

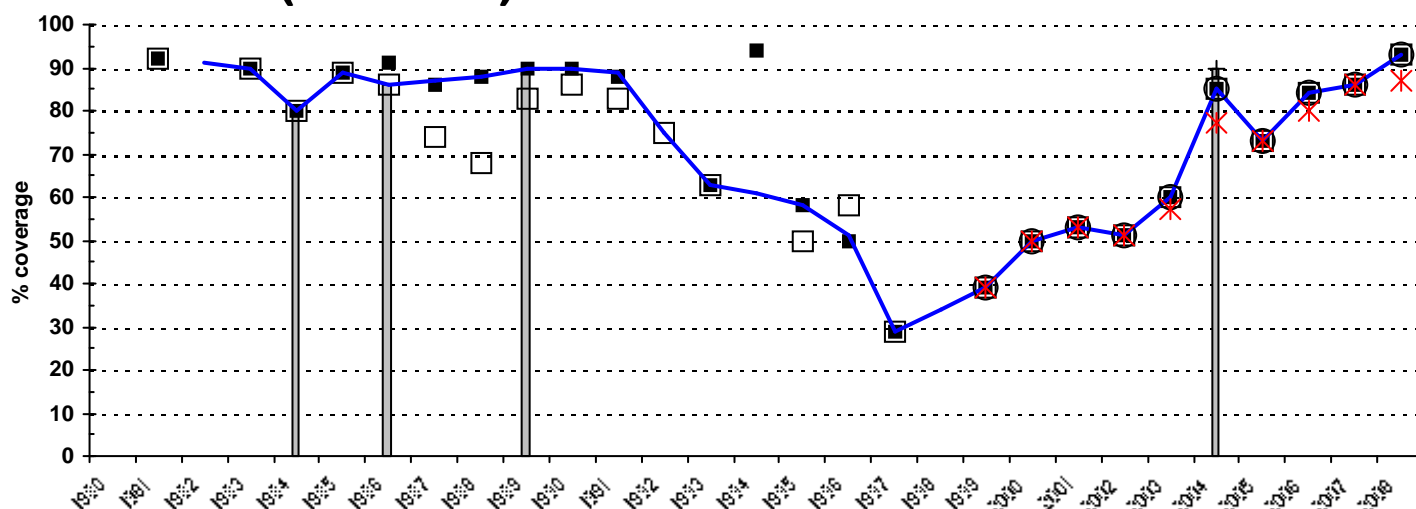
**WHO/UNICEF
Review of National Immunization Coverage
1980-2008**

Congo

July, 2009

Congo

BCG (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	92						
1981	92	92	92				
1982	91						
1983	90	90	90				
1984	80	80	80			80	
1985	89	89	89				
1986	86	86	91			86	
1987	87	74	86				
1988	88	68	88				
1989	90	83	90			90	
1990	90	86	90				
1991	89	83	88				
1992	75	75					
1993	63	63	63				
1994	61		94				
1995	58	50	58				
1996	51	58	50				
1997	29	29	29				
1998	34						
1999	39	39	39	39	39		
2000	50	50	50	50	50		
2001	53	53	53	53	53		
2002	51	51	51	51	51		
2003	60	60	60	60	57		
2004	85	85	85	85	77	90	90
2005	73	73	73	73	73		
2006	84	84	84	84	80		
2007	86	86	86	86	86		
2008	93	93	93	93	87		

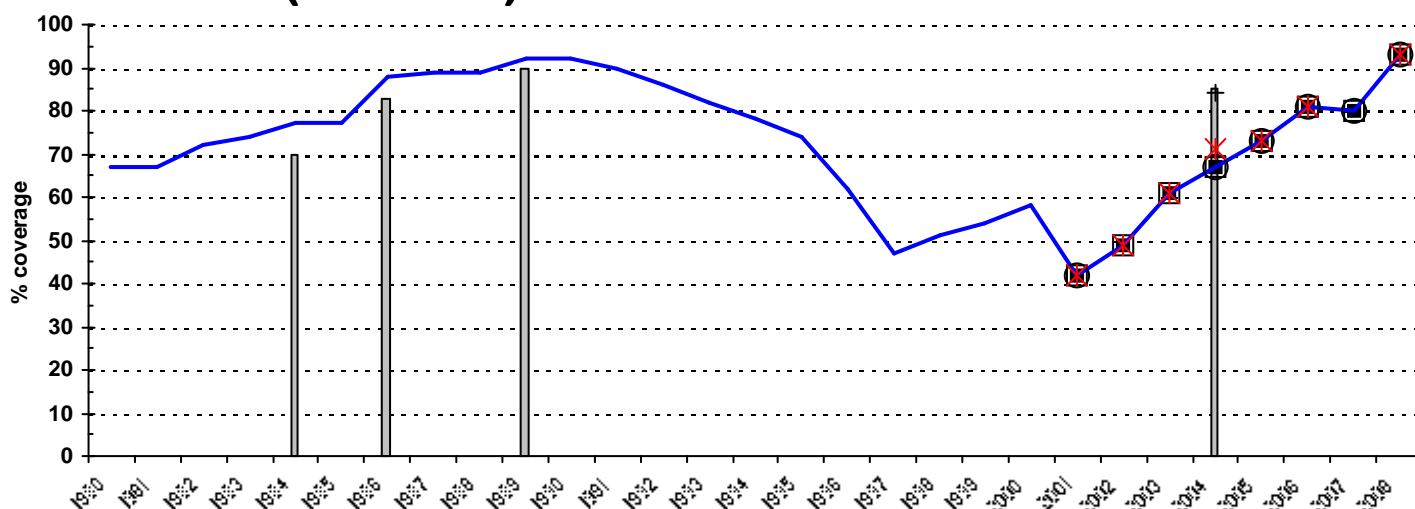
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Congo

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 2001 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. Recent estimates are based on officially reported data although survey results suggest higher coverage.

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	67						
1981	67						
1982	72						
1983	74						
1984	77					70	
1985	77						
1986	88					83	
1987	89						
1988	89						
1989	92					90	
1990	92						
1991	90						
1992	86						
1993	82						
1994	78						
1995	74						
1996	62						
1997	47						
1998	51						
1999	54						
2000	58						
2001	42	42	42	42	42		
2002	49	49	49		49		
2003	61	61	61		61		
2004	67	67	67	67	71	85	84
2005	73	73	73	73	73		
2006	81	81	81	81	81		
2007	80	80	80	80			
2008	93	93	93	93	93		

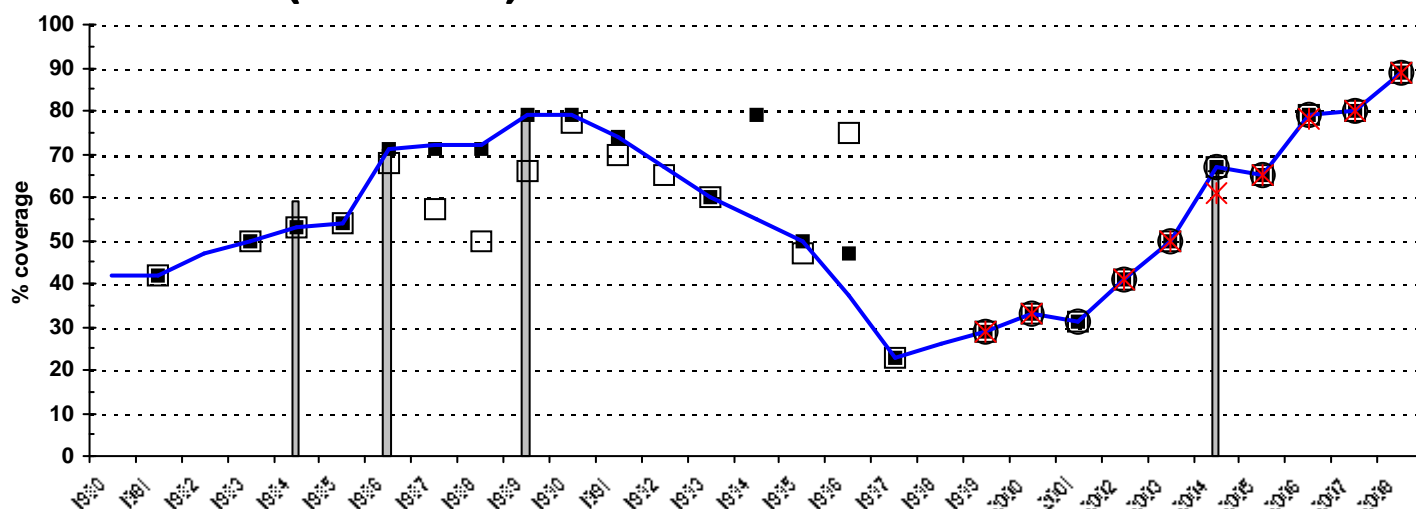
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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Congo

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	42						
1981	42	42	42				
1982	47						
1983	50	50	50				
1984	53	53	53			59	
1985	54	54	54				
1986	71	68	71			71	
1987	72	57	71				
1988	72	50	71				
1989	79	66	79			79	
1990	79	77	79				
1991	74	70	74				
1992	67	65					
1993	60	60	60				
1994	55		79				
1995	50	47	50				
1996	37	75	47				
1997	23	23	23				
1998	26						
1999	29	29	29	29	29		
2000	33	33	33	33	33		
2001	31	31	31	31	31		
2002	41	41	41	41	41		
2003	50	50	50	50	50		
2004	67	67	67	67	61		
2005	65	65	65	65	65	68	66
2006	79	79	79	79	78		
2007	80	80	80	80	80		
2008	89	89	89	89	89		

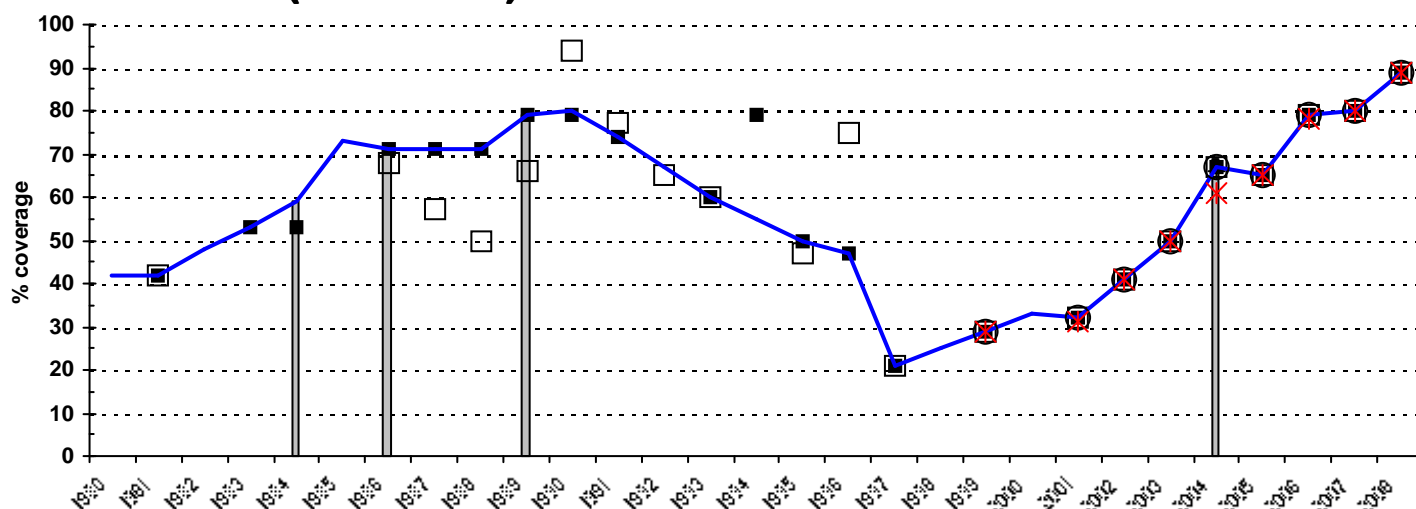
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

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

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Congo

Pol3 (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	42						
1981	42	42	42				
1982	48						
1983	53		53				
1984	59		53			59	
1985	73						
1986	71	68	71			71	
1987	71	57	71				
1988	71	50	71				
1989	79	66	79			79	
1990	80	94	79				
1991	74	77	74				
1992	67	65					
1993	60	60	60				
1994	55		79				
1995	50	47	50				
1996	47	75	47				
1997	21	21	21				
1998	25						
1999	29	29	29	29	29		
2000	33						
2001	32	32	32	32	31		
2002	41	41	41	41	41		
2003	50	50	50	50	50		
2004	67	67	67	67	61	69	66
2005	65	65	65	65	65		
2006	79	79	79	79	78		
2007	80	80	80	80	80		
2008	89	89	89	89	89		

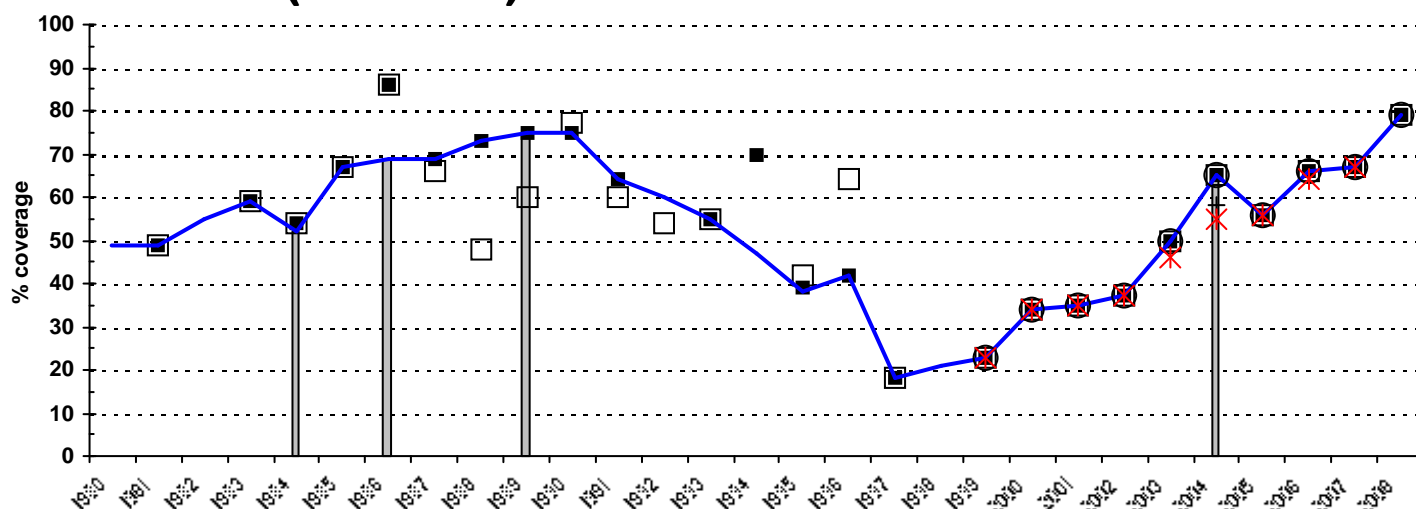
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Congo

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	49						
1981	49	49	49				
1982	55						
1983	59	59	59				
1984	52	54	54			52	
1985	67	67	67				
1986	69	86	86			69	
1987	69	66	69				
1988	73	48	73				
1989	75	60	75			75	
1990	75	77	75				
1991	64	60	64				
1992	60	54					
1993	55	55	55				
1994	47		70				
1995	38	42	39				
1996	42	64	42				
1997	18	18	18				
1998	21						
1999	23	23	23	23	23		
2000	34	34	34	34	34		
2001	35	35	35	35	35		
2002	37	37	37	37	37		
2003	50	50	50	50	46		
2004	65	65	65	65	55	66	58
2005	56	56	56	56	56		
2006	66	66	66	66	64		
2007	67	67	67	67	67		
2008	79	79	79	79			

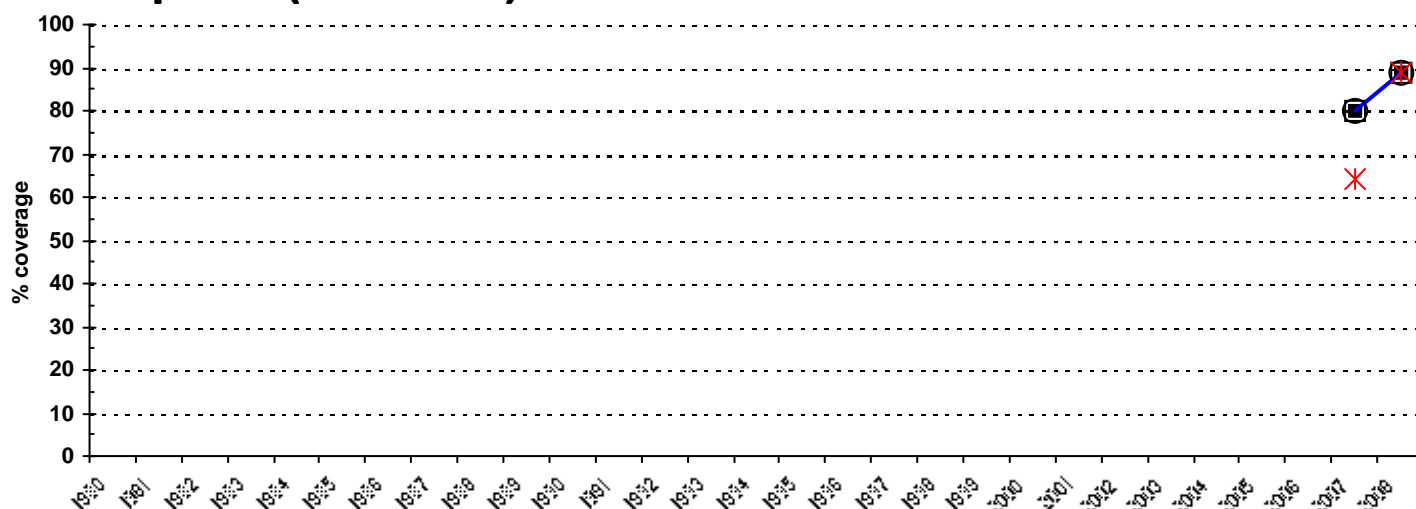
*Prior to 1998 national reports to WHO/UNICEF did not specify whether information was derived from administrative records, surveys or other sources.

**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.

Congo

HepB3 (1980-2008)



Description of trend

Hepatitis B vaccine was introduced in 2007. Estimate is based on reported coverage.

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	80	80	80	80	64		
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.

Congo

Details Survey Data

Year Source

Antigen	Confirmation method	% coverage	Compliance with schedule	Age group	Sample size	% cards seen	Survey year	Comments
2004 Enquête démographique and de santé du Congo, 2005								
BCG	Card or History	90		12-23 m	899	100	2005	
BCG	C or H <12 month	89.6		12-23 m	899	100	2005	
DTP1	Card or History	85.3		12-23 m	899	100	2005	
DTP1	C or H <12 month	83.6		12-23 m	899	100	2005	
DTP3	Card or History	68.4		12-23 m	899	100	2005	
DTP3	C or H <12 month	65.8		12-23 m	899	100	2005	
Pol3	Card or History	69.1		12-23 m	899	100	2005	
Pol3	C or H <12 month	66.4		12-23 m	899	100	2005	
MCV	Card or History	66.2		12-23 m	899	100	2005	
MCV	C or H <12 month	57.9		12-23 m	899	100	2005	

1989 Congo, Revue Internationale du PEV, 1990

BCG	Card or History	90		12-23 m			1990	
DTP1	Card or History	90		12-23 m			1990	
DTP3	Card or History	79		12-23 m			1990	
Pol3	Card or History	79		12-23 m			1990	assumed to be the same as DPT, as in 1985 and 1987
MCV	Card or History	75		12-23 m			1990	
PAB	Card or History	61		Women 15-49		86	1990	Weighted average, no further info

1986 PEV Point de la Situation et Implications Pour L'avenir 1987

BCG	Card or History	86		12-23 m	426		1987	total number of children not clear
DTP1	Card or History	83		12-23 m	426		1987	total number of children not clear
DTP3	Card or History	71		12-23 m	426		1987	total number of children not clear
Pol3	Card or History	71		12-23 m	426		1987	total number of children not clear
MCV	Card or History	69		12-23 m	426		1987	total number of children not clear

1984 Congo, PEV, Point de la Situation et Implications pour l'avenir, 1987

BCG	Card or History	80		12-23 m			1985	
DTP1	Card or History	70		12-23 m			1985	
DTP3	Card or History	59		12-23 m			1985	
Pol3	Card or History	59		12-23 m			1985	
MCV	Card or History	52		12-23 m			1985	

The Republic of the Congo

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.

The Republic of the Congo

Year	PAB coverage estimate (%)
1980	
1981	
1982	
1983	
1984	
1985	
1986	60
1987	44
1988	47
1989	43
1990	60
1991	76
1992	77
1993	70
1994	71
1995	73
1996	80
1997	62
1998	62
1999	63
2000	67
2001	67
2002	69
2003	79
2004	74
2005	75
2006	81
2007	82
2008	82