	98		
2003	83	83	83	83	83		
2004	97	97	97	97	97		
2005	99	99	99	99	99		
2006	98	98	98	98	98		
2007	98	98	98	98	98		
2008	96	96	96	96	96		

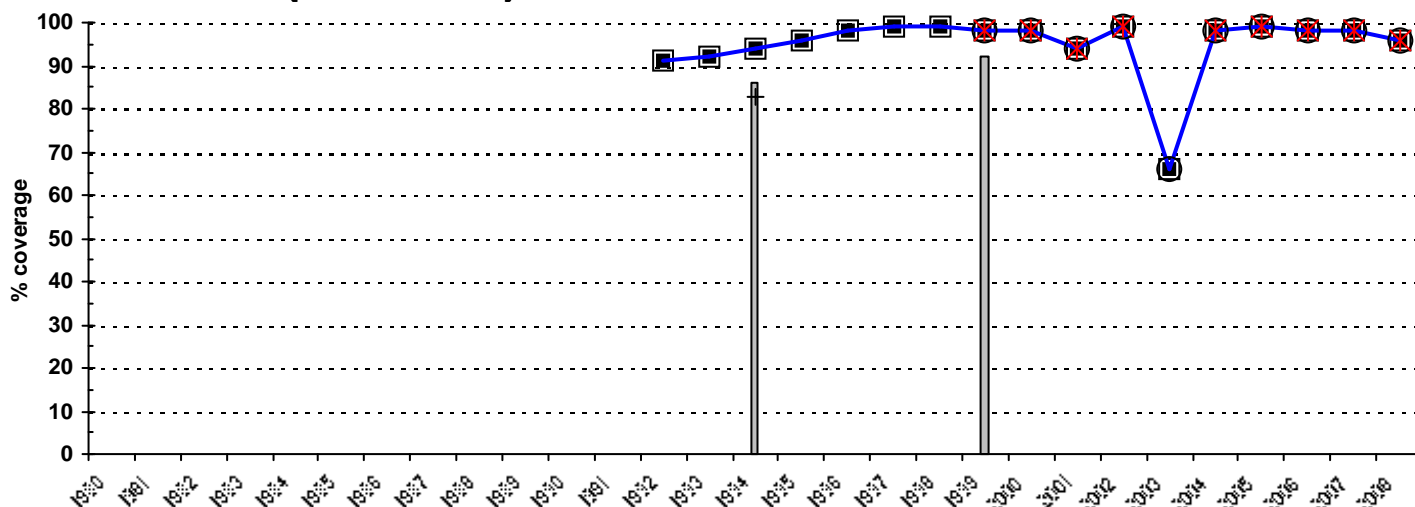
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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

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Turkmenistan

Pol3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data, supported by survey. The decline in 2003 is attributed to a 6-month long shortage.

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	91	91	91				
1993	92	92	92				
1994	94	94	94			86	83
1995	96	96	96				
1996	98	98	98				
1997	99	99	99				
1998	99	99	99				
1999	98	98	98	98	98	92	
2000	98	98	98	98	98		
2001	94	94	94	94	94		
2002	99	99	99	99	99		
2003	66	66	66	66			
2004	98	98	98	98	98		
2005	99	99	99	99	99		
2006	98	98	98	98	98		
2007	98	98	98	98	98		
2008	96	96	96	96	96		

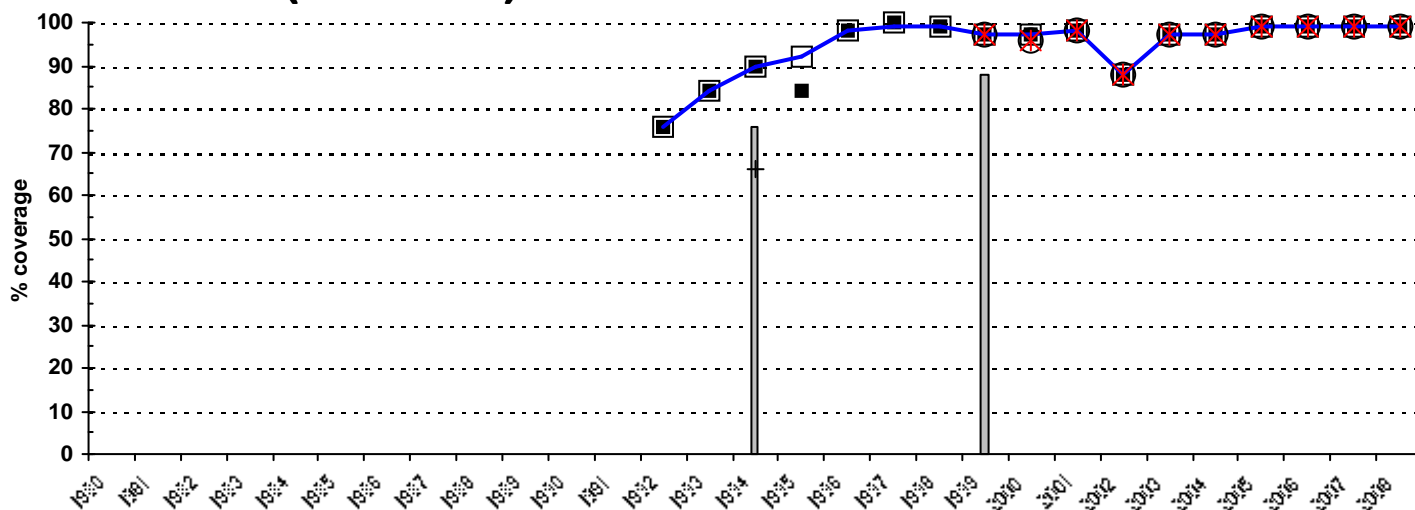
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Turkmenistan

MCV (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data, supported by survey.

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	76	76	76				
1993	84	84	84				
1994	90	90	90			76	66
1995	92	92	84				
1996	98	98	98				
1997	99	100	100				
1998	99	99	99				
1999	97	97	97	97	97	88	
2000	97	97	97	96	96		
2001	98	98	98	98	98		
2002	88	88	88	88	88		
2003	97	97	97	97	97		
2004	97	97	97	97	97		
2005	99	99	99	99	99		
2006	99	99	99	99	99		
2007	99	99	99	99	99		
2008	99	99	99	99	99		

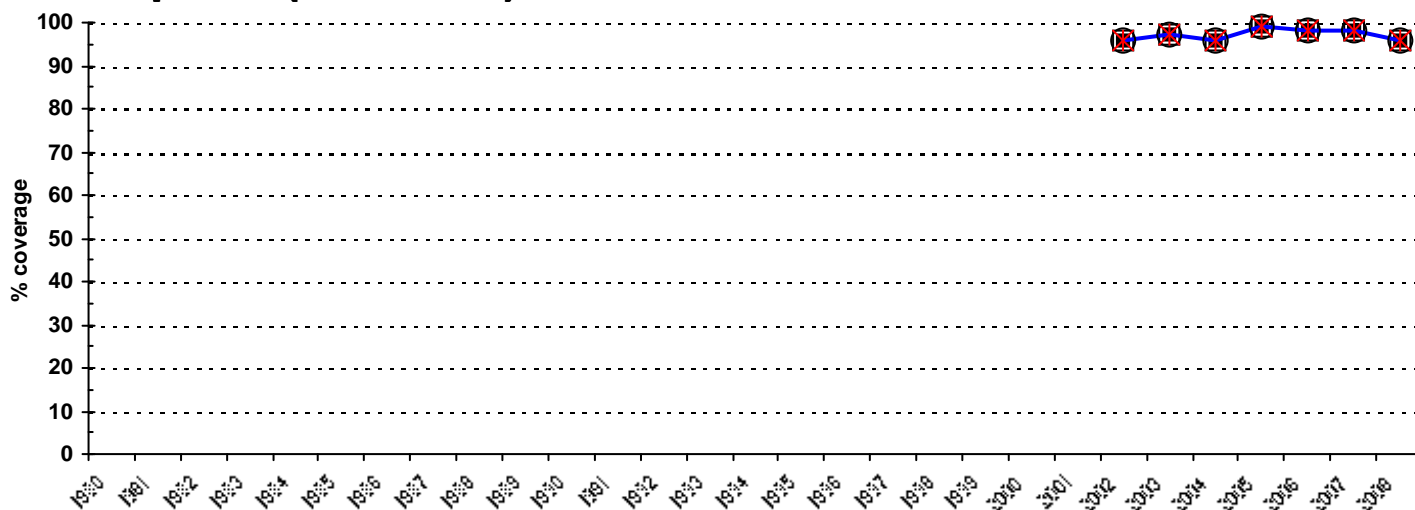
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Turkmenistan

HepB3 (1980-2008)



Description of trend

Hepatitis B vaccine recently introduced. Estimated immunization coverage levels are based on reported data.

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	96	96	96	96	96		
2003	97	97	97	97	97		
2004	96	96	96	96	96		
2005	99	99	99	99	99		
2006	98	98	98	98	98		
2007	98	98	98	98	98		
2008	96	96	96	96	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.

Turkmenistan

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
1999 Turkmenistan Demographic and Health Survey 2000, 2001								
BCG	Card	93.4		12-23 m	646	94	2000	Recalculated, Card maintained in health facility
DTP1	Card	93.5		12-23 m	646	94	2000	Recalculated, Card maintained in health facility
DTP3	Card	92.3		12-23 m	646	94	2000	Recalculated, Card maintained in health facility
Pol3	Card	91.5		12-23 m	646	94	2000	Recalculated, Card maintained in health facility
MCV	Card	87.6		12-23 m	646	94	2000	Recalculated, Card maintained in health facility

1994 Turkmenistan 1995 Multiple Indicator Cluster Survey

BCG	Card or History	92		12-23 m	1339		1995	
BCG	C or H <12 month	88	Valid?	12-23 m	1339		1995	
DTP1	Card or History			12-23 m	1339		1995	
DTP1	C or H <12 month		Valid?	12-23 m	1339		1995	
DTP3	Card or History	82		12-23 m	1339		1995	
DTP3	C or H <12 month	80	Valid?	12-23 m	1339		1995	
Pol3	Card or History	86		12-23 m	1339		1995	
Pol3	C or H <12 month	83	Valid?	12-23 m	1339		1995	
MCV	Card or History	76		12-23 m	1339		1995	
MCV	C or H <12 month	66	Valid?	12-23 m	1339		1995	