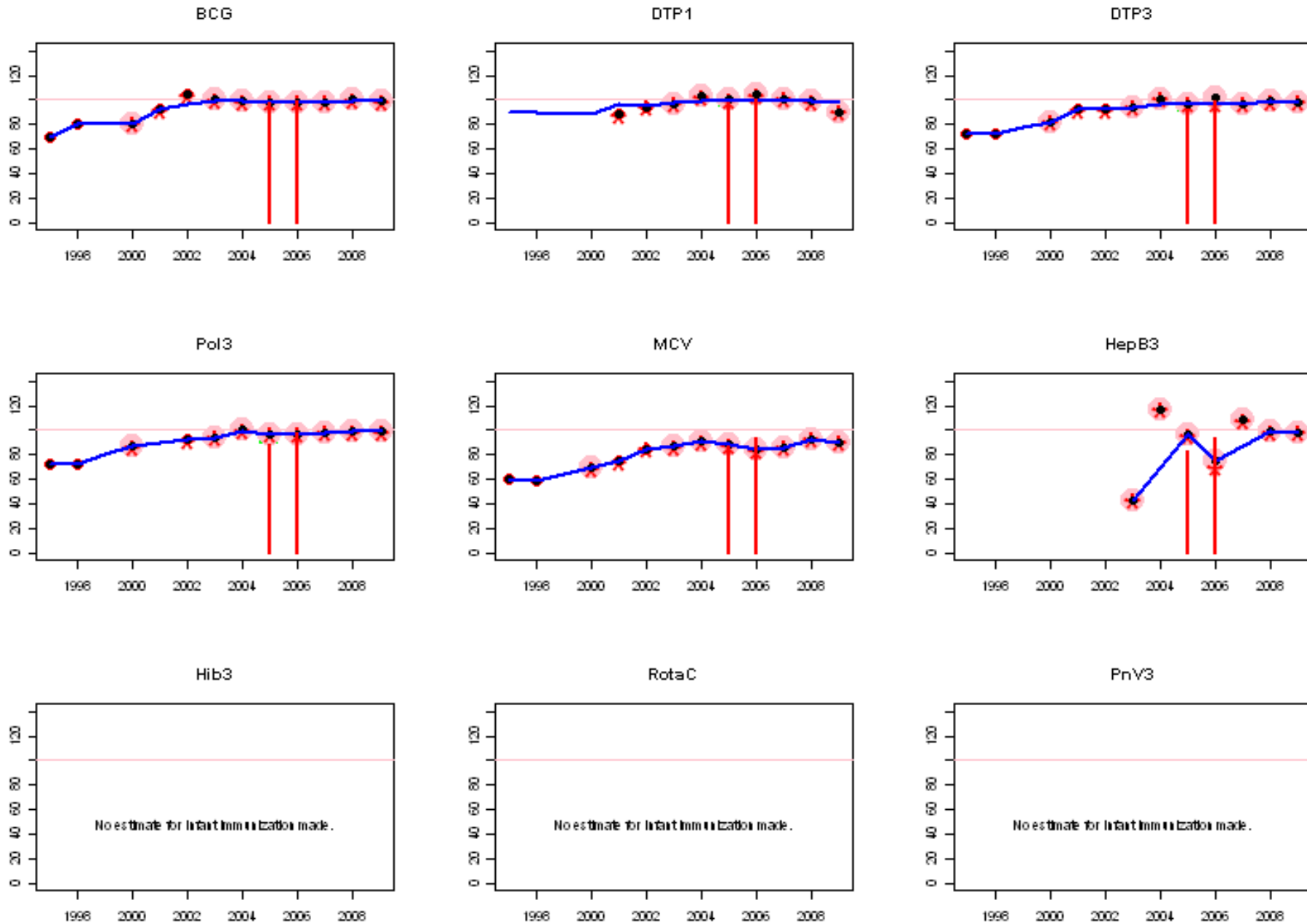
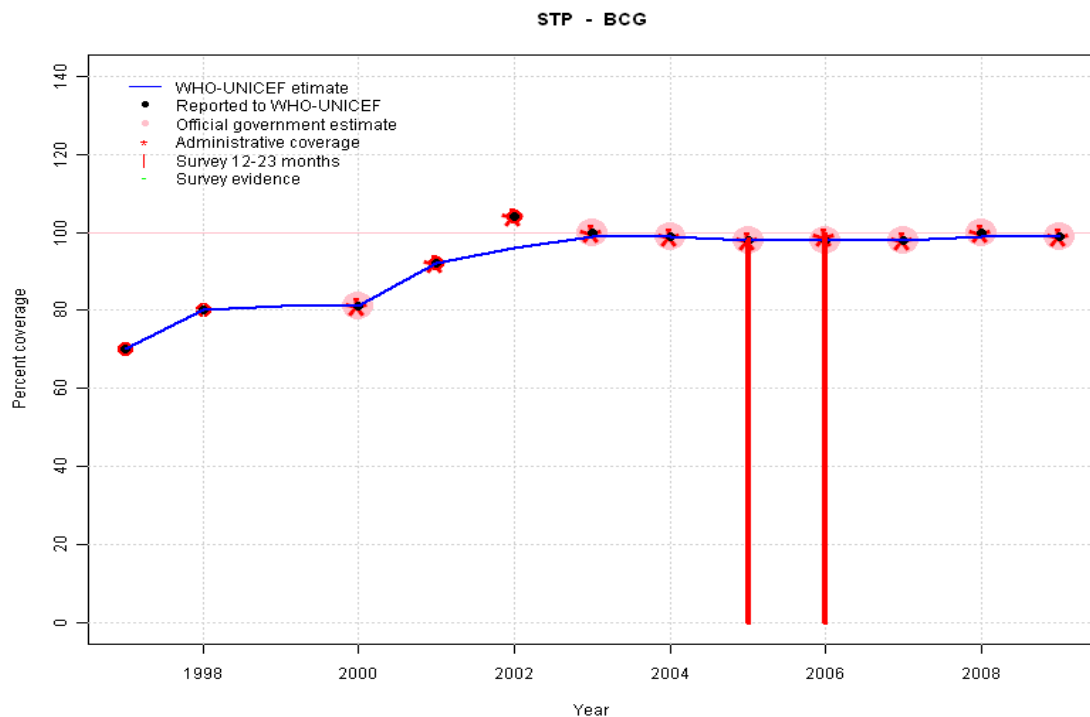


Sao Tome and Principe: WHO and UNICEF estimates of immunization coverage, 1997 - 2009



# Sao Tome and Principe - BCG

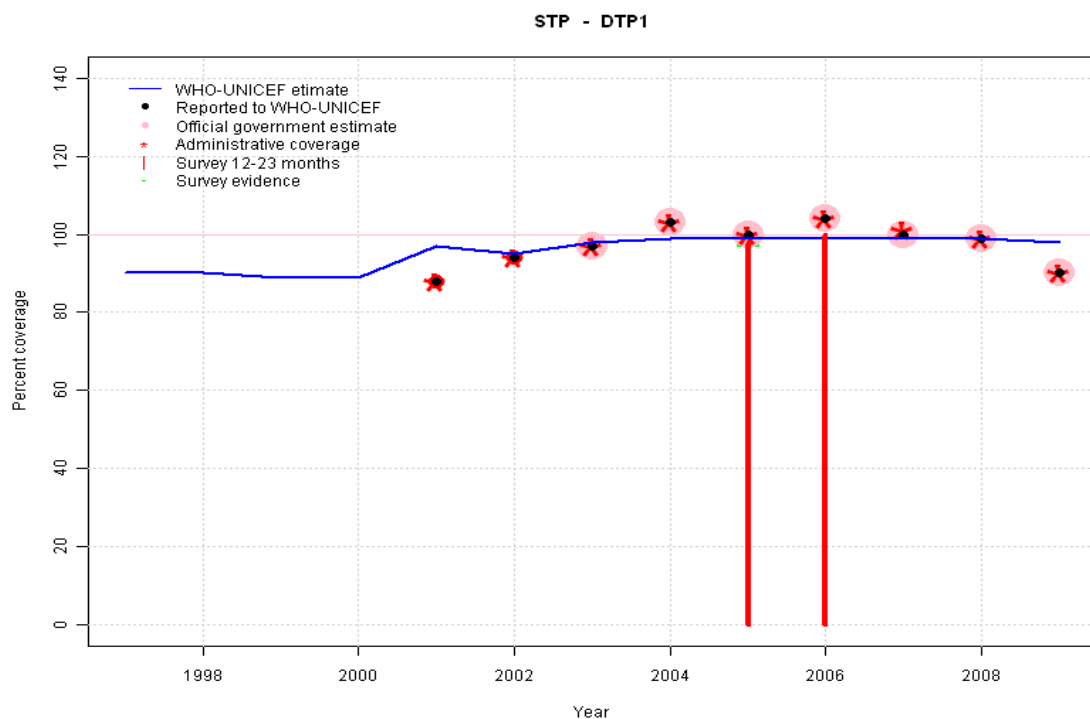
## Description:



- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 80 percent in 1998 and 81 percent in 2000.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data.
- 2002: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 92 percent in 2001 and 100 percent in 2003. 2002 reported data (104 percent) ignored; greater than 100 percent.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data (98 percent) confirmed by survey (98 percent).
- 2006: Estimate based on reported data. Survey results of 99.5 percent with sample size 220 ignored; sample size less than 300.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	70	80	81	81	92	96	99	99	98	98	98	99	99
Reported	70	80	NA	81	92	104	100	99	98	98	98	100	99
Official	NA	NA	NA	81	NA	NA	100	99	98	98	98	100	99
Administrative	NA	NA	NA	81	92	104	100	99	98	99	98	100	99
Survey	NA	NA	NA	NA	NA	NA	NA	NA	98	NA	NA	NA	NA

# Sao Tome and Principe - DTP1



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	90	90	89	89	97	95	98	99	99	99	99	99	98
Reported	NA	NA	NA	NA	88	94	97	103	100	104	100	99	90
Official	NA	NA	NA	NA	NA	NA	97	103	100	104	100	99	90
Administrative	NA	NA	NA	NA	88	94	97	103	100	104	101	99	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	98	NA	NA	NA	NA

## Description:

1997: Legacy estimate.

1998: Reported data (88 percent) calibrated to 1997 and 2005 levels. Missing or ignored reported value estimated by extrapolation from 2001 reported value of 88 percent.

1999: Reported data (88 percent) calibrated to 1997 and 2005 levels. Missing or ignored reported value estimated by extrapolation from 2001 reported value of 88 percent.

2000: Reported data (88 percent) calibrated to 1997 and 2005 levels. Missing or ignored reported value estimated by extrapolation from 2001 reported value of 88 percent.

2001: Estimated DTP3 greater than estimated DTP1; DTP1 estimate based on the relationship between DTP1 and DTP3 from 282 surveys.

2002: Reported data (94 percent) calibrated to 1997 and 2005 levels.

2003: Reported data (97 percent) calibrated to 1997 and 2005 levels.

2004: Reported data (99 percent) calibrated to 1997 and 2005 levels. Missing or ignored reported value estimated by interpolation between reported values of 97 percent in 2003 and 100 percent in 2005. 2004 reported data (103 percent) ignored; greater than 100 percent.

2005: Estimate based on reported data (99 percent) confirmed by survey (98 percent).

2006: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 100 percent in 2005 and 100 percent in 2007. Survey results of 100.0 percent with sample size 220 ignored; sample size less than 300. 2006 reported data (104 percent) ignored; greater than 100 percent.

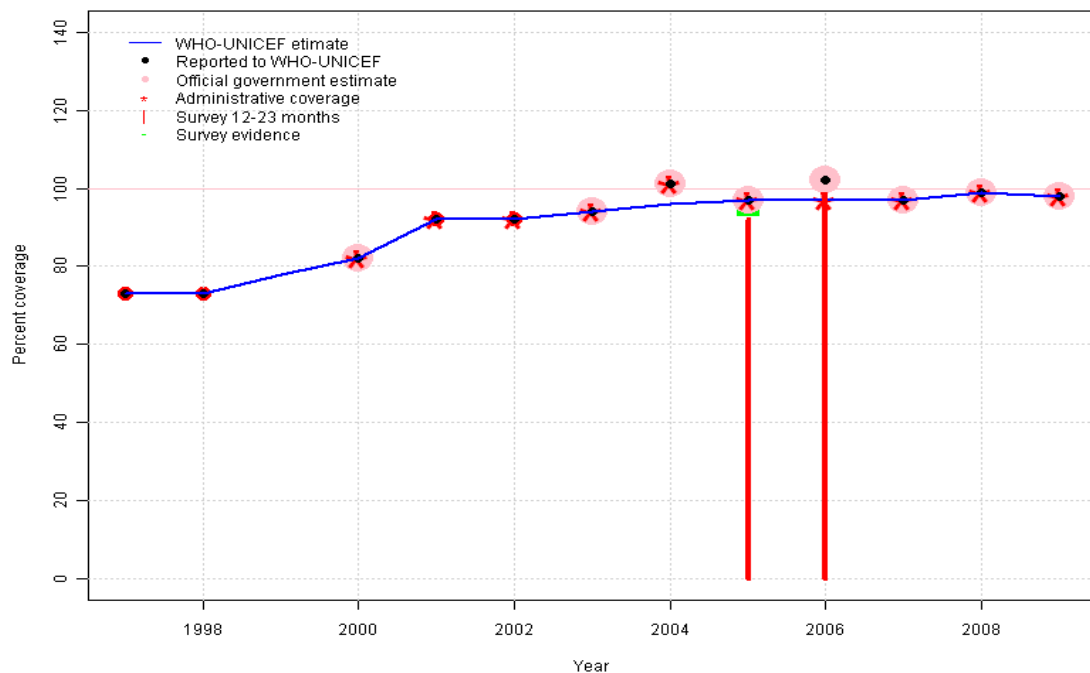
2007: Estimate based on reported data.

2008: Estimate based on reported data.

2009: Estimated DTP3 greater than estimated DTP1; DTP1 estimate based on the relationship between DTP1 and DTP3 from 282 surveys.

# Sao Tome and Principe - DTP3

STP - DTP3



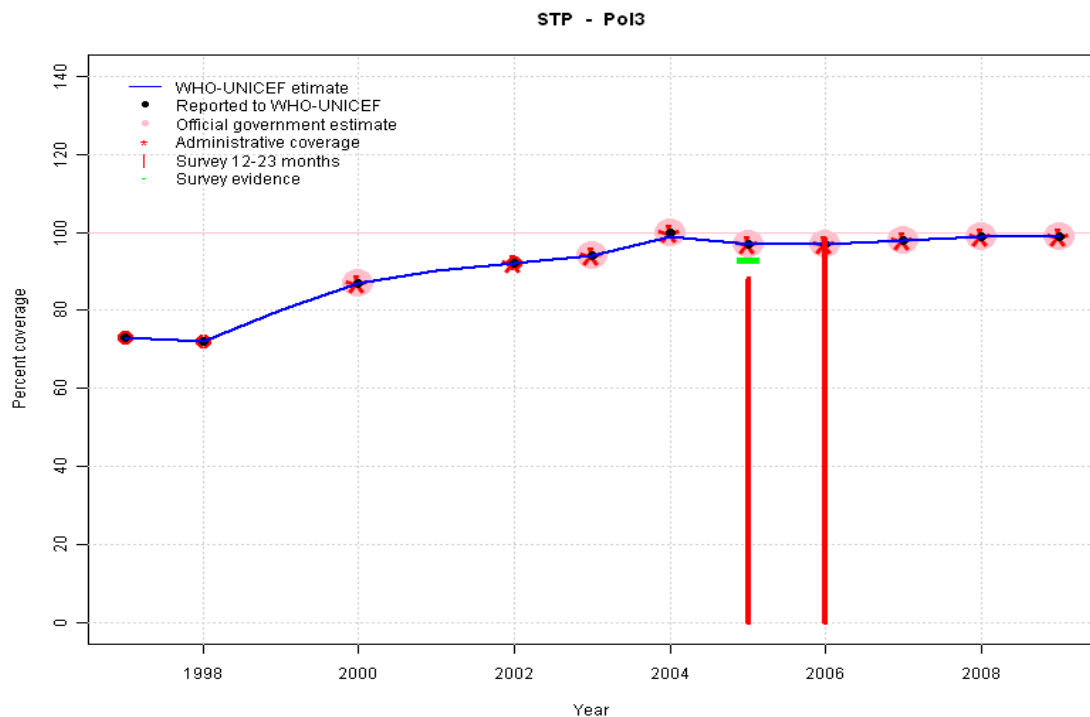
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	73	73	78	82	92	92	94	96	97	97	97	99	98
Reported	73	73	NA	82	92	92	94	101	97	102	97	99	98
Official	NA	NA	NA	82	NA	NA	94	101	97	102	97	99	98
Administrative	NA	NA	NA	82	92	92	94	101	97	97	97	99	98
Survey	NA	NA	NA	NA	NA	NA	NA	NA	94	NA	NA	NA	NA

## Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 73 percent in 1998 and 82 percent in 2000.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data.
- 2002: Estimate based on reported data.
- 2003: Estimate based on reported data.
- 2004: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 94 percent in 2003 and 97 percent in 2005. 2004 reported data (101 percent) ignored; greater than 100 percent.
- 2005: Estimate based on reported data (97 percent) confirmed by survey (94 percent). Survey results (92.1 percent) adjusted for recall bias to 94 percent based on first dose card or history coverage (97.9 percent) and documented drop-out between first (90.8 percent) and third (87.5 percent) doses.
- 2006: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 97 percent in 2005 and 97 percent in 2007. Survey results of 98.6 percent with sample size 220 ignored; sample size less than 300. 2006 reported data (102 percent) ignored; greater than 100 percent.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

# Sao Tome and Principe - Pol3

## Description:

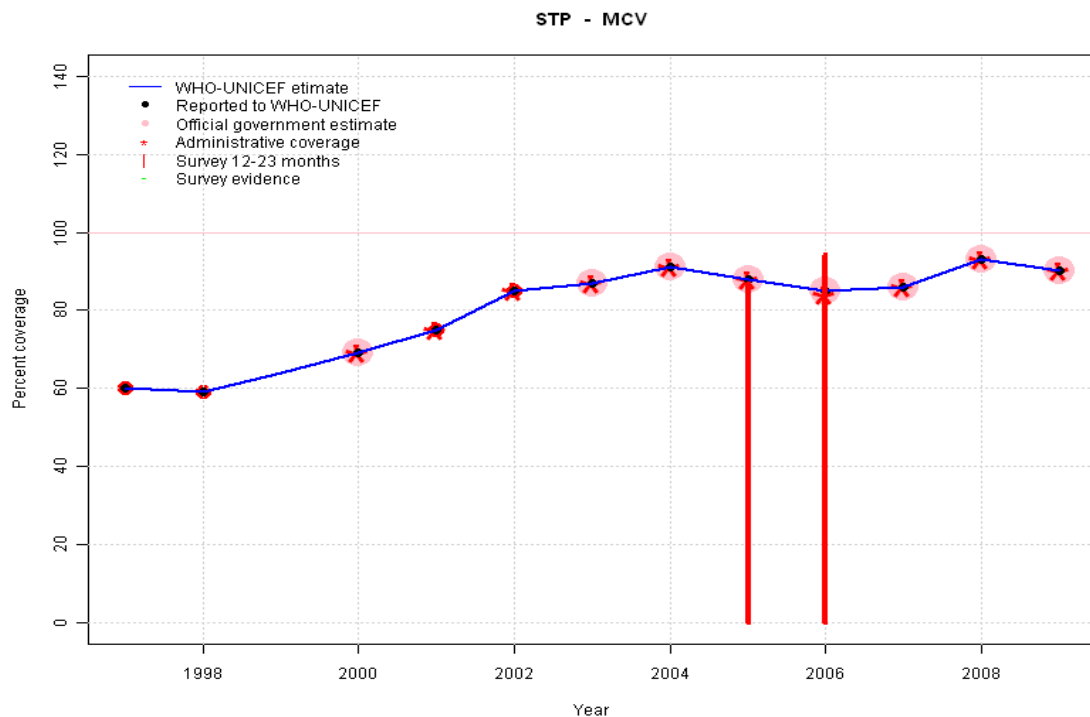


- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 72 percent in 1998 and 87 percent in 2000.
- 2000: Estimate based on reported data.
- 2001: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 87 percent in 2000 and 92 percent in 2002.
- 2002: Estimate based on reported data.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data (97 percent) confirmed by survey (93 percent). Survey results (88.1 percent) adjusted for recall bias to 93 percent based on first dose card or history coverage (97.1 percent) and documented drop-out between first (90.9 percent) and third (87.5 percent) doses.
- 2006: Estimate based on reported data. Survey results of 98.2 percent with sample size 220 ignored; sample size less than 300.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	73	72	80	87	90	92	94	99	97	97	98	99	99
Reported	73	72	NA	87	NA	92	94	100	97	97	98	99	99
Official	NA	NA	NA	87	NA	NA	94	100	97	97	98	99	99
Administrative	NA	NA	NA	87	NA	92	94	100	97	97	98	99	99
Survey	NA	NA	NA	NA	NA	NA	NA	NA	93	NA	NA	NA	NA

# Sao Tome and Principe - MCV

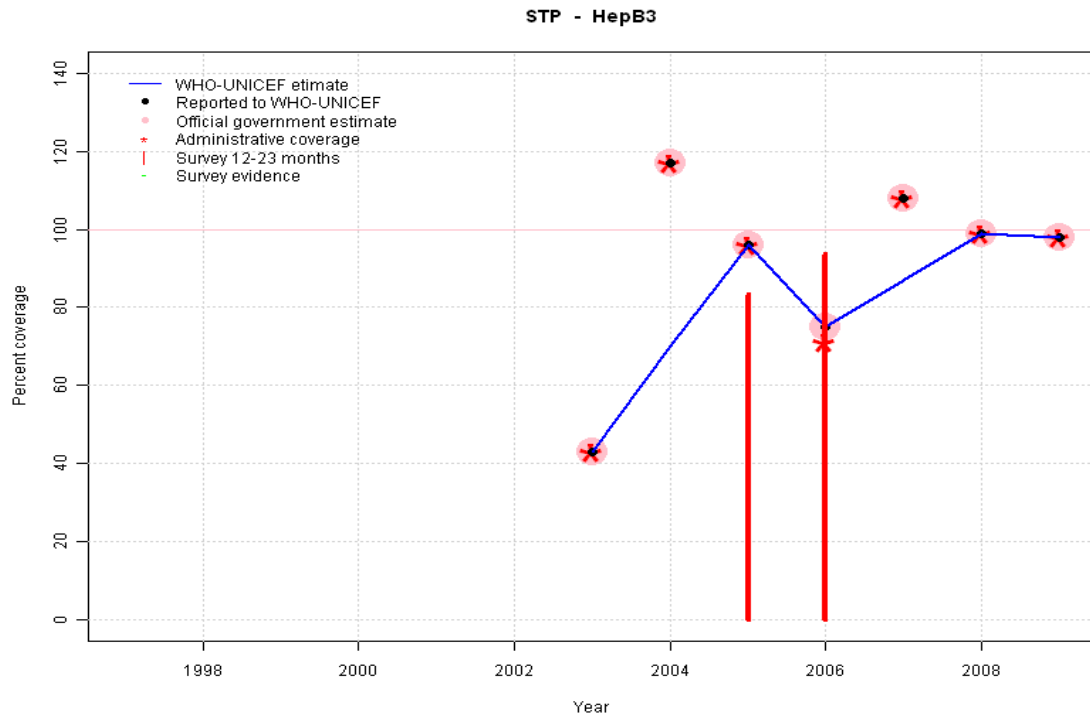
## Description:



- 1997: Legacy estimate.  
 1998: Estimate based on reported data.  
 1999: Estimate based on trend in reported data. Missing or ignored reported value estimated by interpolation between reported values of 59 percent in 1998 and 69 percent in 2000.  
 2000: Estimate based on reported data.  
 2001: Estimate based on reported data.  
 2002: Estimate based on reported data.  
 2003: Estimate based on reported data.  
 2004: Estimate based on reported data.  
 2005: Estimate based on reported data (88 percent) confirmed by survey (87 percent).  
 2006: Estimate based on reported data. Survey results of 94.5 percent with sample size 220 ignored; sample size less than 300.  
 2007: Estimate based on reported data.  
 2008: Estimate based on reported data.  
 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	60	59	64	69	75	85	87	91	88	85	86	93	90
Reported	60	59	NA	69	75	85	87	91	88	85	86	93	90
Official	NA	NA	NA	69	NA	NA	87	91	88	85	86	93	90
Administrative	NA	NA	NA	69	75	85	87	91	88	84	86	93	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	87	NA	NA	NA	NA

# Sao Tome and Principe - HepB3

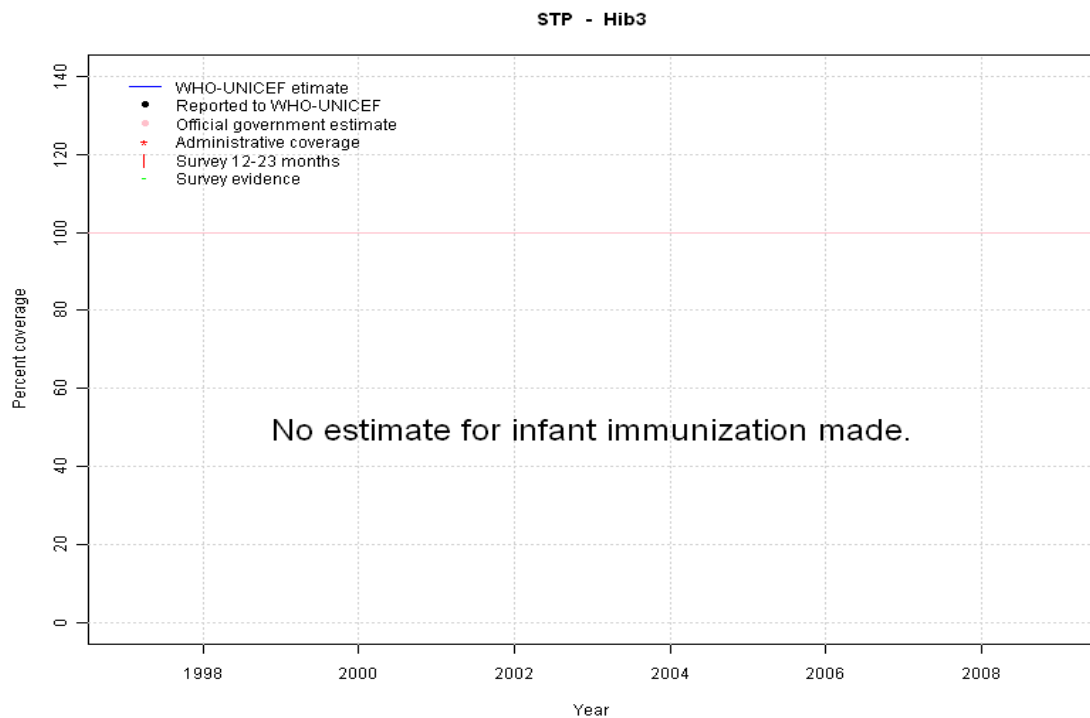


## Description:

- 2003: Estimate based on reported data. HepB introduced in 2003
- 2004: Estimate based on reported data. Missing or ignored reported value estimated by interpolation between reported values of 43 percent in 2003 and 96 percent in 2005. 2004 reported data (117 percent) ignored; greater than 100 percent. 2004 reported data (117 percent) inconsistent with data from other years.
- 2005: Estimate based on reported data. Survey results of 83.2 percent ignored by working group. Survey supports reported data for all other antigens.
- 2006: Estimate based on reported data. Survey results of 93.6 percent with sample size 220 ignored; sample size less than 300. Decline is due to eight months vaccine stock out.
- 2007: Estimate based on reported data. Missing or ignored reported value estimated by interpolation between reported values of 75 percent in 2006 and 99 percent in 2008. 2007 reported data (108 percent) ignored; greater than 100 percent.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

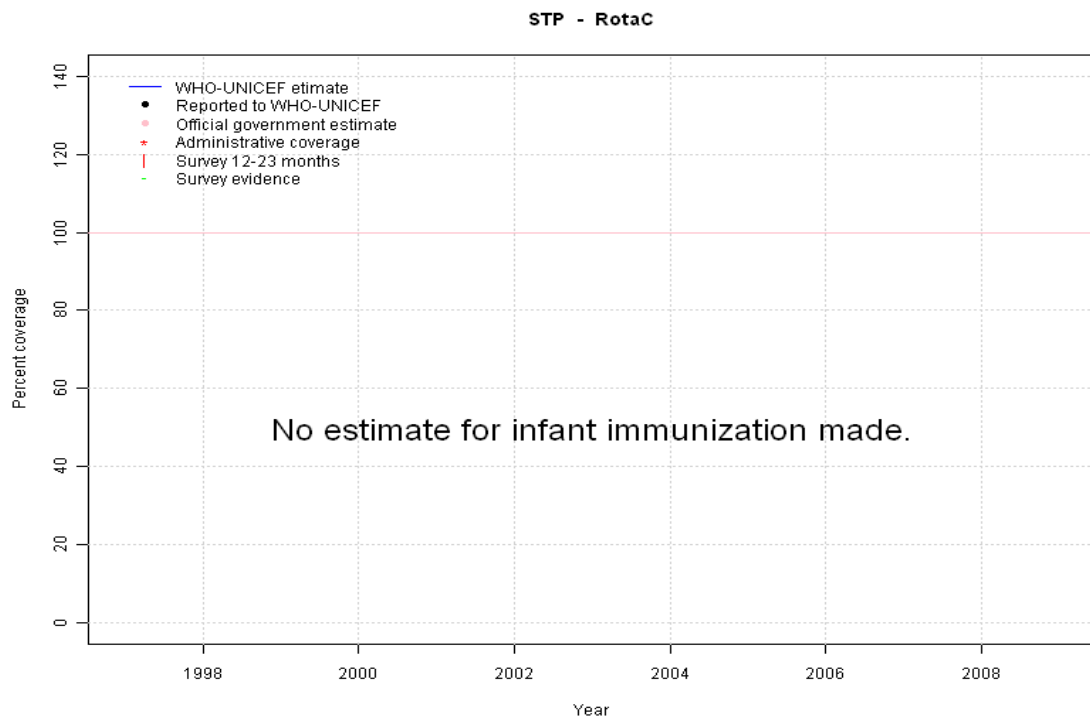
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	43	70	96	75	87	99	98
Reported	NA	NA	NA	NA	NA	NA	43	117	96	75	108	99	98
Official	NA	NA	NA	NA	NA	NA	43	117	96	75	108	99	98
Administrative	NA	NA	NA	NA	NA	NA	43	117	96	71	108	99	98
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

# Sao Tome and Principe - Hib3



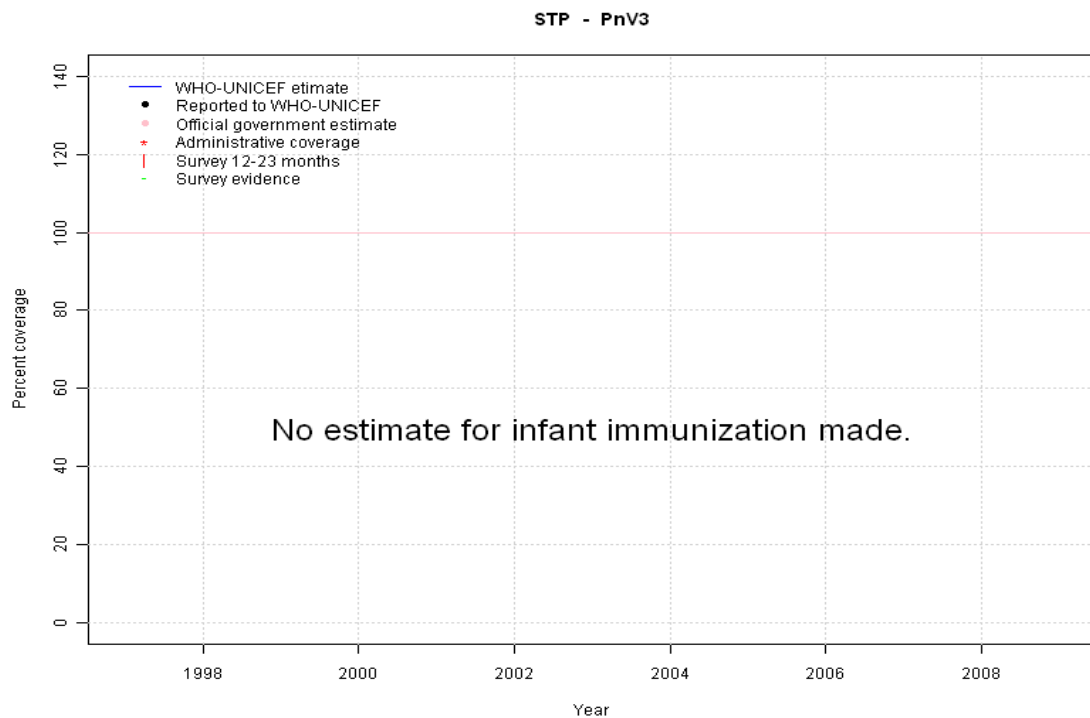
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

# Sao Tome and Principe - RotaC



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

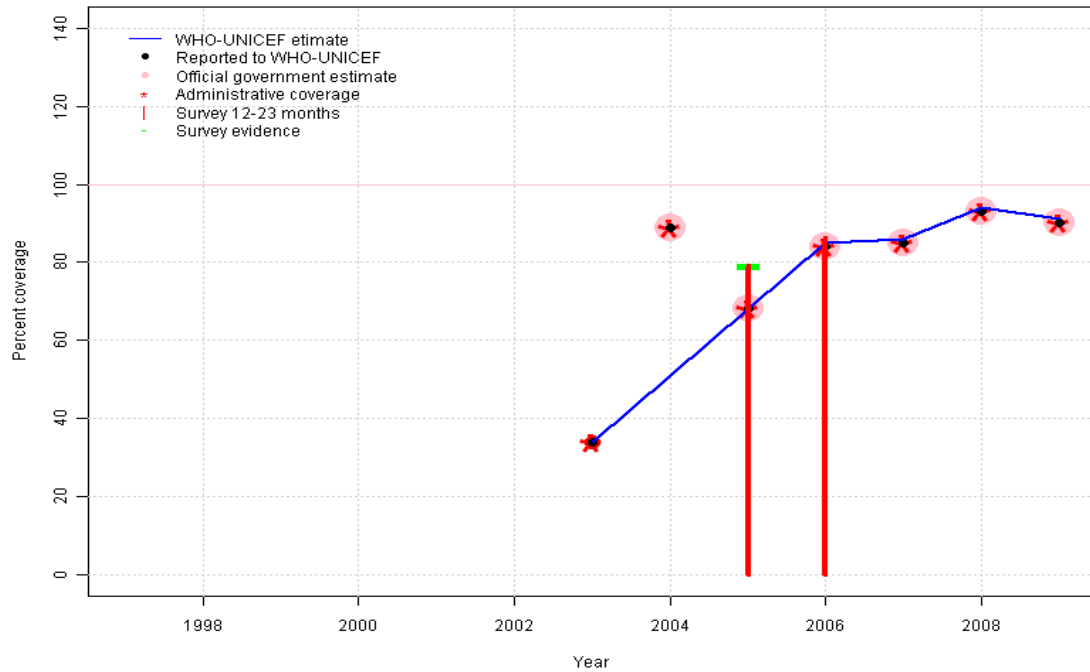
# Sao Tome and Principe - PnV3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

# Sao Tome and Principe - YFV

STP - YFV



## Description:

- 2003: Estimate is based on reported data. YFV introduced in 2003
- 2004: Reported data (51 percent) calibrated to 2003 and 2005 levels. Missing or ignored reported value estimated by interpolation between reported values of 34 percent in 2003 and 84 percent in 2006. 2004 reported data (89 percent) inconsistent with data from other years.
- 2005: Survey supports reported. 2005 reported data (68 percent) inconsistent with data from other years.
- 2006: Reported data (84 percent) calibrated to 2005 level (68 percent). Survey results of 86.4 percent with sample size 220 ignored; sample size less than 300.
- 2007: Reported data (85 percent) calibrated to 2005 level (68 percent).
- 2008: Reported data (93 percent) calibrated to 2005 level (68 percent).
- 2009: Reported data (90 percent) calibrated to 2005 level (68 percent).

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	34	51	68	85	86	94	91
Reported	NA	NA	NA	NA	NA	NA	34	89	68	84	85	93	90
Official	NA	NA	NA	NA	NA	NA	NA	89	68	84	85	93	90
Administrative	NA	NA	NA	NA	NA	NA	34	89	68	84	85	93	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	79	NA	NA	NA	NA

# Sao Tome and Principe - survey details

## 2006 Enquête nationale de couverture vaccinale 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	98.6	12-23 m	220	97
BCG	Card or History	99.5	12-23 m	220	97
DTP1	Card	97.3	12-23 m	220	97
DTP1	Card or History	100	12-23 m	220	97
DTP3	Card	95.9	12-23 m	220	97
DTP3	Card or History	98.6	12-23 m	220	97
HepB1	Card or History	99.5	12-23 m	220	97
HepB1	Card	96.8	12-23 m	220	97
HepB3	Card or History	93.6	12-23 m	220	97
HepB3	Card	91.4	12-23 m	220	97
MCV	Card	91.8	12-23 m	220	97
MCV	Card or History	94.5	12-23 m	220	97
Pol1	Card	97.3	12-23 m	220	97
Pol1	Card or History	100	12-23 m	220	97
Pol3	Card	95.5	12-23 m	220	97
Pol3	Card or History	98.2	12-23 m	220	97
YFV	Card	83.6	12-23 m	220	97
YFV	Card or History	86.4	12-23 m	220	97

## 2005 The 2006 São Tomé e Príncipe Multiple Indicator Cluster Survey: Final Report

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	98.1	12-23 m	673	91
BCG	History	7.5	12-23 m	673	91
BCG	Card	90.8	12-23 m	673	91
BCG	Card or History	98.2	12-23 m	673	91
DTP1	C or H <12 months	97.9	12-23 m	673	91
DTP1	Card	90.8	12-23 m	673	91
DTP1	Card or History	97.9	12-23 m	673	91
DTP1	History	7.2	12-23 m	673	91
DTP3	Card or History	92.1	12-23 m	673	91
DTP3	History	4.7	12-23 m	673	91
DTP3	Card	87.5	12-23 m	673	91

DTP3	C or H <12 months	91.4	12-23 m	673	91
HepB1	History	0	12-23 m	673	91
HepB1	C or H <12 months	87.6	12-23 m	673	91
HepB1	Card	88	12-23 m	673	91
HepB1	Card or History	88	12-23 m	673	91
HepB3	History	0	12-23 m	673	91
HepB3	Card or History	83.2	12-23 m	673	91
HepB3	Card	83.2	12-23 m	673	91
HepB3	C or H <12 months	82.9	12-23 m	673	91
MCV	History	6.8	12-23 m	673	91
MCV	Card	80	12-23 m	673	91
MCV	Card or History	86.9	12-23 m	673	91
MCV	C or H <12 months	83.4	12-23 m	673	91
Pol1	C or H <12 months	97	12-23 m	673	91
Pol1	Card	90.9	12-23 m	673	91
Pol1	Card or History	97.1	12-23 m	673	91
Pol1	History	6.2	12-23 m	673	91
Pol3	Card or History	88.1	12-23 m	673	91
Pol3	History	0.6	12-23 m	673	91
Pol3	Card	87.5	12-23 m	673	91
Pol3	C or H <12 months	87.4	12-23 m	673	91
YFV	Card	73.9	12-23 m	673	91
YFV	Card or History	79.3	12-23 m	673	91
YFV	History	5.4	12-23 m	673	91
YFV	C or H <12 months	76.9	12-23 m	673	91

## 1999 Sao Tome and Principe Enquête de grappes à indicateurs multiples MICS, Rapport d'analyse, 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card <12 months	99	12-23 m	0	84
DTP1	Card <12 months	97	12-23 m	0	84
DTP3	Card <12 months	94	12-23 m	0	84
MCV	Card <12 months	89	12-23 m	0	84
Pol1	Card <12 months	99	12-23 m	0	84
Pol3	Card <12 months	92	12-23 m	0	84

# Sao Tome and Principe - survey details

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Further information and estimates for 1980-1996 are available at:

[http://www.childinfo.org/immunization\\_countryreports.html](http://www.childinfo.org/immunization_countryreports.html)

[http://www.who.int/immunization\\_monitoring/routine/immunization\\_coverage/en/index4.html](http://www.who.int/immunization_monitoring/routine/immunization_coverage/en/index4.html)