

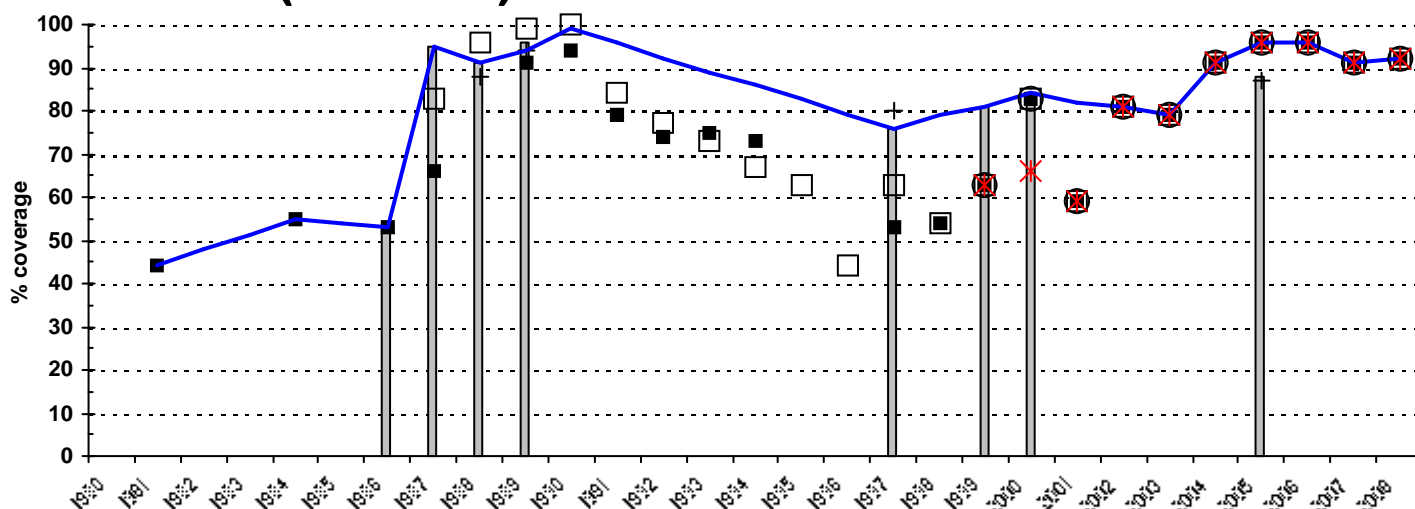
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Togo

July, 2009

Togo

BCG (1980-2008)



Description of trend

Estimates between 1986 and 2001 are based on survey data. Estimates since 2002 are based on national estimates. A 2004 data quality audit confirms accuracy of national reporting system.

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	44		44				
1982	48						
1983	51						
1984	55		55				
1985	54						
1986	53		53			53	
1987	95	83	66			95	
1988	91	96				91	88
1989	94	99	91			96	94
1990	99	100	94				
1991	96	84	79				
1992	92	77	74				
1993	89	73	75				
1994	86	67	73				
1995	83	63					
1996	79	44					
1997	76	63	53			76	80
1998	79	54	54				
1999	81	63	63	63	63	81	
2000	84	83	83	83	66	84	
2001	82	59	59	59	59		
2002	81	81	81	81	81		
2003	79	79	79	79	79		
2004	91	91	91	91	91		
2005	96	96	96	96	96	88	87
2006	96	96	96	96	96		
2007	91	91	91	91	91		
2008	92	92	92	92	92		

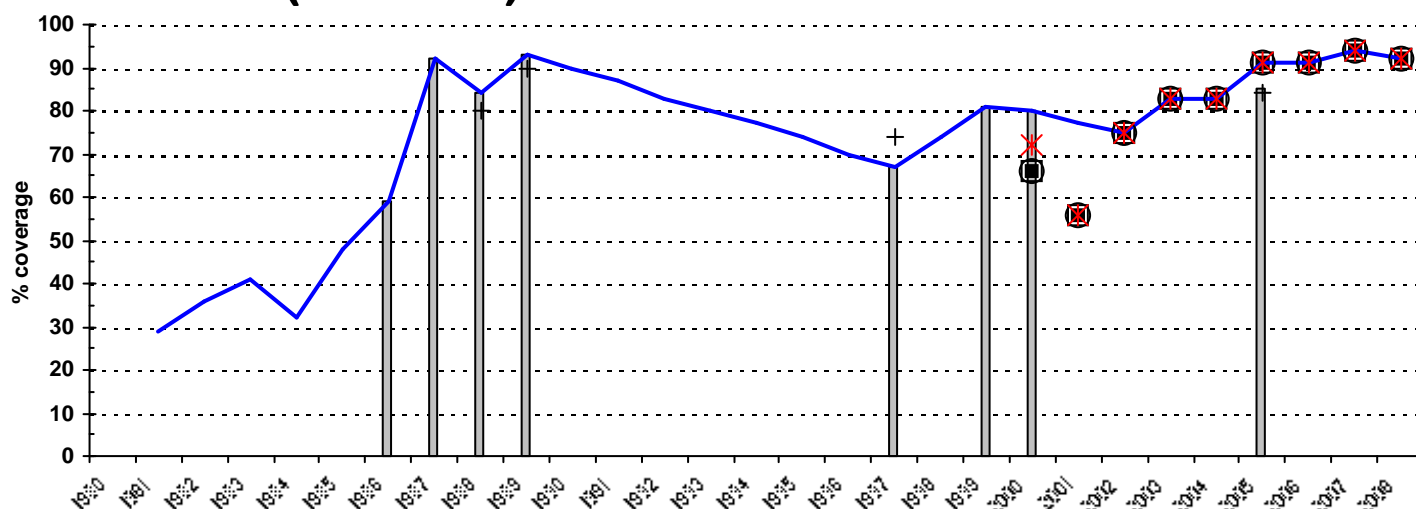
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

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 1986 to 2001 are based on survey data. For years prior to 1986 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	29						
1982	36						
1983	41						
1984	32						
1985	48						
1986	59					59	
1987	92					92	
1988	84					84	80
1989	93					93	90
1990	90						
1991	87						
1992	83						
1993	80						
1994	77						
1995	74						
1996	70						
1997	67					67	74
1998	74						
1999	81					81	
2000	80	66	66	66	72	80	
2001	77	56	56	56	56		
2002	75	75	75	75	75		
2003	83	83	83	83	83		
2004	83	83	83	83	83		
2005	91	91	91	91	91	85	84
2006	91	91	91	91	91		
2007	94	94	94	94	94		
2008	92	92	92	92	92		

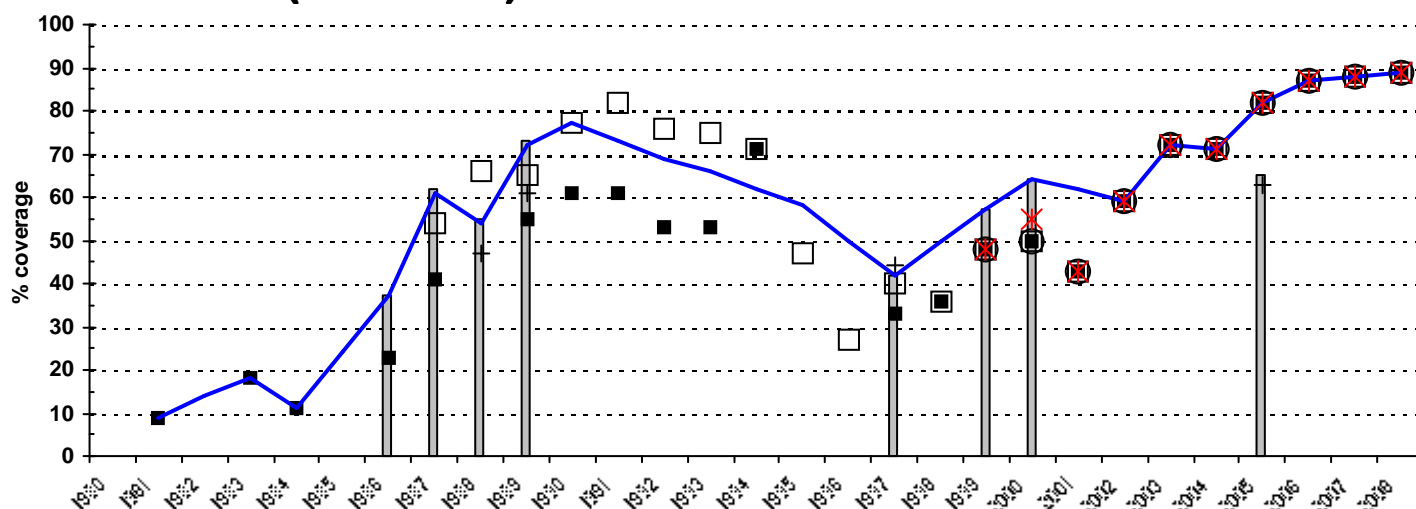
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

DTP3 (1980-2008)



Description of trend

Estimates between 1986 and 2001 are based on survey data. Estimates since 2002 are based on national estimates. A 2004 data quality audit confirms accuracy of national reporting system. The differences between 2005 survey results and reported data are likely due to a vaccine stock out in early 2005.

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	9		9				
1982	14						
1983	18		18				
1984	11		11				
1985	24						
1986	37		23			37	
1987	61	54	41			62	
1988	54	66				55	47
1989	72	65	55			73	61
1990	77	77	61				
1991	73	82	61				
1992	69	76	53				
1993	66	75	53				
1994	62	71	71				
1995	58	47					
1996	50	27					
1997	42	40	33			42	44
1998	50	36	36				
1999	57	48	48	48	48	57	
2000	64	50	50	50	55	64	
2001	62	43	43	43	43		
2002	59	59	59	59	59		
2003	72	72	72	72	72		
2004	71	71	71	71	71		
2005	82	82	82	82	82	65	63
2006	87	87	87	87	87		
2007	88	88	88	88	88		
2008	89	89	89	89	89		

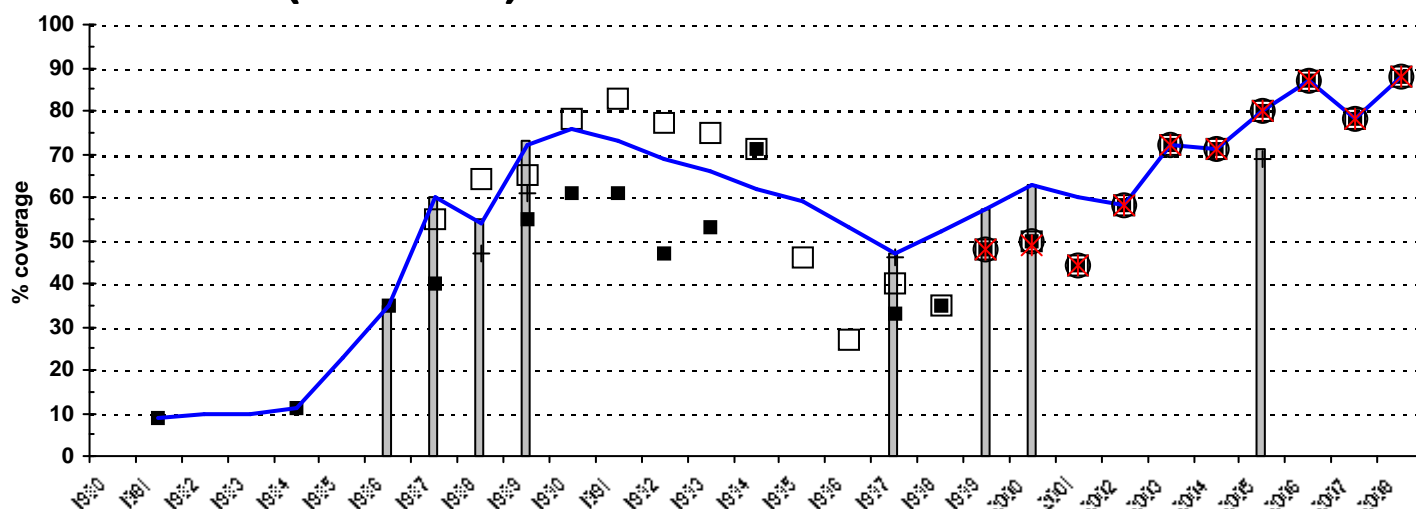
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

Pol3 (1980-2008)



Description of trend

Estimates between 1986 and 2001 are based on survey data. Estimates since 2002 are based on national estimates. A 2004 data quality audit confirms accuracy of national reporting system.

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	9		9				
1982	10						
1983	10						
1984	11		11				
1985	23						
1986	35		35			35	
1987	60	55	40			60	
1988	54	64				55	47
1989	72	65	55			73	61
1990	76	78	61				
1991	73	83	61				
1992	69	77	47				
1993	66	75	53				
1994	62	71	71				
1995	59	46					
1996	53	27					
1997	47	40	33			47	46
1998	52	35	35				
1999	57	48	48	48	48	57	
2000	63	50	50	50	49	63	
2001	60	44	44	44	44		
2002	58	58	58	58	58		
2003	72	72	72	72	72		
2004	71	71	71	71	71		
2005	80	80	80	80	80	71	69
2006	87	87	87	87	87		
2007	78	78	78	78	78		
2008	88	88	88	88	88		

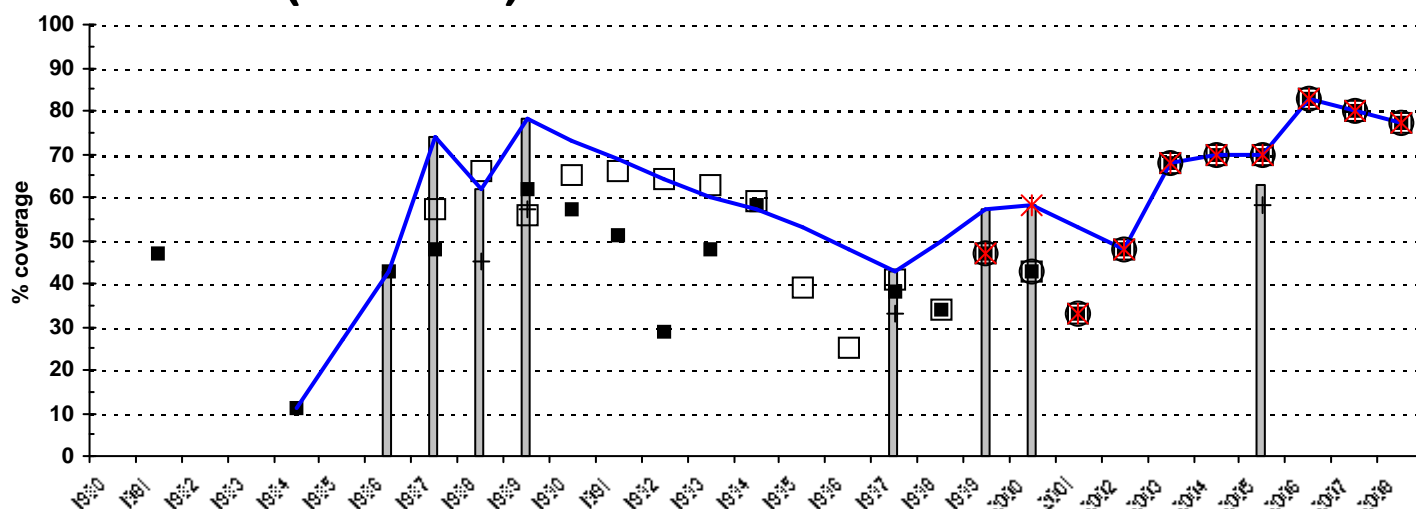
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

MCV (1980-2008)



Description of trend

Estimates between 1986 and 2001 are based on survey data. Estimates since 2002 are based on national estimates. A 2004 data quality audit confirms accuracy of national reporting system.

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			47				
1982							
1983							
1984	11		11				
1985	27						
1986	43		43			43	
1987	74	57	48			74	
1988	62	66				62	45
1989	78	56	62			78	57
1990	73	65	57				
1991	69	66	51				
1992	64	64	29				
1993	60	63	48				
1994	57	59	58				
1995	53	39					
1996	48	25					
1997	43	41	38				
1998	50	34	34			43	33
1999	57	47	47	47	47	57	
2000	58	43	43	43	58	58	
2001	53	33	33	33	33		
2002	48	48	48	48	48		
2003	68	68	68	68	68		
2004	70	70	70	70	70		
2005	70	70	70	70	70	63	58
2006	83	83	83	83	83		
2007	80	80	80	80	80		
2008	77	77	77	77	77		

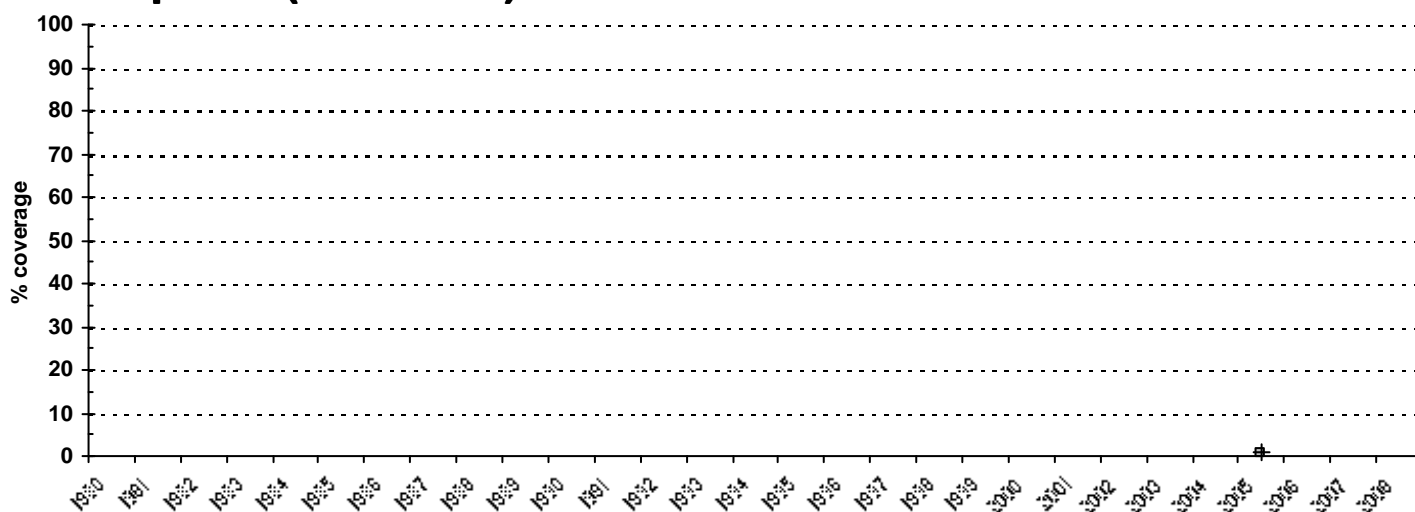
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

HepB3 (1980-2008)



Description of trend

Pentavalent DTP-HepB-Hib combination vaccine was introduced in 2008.

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						2	1
2006							
2007							
2008	24						

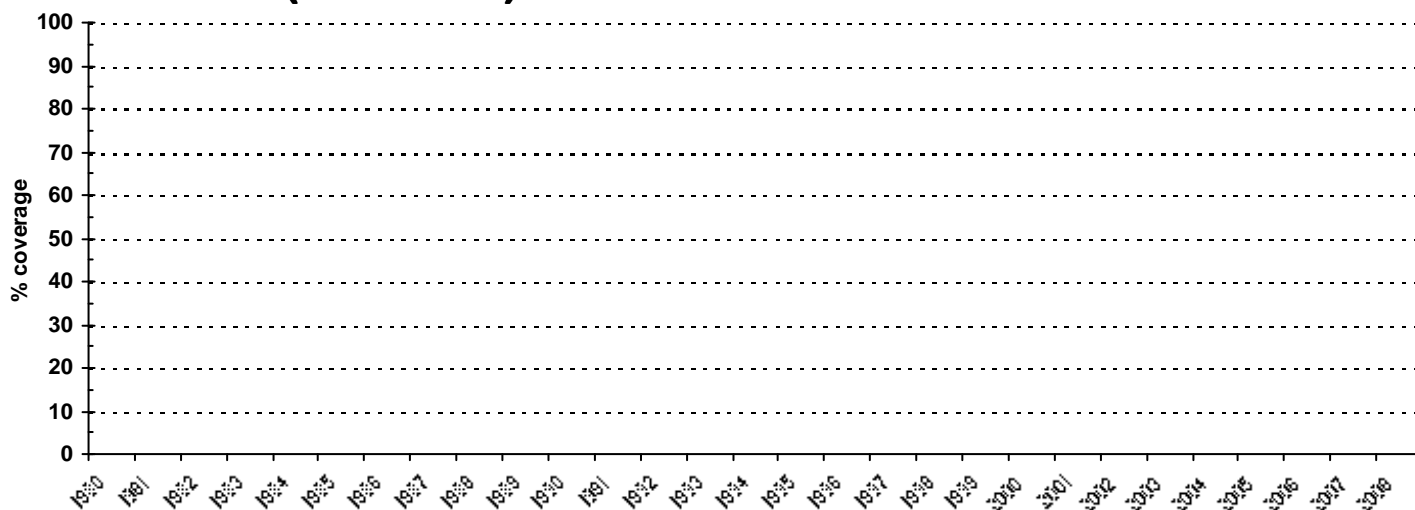
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Togo

Hib3 (1980-2008)



Description of trend

DPT-HepB-Hib combination introduced in latter half of 2008 reaching 48% coverage in 50% of the national target population.

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							
2006							
2007							
2008	24						

*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.

Togo

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
2005 Enquête par grappe à indicateurs multiples de Togo, 2006								
BCG	Card or History	88		12-23 m	888	70.4	2006	
BCG	C or H <12 month	86.6		12-23 m	888	70.4	2006	
DTP1	Card or History	85.2		12-23 m	888	70.4	2006	
DTP1	C or H <12 month	83.7		12-23 m	888	70.4	2006	
DTP3	Card or History	65		12-23 m	888	70.4	2006	
DTP3	C or H <12 month	63.2		12-23 m	888	70.4	2006	
Pol3	Card or History	70.6		12-23 m	888	70.4	2006	
Pol3	C or H <12 month	68.7		12-23 m	888	70.4	2006	
MCV	Card or History	63.1		12-23 m	888	70.4	2006	
MCV	C or H <12 month	57.7		12-23 m	888	70.4	2006	
HepB	Card or History	1.5		12-23 m	888	70.4	2006	
HepB	C or H <12 month	1.4		12-23 m	888	70.4	2006	
PAB	n.a.	71		CBAW	1627		2006	
2000 Togo, Revue Externe du Programme Elargi de Vaccination, Rapport Préliminaire, 2001								
BCG	Card or History	84		12-23 m	1308	79	2001	
DTP1	Card or History	80		12-23 m	1308	79	2001	
DTP3	Card or History	64		12-23 m	1308	79	2001	
Pol3	Card or History	63		12-23 m	1308	79	2001	
MCV	Card or History	58		12-23 m	1308	79	2001	
1999 Togo MICS 2000								
BCG	Card or History	81.4		12-23 m	638	65.5	2000	
DTP1	Card or History	81.4		12-23 m	638	65.5	2000	
DTP3	Card or History	56.6		12-23 m	638	65.5	2000	
Pol3	Card or History	57.2		12-23 m	638	65.5	2000	
MCV	Card or History	56.7		12-23 m	638	65.5	2000	
1997 Enquête Démographique et de Santé Togo 1998, 1999								
BCG	Card or History	75.7		12-23 m	1134	58.4	1998	
BCG	C or H <12 month	73		12-23 m	1134	58.4	1998	
BCG	C or H <12 month	80.1		24-35 m	1190	56.1	1998	
DTP1	Card or History	66.7		12-23 m	1134	58.4	1998	
DTP1	C or H <12 month	63.6		12-23 m	1134	58.4	1998	
DTP1	C or H <12 month	73.8		24-35 m	1190	56.1	1998	
DTP3	Card or History	42		12-23 m	1134	58.4	1998	
DTP3	C or H <12 month	36.5		12-23 m	1134	58.4	1998	
DTP3	C or H <12 month	44.2		24-35 m	1190	56.1	1998	
Pol3	Card or History	46.6		12-23 m	1134	58.4	1998	
Pol3	C or H <12 month	40.8		12-23 m	1134	58.4	1998	
Pol3	C or H <12 month	45.8		24-35 m	1190	56.1	1998	
MCV	Card or History	42.6		12-23 m	1134	58.4	1998	
MCV	C or H <12 month	31.8		12-23 m	1134	58.4	1998	
MCV	C or H <12 month	32.8		24-35 m	1190	56.1	1998	
1995 Enquête Nationale sur la Situation des Enfants au Togo en 1995 (MICS-TOGO-96)								
PAB	Card or History	65		Women 15-49		73	1996	not sure if PAB

Togo

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
1989 Rapport d'Evaluation Nationale du Programme Elargi de Vaccination du Cout de l'Enfant Togolais Completent Vaccine du Programme de Lutte contre le Paludisme, 1991								
BCG	Card or History	96		12-23 m			1990	
BCG	C or H <12 month	94		12-23 m			1990	
DTP1	Card or History	93		12-23 m			1990	
DTP1	C or H <12 month	90		12-23 m			1990	
DTP3	Card or History	73		12-23 m			1990	
DTP3	C or H <12 month	61		12-23 m			1990	
Pol3	Card or History	73		12-23 m			1990	
Pol3	C or H <12 month	61		12-23 m			1990	
MCV	Card or History	78		12-23 m			1990	
MCV	C or H <12 month	57		12-23 m			1990	
1988 Rapport d'Evaluation Nationale du Programme Elargi de Vaccination du Cout de l'Enfant Togolais Completent Vaccine du Programme de Lutte contre le Paludisme, 1991								
BCG	Card or History	91		12-23 m			1989	
DTP1	Card or History	84		12-23 m			1989	
DTP3	Card or History	55		12-23 m			1989	
Pol3	Card or History	55		12-23 m			1989	
MCV	Card or History	62		12-23 m			1989	
1988 Rapport d'Evaluation Nationale du Programme Elargi de Vaccination du Programme de Lutte contre les Maladies Diarrihiques et du Programme de Lutte contre le Paludisme, 1989								
BCG	C or H <12 month	88		12-23 m			1989	
DTP1	C or H <12 month	80		12-23 m			1989	
DTP3	C or H <12 month	47		12-23 m			1989	
Pol3	C or H <12 month	47		12-23 m			1989	
MCV	C or H <12 month	45		12-23 m			1989	
1987 Evaluation Nationale P.E.V. Togo, 1988								
BCG	Card or History	95		12-23 m	1265	93.4	1988	
DTP1	Card or History	92.2		12-23 m	1265	93.4	1988	
DTP3	Card or History	61.7		12-23 m	1265	93.4	1988	
Pol3	Card or History	59.8		12-23 m	1265	93.4	1988	
MCV	Card or History	74.1		12-23 m	1265	93.4	1988	
1986 Rapport d'Evaluation Nationale du Programme Elargi de Vaccination du Cout de l'Enfant Togolais Completent Vaccine du Programme de Lutte contre le Paludisme, 1991								
BCG	Card or History	53		12-23 m			1987	
DTP1	Card or History	59		12-23 m			1987	
DTP3	Card or History	37		12-23 m			1987	
Pol3	Card or History	35		12-23 m			1987	
MCV	Card or History	43		12-23 m			1987	

Togo

WHO/UNICEF Estimates of Protection at Birth (PAB) against tetanus

In countries where tetanus is recommended for girls and women coverage is usually reported as "TT2+", i.e. the proportion of (pregnant) women who have received their second or superior TT dose in a given year. TT2 + coverage, however, can under-represent the actual proportion of births that are protected against tetanus as it does not include women who have previously received protective doses, women who received one dose without documentation of previous doses, and women who received doses in TT (or Td) supplemental immunization activities (SIA). In addition, girls who have received DTP in their childhood and are entering childbearing age, may be protected with TT booster doses.

WHO and UNICEF have developed a model that takes into account the above scenarios, and calculates the proportion of births in a given year that can be considered as having been protected against tetanus - "Protection at Birth".

In this model, annual cohorts of women are followed from infancy through their life. A proportion receive DTP in infancy (estimated based on the WHO-UNICEF estimates of DTP3 coverage). In addition some of these women also receive TT through routine services when they are pregnant and may also receive TT during SIAs. The model also adjusts reported data, taking into account coverage patterns in other years, and/or results available through surveys. The duration of protection is then calculated, based on WHO estimates of the duration of protection by doses ever received. The proportion of births that are protected against tetanus as a result of maternal immunization reflects the tetanus immunization received by the mother throughout her life rather than simply the TT immunizations received during the current pregnancy.

¹ This model is described in: Griffiths U., Wolfson L., Quddus A., Younus M., Hafiz R.. Incremental cost-effectiveness of supplementary immunization activities to prevent neo-natal tetanus in Pakistan. Bulletin of the World Health Organization 2004; 82:643-651.

Togo

Year	PAB coverage estimate (%)
1980	
1981	
1982	
1983	
1984	
1985	
1986	
1987	
1988	68
1989	44
1990	47
1991	30
1992	27
1993	29
1994	26
1995	52
1996	55
1997	57
1998	51
1999	62
2000	63
2001	60
2002	60
2003	75
2004	79
2005	81
2006	81
2007	82
2008	81