

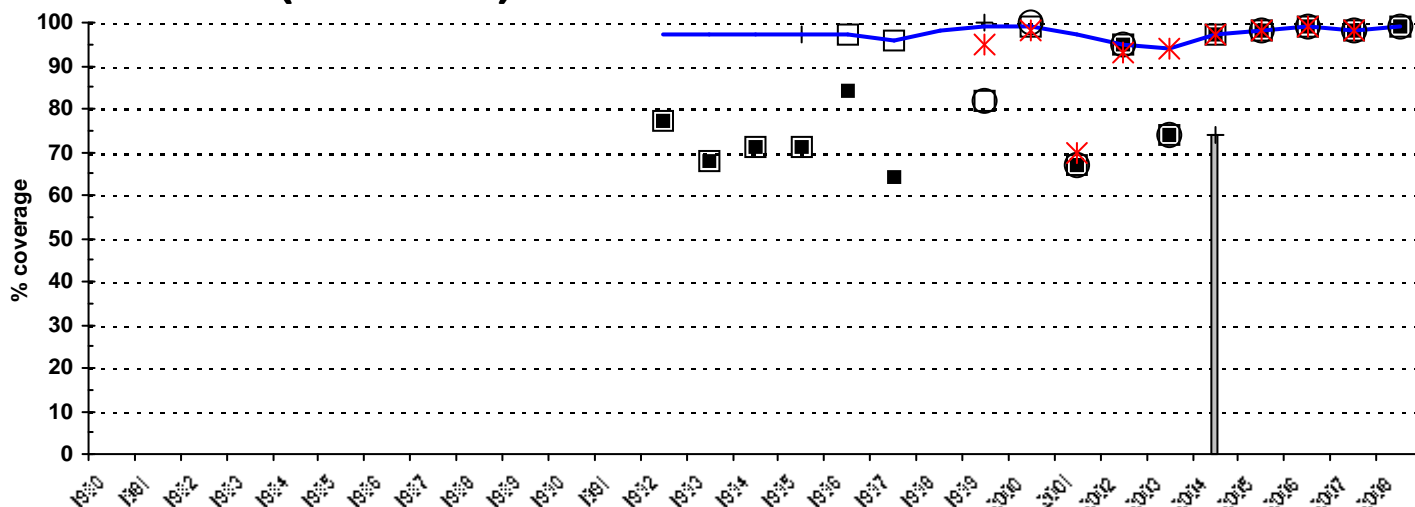
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Serbia

July, 2009

Serbia

BCG (1980-2008)



Description of trend

Survey points in 1995 and 1999 confirm high levels of coverage. There is a separate reporting system for BCG which has low reliability. Estimates for 2005 do not include Montenegro and Kosovo. The difference between reported BCG coverage and the 2005 survey results are under investigation.

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	77	77				
1993	97	68	68				
1994	97	71	71				
1995	97	71	71				97
1996	97	97	84				
1997	96	96	64				
1998	98						
1999	99	82		82	95		100
2000	99	99		100	98		
2001	97	67	67	67	70		
2002	95	95	95	95	93		
2003	94	74	74	74	94		
2004	97	97	97		97	74	74
2005	98	98	98	98	98		
2006	99	99	99	99	99		
2007	98	98	98	98	98		
2008	99	99	99	99			

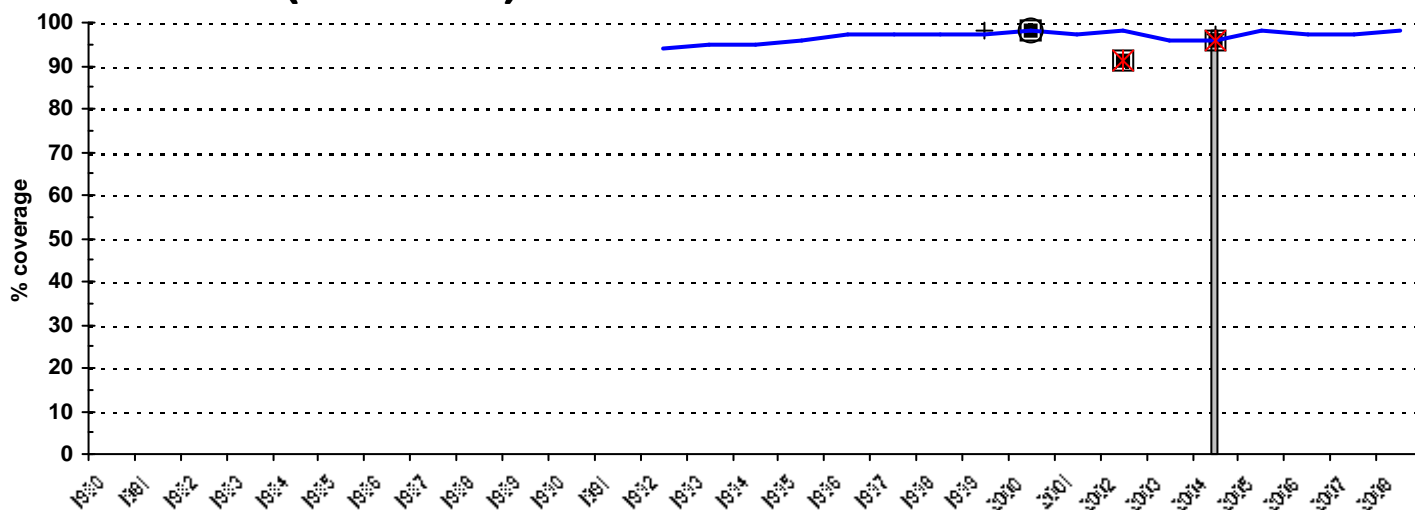
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Serbia

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 estimate for 2000 is based on these reports. For other years the estimates are derived from the WHO/UNICEF estimates 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							
1981							
1982							
1983							
1984							
1985							
1986							
1987							
1988							
1989							
1990							
1991							
1992	94						
1993	95						
1994	95						
1995	96						
1996	97						
1997	97						
1998	97						
1999	97						98
2000	98	98	98	98			
2001	97						
2002	98	91	91		91		
2003	96						
2004	96	96	96		96	98	97
2005	98						
2006	97						
2007	97						
2008	98						

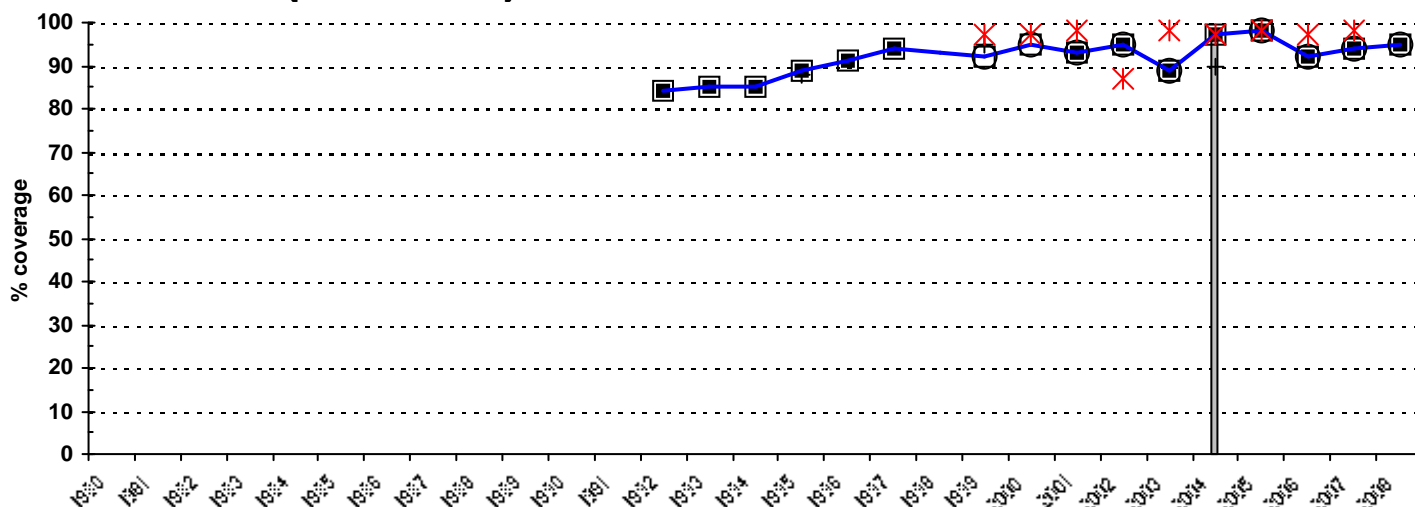
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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

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Serbia

DTP3 (1980-2008)



Description of trend

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

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	84				
1993	85	85	85				
1994	85	85	85				
1995	89	89	89				88
1996	91	91	91				
1997	94	94	94				
1998	93						
1999	92	92		92	97		95
2000	95	95		95	97		
2001	93	93	93	93	98		
2002	95	95	95	95	87		
2003	89	89	89	89	98		
2004	97	97	97		97	96	90
2005	98	98	98	98	98		
2006	92	92	92	92	97		
2007	94	94	94	94	98		
2008	95	95	95	95			

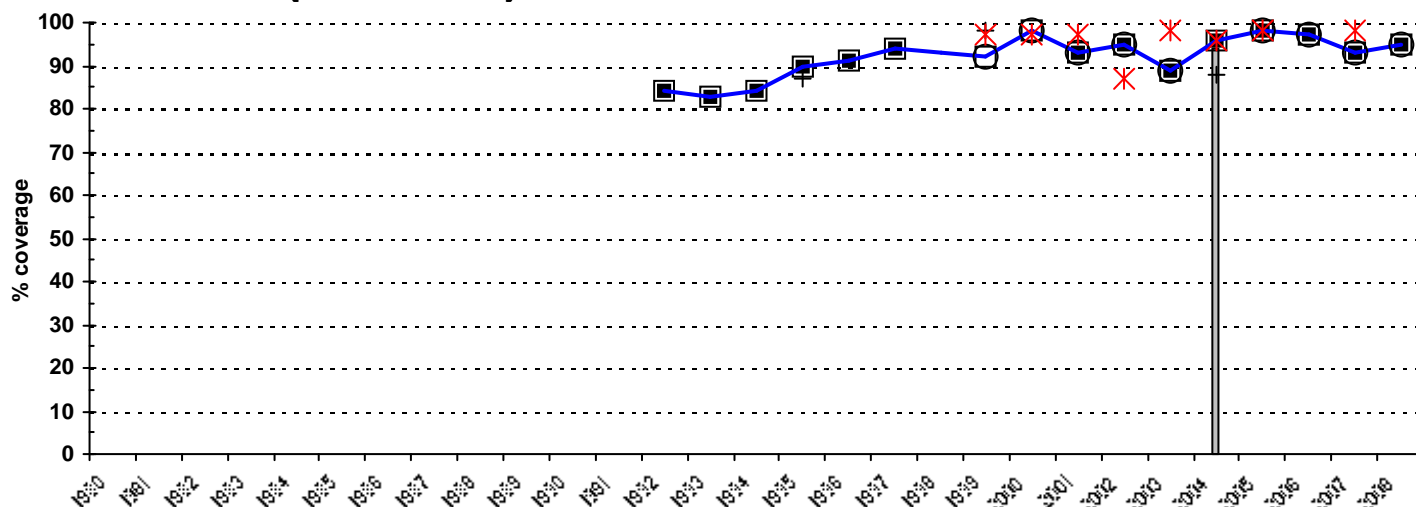
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Serbia

Pol3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data, supported by survey results. Estimates for 2005 do not include Montenegro and Kosovo.

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	84				
1993	83	83	83				
1994	84	84	84				
1995	90	90	90				87
1996	91	91	91				
1997	94	94	94				
1998	93						
1999	92	92		92	97		98
2000	98	98		98	97		
2001	93	93	93	93	97		
2002	95	95	95	95	87		
2003	89	89	89	89	98		
2004	96	96	96		96	94	88
2005	98	98	98	98	98		
2006	97	97	97	97			
2007	93	93	93	93	98		
2008	95	95	95	95			

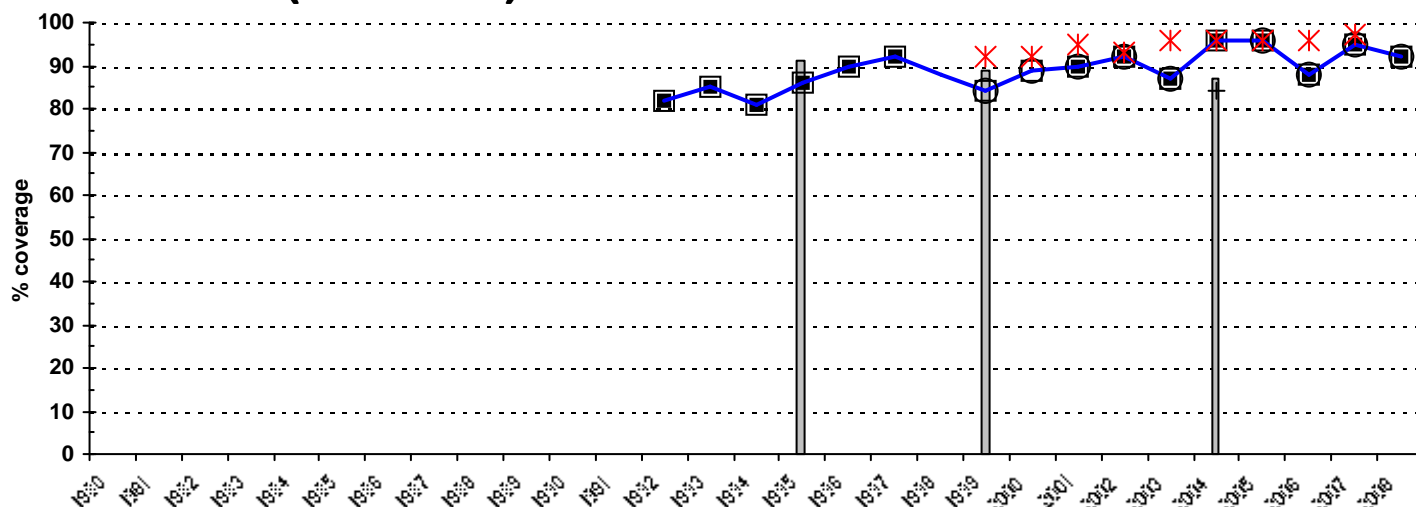
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Serbia

MCV (1980-2008)



Description of trend

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

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	82	82	82				
1993	85	85	85				
1994	81	81	81				
1995	86	86	86			91	
1996	90	90	90				
1997	92	92	92				
1998	88						
1999	84	84		84	92	89	
2000	89	89		89	92		
2001	90	90	90	90	95		
2002	92	92	92	92	93		
2003	87	87	87	87	96		
2004	96	96	96		96	87	84
2005	96	96	96	96	96		
2006	88	88	88	88	96		
2007	95	95	95	95	97		
2008	92	92	92	92			

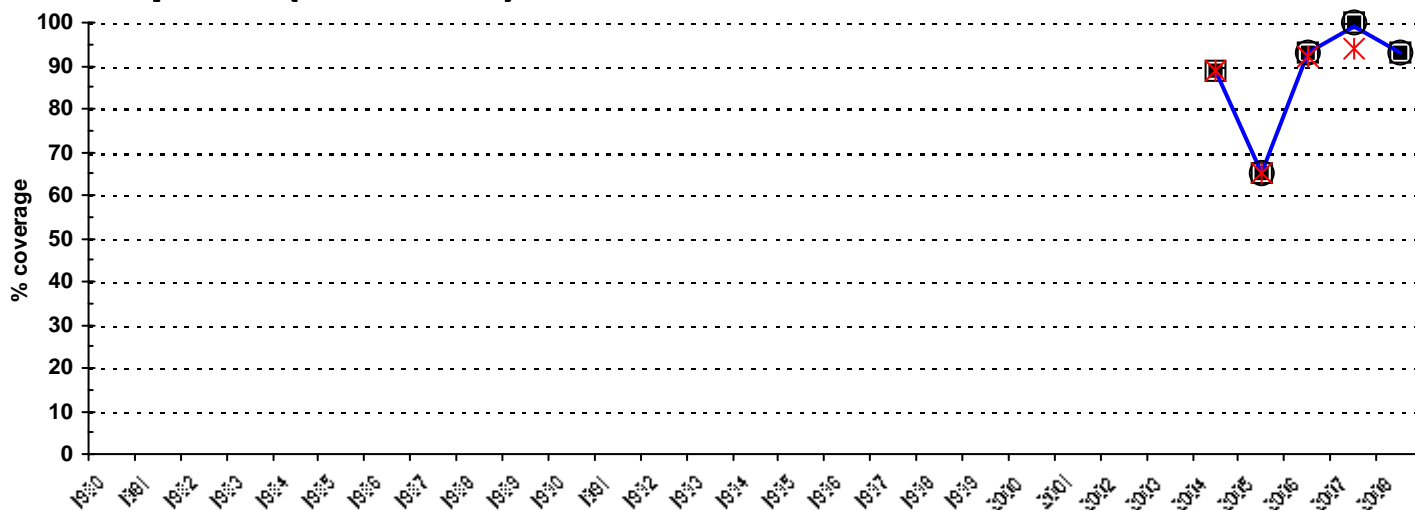
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Serbia

HepB3 (1980-2008)



Description of trend

Hepatitis B vaccine introduced in 2002. Estimated immunization coverage levels are based on reported data, supported by survey results.

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	89	89	89		89		
2005	65	65	65	65	65		
2006	93	93	93	93	92		
2007	99	100	100	100	94		
2008	93	93	93	93			

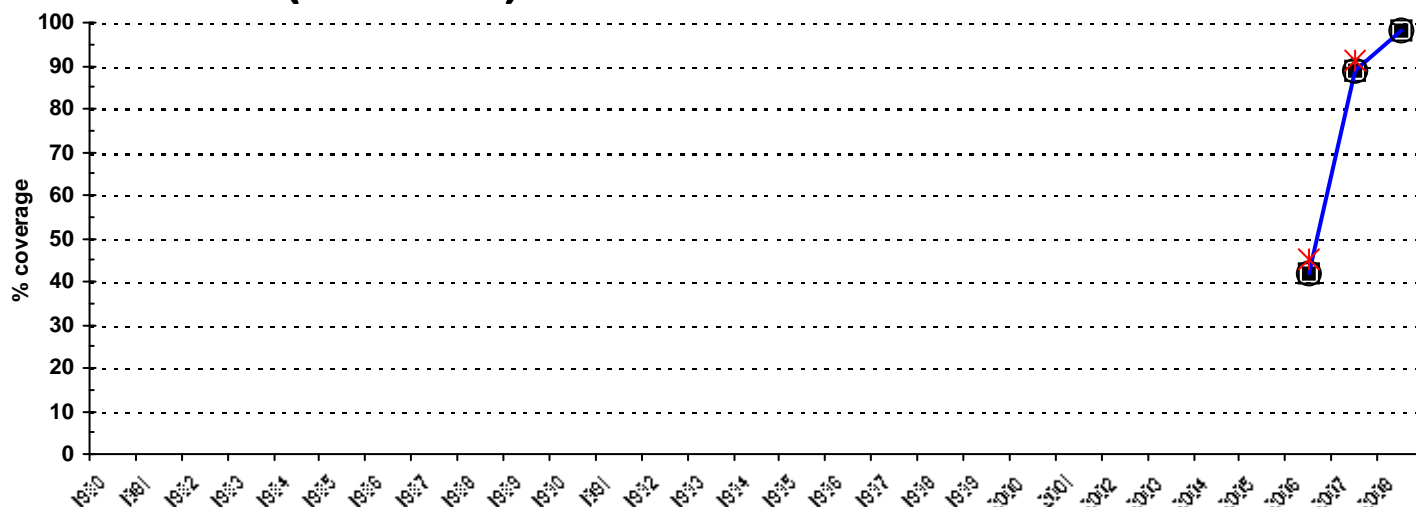
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Serbia

Hib3 (1980-2008)



Description of trend

Hib vaccine introduced in 2006. 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							
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1991							
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1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005							
2006	42	42	42	42	45		
2007	89	89	89	89	91		
2008	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.

Serbia

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
2004 Serbia Multiple Indicator Cluster Survey 2005								
BCG	Card or History	74.5		18-29 m	782	70.8	2005/2006	
BCG	C or H <12 month	74.1		18-29 m	782	70.8	2005/2006	
DTP1	Card or History	98.5		18-29 m	782	70.8	2005/2006	
DTP1	C or H <12 month	97.1		18-29 m	782	70.8	2005/2006	
DTP3	Card or History	95.6		18-29 m	782	70.8	2005/2006	
DTP3	C or H <12 month	89.7		18-29 m	782	70.8	2005/2006	
Pol3	Card or History	93.8		18-29 m	782	70.8	2005/2006	
Pol3	C or H <12 month	88.2		18-29 m	782	70.8	2005/2006	
MCV	Card or History	86.6		18-29 m	782	70.8	2005/2006	
MCV	C or H <12 month	84.1		18-29 m	782	70.8	2005/2006	
HepB	Card or History			18-29 m	782	70.8	2005/2006	
HepB	C or H <12 month			18-29 m	782	70.8	2005/2006	

1999 Federal Republic of Yugoslavia, Multiple Indicator Cluster Survey II 2000 (excluding Kosovo)

BCG	C or H <12 month	100		12-23 m	341	75.8	2000	
DTP1	C or H <12 month	97.6		12-23 m	341	75.8	2000	
DTP3	C or H <12 month	94.9		12-23 m	341	75.8	2000	
Pol3	C or H <12 month	98		12-23 m	341	75.8	2000	
MCV	Card or History	89.2		24-35 m	341	75.8	2000	age group for measles different, since administered at 12-18 m

1995 FR Yugoslavia 1996, Multiple Indicator Cluster Survey, 1997

BCG	C or H <12 month	97.1		12-23 m			1996	
DTP1	C or H <12 month			12-23 m			1996	
DTP3	C or H <12 month	88		12-23 m			1996	
Pol3	C or H <12 month	86.6		12-23 m			1996	
MCV	Card or History	90.8		12-23 m			1996	

