

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

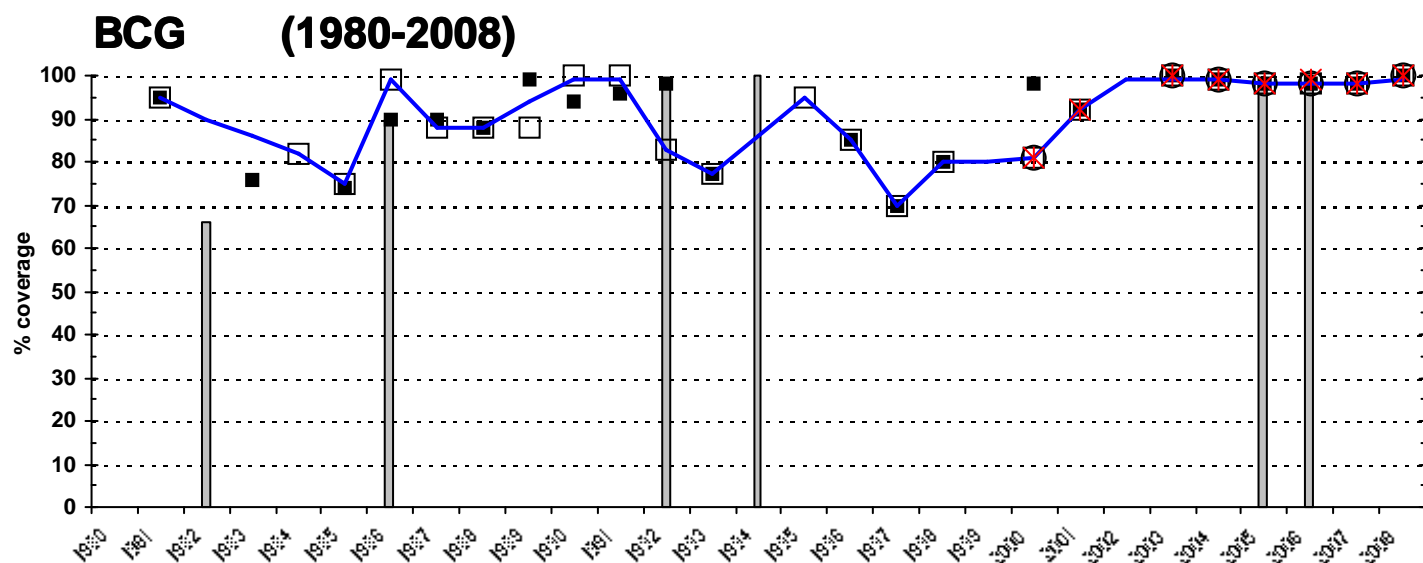
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***Sao Tome and Principe***

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**July, 2009**

# Sao Tome and Principe



## Description of trend

Trend follows officially reported data supported by surveys.

## 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	95	95	95				
1982	90					66	
1983	86		76				
1984	82	82					
1985	75	75	74				
1986	99	99	90			90	
1987	88	88	90				
1988	88	88	88				
1989	94	88	99				
1990	99	100	94				
1991	99	100	96				
1992	83	83	98			99	
1993	77	77	77				
1994	86					100	
1995	95	95					
1996	85	85	85				
1997	70	70	70				
1998	80	80	80				
1999	80						
2000	81	81	98	81	81		
2001	92	92	92		92		
2002	99	104	104		104		
2003	99	100	100	100	100		
2004	99	99	99	99	99		
2005	98	98	98	98	98	98	98
2006	98	98	98	98	99	100	
2007	98	98	98	98	98		
2008	99	100	100	100	100		

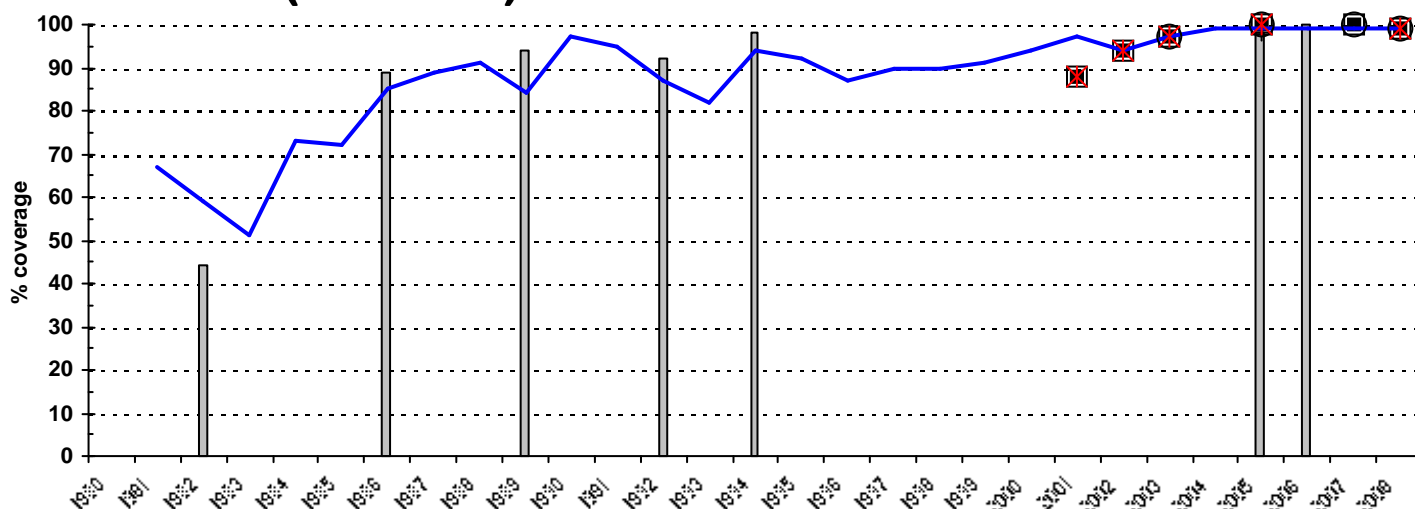
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Sao Tome and Principe

## 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 200 onward. The DTP1 estimates from 2002 onward are based on these reports. For years prior to 2001 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							
1981	67						
1982	59					44	
1983	51						
1984	73						
1985	72						
1986	85					89	
1987	89						
1988	91						
1989	84					94	
1990	97						
1991	95						
1992	87					92	
1993	82						
1994	94					98	
1995	92						
1996	87						
1997	90						
1998	90						
1999	91						
2000	94						
2001	97	88	88		88		
2002	94	94	94		94		
2003	97	97	97	97	97		
2004	99	103	103	103	103		
2005	99	100	100	100	100	98	98
2006	99	104	104	104	104	100	
2007	99	100	100	100	101		
2008	99	99	99	99	99		

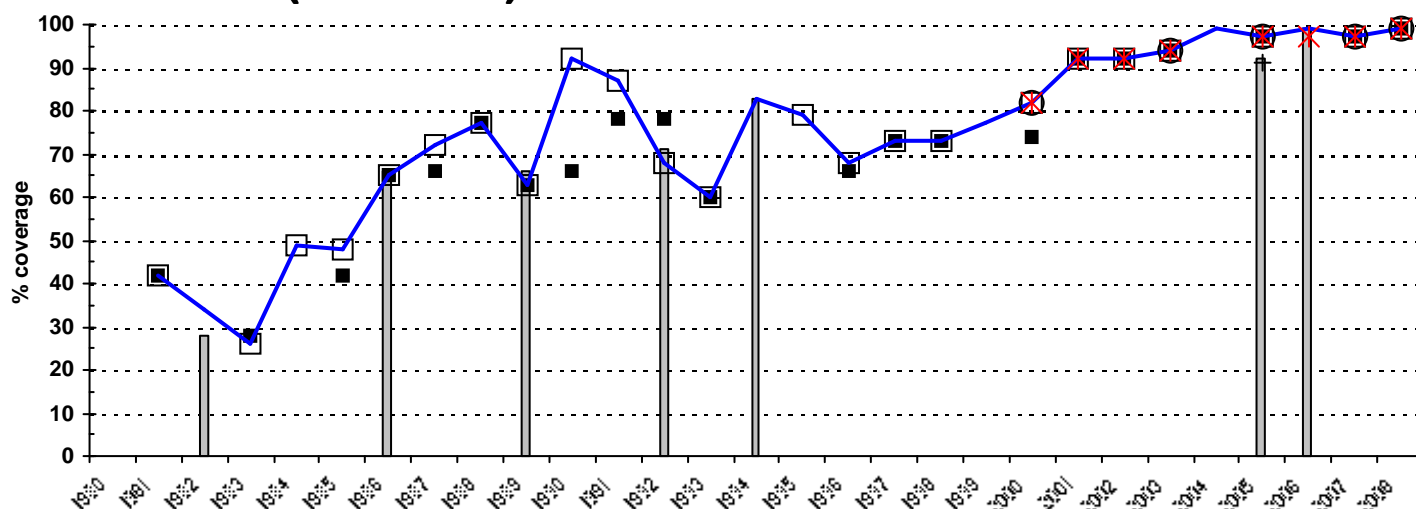
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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# Sao Tome and Principe

## DTP3 (1980-2008)



### Description of trend

Trend follows officially 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	42	42	42				
1982	34					28	
1983	26	26	28				
1984	49	49					
1985	48	48	42				
1986	65	65	65			66	
1987	72	72	66				
1988	77	77	77				
1989	63	63	63			66	
1990	92	92	66				
1991	87	87	78				
1992	68	68	78			71	
1993	60	60	60				
1994	83					83	
1995	79	79					
1996	68	68	66				
1997	73	73	73				
1998	73	73	73				
1999	77						
2000	82	82	74	82	82		
2001	92	92	92		92		
2002	92	92	92		92		
2003	94	94	94	94	94		
2004	99	101	101	101	101		
2005	97	97	97	97	97	92	91
2006	99	102	102	102	97	99	
2007	97	97	97	97	97		
2008	99	99	99	99	99		

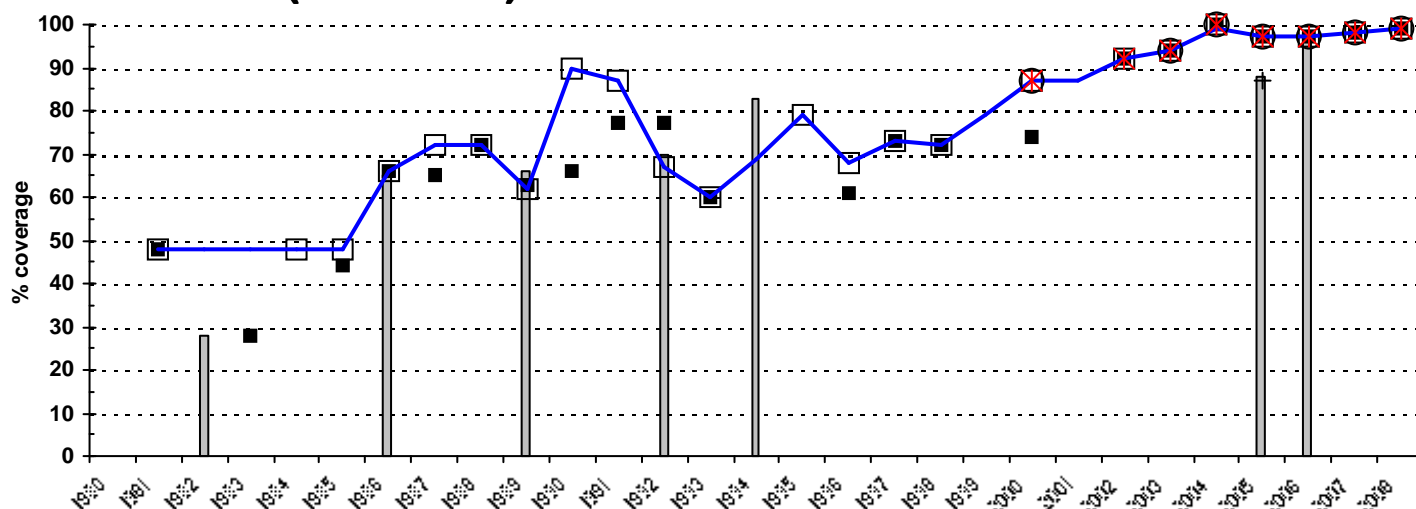
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Sao Tome and Principe

## Pol3 (1980-2008)



### Description of trend

Trend follows officially 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	48	48	48				
1981	48					28	
1982	48		28				
1983	48	48					
1984	48	48	44				
1985	66	66	66			65	
1986	72	72	65				
1987	72	72	72				
1988	62	62	63			66	
1989	90	90	66				
1990	87	87	77				
1991	67	67	77			70	
1992	60	60	60				
1993	69					83	
1994	79	79					
1995	68	68	61				
1996	73	73	73				
1997	72	72	72				
1998	79						
1999	87	87	74	87	87		
2000	87						
2001	92	92	92		92		
2002	94	94	94	94	94		
2003	99	100	100	100	100		
2004	97	97	97	97	97	88	87
2005	97	97	97	97	97	98	
2006	98	98	98	98	98		
2007	99	99	99	99	99		

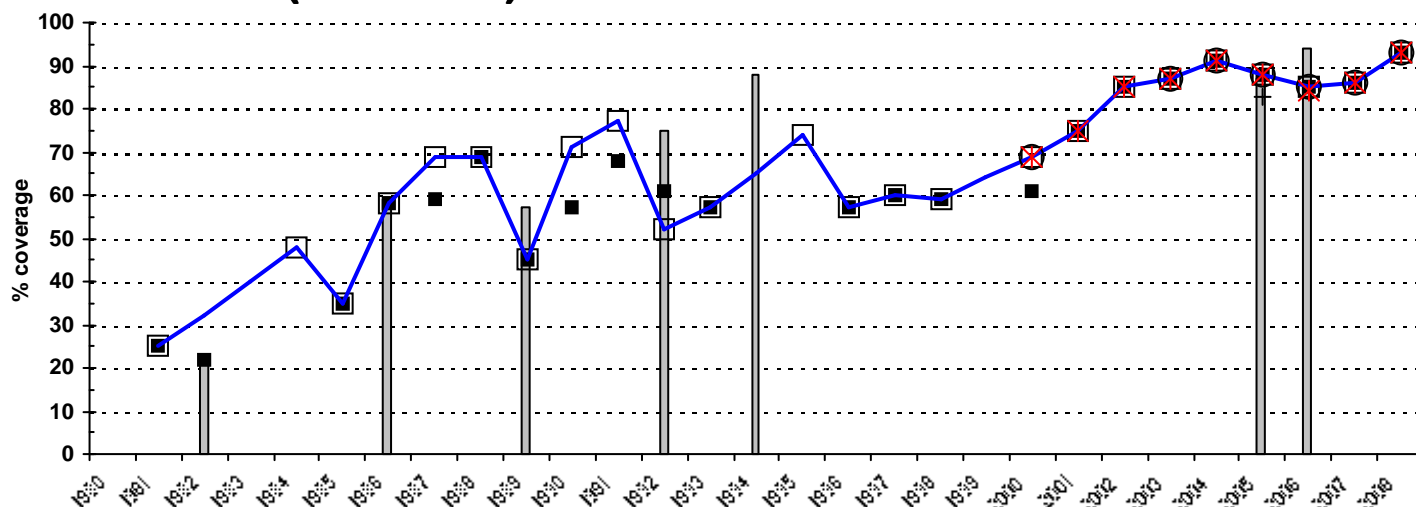
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Sao Tome and Principe

## MCV (1980-2008)



### Description of trend

Trend follows officially 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	25	25	25				
1982	32		22			22	
1983	40						
1984	48	48					
1985	35	35	35				
1986	58	58	58			59	
1987	69	69	69				
1988	69	69	69				
1989	45	45	45			57	
1990	71	71	57				
1991	77	77	68				
1992	52	52	61			75	
1993	57	57	57				
1994	65					88	
1995	74	74					
1996	57	57	57				
1997	60	60	60				
1998	59	59	59				
1999	64						
2000	69	69	61	69	69		
2001	75	75	75		75		
2002	85	85	85		85		
2003	87	87	87	87	87		
2004	91	91	91	91	91		
2005	88	88	88	88	88	87	83
2006	85	85	85	85	84	94	
2007	86	86	86	86	86		
2008	93	93	93	93	93		

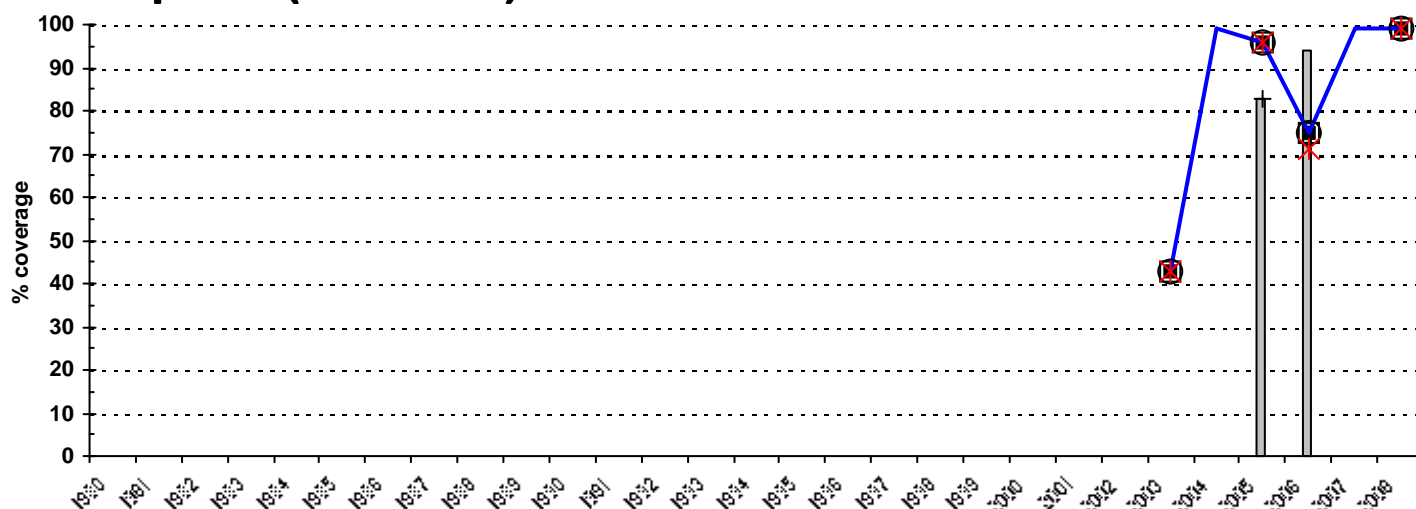
\*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

\*\*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.

# Sao Tome and Principe

## HepB3 (1980-2008)



### Description of trend

Hepatitis B introduced in 2003. Trend follows officially reported data. The decline in 2006 is due to a vaccine stock-out of 8 months; coverage results may reflect catch-up.

### 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	43	43	43	43	43		
2004	99	117	117	117	117		
2005	96	96	96	96	96		
2006	75	75	75	75	71	83	83
2007	99	108	108	108	108	94	
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.

# Sao Tome and Principe

## Details Survey Data

### Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
<b>2006 Enquête nationale de couverture vaccinale 2007</b>								
BCG	Card or History	99.5	Crude	12-23 m	220	97.3	2007	
DTP1	Card or History	100	Crude	12-23 m	220	97.3	2007	
DTP3	Card or History	98.6	Crude	12-23 m	220	97.3	2007	
Pol3	Card or History	98.2	Crude	12-23 m	220	97.3	2007	
MCV	Card or History	94.5	Crude	12-23 m	220	97.3	2007	
HepB	Card or History	93.6	Crude	12-23 m	220	97.3	2007	
<b>2005 The 2006 São Tomé e Príncipe Multiple Indicator Cluster Survey: Final Report</b>								
BCG	Card or History	98.2		12-23 m	673	90.8	2006	
BCG	C or H <12 month	98.1		12-23 m	673	90.8	2006	
DTP1	Card or History	97.9		12-23 m	673	90.8	2006	
DTP1	C or H <12 month	97.9		12-23 m	673	90.8	2006	
DTP3	Card or History	92.1		12-23 m	673	90.8	2006	
DTP3	C or H <12 month	91.4		12-23 m	673	90.8	2006	
Pol3	Card or History	88.1		12-23 m	673	90.8	2006	
Pol3	C or H <12 month	87.4		12-23 m	673	90.8	2006	
MCV	Card or History	86.9		12-23 m	673	90.8	2006	
MCV	C or H <12 month	83.4		12-23 m	673	90.8	2006	
HepB	Card or History	83.2		12-23 m	673	90.8	2006	
HepB	C or H <12 month	82.9		12-23 m	673	90.8	2006	
PAB	n.a.	87.3		CBAW	1230		2006	
<b>1994 Avaliação da Cobertura Vacinal do Programa Alargado de Vacinação, 1995</b>								
BCG	Card or History	100		12-23 m	216	94	1995	
DTP1	Card or History	98		12-23 m	216	94	1995	
DTP3	Card or History	83		12-23 m	216	94	1995	
Pol3	Card or History	83		12-23 m	216	94	1995	
MCV	Card or History	88		12-23 m	216	94	1995	
<b>1992 Avaliação da Cobertura Vacinal do Programa Alargado de Vacinação, 1995</b>								
BCG	Card or History	99		12-23 m	220	94	1993	
DTP1	Card or History	92		12-23 m	220	94	1993	
DTP3	Card or History	71		12-23 m	220	94	1993	
Pol3	Card or History	70		12-23 m	220	94	1993	
MCV	Card or History	75		12-23 m	220	94	1993	
<b>1989 Programa Alargado de Vacinação: Relatório do Inquerito de Cobertura Vacinal, 1990</b>								
DTP1	Card or History	93.8		12-23 m	212	95.2	1990	
DTP3	Card or History	66		12-23 m	212	95.2	1990	
Pol3	Card or History	66		12-23 m	212	95.2	1990	
MCV	Card or History	56.6		12-23 m	212	95.2	1990	
<b>1986 Programa Alargado de Vacinação: Relatório do Inquerito de Cobertura Vacinal, 1990</b>								
BCG	Card or History	90		12-23 m	209	92	1987	
DTP1	Card or History	89		12-23 m	209	92	1987	
DTP3	Card or History	66		12-23 m	209	92	1987	
Pol3	Card or History	65		12-23 m	209	92	1987	
MCV	Card or History	59		12-23 m	209	92	1987	

# Sao Tome and Principe

## Details Survey Data

### Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
<b>1982 Programa Alargado de Vacinação: Relatório do Inquerito de Cobertura Vacinal, 1990</b>								
BCG	Card or History	66		12-23 m	217		1983	
DTP1	Card or History	44		12-23 m	217		1983	
DTP3	Card or History	28		12-23 m	217		1983	
Pol3	Card or History	28		12-23 m	217		1983	
MCV	Card or History	22		12-23 m	217		1983	

