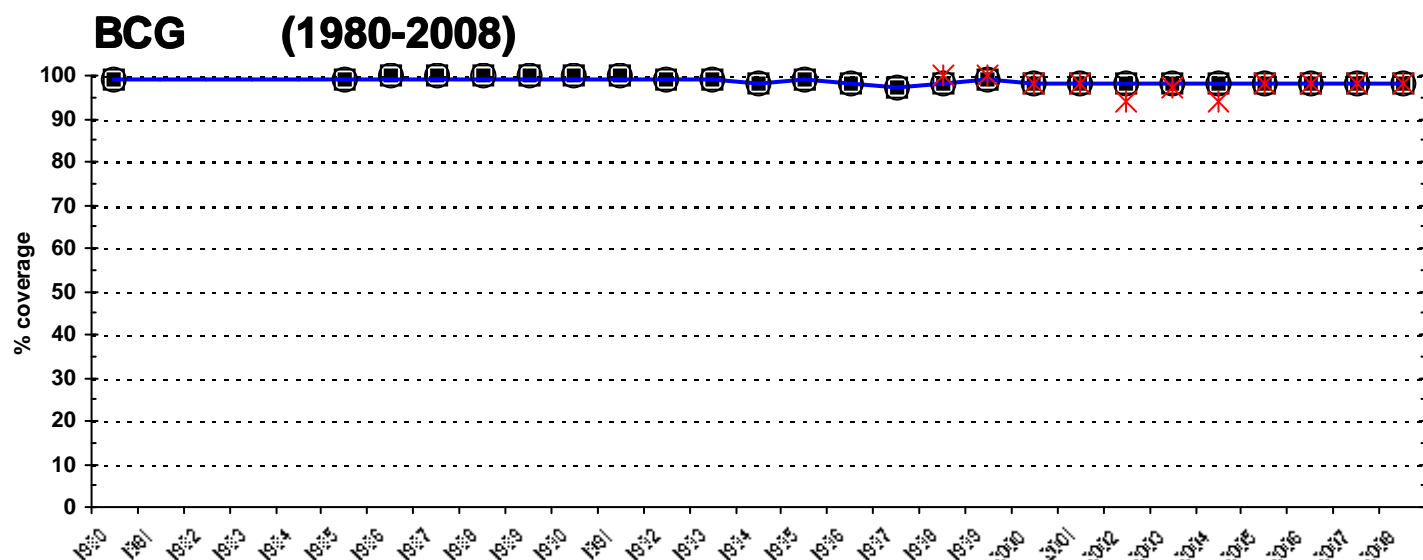


**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Bulgaria

July, 2009

Bulgaria



Description of trend

Estimated immunization coverage levels are based on reported data. For missing data between two years the imputed coverage is the linear interpolation between the two reported coverage rates. If coverage has ceased to be reported, it is assumed to remain constant. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

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

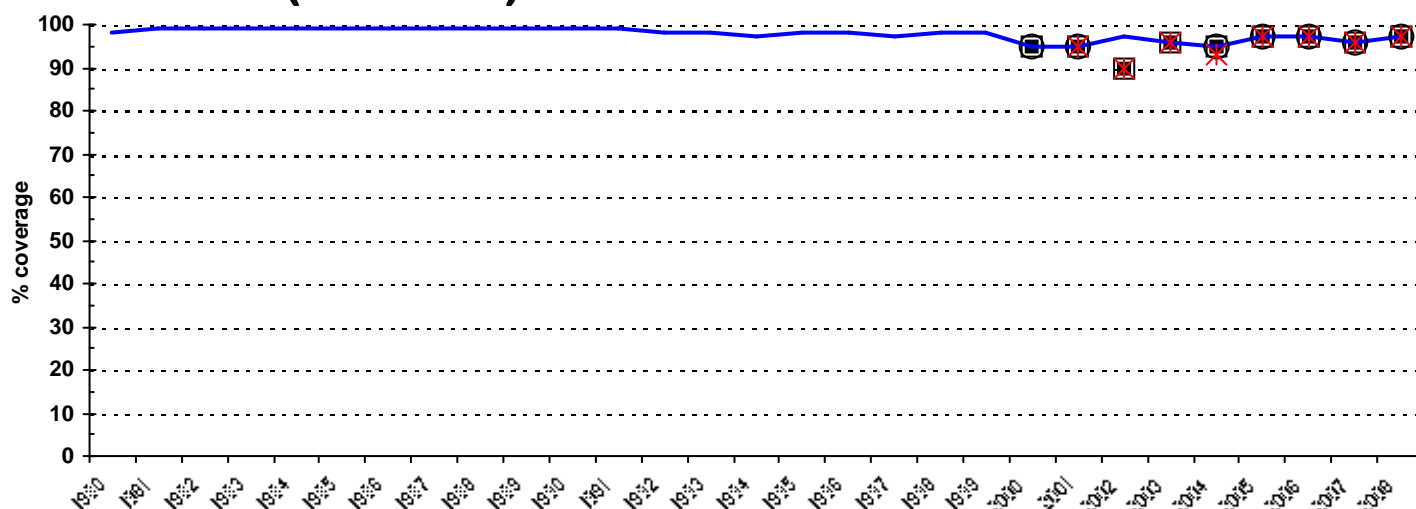
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Bulgaria

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 and 2002 (reported DTP1 less than reported DTP3) 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. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

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	98						
1981	99						
1982	99						
1983	99						
1984	99						
1985	99						
1986	99						
1987	99						
1988	99						
1989	99						
1990	99						
1991	99						
1992	98						
1993	98						
1994	97						
1995	98						
1996	98						
1997	97						
1998	98						
1999	98						
2000	95	95	95	95			
2001	95	95	95	95	95		
2002	97	90	90		90		
2003	96	96	96		96		
2004	95	95	95	95	93		
2005	97	97	97	97	97		
2006	97	97	97	97	97		
2007	96	96	96	96	96		
2008	97	97	97	97	97		

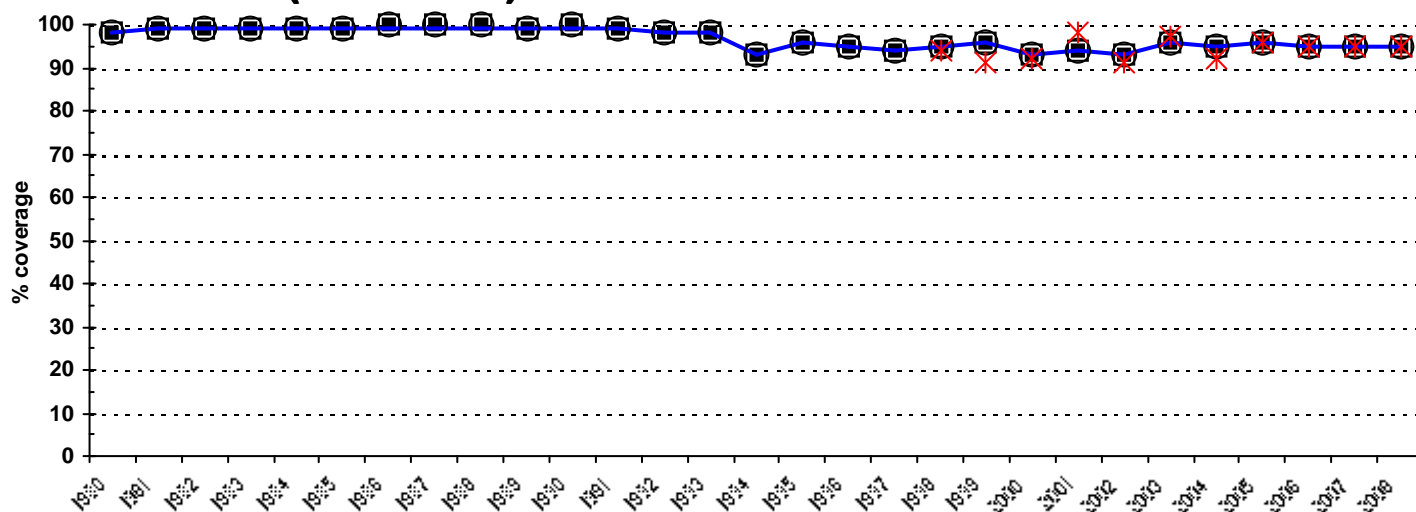
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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

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Bulgaria

DTP3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

Data presented in chart

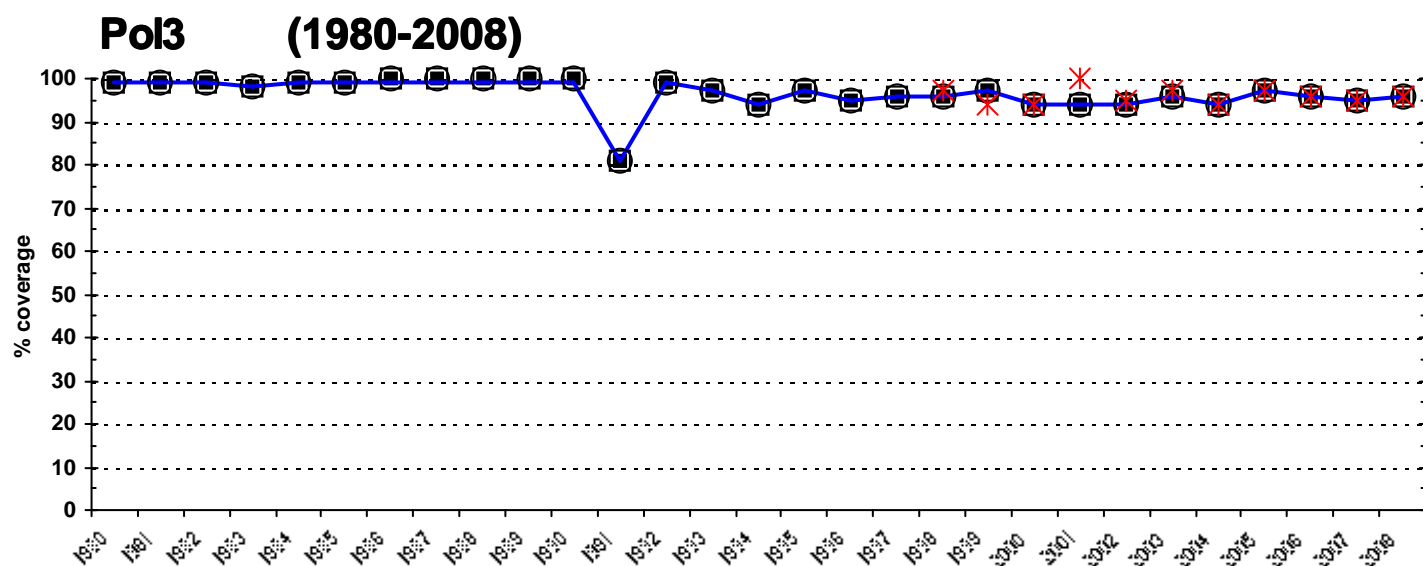
Year	WHO/ UNICEF estimate (%) —	Reported to:*		Government official estimate (%) ○	Reported doses administered (%)** ✕	Survey data (%)***	
		WHO (%) □	UNICEF (%) ■			Survey 12-23 months ▮	Survey <12 months +
1980	98	98	98	98			
1981	99	99	99	99			
1982	99	99	99	99			
1983	99	99	99	99			
1984	99	99	99	99			
1985	99	99	99	99			
1986	99	100	100	100			
1987	99	100	100	100			
1988	99	100	100	100			
1989	99	99	99	99			
1990	99	100	100	100			
1991	99	99	99	99			
1992	98	98	98	98			
1993	98	98	98	98			
1994	93	93	93	93			
1995	96	96	96	96			
1996	95	95	95	95			
1997	94	94	94	94			
1998	95	95	95	95	94		
1999	96	96	96	96	91		
2000	93	93	93	93	92		
2001	94	94	94	94	98		
2002	93	93	93	93	91		
2003	96	96	96	96	97		
2004	95	95	95	95	92		
2005	96	96	96	96	96		
2006	95	95	95	95	95		
2007	95	95	95	95	95		
2008	95	95	95	95	95		

*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.

Bulgaria



Description of trend

Estimated immunization coverage levels are based on reported data. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

Data presented in chart

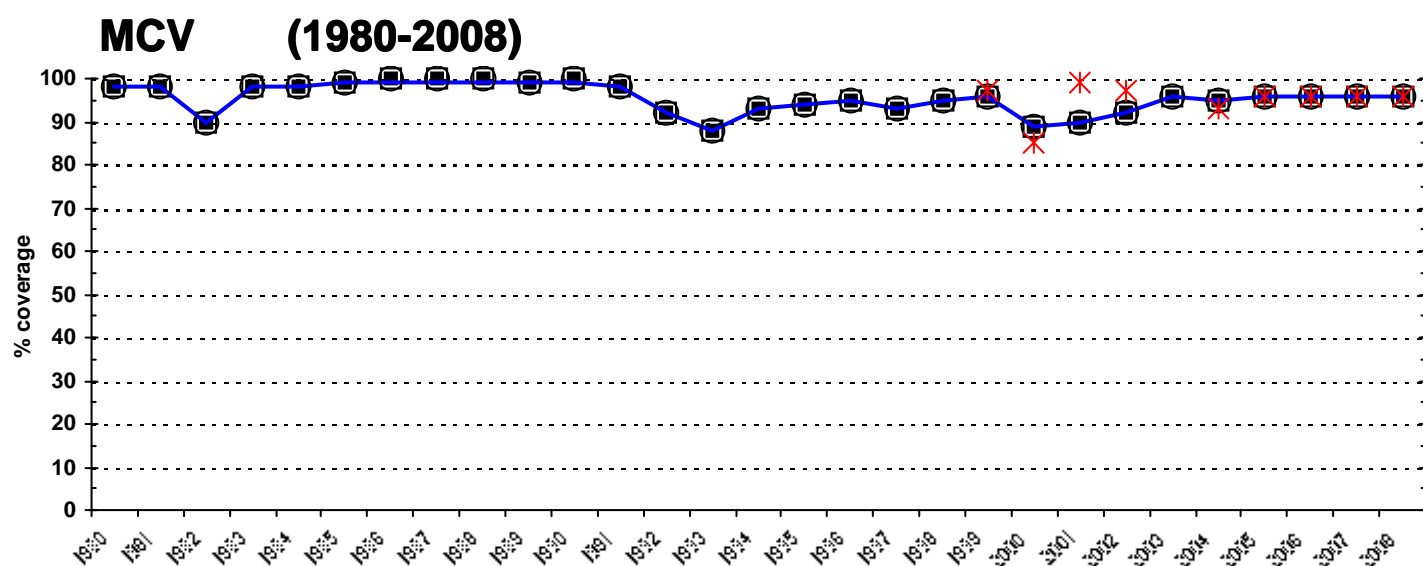
Year	WHO/ UNICEF estimate (%)	Reported to:*		Government official estimate (%)	Reported doses administered (%)**	Survey data (%)***	
		WHO (%) □	UNICEF (%) ■			Survey 12-23 months ▮	Survey <12 months +
1980	99	99	99	99			
1981	99	99	99	99			
1982	99	99	99	99			
1983	98	98	98	98			
1984	99	99	99	99			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

Bulgaria



Description of trend

Estimated immunization coverage levels are based on reported data. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

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	98	98	98	98			
1981	98	98	98	98			
1982	90	90	90	90			
1983	98	98	98	98			
1984	98	98	98	98			
1985	99	99	99	99			
1986	99	100	100	100			
1987	99	100	100	100			
1988	99	100	100	100			
1989	99	99	99	99			
1990	99	100	100	100			
1991	98	98	98	98			
1992	92	92	92	92			
1993	88	88	88	88			
1994	93	93	93	93			
1995	94	94	94	94			
1996	95	95	95	95			
1997	93	93	93	93			
1998	95	95	95	95			
1999	96	96	96	96	97		
2000	89	89	89	89	85		
2001	90	90	90	90	99		
2002	92	92	92	92	97		
2003	96	96	96	96	102		
2004	95	95	95	95	93		
2005	96	96	96	96	96		
2006	96	96	96	96	96		
2007	96	96	96	96	96		
2008	96	96	96	96	96		

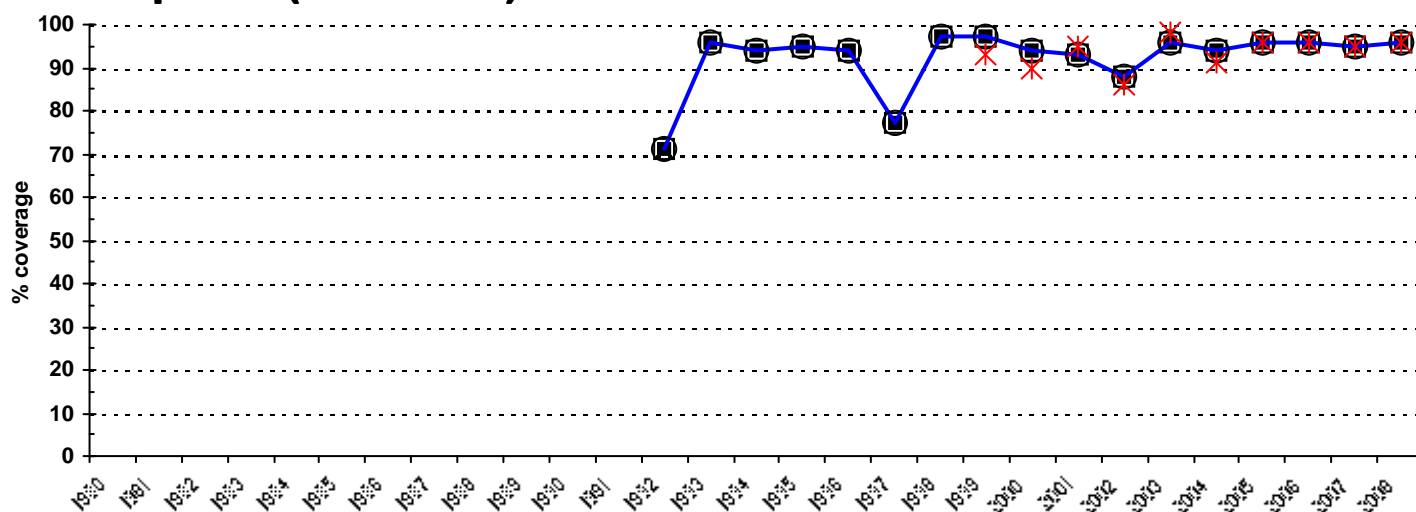
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Bulgaria

HepB3 (1980-2008)



Description of trend

Hepatitis B vaccine was introduced in 1991. Estimated immunization coverage levels are based on reported data. WHO/UNICEF recommend conducting a high quality survey to verify reported levels of coverage.

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	71	71	71	71			
1993	96	96	96	96			
1994	94	94	94	94			
1995	95	95	95	95			
1996	94	94	94	94			
1997	77	77	77	77			
1998	97	97	97	97			
1999	97	97	97	97	93		
2000	94	94	94	94	90		
2001	93	93	93	93	95		
2002	88	88	88	88	86		
2003	96	96	96	96	98		
2004	94	94	94	94	91		
2005	96	96	96	96	96		
2006	96	96	96	96	96		
2007	95	95	95	95	95		
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.

