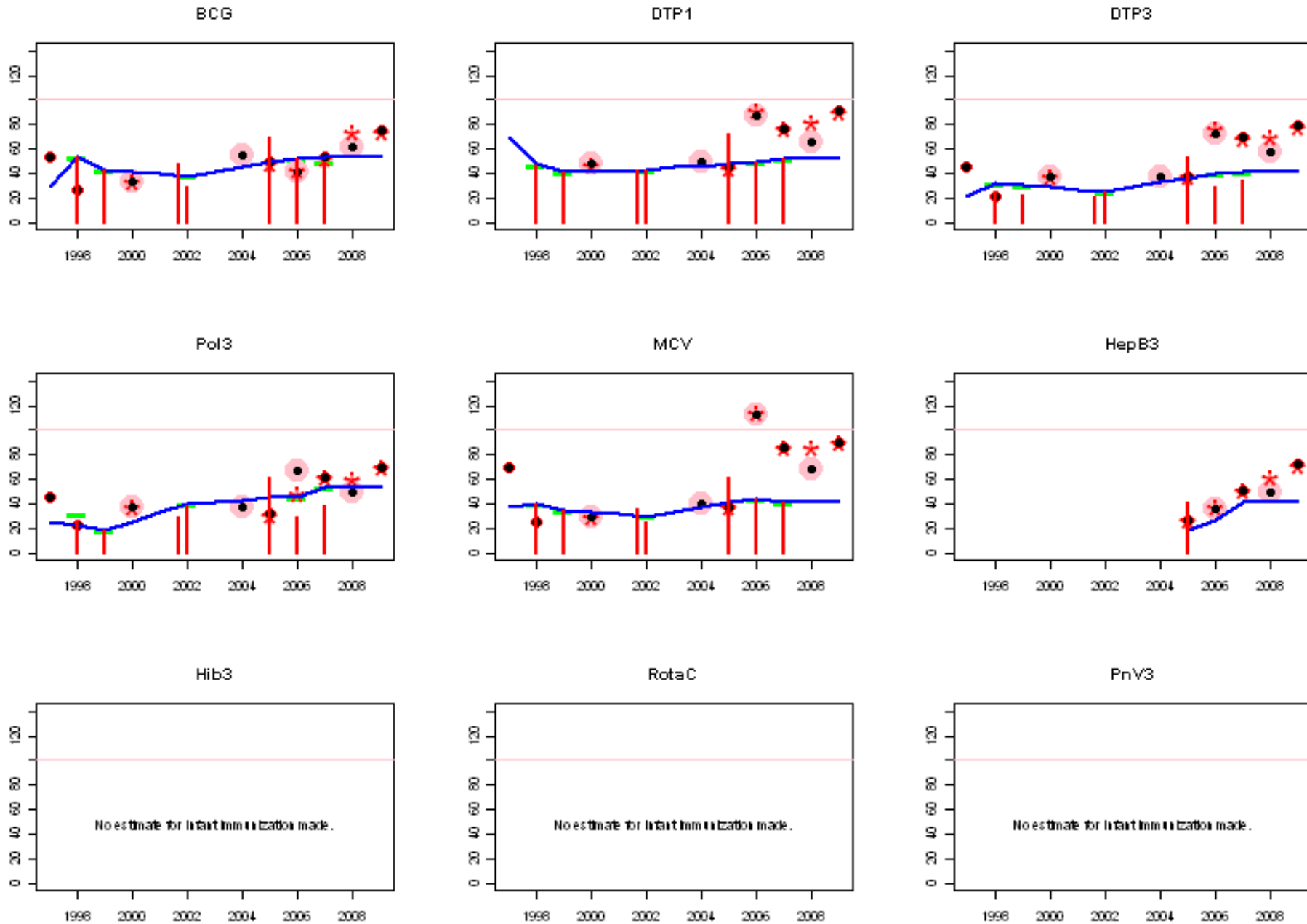
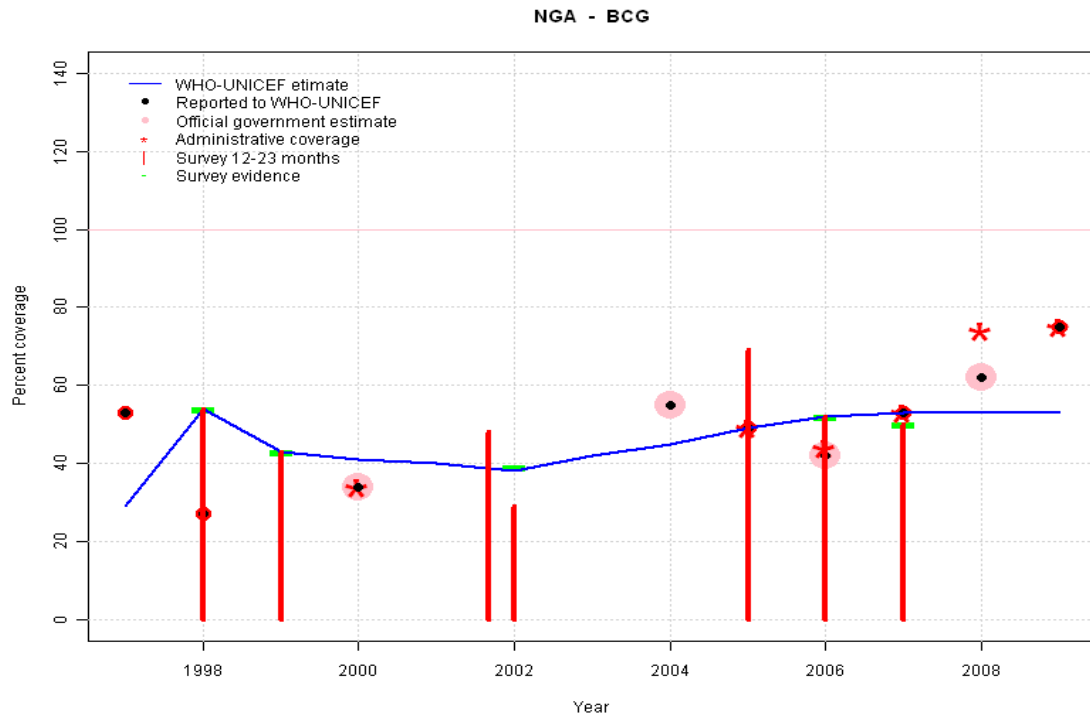


Nigeria: WHO and UNICEF estimates of immunization coverage, 1997 - 2009



Nigeria - BCG



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	29	54	43	41	40	38	42	45	49	52	53	53	53
Reported	53	27	NA	34	NA	NA	NA	55	49	42	53	62	75
Official	NA	NA	NA	34	NA	NA	NA	55	NA	42	NA	62	NA
Administrative	NA	NA	NA	34	NA	NA	NA	NA	49	44	53	74	75
Survey	NA	54	43	NA	NA	39	NA	NA	NA	52	50	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on survey results. Reported data (27 percent) not consistent with survey results (54 percent).

1999: Estimate based on survey results. Reported data (31 percent) not consistent with survey results (43 percent).

2000: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.

2001: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations 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 working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.

2004: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.

2005: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting. Survey results of 69 percent ignored by working group. Survey results not consistent with comparable survey data.

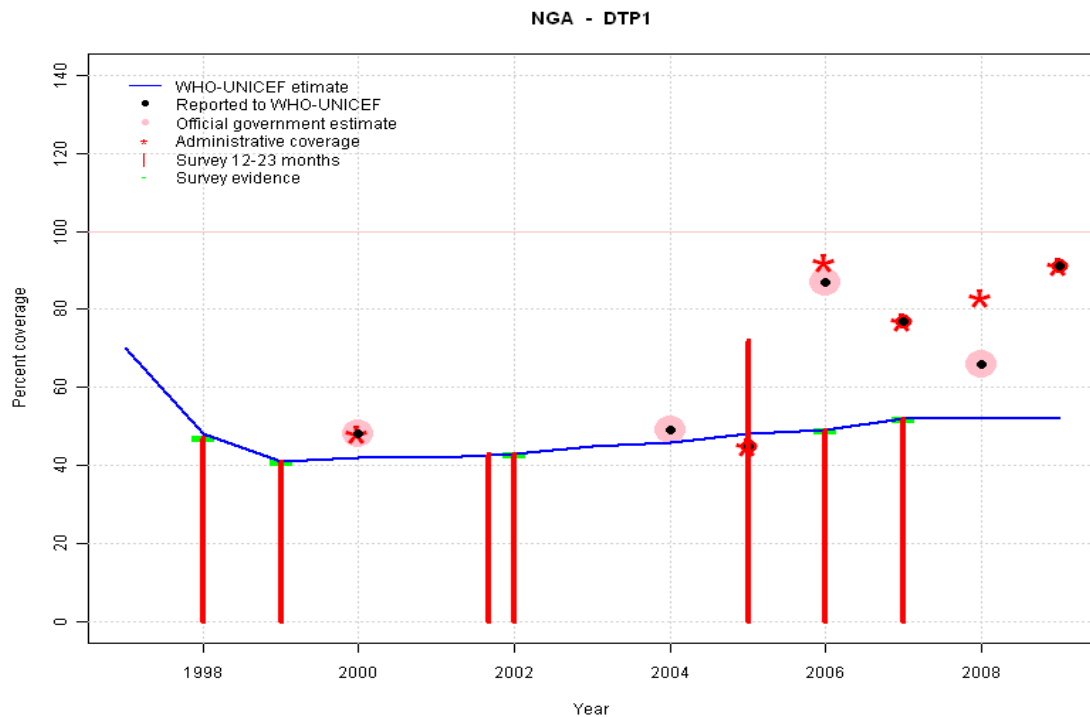
2006: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2007: Estimate based on reported data (53 percent) confirmed by survey (50 percent).

2008: Estimate based on trend in reported data. Missing or ignored reported value estimated by extrapolation from 2007 reported value of 53 percent. 2008 reported data (62 percent) ignored by working group. Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.

2009: Estimate based on trend in reported data. Missing or ignored reported value estimated by extrapolation from 2007 reported value of 53 percent. 2009 reported data (75 percent) inconsistent with data from other years. 2009 reported data (75 percent) ignored by working group. Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.

Nigeria - DTP1

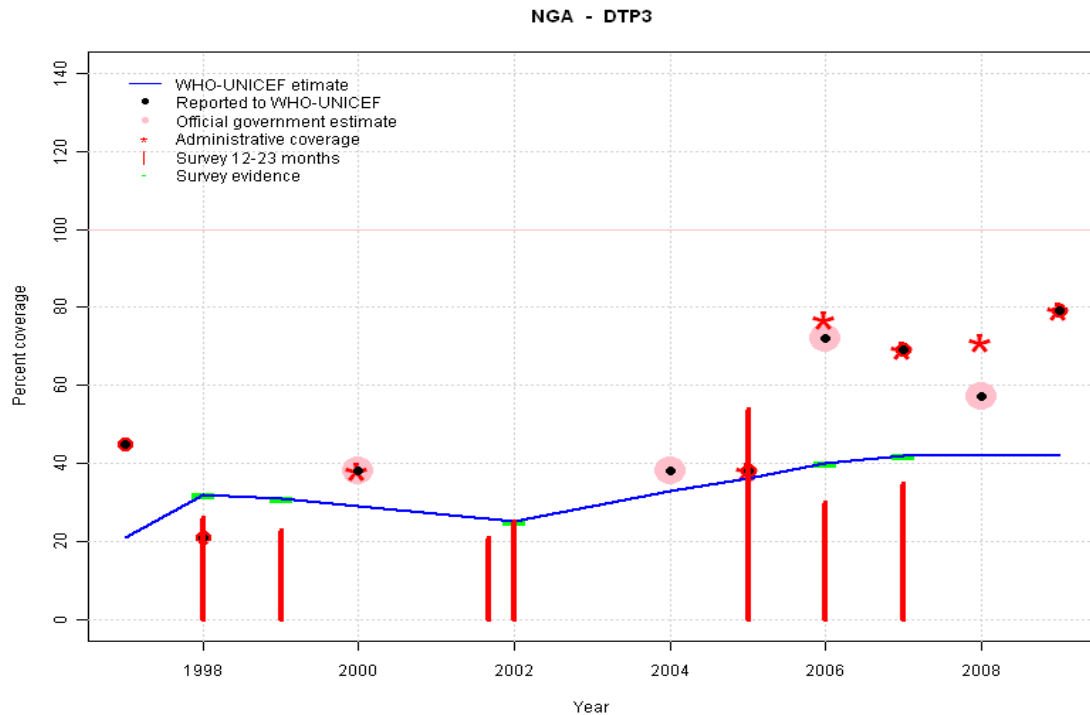


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	70	48	41	42	42	43	45	46	48	49	52	52	52
Reported	NA	NA	NA	48	NA	NA	NA	49	45	87	77	66	91
Official	NA	NA	NA	48	NA	NA	NA	49	NA	87	NA	66	NA
Administrative	NA	NA	NA	48	NA	NA	NA	NA	45	92	77	83	91
Survey	NA	47	41	NA	NA	43	NA	NA	NA	49	52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

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on interpolated value between reported data. Survey (47 percent) confirms trend in reported data.
- 1999: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.
- 2000: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2001: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations 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 working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2004: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2005: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting. Survey results of 72 percent ignored by working group. Survey results not consistent with comparable survey data.
- 2006: Estimate based on survey results. Reported data (87 percent) not consistent with survey results (49 percent).
- 2007: Estimate based on survey results. Reported data (77 percent) not consistent with survey results (52 percent).
- 2008: Estimate extrapolated from 2007 level (52 percent). 2008 reported data (66 percent) inconsistent with data from other years.
- 2009: Estimate extrapolated from 2007 level (52 percent). 2009 reported data (91 percent) inconsistent with data from other years.

Nigeria - DTP3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	21	32	31	29	27	25	29	33	36	40	42	42	42
Reported	45	21	NA	38	NA	NA	NA	38	38	72	69	57	79
Official	NA	NA	NA	38	NA	NA	NA	38	NA	72	NA	57	NA
Administrative	NA	NA	NA	38	NA	NA	NA	NA	38	77	69	71	79
Survey	NA	32	31	NA	NA	25	NA	NA	NA	40	42	NA	NA

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on survey results. Reported data (21 percent) not consistent with survey results (32 percent). Survey results (26 percent) adjusted for recall bias to 32 percent based on first dose card or history coverage (47 percent) and documented drop-out between first (16 percent) and third (11 percent) doses.
- 1999: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results (23 percent) adjusted for recall bias to 31 percent based on first dose card or history coverage (41 percent) and documented drop-out between first (16 percent) and third (12 percent) doses.
- 2000: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2001: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2002: Estimate based on survey results. Reported data (38 percent) not consistent with survey results (25 percent). 2 surveys, results = 25, 24, mean = 25 percent. Survey results (21 percent) adjusted for recall bias to 24 percent based on first dose card or history coverage (43 percent) and documented drop-out between first (18 percent) and third (10 percent) doses.
- 2003: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2004: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2005: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting. Survey results of 54 percent ignored by working group. Survey results not consistent with comparable survey data.
- 2006: Estimate based on survey results. Reported data (72 percent) not consistent with survey results (40 percent). Survey results (30 percent) adjusted for recall bias to 40 percent based on first dose card or history coverage (49 percent) and documented drop-out between first (17 percent) and third (14 percent) doses.
- 2007: Estimate based on survey results. Reported data (69 percent) not consistent with survey results (42 percent). Survey results (35 percent) adjusted for recall bias to 42 percent based on first dose card or history coverage (52

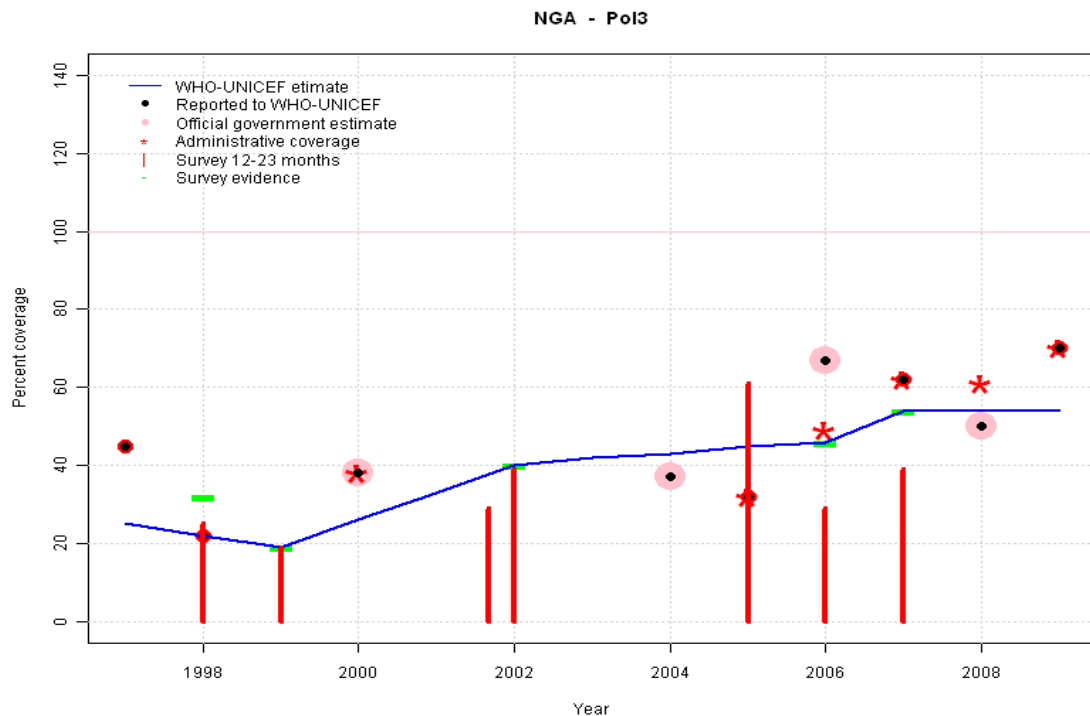
Nigeria - DTP3

percent) and documented drop-out between first (25 percent) and third (20 percent) doses.

2008: Estimate extrapolated from 2007 level (42 percent). 2008 reported data (57 percent) inconsistent with data from other years.

2009: Estimate extrapolated from 2007 level (42 percent). 2009 reported data (79 percent) inconsistent with data from other years.

Nigeria - Pol3



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

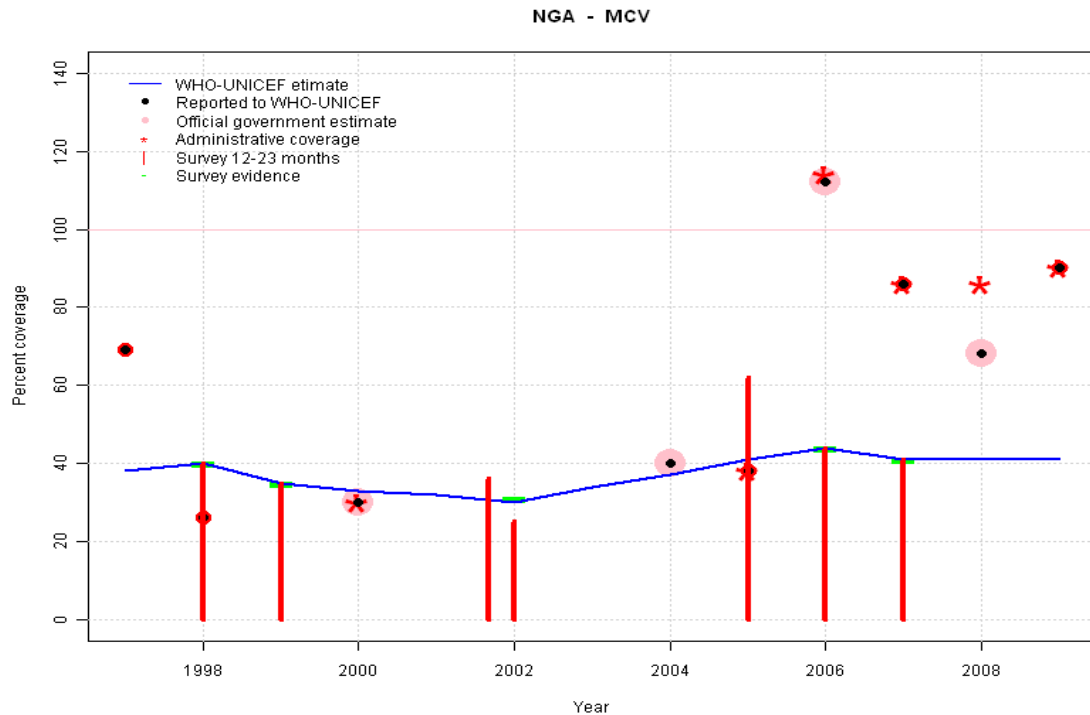
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data (22 percent) confirmed by survey (32 percent). Survey results (25 percent) adjusted for recall bias to 32 percent based on first dose card or history coverage (57 percent) and documented drop-out between first (18 percent) and third (10 percent) doses.
- 1999: Estimate based on survey results. Reported data (30 percent) not consistent with survey results (19 percent).
- 2000: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2001: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations 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 (29 percent) adjusted for recall bias to 41 percent based on first dose card or history coverage (67 percent) and documented drop-out between first (18 percent) and third (11 percent) doses.
- 2003: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2004: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2005: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting. Survey results of 61 percent ignored by working group. Survey results not consistent with comparable survey data.
- 2006: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results (29 percent) adjusted for recall bias to 46 percent based on first dose card or history coverage (56 percent) and documented drop-out between first (16 percent) and third (13 percent) doses.
- 2007: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting. Survey results (39 percent) adjusted for recall bias to 54 percent based on first dose card or history coverage (68 percent) and documented drop-out between first (24 percent) and third (19 percent) doses.
- 2008: Estimate extrapolated from 2007 level (54 percent). 2008 reported data (50 percent) inconsistent with data from other years.

Nigeria - Pol3

2009: Estimate extrapolated from 2007 level (54 percent). 2009 reported data (70 percent) inconsistent with data from other years.

Nigeria - MCV

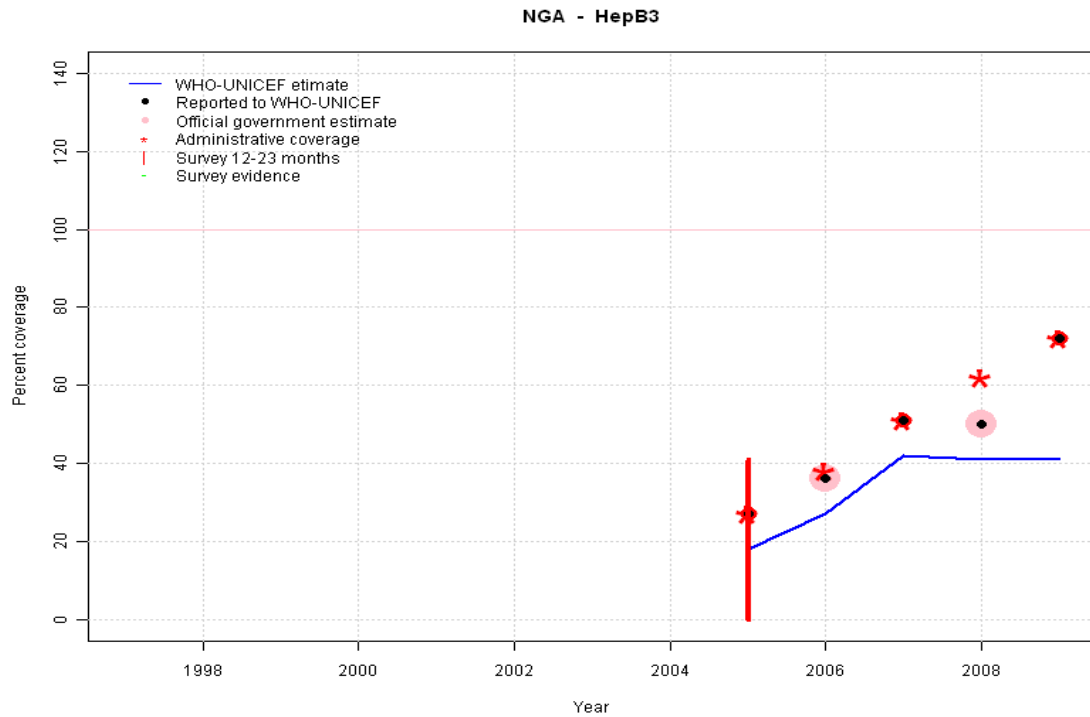


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	38	40	35	33	32	30	34	37	41	44	41	41	41
Reported	69	26	NA	30	NA	NA	NA	40	38	112	86	68	90
Official	NA	NA	NA	30	NA	NA	NA	40	NA	112	NA	68	NA
Administrative	NA	NA	NA	30	NA	NA	NA	NA	38	114	86	86	90
Survey	NA	40	35	NA	NA	31	NA	NA	NA	44	41	NA	NA

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on survey results. Reported data (26 percent) not consistent with survey results (40 percent).
- 1999: Anchor point resolved to survey data. Fluctuations in reported data suggest poor quality administrative recording and reporting.
- 2000: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2001: Estimate based on working group decision to interpolated between 1999 and 2002. Estimates based on survey results. Flucations 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 working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2004: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting.
- 2005: Estimate based on working group decision to interpolated between 2002 and 2006. Estimates based on survey results. Flucations in reported data suggest poor quality administrative recording and reporting. Survey results of 62 percent ignored by working group. Survey results not consistent with comparable survey data.
- 2006: Estimate based on survey results. Reported data (62 percent) not consistent with survey results (44 percent). 2006 reported data (112 percent) ignored; greater than 100 percent. 2006 reported data (112 percent) inconsistent with data from other years.
- 2007: Estimate based on survey results. Reported data (86 percent) not consistent with survey results (41 percent).
- 2008: Estimate extrapolated from 2007 level (41 percent). 2008 reported data (68 percent) inconsistent with data from other years.
- 2009: Estimate extrapolated from 2007 level (41 percent). 2009 reported data (90 percent) inconsistent with data from other years.

Nigeria - HepB3

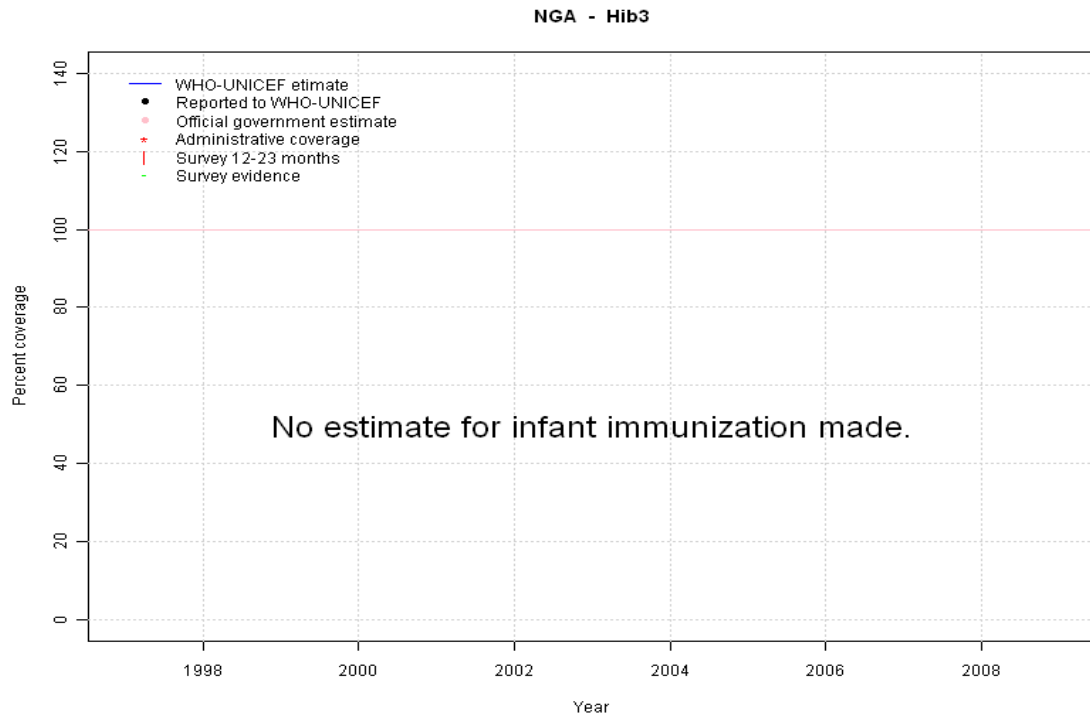


Description:

- 2005: Estimate calibrated to 2007 level (42 percent) and reported coverage (27 percent). Survey results of 41 percent ignored by working group. Survey results not consistent with comparable survey data. HepB introduced in 2004. Reporting started in 2005.
- 2006: Estimate calibrated to 2007 level (42 percent) and reported coverage (36 percent).
- 2007: Introduction of HepB3 to DTP3 levels.
- 2008: Estimate calibrated to 2007 level (42 percent) and reported coverage (50 percent).
- 2009: Estimate calibrated to 2007 level (42 percent) and reported coverage (50 percent). 2009 reported data (72 percent) inconsistent with data from other years.

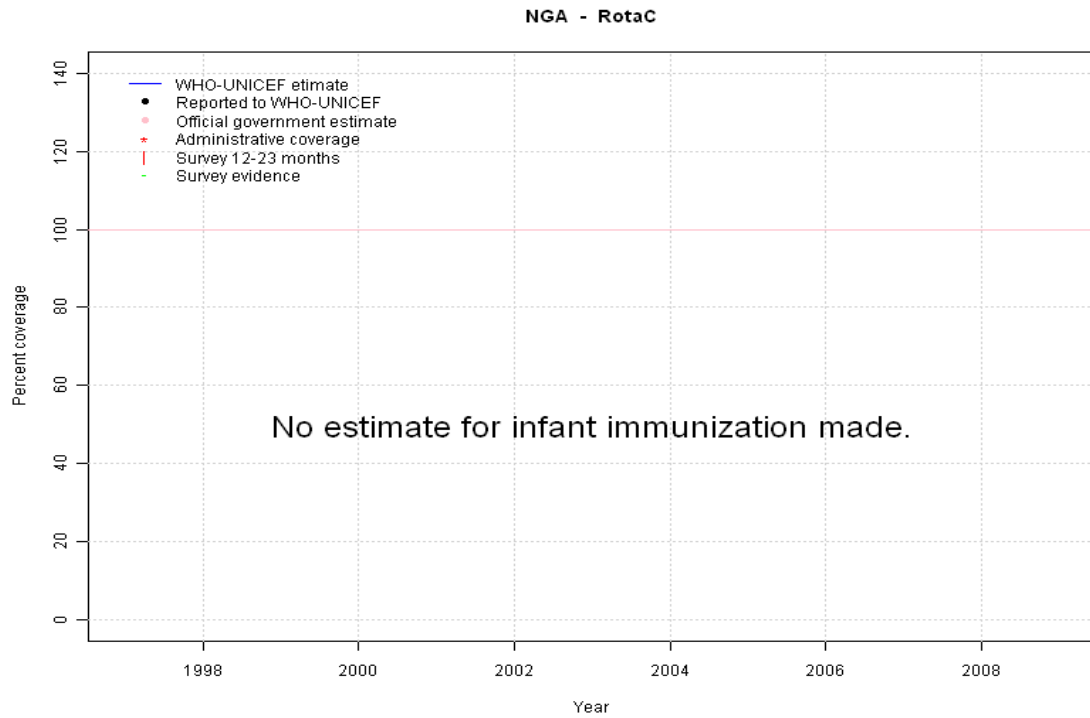
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	18	27	42	41	41
Reported	NA	NA	NA	NA	NA	NA	NA	NA	27	36	51	50	72
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	36	NA	50	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	27	38	51	62	72
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA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

Nigeria - Hib3



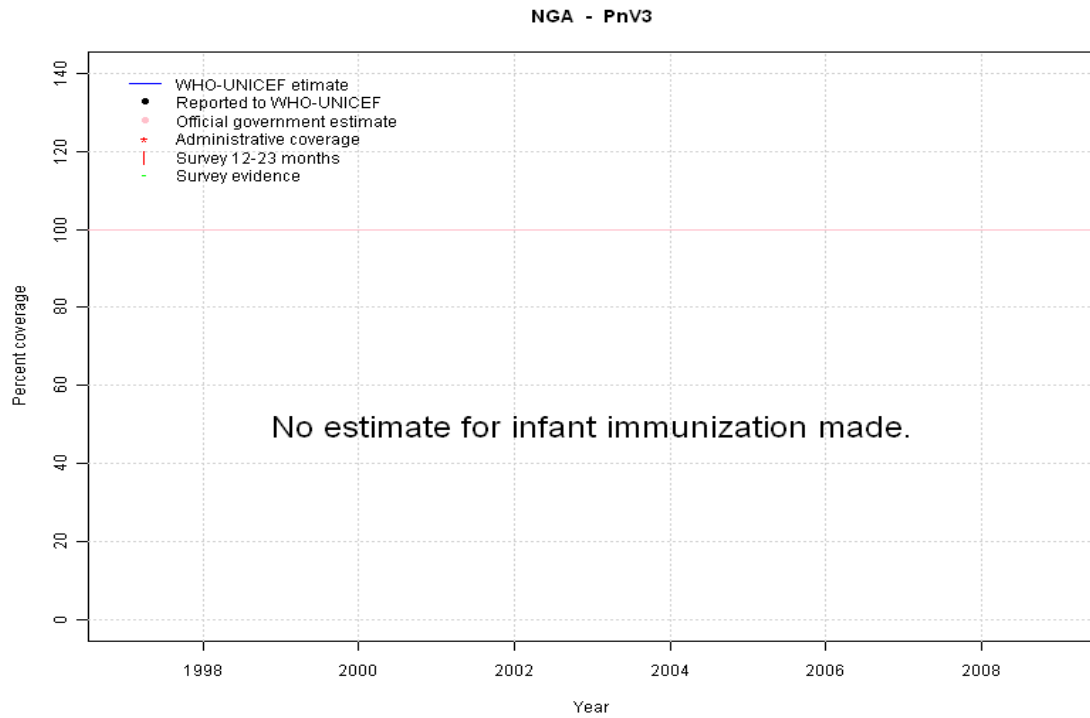
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA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

Nigeria - 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

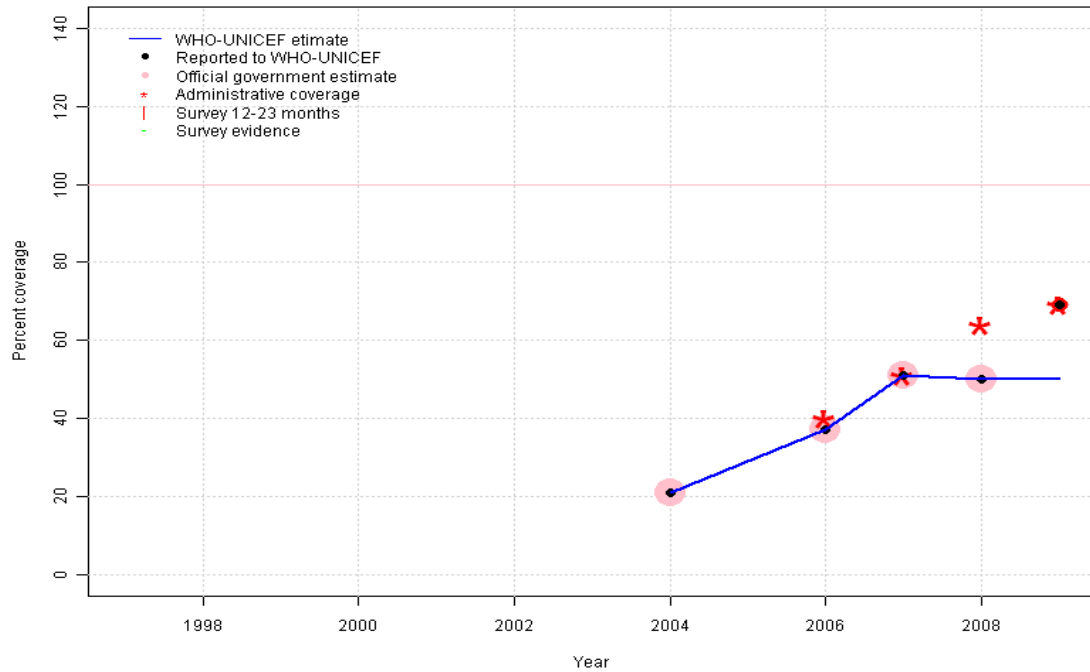
Nigeria - PnV3



	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

Nigeria - YFV

NGA - YFV



Description:

- 2004: Estimate based on trend in reported data. YFV introduced in 2004
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on trend in reported data. Missing or ignored reported value estimated by extrapolation from 2008 reported value of 50 percent. 2009 reported data (69 percent) inconsistent with data from other years.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	21	NA	37	51	50	50
Reported	NA	NA	NA	NA	NA	NA	NA	21	NA	37	51	50	69
Official	NA	NA	NA	NA	NA	NA	NA	21	NA	37	51	50	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	40	51	64	69
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Nigeria - survey details

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	History	27	12-23 m	4945	26
DTP1	Card or History	52	12-23 m	4945	26
DTP1	C or H <12 months	49	12-23 m	4945	26
DTP3	Card or History	35	12-23 m	4945	26
DTP3	History	15	12-23 m	4945	26
DTP3	C or H <12 months	33	12-23 m	4945	26
DTP3	Card	20	12-23 m	4945	26
MCV	C or H <12 months	34	12-23 m	4945	26
MCV	Card or History	41	12-23 m	4945	26
MCV	History	22	12-23 m	4945	26
MCV	Card	19	12-23 m	4945	26
Pol1	History	43	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	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	Card	19	12-23 m	4945	26
Pol3	C or H <12 months	36	12-23 m	4945	26

2006 Nigeria Multiple Indicator Cluster Survey 2007, Preliminary Report

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

2005 Nigeria National Immunization Coverage Survey (2006)

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 or History	72	12-23 m	23414	50
DTP1	Card	36	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 or History	62	12-23 m	23414	50
MCV	Card	26	12-23 m	23414	50
Pol1	Card or History	78	12-23 m	23414	50
Pol1	Card	32	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

Nigeria - survey details

YFV	Card or History	43	12-23 m	23414	50
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Pol1	Card or History	63	12-23 m	40777	28
Pol3	Card or History	39	12-23 m	40777	28

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	History	28	12-23 m	999	21
BCG	C or H <12 months	47	12-23 m	999	21
BCG	Card	20	12-23 m	999	21
DTP1	C or H <12 months	39	12-23 m	999	21
DTP1	History	25	12-23 m	999	21
DTP1	Card	18	12-23 m	999	21
DTP1	Card or History	43	12-23 m	999	21
DTP3	Card	10	12-23 m	999	21
DTP3	C or H <12 months	20	12-23 m	999	21
DTP3	History	11	12-23 m	999	21
DTP3	Card or History	21	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	History	49	12-23 m	999	21
Pol1	Card or History	67	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
Pol3	History	19	12-23 m	999	21
Pol3	C or H <12 months	27	12-23 m	999	21
Pol3	Card or History	29	12-23 m	999	21
Pol3	Card	11	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

1999 MICS Nigeria, 1999

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

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	C or H <12 months	46	12-23 m	1161	0
DTP1	Card	16	12-23 m	1161	0
DTP1	Card or History	47	12-23 m	1161	0
DTP3	History	16	12-23 m	1161	0
DTP3	Card or History	26	12-23 m	1161	0
DTP3	Card	11	12-23 m	1161	0
DTP3	C or H <12 months	25	12-23 m	1161	0
MCV	History	27	12-23 m	1161	0

Nigeria - survey details

MCV	Card or History	40	12-23 m	1161	0
MCV	Card	13	12-23 m	1161	0
MCV	C or H <12 months	32	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
Pol1	Card	18	12-23 m	1161	0

Pol1	Card or History	57	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
Pol3	C or H <12 months	23	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

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.