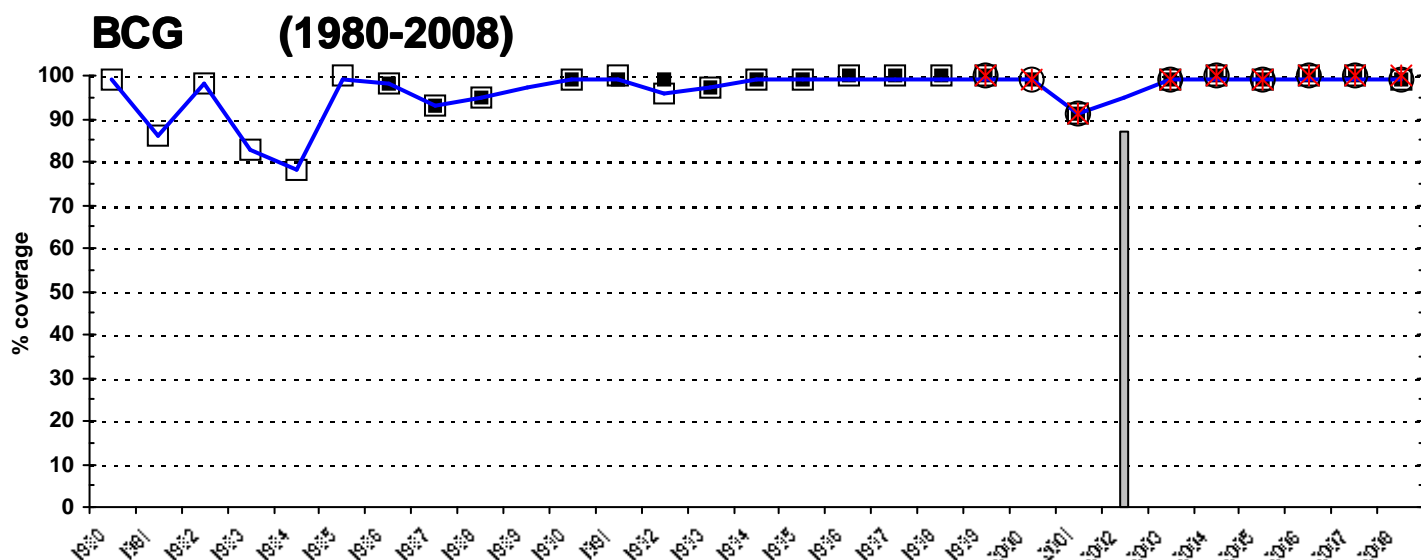


**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Tonga

July, 2009

Tonga



Description of trend

Estimated immunization coverage levels are based on reported data confirmed by 2003 evaluation 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	99	99					
1981	86	86					
1982	98	98					
1983	83	83					
1984	78	78					
1985	99	100					
1986	98	98	98				
1987	93	93	93				
1988	95	95	95				
1989	97						
1990	99	99	99				
1991	99	100	99				
1992	96	96	99				
1993	97	97	97				
1994	99	99	99				
1995	99	99	99				
1996	99	100	100				
1997	99	100	100				
1998	99	100	100				
1999	99	100	100	100	100		
2000	99		99	99	99		
2001	91	91	91	91	91		
2002	95					87	
2003	99	99	99	99	99		
2004	99	100	100	100	100		
2005	99	99	99	99	99		
2006	99	100	100	100	100		
2007	99	100	100	100	100		
2008	99	99	99	99	100		

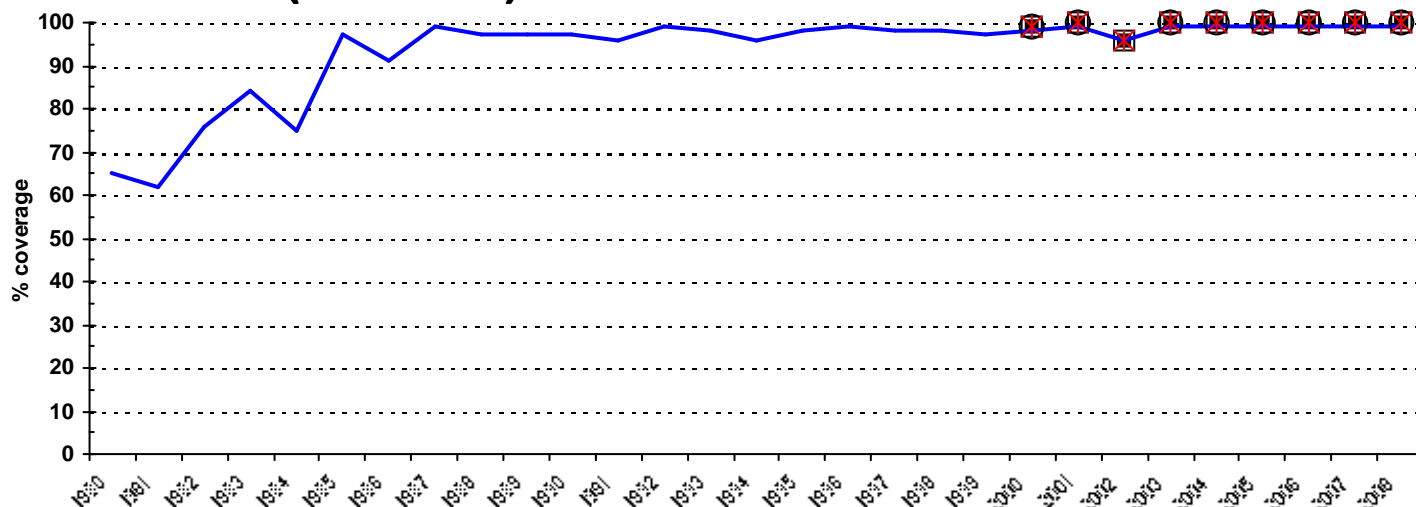
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Tonga

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 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	65						
1981	62						
1982	76						
1983	84						
1984	75						
1985	97						
1986	91						
1987	99						
1988	97						
1989	97						
1990	97						
1991	96						
1992	99						
1993	98						
1994	96						
1995	98						
1996	99						
1997	98						
1998	98						
1999	97						
2000	98	99	99	99	99		
2001	99	100	100	100	100		
2002	96	96	96		96		
2003	99	100	100	100	100		
2004	99	100	100	100	100		
2005	99	100	100	100	100		
2006	99	100	100	100	100		
2007	99	100	100	100	100		
2008	99	100	100	100	100		

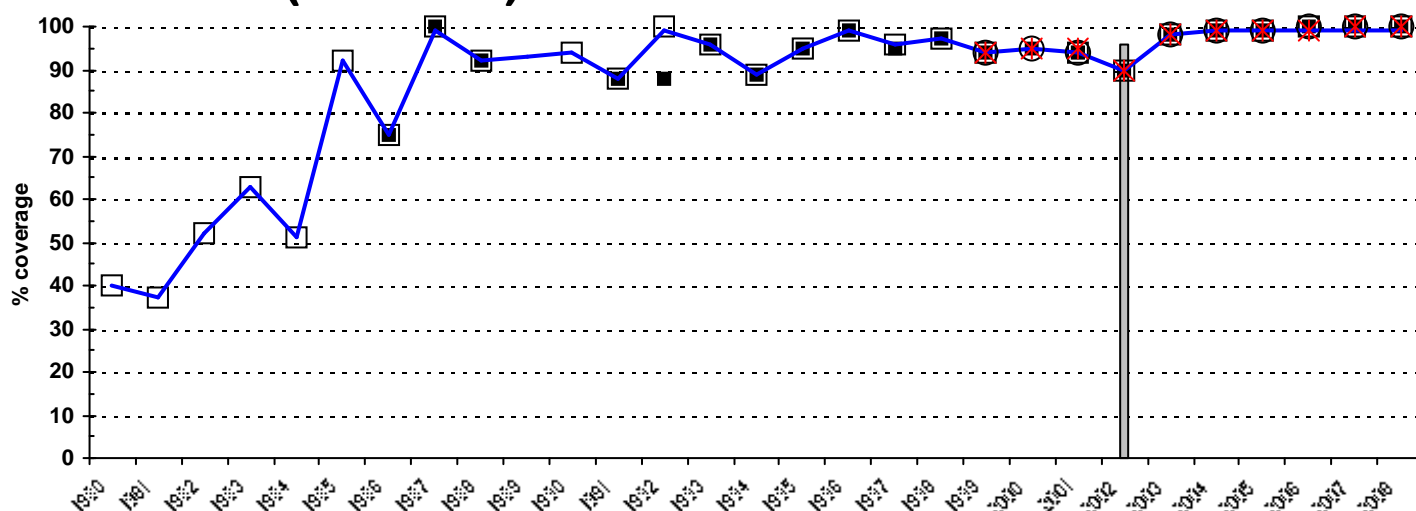
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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

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Tonga

DTP3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data confirmed by 2003 evaluation 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	40	40					
1981	37	37					
1982	52	52					
1983	63	63					
1984	51	51					
1985	92	92					
1986	75	75	75				
1987	99	100	100				
1988	92	92	92				
1989	93						
1990	94	94					
1991	88	88	88				
1992	99	100	88				
1993	96	96	96				
1994	89	89	89				
1995	95	95	95				
1996	99	99	99				
1997	96	96	95				
1998	97	97	97				
1999	94	94	94	94	94		
2000	95		95	95	95		
2001	94	94	94	94	95		
2002	90	90	90		90	96	
2003	98	98	98	98	98		
2004	99	99	99	99	99		
2005	99	99	99	99	99		
2006	99	100	100	100	99		
2007	99	100	100	100	100		
2008	99	100	100	100	100		

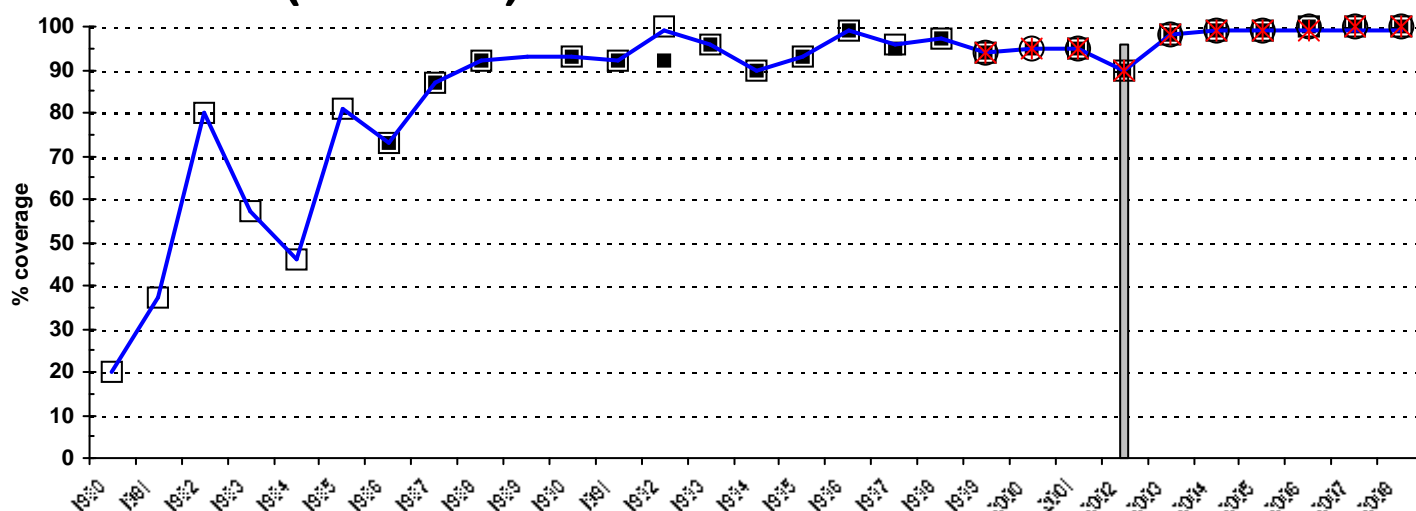
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Tonga

Pol3 (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data confirmed by 2003 evaluation 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	20	20					
1981	37	37					
1982	80	80					
1983	57	57					
1984	46	46					
1985	81	81					
1986	73	73	73				
1987	87	87	87				
1988	92	92	92				
1989	93						
1990	93	93	93				
1991	92	92	92				
1992	99	100	92				
1993	96	96	96				
1994	90	90	90				
1995	93	93	93				
1996	99	99	99				
1997	96	96	95				
1998	97	97	97				
1999	94	94	94	94	94		
2000	95		95	95	95		
2001	95	95	95	95	95		
2002	90	90	90		90	96	
2003	98	98	98	98	98		
2004	99	99	99	99	99		
2005	99	99	99	99	99		
2006	99	100	100	100	99		
2007	99	100	100	100	100		
2008	99	100	100	100	100		

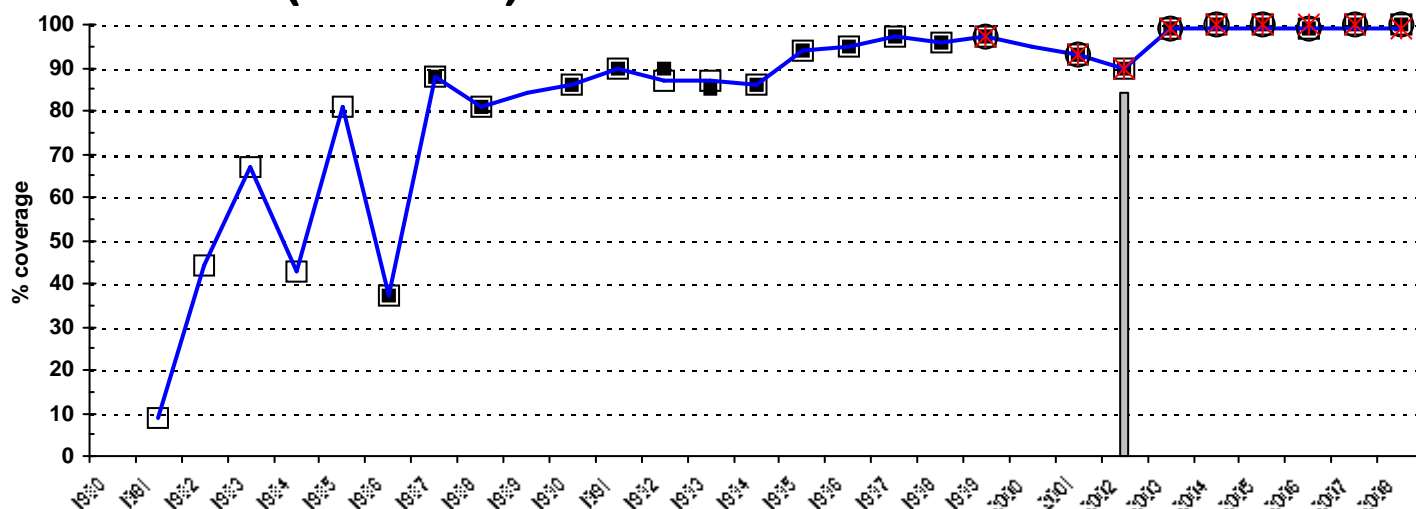
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Tonga

MCV (1980-2008)



Description of trend

Estimated immunization coverage levels are based on reported data confirmed by 2003 evaluation 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	9	9					
1981	44	44					
1982	67	67					
1983	43	43					
1984	81	81					
1985	37	37	37				
1986	88	88	88				
1987	81	81	81				
1988	84						
1989	86	86	86				
1990	90	90	90				
1991	87	87	90				
1992	87	87	85				
1993	86	86	86				
1994	94	94	94				
1995	95	95	95				
1996	97	97	97				
1997	96	96	96				
1998	97	97	97	97	97		
1999	95						
2000	93	93	93	93	93		
2001	90	90	90		90	84	
2002	99	99	99	99	99		
2003	99	100	100	100	100		
2004	99	100	100	100	100		
2005	99	99	99	99	100		
2006	99	100	100	100	100		
2007	99	100	100	100	100		
2008	99	100	100	100	99		

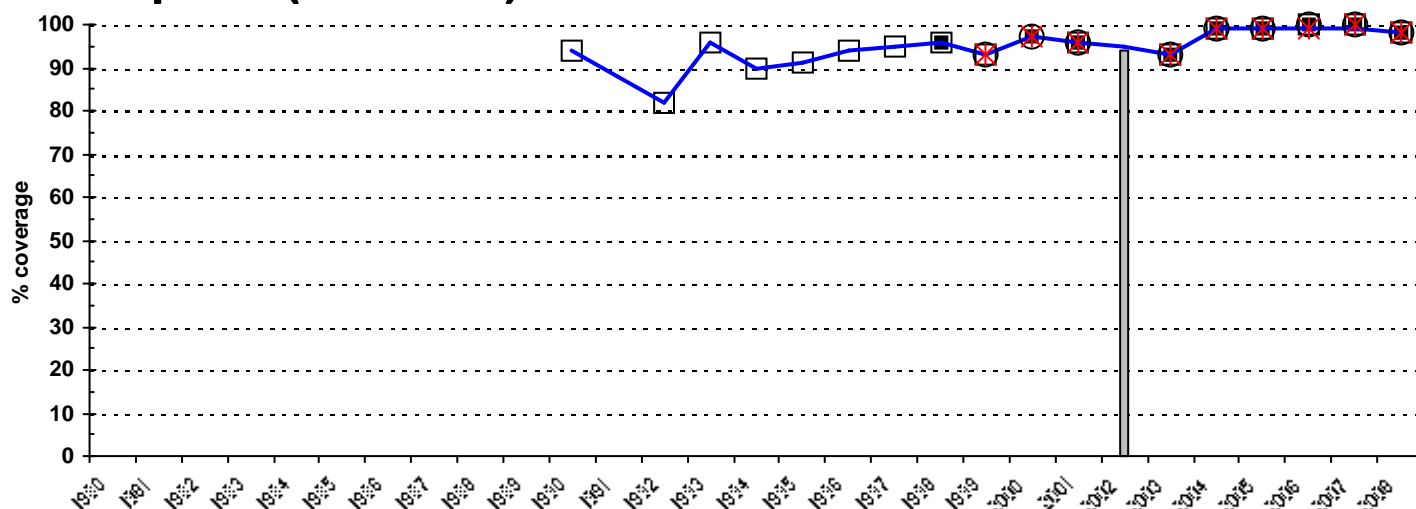
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Tonga

HepB3 (1980-2008)



Description of trend

Monovalent HepB vaccine introduced in 1988. Estimated immunization coverage levels are based on reported data confirmed by 2003 evalu 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	94	94					
1991	88						
1992	82	82					
1993	96	96					
1994	90	90					
1995	91	91					
1996	94	94					
1997	95	95					
1998	96	96	96				
1999	93	93		93	93		
2000	97		97	97	97		
2001	96	96	96	96	96		
2002	95					94	
2003	93	93	93	93	93		
2004	99	99	99	99	99		
2005	99	99	99	99	99		
2006	99	100	100	100	99		
2007	99	100	100	100	100		
2008	98	98	98	98	98		

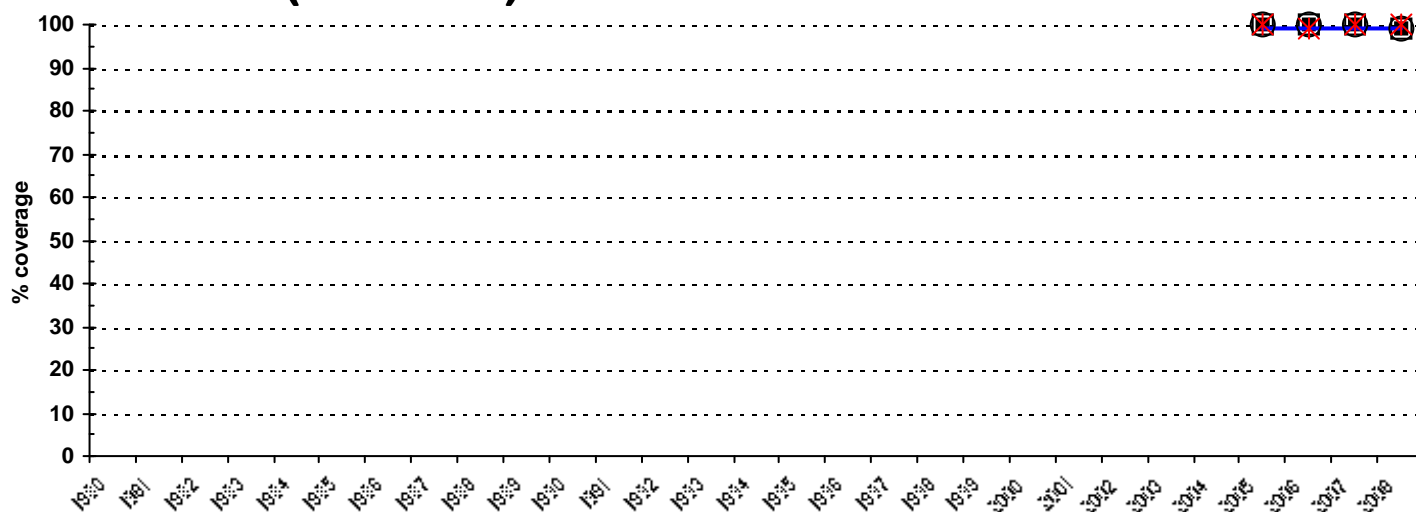
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Tonga

Hib3 (1980-2008)



Description of trend

DTP-Hib combination vaccine introduced in 2005. 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							
1990							
1991							
1992							
1993							
1994							
1995							
1996							
1997							
1998							
1999							
2000							
2001							
2002							
2003							
2004							
2005	99	100	100	100	100		
2006	99	100	100	100	99		
2007	99	100	100	100	100		
2008	99	99	99	99	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.

Tonga

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
2002 Evaluation of Immunization Program of the Kingdom of Tonga, 2003								
BCG	Card or History	87		12-23 m	114		2002	
DTP1	Card or History			12-23 m	114		2002	
DTP3	Card or History	96		12-23 m	114		2002	
Pol3	Card or History	96		12-23 m	114		2002	
MCV	Card or History	84		12-23 m	114		2002	
HepB	Card or History	94		12-23 m	114		2002	

