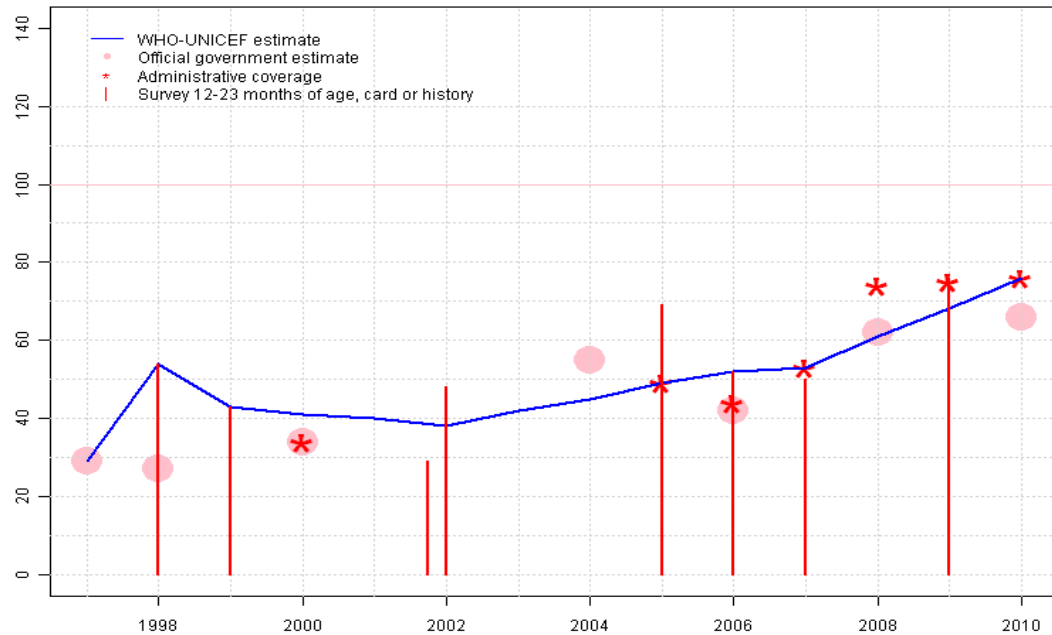


Nigeria - BCG

NGA - BCG



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	29	54	43	41	40	38	42	45	49	52	53	61	68	76
Official	29	27	NA	34	NA	NA	NA	55	NA	42	NA	62	NA	66
Administrative	NA	NA	NA	34	NA	NA	NA	NA	49	44	53	74	75	76
Survey	NA	54	43	NA	NA	*	NA	NA	69	52	50	NA	76	NA

Description:

1997: Legacy estimate.

1998: Estimate based on survey results. 54 percent survey results does not support reported data of 27 percent.

1999: No accepted reported data. Reported data of 31 percent estimated by interpolation between 1998 and 2000 does not support trend in reported data. 43 percent survey results

2000: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2002: Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2003: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on interpolation between 2002 and 2006. Survey not accepted. Survey results not consistent with comparable survey data. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2006: Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2007: Estimate based on reported data. 50 percent survey results supports reported data of 53 percent.

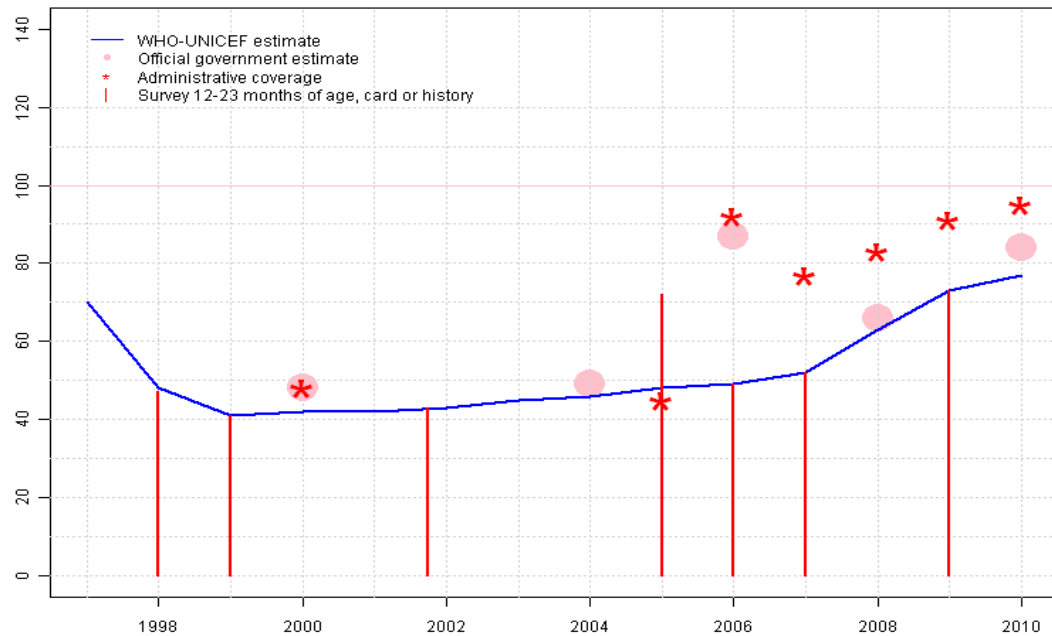
2008: Estimate based on interpolation between 2007 and 2009. Estimate not based on reported data. Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting. Current estimate of 61 percent changed from previous revision value of 53 percent.

2009: No accepted reported data. Reported data of 68 percent estimated by interpolation between 2007 and 2010 supports trend in reported data. 76 percent survey results Estimate not based on reported data. Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 68 percent changed from previous revision value of 53 percent.

2010: Estimate based on reported data. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

Nigeria - DTP1

NGA - DTP1



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	70	48	41	42	42	43	45	46	48	49	52	63	73	77
Official	NA	NA	NA	48	NA	NA	NA	49	NA	87	NA	66	NA	84
Administrative	NA	NA	NA	48	NA	NA	NA	NA	45	92	77	83	91	95
Survey	NA	47	41	NA	NA	*	NA	NA	72	49	52	NA	73	NA

Description:

1997: Legacy estimate.

1998: No accepted reported data. Reported data of 48 percent estimated by extrapolating from 2000 supports trend in reported data. 47 percent survey results

1999: Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2000: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2002: Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2003: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on interpolation between 2002 and 2006. Survey not accepted. Survey results not consistent with comparable survey data. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2006: Estimate based on survey results. 49 percent survey results does not support reported data of 87 percent.

2007: Estimate based on survey results. 52 percent survey results does not support reported data of 77 percent.

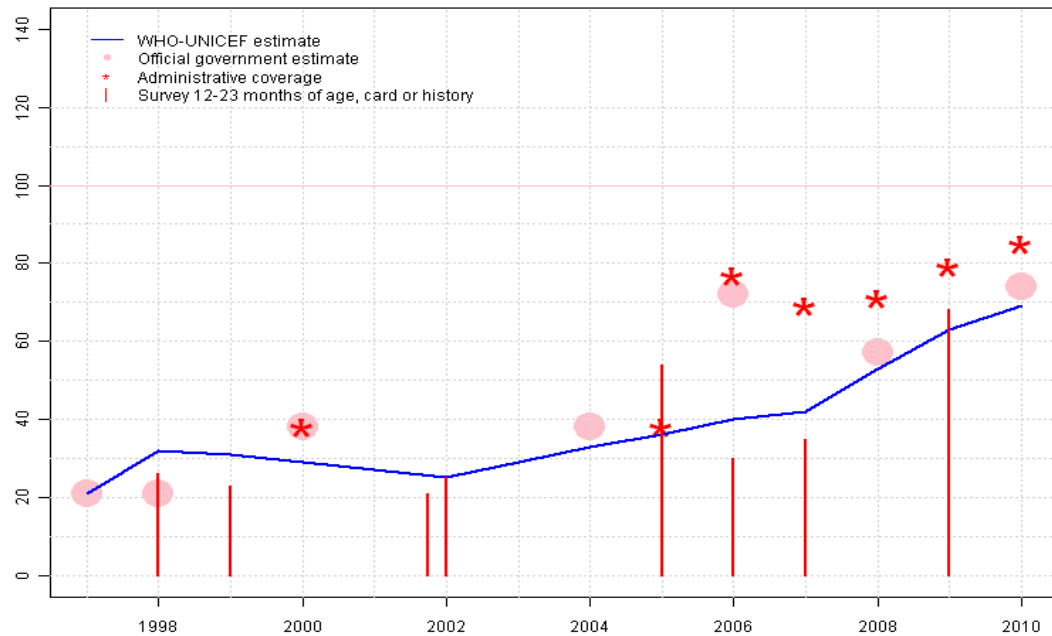
2008: Estimate based on interpolation between 2007 and 2009. Reported data not accepted due to a decline from 77 percent to 66 percent with a subsequent increase to 91 percent. Current estimate of 63 percent changed from previous revision value of 52 percent.

2009: Estimate based on survey results. 73 percent survey results does not support reported data of 91 percent. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 73 percent changed from previous revision value of 52 percent.

2010: Reported data 95 percent calibrated to 2009 levels. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

Nigeria - DTP3

NGA - DTP3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	21	32	31	29	27	25	29	33	36	40	42	53	63	69
Official	21	21	NA	38	NA	NA	NA	38	NA	72	NA	57	NA	74
Administrative	NA	NA	NA	38	NA	NA	NA	NA	38	77	69	71	79	85
Survey	NA	26	23	NA	NA	*	NA	NA	54	30	35	NA	68	NA

Description:

1997: Legacy estimate.

1998: Estimate based on survey results. 32 percent survey results does not support reported data of 21 percent. Survey results of 26 percent modified for recall bias to 32 percent based on 1st dose card or history coverage of 47 percent, 1st dose card only coverage of 16 percent and 3d dose card only coverage of 11 percent.

1999: Estimates based on survey results. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results of 23 percent modified for recall bias to 31 percent based on 1st dose card or history coverage of 41 percent, 1st dose card only coverage of 16 percent and 3d dose card only coverage of 12 percent.

2000: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2002: No accepted reported data. Reported data of 38 percent estimated by interpolation between 2000 and 2004 does not support trend in reported data. *Summary survey results of 25 percent based on 2 surveys (see survey summary page) Survey results of 21 percent modified for recall bias to 24 percent based on 1st dose card or history coverage of 43 percent, 1st dose card only coverage of 18 percent and 3d dose card only coverage of 10 percent.

2003: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on interpolation between 2002 and 2006. Survey not accepted. Survey results not consistent with comparable survey data. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2006: No accepted reported data. Reported data of 54 percent estimated by interpolation between 2005 and 2007 does not support trend in reported data. 40 percent survey results Estimate not based on reported data. Includes data from supplementary immunization activities (CHD) Survey results of 30 percent modified for recall bias to 40 percent based on 1st dose card or history coverage of 49 percent, 1st dose card only coverage of 17 percent and 3d dose card only coverage of 14 percent.

2007: Estimate based on survey results. 42 percent survey results does not support reported data of 69 percent. Survey results of 35 percent modified for recall bias to 42 percent based on 1st dose card or history coverage of 52 percent, 1st dose card only coverage of 25 percent and 3d dose card only

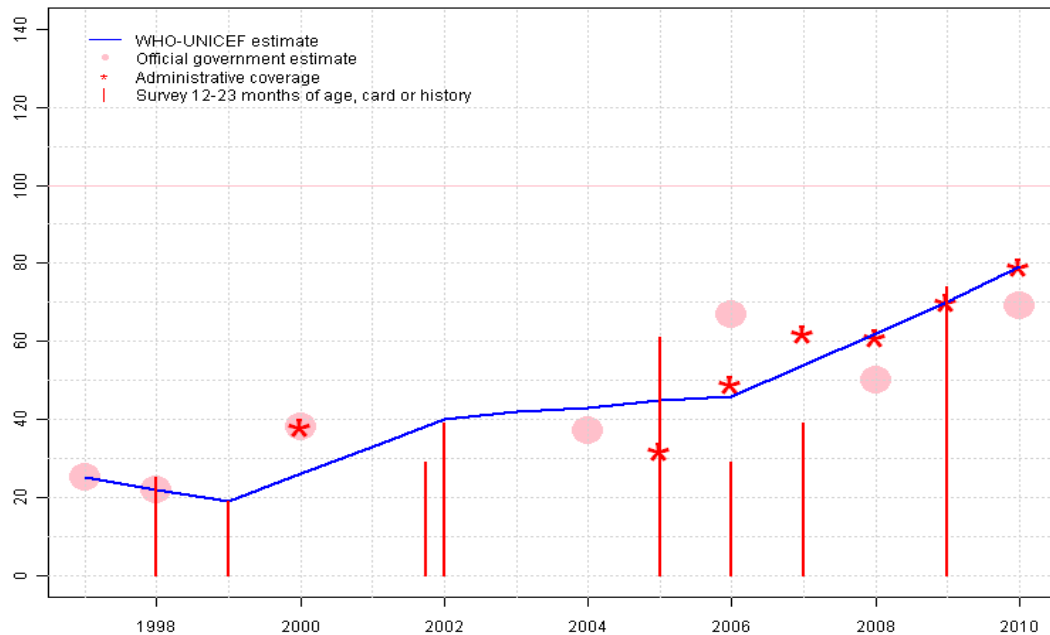
Nigeria - DTP3

coverage of 20 percent.

- 2008: Estimate based on interpolation between 2007 and 2009. Reported data not accepted due to a decline from 69 percent to 57 percent with a subsequent increase to 79 percent. Current estimate of 53 percent changed from previous revision value of 42 percent.
- 2009: Estimate based on survey results. 63 percent survey results does not support reported data of 79 percent. Survey results of 68 percent modified for recall bias to 63 percent based on 1st dose card or history coverage of 73 percent, 1st dose card only coverage of 29 percent and 3d dose card only coverage of 25 percent. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 63 percent changed from previous revision value of 42 percent.
- 2010: Reported data 85 percent calibrated to 2009 levels. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

Nigeria - Pol3

NGA - Pol3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	25	22	19	26	33	40	42	43	45	46	54	62	70	79
Official	25	22	NA	38	NA	NA	NA	37	NA	67	NA	50	NA	69
Administrative	NA	NA	NA	38	NA	NA	NA	NA	32	49	62	61	70	79
Survey	NA	25	19	NA	NA	*	NA	NA	61	29	39	NA	74	NA

Description:

1997: Legacy estimate.

1998: Estimate based on reported data. 32 percent survey results supports reported data of 22 percent. Survey results of 25 percent modified for recall bias to 32 percent based on 1st dose card or history coverage of 57 percent, 1st dose card only coverage of 18 percent and 3d dose card only coverage of 10 percent.

1999: No accepted reported data. Reported data of 30 percent estimated by interpolation between 1998 and 2000 does not support trend in reported data. 19 percent survey results

2000: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2002: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results of 29 percent modified for recall bias to 41 percent based on 1st dose card or history coverage of 67 percent, 1st dose card only coverage of 18 percent and 3d dose card only coverage of 11 percent.

2003: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on interpolation between 2002 and 2006. Survey not accepted. Survey results not consistent with comparable survey data. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2006: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results of 29 percent modified for recall bias to 46 percent based on 1st dose card or history coverage of 56 percent, 1st dose card only coverage of 16 percent and 3d dose card only coverage of 13 percent.

2007: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results of 39 percent modified for recall bias to 54 percent based on 1st dose card or history coverage of 68 percent, 1st dose card only coverage of 24 percent and 3d dose card only coverage of 19 percent.

2008: Estimate based on interpolation between 2007 and 2009. Reported data not accepted due to a decline from 62 percent to 50 percent with a subsequent increase to 70 percent. Current estimate of 62 percent changed from previous revision value of 54 percent.

2009: Estimate based on reported data. 66 percent survey results supports re-

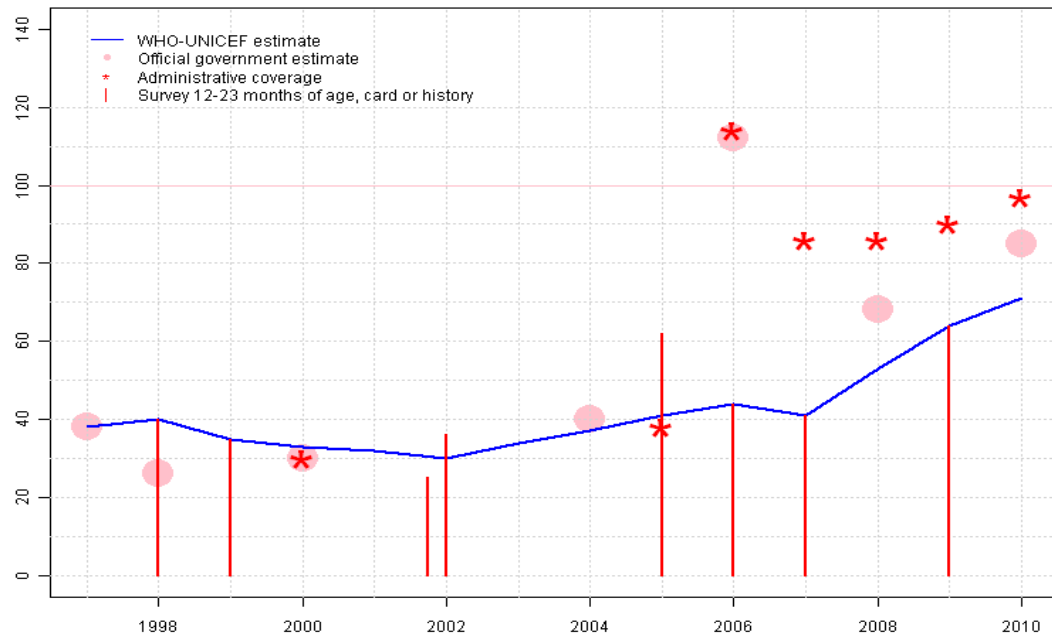
Nigeria - Pol3

ported data of 70 percent. Survey results of 74 percent modified for recall bias to 66 percent based on 1st dose card or history coverage of 78 percent, 1st dose card only coverage of 27 percent and 3d dose card only coverage of 23 percent. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 70 percent changed from previous revision value of 54 percent.

2010: Estimate based on reported data. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

Nigeria - MCV

NGA - MCV



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	38	40	35	33	32	30	34	37	41	44	41	53	64	71
Official	38	26	NA	30	NA	NA	NA	40	NA	112	NA	68	NA	85
Administrative	NA	NA	NA	30	NA	NA	NA	NA	38	114	86	86	90	97
Survey	NA	40	35	NA	NA	*	NA	NA	62	44	41	NA	64	NA

Description:

1997: Legacy estimate.

1998: Estimate based on survey results. 40 percent survey results does not support reported data of 26 percent.

1999: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2000: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on interpolation between 1999 and 2002. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2002: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2003: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on interpolation between 2002 and 2006. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on interpolation between 2002 and 2006. Survey not accepted. Survey results not consistent with comparable survey data. Fluctuation in reported data suggest poor quality administrative recording and reporting.

2006: No accepted reported data. Reported data of 62 percent estimated by interpolation between 2005 and 2007 does not support trend in reported data. 44 percent survey results Reported data of 112 percent greater than 100 percent. Reported data not accepted due to an increase from 38 percent to 112 percent with a subsequent decrease to 86 percent.

2007: Estimate based on survey results. 41 percent survey results does not support reported data of 86 percent.

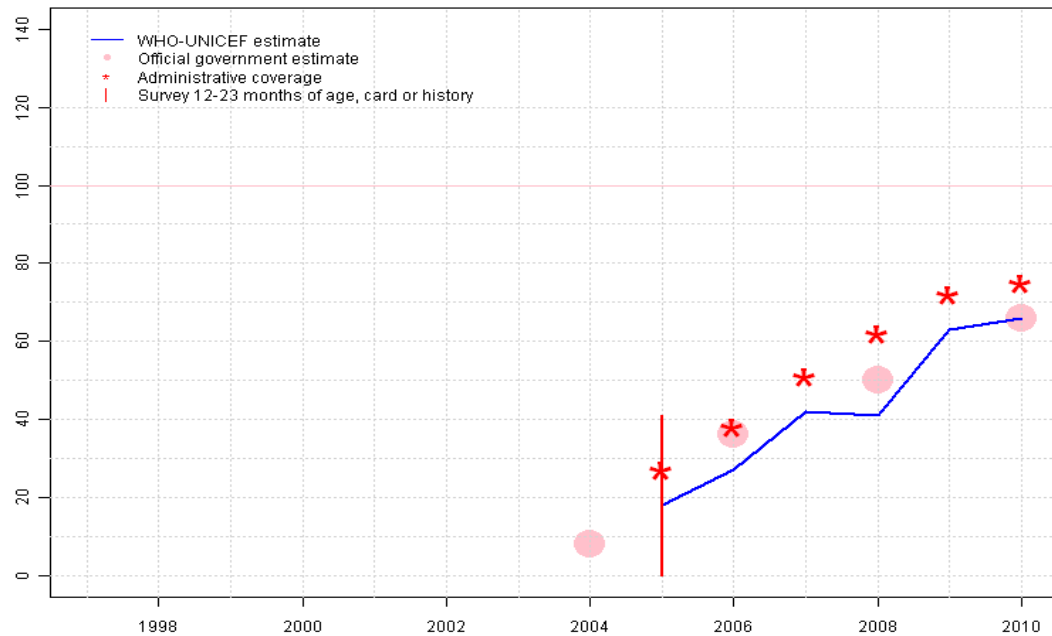
2008: Estimate based on interpolation between 2007 and 2009. Reported data not accepted due to a decline from 86 percent to 68 percent with a subsequent increase to 90 percent. Current estimate of 53 percent changed from previous revision value of 41 percent.

2009: Estimate based on survey results. 64 percent survey results does not support reported data of 90 percent. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 64 percent changed from previous revision value of 41 percent.

2010: Reported data 97 percent calibrated to 2009 levels. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

Nigeria - HepB3

NGA - HepB3

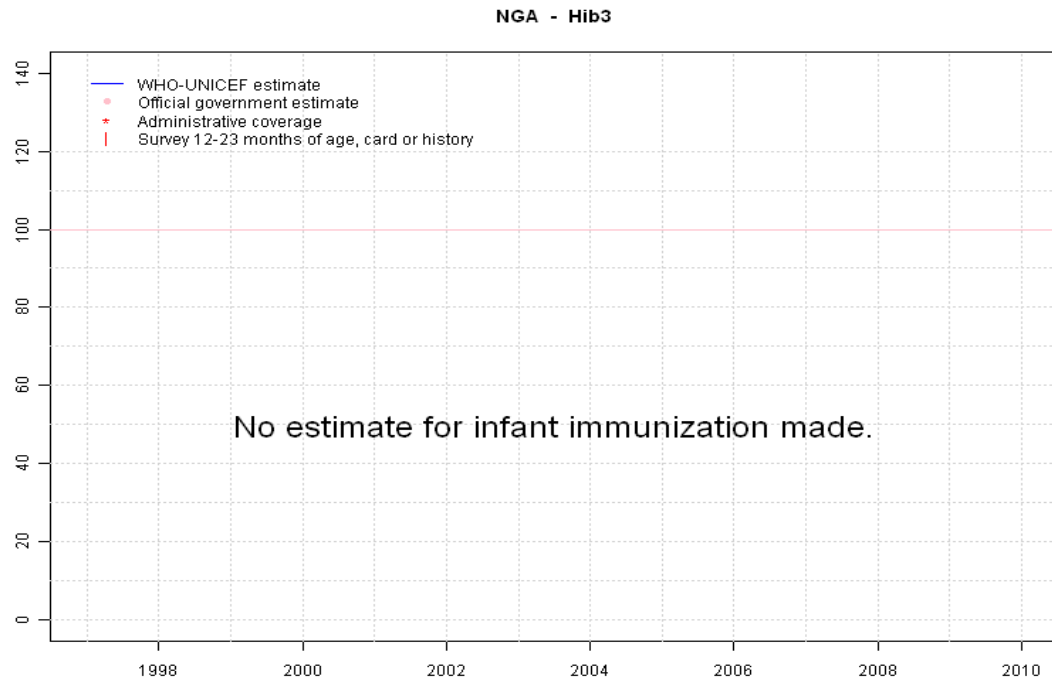


Description:

- 2005: Reported data 27 percent calibrated to 2007 levels. Survey not accepted. Survey results not consistent with comparable survey data. HepB introduced in 2004. Reporting started in 2005. Fluctuation in reported data suggest poor quality administrative recording and reporting.
- 2006: Reported data 36 percent calibrated to 2007 levels.
- 2007: Estimates based on DTP3 levels.
- 2008: Reported data calibrated to 2007 and 2009 levels.
- 2009: Estimates based on DTP3 levels. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 63 percent changed from previous revision value of 41 percent.
- 2010: Reported data 75 percent calibrated to 2009 levels. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

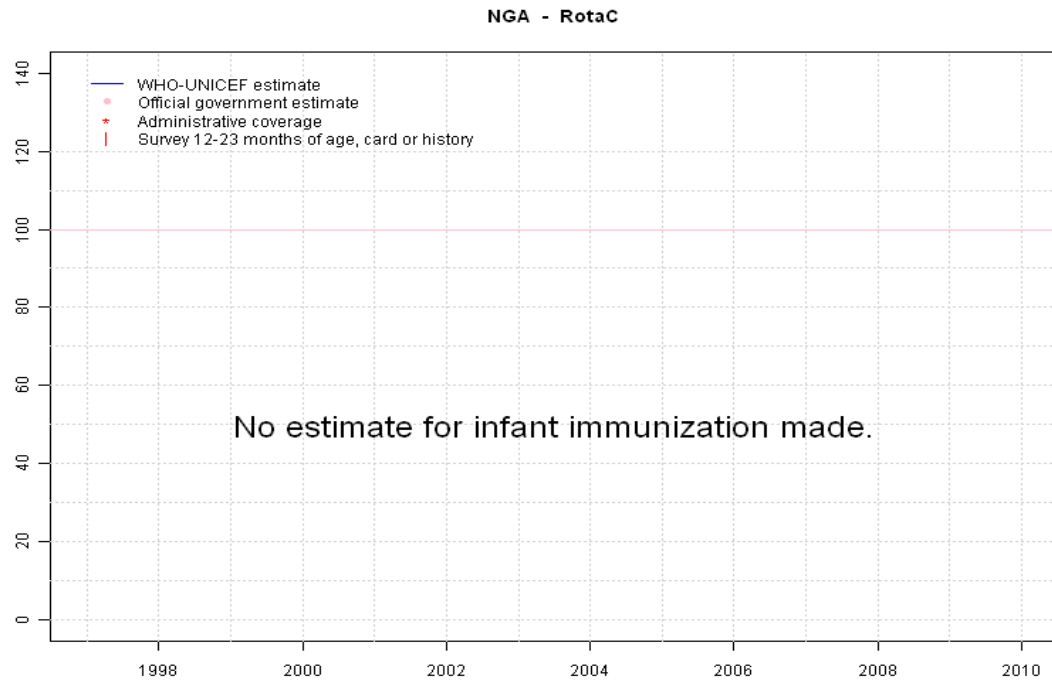
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	18	27	42	41	63	66
Official	NA	NA	NA	NA	NA	NA	NA	8	NA	36	NA	50	NA	66
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	27	38	51	62	72	75
Survey	NA	NA	NA	NA	NA	NA	NA	NA	41	NA	NA	NA	NA	NA

Nigeria - Hib3



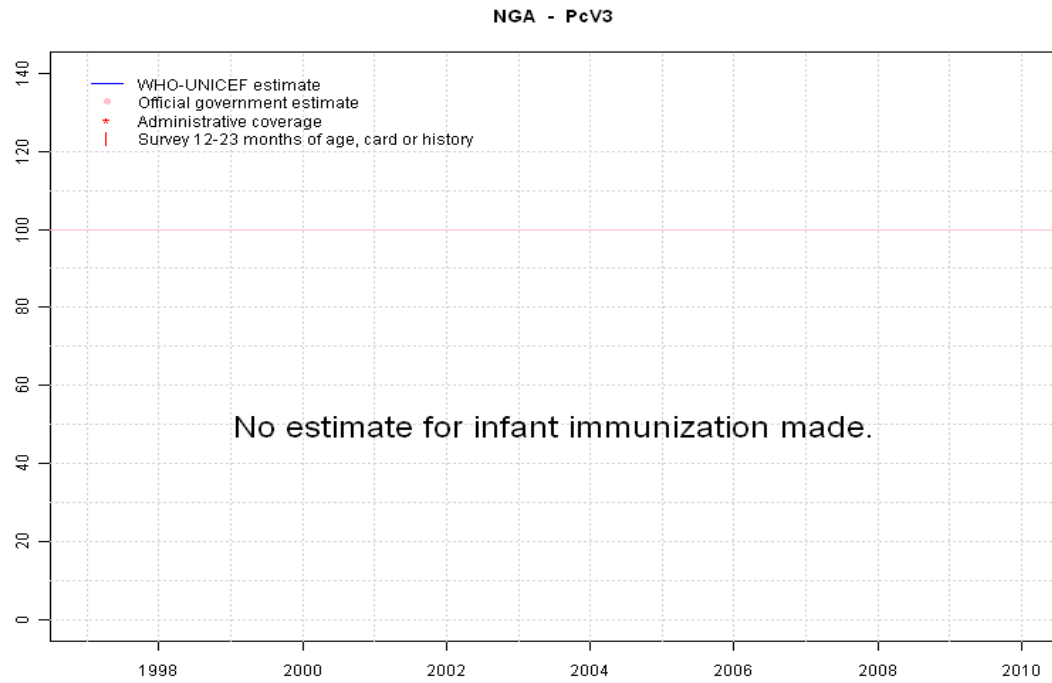
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Nigeria - RotaC



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	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	NA
Administrative	NA	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	NA

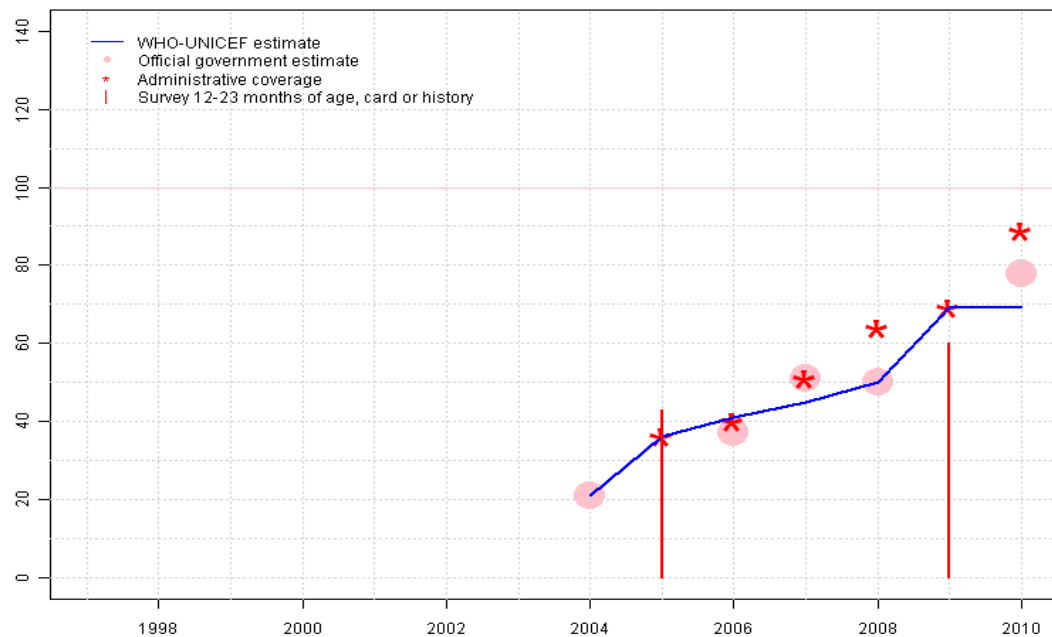
Nigeria - PcV3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	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	NA
Administrative	NA	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	NA

Nigeria - YFV

NGA - YFV



Description:

- 2004: Estimate based on reported data. YFV introduced in 2004. Fluctuation in reported data suggest poor quality administrative recording and reporting.
- 2005: Estimate based on reported data. 43 percent survey results supports reported data of 36 percent. Fluctuation in reported data suggest poor quality administrative recording and reporting.
- 2006: Estimate based on interpolation between 2005 and 2008. Current estimate of 41 percent changed from previous revision value of 37 percent.
- 2007: Estimate based on interpolation between 2005 and 2008. Current estimate of 45 percent changed from previous revision value of 51 percent.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data. 60 percent survey results supports reported data of 69 percent. Survey suggests that 60 percent of immunization services are obtained from fixed sites. Current estimate of 69 percent changed from previous revision value of 50 percent.
- 2010: Estimate based on extrapolation from 2009 value of 69 percent. Reported data not accepted due to a change from 69 level to 89 percent. Survey results support the trends but not the coverage levels intertemporally and across vaccines.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	21	36	41	45	50	69	69
Official	NA	NA	NA	NA	NA	NA	NA	21	NA	37	51	50	NA	78
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	36	40	51	64	69	89
Survey	NA	NA	NA	NA	NA	NA	NA	NA	43	NA	NA	NA	60	NA

Nigeria - survey details

2009 Nigeria 2010 National Immunization Coverage Survey

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	76	12-23 m	19551	40
BCG	Card	33	12-23 m	19551	40
DTP1	Card or History	73	12-23 m	19551	40
DTP1	Card	29	12-23 m	19551	40
DTP3	Card or History	68	12-23 m	19551	40
DTP3	Card	25	12-23 m	19551	40
MCV	Card	21	12-23 m	19551	40
MCV	Card or History	64	12-23 m	19551	40
Pol1	Card or History	78	12-23 m	19551	40
Pol1	Card	27	12-23 m	19551	40
Pol3	Card	23	12-23 m	19551	40
Pol3	Card or History	74	12-23 m	19551	40
YFV	Card or History	60	12-23 m	19551	40
YFV	Card	20	12-23 m	19551	40

2007 Nigeria Demographic and Health Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	24	12-23 m	4945	26
BCG	History	26	12-23 m	4945	26
BCG	Card or History	50	12-23 m	4945	26
BCG	C or H <12 months	48	12-23 m	4945	26
DTP1	Card	25	12-23 m	4945	26
DTP1	C or H <12 months	49	12-23 m	4945	26
DTP1	History	27	12-23 m	4945	26
DTP1	Card or History	52	12-23 m	4945	26
DTP3	Card	20	12-23 m	4945	26
DTP3	History	15	12-23 m	4945	26
DTP3	Card or History	35	12-23 m	4945	26
DTP3	C or H <12 months	33	12-23 m	4945	26
MCV	Card or History	41	12-23 m	4945	26
MCV	History	22	12-23 m	4945	26
MCV	C or H <12 months	34	12-23 m	4945	26
MCV	Card	19	12-23 m	4945	26
Pol1	Card or History	68	12-23 m	4945	26

Pol1	C or H <12 months	64	12-23 m	4945	26
Pol1	History	43	12-23 m	4945	26
Pol1	Card	24	12-23 m	4945	26
Pol3	History	20	12-23 m	4945	26
Pol3	Card or History	39	12-23 m	4945	26
Pol3	C or H <12 months	36	12-23 m	4945	26
Pol3	Card	19	12-23 m	4945	26

2006 Nigeria Multiple Indicator Cluster Survey 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	50	12-23 m	3187	18
BCG	History	35	12-23 m	3187	18
BCG	Card or History	52	12-23 m	3187	18
BCG	Card	17	12-23 m	3187	18
DTP1	History	32	12-23 m	3187	18
DTP1	Card or History	49	12-23 m	3187	18
DTP1	C or H <12 months	46	12-23 m	3187	18
DTP1	Card	17	12-23 m	3187	18
DTP3	Card	14	12-23 m	3187	18
DTP3	C or H <12 months	28	12-23 m	3187	18
DTP3	History	16	12-23 m	3187	18
DTP3	Card or History	30	12-23 m	3187	18
MCV	Card or History	44	12-23 m	3187	18
MCV	History	30	12-23 m	3187	18
MCV	C or H <12 months	38	12-23 m	3187	18
MCV	Card	14	12-23 m	3187	18
Pol1	Card or History	56	12-23 m	3187	18
Pol1	C or H <12 months	52	12-23 m	3187	18
Pol1	History	40	12-23 m	3187	18
Pol1	Card	16	12-23 m	3187	18
Pol3	History	16	12-23 m	3187	18
Pol3	Card or History	29	12-23 m	3187	18
Pol3	C or H <12 months	28	12-23 m	3187	18
Pol3	Card	13	12-23 m	3187	18

2005 Nigeria National Immunization Coverage Survey (2006)

Nigeria - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	54	12-23 m	23414	50
BCG	Card or History	69	12-23 m	23414	50
DTP1	Card	36	12-23 m	23414	50
DTP1	Card or History	72	12-23 m	23414	50
DTP3	Card or History	54	12-23 m	23414	50
DTP3	Card	26	12-23 m	23414	50
HepB1	Card or History	56	12-23 m	23414	50
HepB1	Card	30	12-23 m	23414	50
HepB3	Card or History	41	12-23 m	23414	50
HepB3	Card	20	12-23 m	23414	50
MCV	Card	26	12-23 m	23414	50
MCV	Card or History	62	12-23 m	23414	50
Pol1	Card	32	12-23 m	23414	50
Pol1	Card or History	78	12-23 m	23414	50
Pol3	Card	22	12-23 m	23414	50
Pol3	Card or History	61	12-23 m	23414	50
YFV	Card	20	12-23 m	23414	50
YFV	Card or History	43	12-23 m	23414	50

2002 Nigeria Demographic and Health Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	48	12-23 m	999	21
BCG	Card	20	12-23 m	999	21
BCG	History	28	12-23 m	999	21
BCG	C or H <12 months	47	12-23 m	999	21
DTP1	C or H <12 months	39	12-23 m	999	21
DTP1	Card	18	12-23 m	999	21
DTP1	Card or History	43	12-23 m	999	21
DTP1	History	25	12-23 m	999	21
DTP3	Card or History	21	12-23 m	999	21
DTP3	Card	10	12-23 m	999	21
DTP3	History	11	12-23 m	999	21
DTP3	C or H <12 months	20	12-23 m	999	21
MCV	History	22	12-23 m	999	21
MCV	Card or History	36	12-23 m	999	21
MCV	Card	14	12-23 m	999	21

MCV	C or H <12 months	31	12-23 m	999	21
Pol1	Card	18	12-23 m	999	21
Pol1	C or H <12 months	64	12-23 m	999	21
Pol1	History	49	12-23 m	999	21
Pol1	Card or History	67	12-23 m	999	21
Pol3	History	19	12-23 m	999	21
Pol3	C or H <12 months	27	12-23 m	999	21
Pol3	Card	11	12-23 m	999	21
Pol3	Card or History	29	12-23 m	999	21

2002 Nigeria National Immunization Coverage Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	29	12-23 m	40777	28
DTP1	Card or History	43	12-23 m	40777	28
DTP3	Card or History	25	12-23 m	40777	28
MCV	Card or History	25	12-23 m	40777	28
Pol1	Card or History	63	12-23 m	40777	28
Pol3	Card or History	39	12-23 m	40777	28

1999 MICS Nigeria, 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	17	12-23 m	2841	25
BCG	Card or History	43	12-23 m	2841	25
BCG	History	26	12-23 m	2841	25
DTP1	Card	16	12-23 m	2841	25
DTP1	Card or History	41	12-23 m	2841	25
DTP1	History	25	12-23 m	2841	25
DTP3	History	11	12-23 m	2841	25
DTP3	Card or History	23	12-23 m	2841	25
DTP3	Card	12	12-23 m	2841	25
MCV	Card or History	35	12-23 m	2841	25
MCV	Card	16	12-23 m	2841	25
Pol1	Card	12	12-23 m	2841	25
Pol1	Card or History	37	12-23 m	2841	25
Pol3	Card or History	19	12-23 m	2841	25

Nigeria - survey details

1998 Nigeria Demographic and Health Survey 1999, 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	History	35	12-23 m	1161	0
BCG	C or H <12 months	52	12-23 m	1161	0
BCG	Card	19	12-23 m	1161	0
BCG	Card or History	54	12-23 m	1161	0
DTP1	History	31	12-23 m	1161	0
DTP1	Card or History	47	12-23 m	1161	0
DTP1	C or H <12 months	46	12-23 m	1161	0
DTP1	Card	16	12-23 m	1161	0
DTP3	History	16	12-23 m	1161	0
DTP3	C or H <12 months	25	12-23 m	1161	0
DTP3	Card	11	12-23 m	1161	0

DTP3	Card or History	26	12-23 m	1161	0
MCV	History	27	12-23 m	1161	0
MCV	C or H <12 months	32	12-23 m	1161	0
MCV	Card	13	12-23 m	1161	0
MCV	Card or History	40	12-23 m	1161	0
Pol1	Card	18	12-23 m	1161	0
Pol1	Card or History	57	12-23 m	1161	0
Pol1	History	39	12-23 m	1161	0
Pol1	C or H <12 months	54	12-23 m	1161	0
Pol3	C or H <12 months	23	12-23 m	1161	0
Pol3	Card	10	12-23 m	1161	0
Pol3	Card or History	25	12-23 m	1161	0
Pol3	History	15	12-23 m	1161	0

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

http://www.childinfo.org/immunization_countryreports.html

http://www.who.int/immunization_monitoring/routine/immunization_coverage/en/index4.html

Nigeria

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.

Year	PAB coverage estimate (%)
1997	48
1998	48
1999	49
2000	57
2001	59
2002	60
2003	61
2004	61
2005	62
2006	63
2007	63
2008	64
2009	67
2010	69

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.