

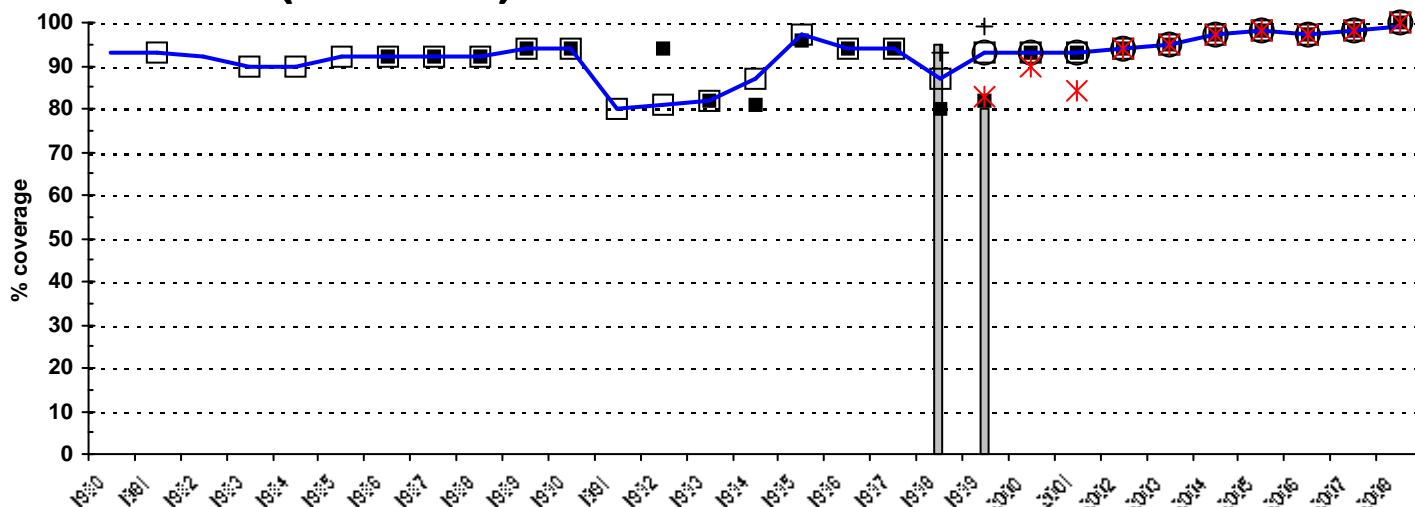
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Albania

July, 2009

Albania

BCG (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data. The 1998 survey (National Survey of EPI coverage 1999) confirms official reported data. The MICS 2000 is not considered because health cards were maintained at health centre.

Data presented in chart

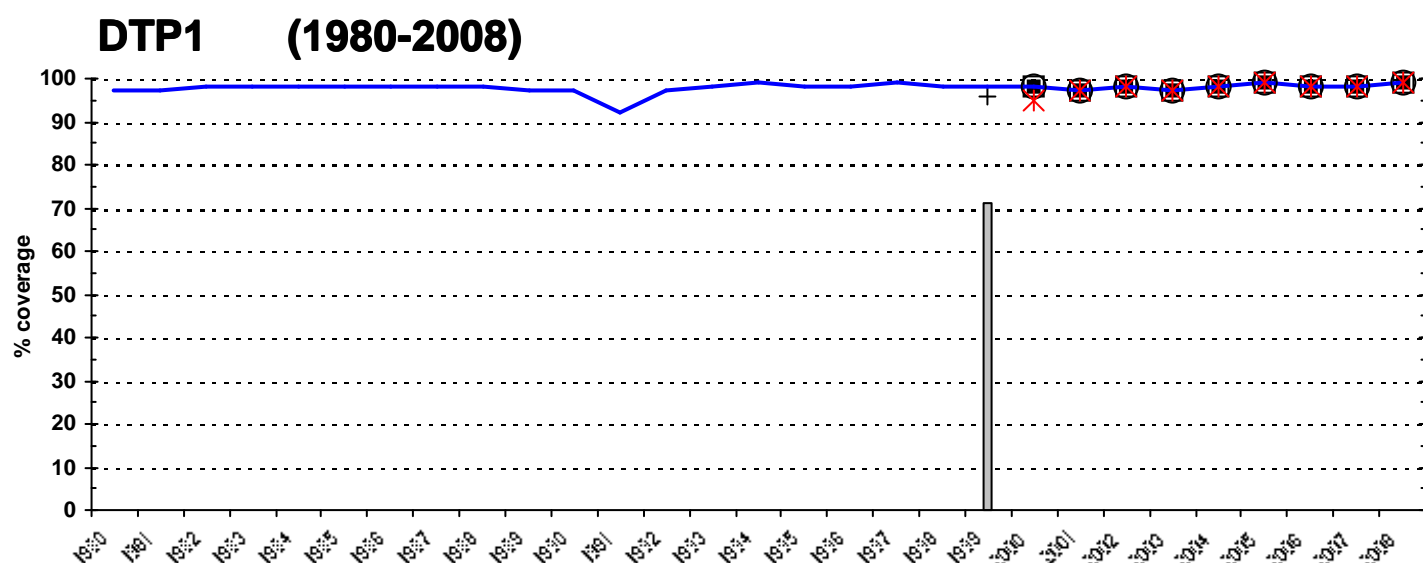
Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%)	UNICEF (%)			Survey 12-23 months	Survey <12 months
1980	93						
1981	93	93					
1982	92						
1983	90	90					
1984	90	90					
1985	92	92					
1986	92		92				
1987	92	92	92				
1988	92	92	92				
1989	94	94	94				
1990	94	94	94				
1991	80	80					
1992	81	81	94				
1993	82	82	82				
1994	87	87	81				
1995	97	97	96				
1996	94	94	94				
1997	94	94	94				
1998	87	87	80			95	93
1999	93	93	82	93	83	80	99
2000	93	93	93	93	90		
2001	93	93	93	93	84		
2002	94	94	94	94	94		
2003	95	95	95	95	95		
2004	97	97	97	97	97		
2005	98	98	98	98	98		
2006	97	97	97	97	97		
2007	98	98	98	98	98		
2008	99	100	100	100	100		

*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.

Albania



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 MICS 2000 is not considered because health cards were maintained at health centre.

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	97						
1981	97						
1982	98						
1983	98						
1984	98						
1985	98						
1986	98						
1987	98						
1988	98						
1989	97						
1990	97						
1991	92						
1992	97						
1993	98						
1994	99						
1995	98						
1996	98						
1997	99						
1998	98						
1999	98					71	96
2000	98	98	98	98	95		
2001	97	97	97	97	97		
2002	98	98	98	98	98		
2003	97	97	97	97	97		
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	99	99	99	99	99		

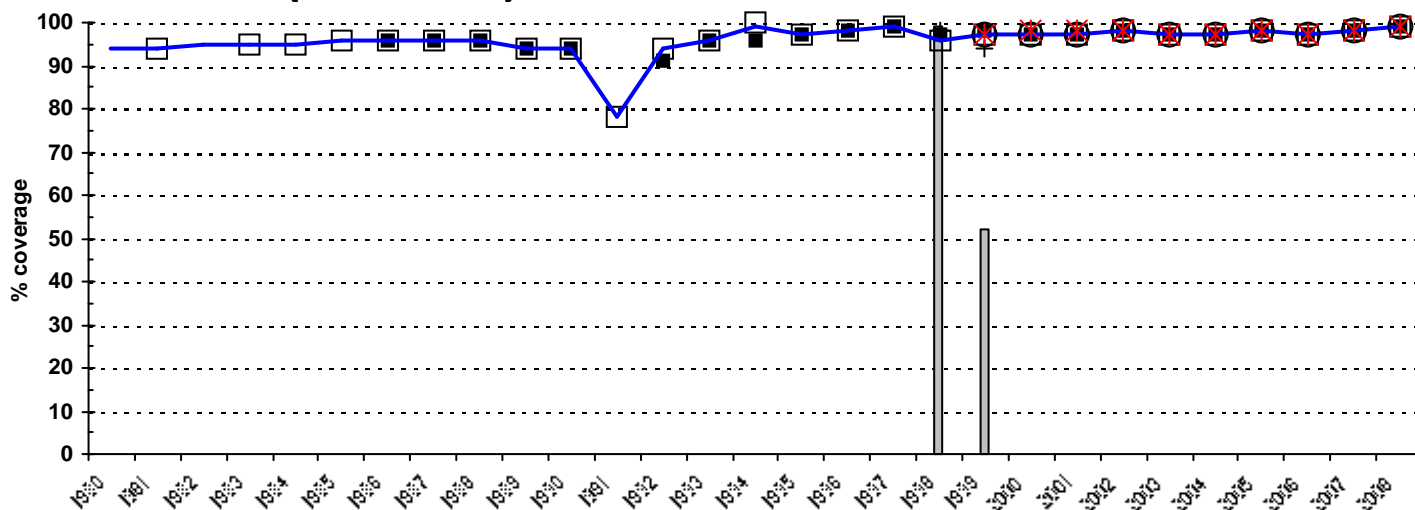
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Albania

DTP3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data. The 1998 survey confirms officially reported data. The MICS 2000 is not considered because health cards were maintained at health centre.

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	94						
1981	94	94					
1982	95						
1983	95	95					
1984	95	95					
1985	96	96					
1986	96	96	96				
1987	96	96	96				
1988	96	96	96				
1989	94	94	94				
1990	94	94	94				
1991	78	78					
1992	94	94	91				
1993	96	96	96				
1994	99	100	96				
1995	97	97	97				
1996	98	98	98				
1997	99	99	99				
1998	96	96	97				
1999	97	97	98	97	97	52	94
2000	97	97	97	97	98		
2001	97	97	97	97	98		
2002	98	98	98	98	98		
2003	97	97	97	97	97		
2004	97	97	97	97	97		
2005	98	98	98	98	98		
2006	97	97	97	97	97		
2007	98	98	98	98	98		
2008	99	99	99	99	99		

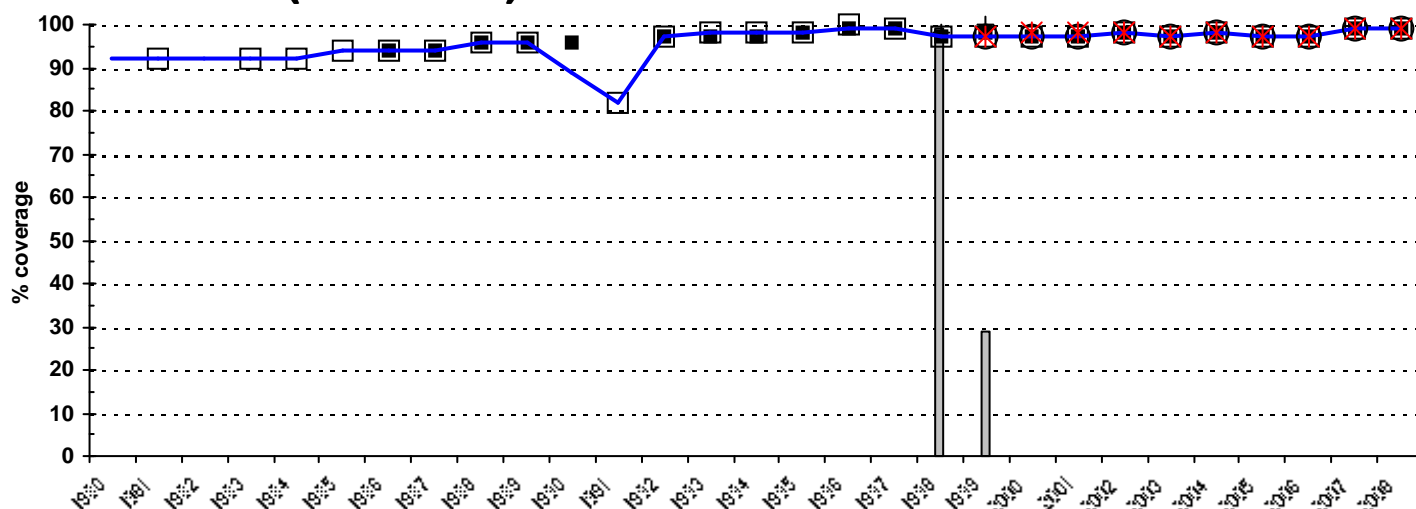
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Albania

Pol3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data. The 1998 survey confirms officially reported data. The MICS 2000 is not considered because health cards were maintained at health centre.

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	92						
1981	92	92					
1982	92						
1983	92	92					
1984	92						
1985	94	94					
1986	94		94				
1987	94	94	94				
1988	96	96	96				
1989	96	96	96				
1990	89		96				
1991	82	82					
1992	97	97	97				
1993	98	98	97				
1994	98	98	97				
1995	98	98	98				
1996	99	100	99				
1997	99	99	99				
1998	97	97	97				
1999	97	97	98	97	97	29	100
2000	97	97	97	97	98		
2001	97	97	97	97	98		
2002	98	98	98	98	98		
2003	97	97	97	97	97		
2004	98	98	98	98	98		
2005	97	97	97	97	97		
2006	97	97	97	97	97		
2007	99	99	99	99	99		
2008	99	99	99	99	99		

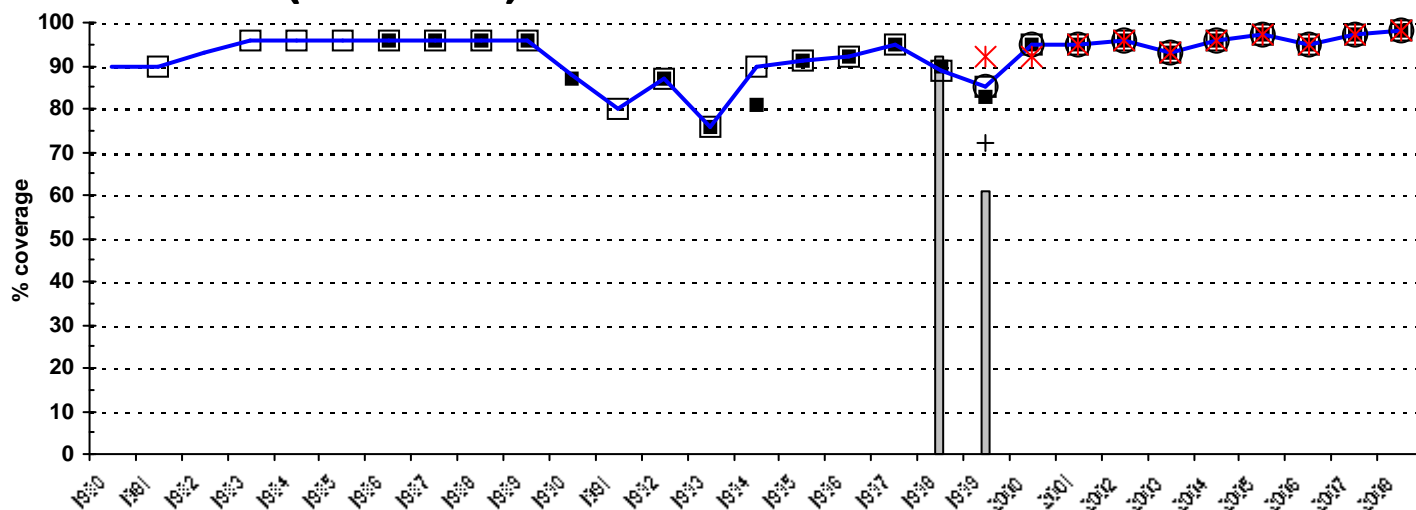
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Albania

MCV (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data. The 1998 survey confirms officially reported data. The MICS 2000 is not considered because health cards were maintained at health centre.

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						
1981	90	90					
1982	93						
1983	96	96					
1984	96	96					
1985	96	96					
1986	96	96	96				
1987	96	96	96				
1988	96	96	96				
1989	96	96	96				
1990	88		87				
1991	80	80					
1992	87	87	87				
1993	76	76	76				
1994	90	90	81				
1995	91	91	91				
1996	92	92	92				
1997	95	95	95				
1998	89	89	90				
1999	85	85	83	85	92	61	72
2000	95	95	95	95	92		
2001	95	95	95	95	95		
2002	96	96	96	96	96		
2003	93	93	93	93	93		
2004	96	96	96	96	96		
2005	97	97	97	97	97		
2006	95	95	95	95	95		
2007	97	97	97	97	97		
2008	98	98	98	98	98		

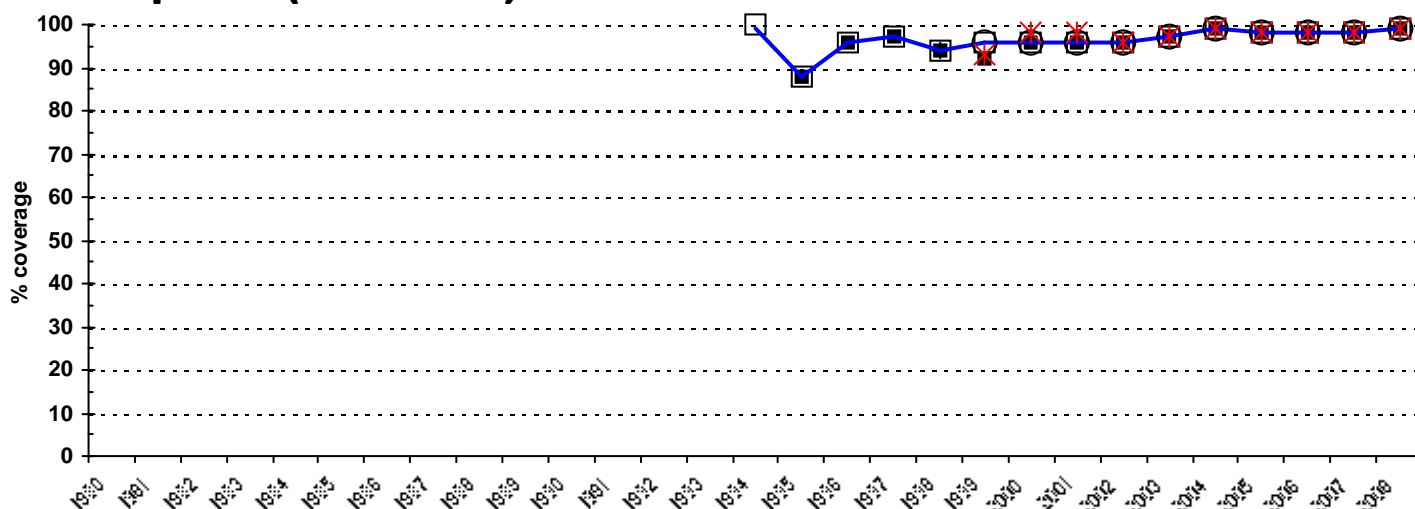
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Albania

HepB3 (1980-2008)



Description of trend

Hepatitis B vaccine was introduced in 1994. Estimated immunization coverage levels are based on reported data. No survey data available for reported data are consistent with reported DTP3 and polio which are confirmed 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							
1993							
1994	99	100					
1995	88	88	88				
1996	96	96	96				
1997	97	97	97				
1998	94	94	94				94
1999	96	96	92	96	93		
2000	96	96	96	96	98		
2001	96	96	96	96	98		
2002	96	96	96	96	96		
2003	97	97	97	97	97		
2004	99	99	99	99	99		
2005	98	98	98	98	98		
2006	98	98	98	98	98		
2007	98	98	98	98	98		
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.

Albania

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
1999 2000 Albania Multiple Indicator Cluster Survey								
BCG	History	38.4		12-23 m	289	86	2000	
BCG	Card or history	79.6		12-23 m	289	86	2000	
BCG	Card	41.2		12-23 m	289	86	2000	
BCG	C or H <12 month	98.9		12-23 m	289	86	2000	
DTP1	History	29		12-23 m	289	86	2000	
DTP1	Card or history	70.7		12-23 m	289	86	2000	
DTP1	Card	41.7		12-23 m	289	86	2000	
DTP1	C or H <12 month	96.2		12-23 m	289	86	2000	
DTP3	History	12.5		12-23 m	289	86	2000	
DTP3	Card or history	51.7		12-23 m	289	86	2000	
DTP3	Card	39.2		12-23 m	289	86	2000	
DTP3	C or H <12 month	94.4		12-23 m	289	86	2000	
Pol3	History	10.3		12-23 m	289	86	2000	
Pol3	Card or history	28.7		12-23 m	289	86	2000	
Pol3	Card	18.4		12-23 m	289	86	2000	
Pol3	C or H <12 month	100		12-23 m	289	86	2000	
MCV	History	28.7		12-23 m	289	86	2000	
MCV	Card or history	61		12-23 m	289	86	2000	
MCV	Card	32.3		12-23 m	289	86	2000	
MCV	C or H <12 month	71.7		12-23 m	289	86	2000	

1998 National survey of EPI coverage, 1999

BCG	Card or History	95	Crude	12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
BCG	C or H <12 month	93		12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
DTP1	Card or History		Crude	12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
DTP1	C or H <12 month			12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
DTP3	Card or History	99	Crude	12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
DTP3	C or H <12 month	98		12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
Pol3	Card or History	99	Crude	12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
Pol3	C or H <12 month	98		12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
MCV	Card or History	92	Crude	12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
MCV	C or H <12 month			12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'
HepB	C or H <12 month	94		12-23 m	2455	100	1999	Coverage according to routine notification registry where all children have their cards, Confirmation method 'Card or History' is actually 'Card only'

Albania

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.

Albania

Year	PAB coverage estimate (%)
1980	
1981	
1982	
1983	
1984	
1985	
1986	
1987	
1988	
1989	
1990	30
1991	72
1992	87
1993	89
1994	91
1995	90
1996	91
1997	92
1998	74
1999	80
2000	86
2001	83
2002	80
2003	81
2004	85
2005	86
2006	87
2007	87
2008	87