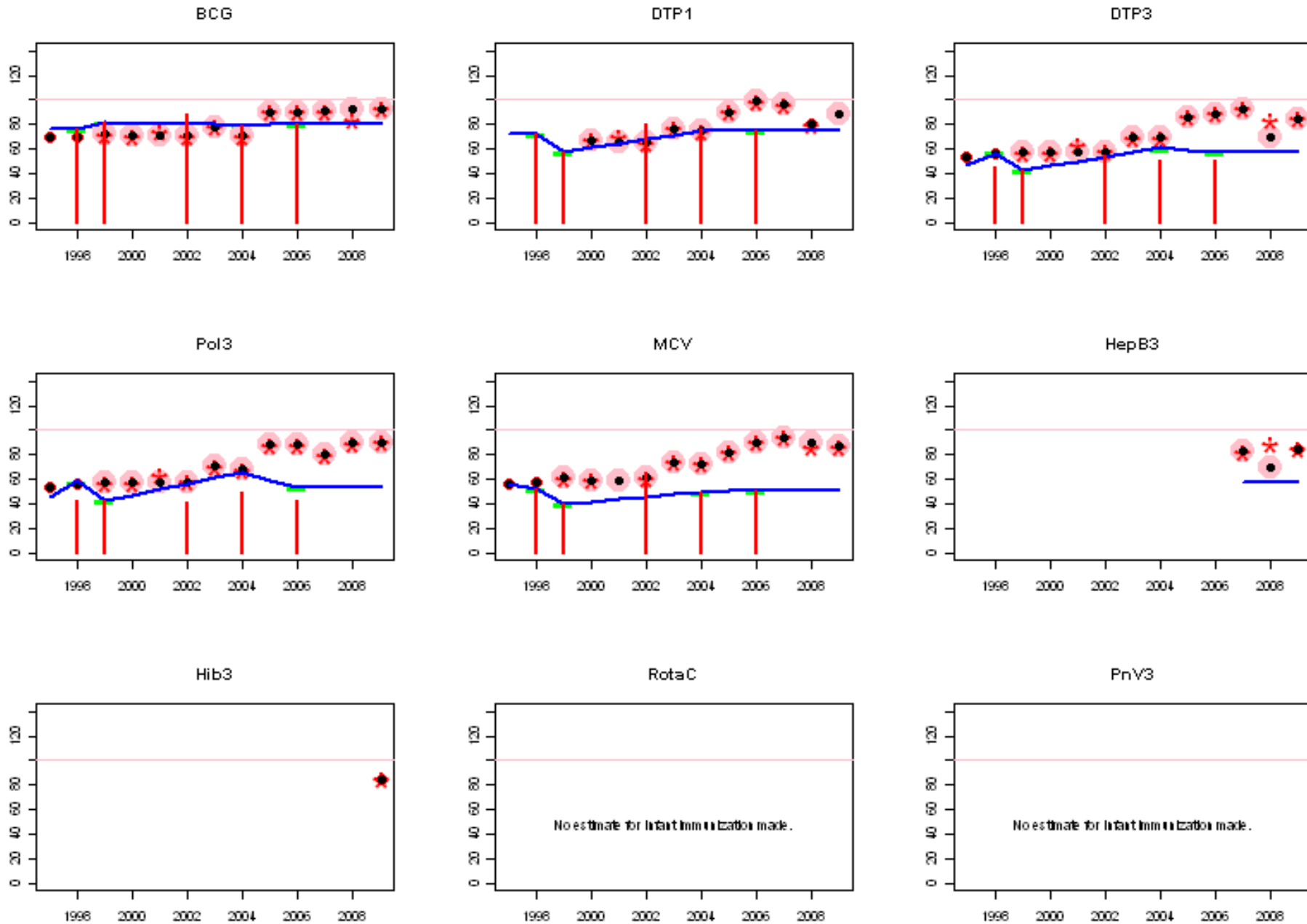
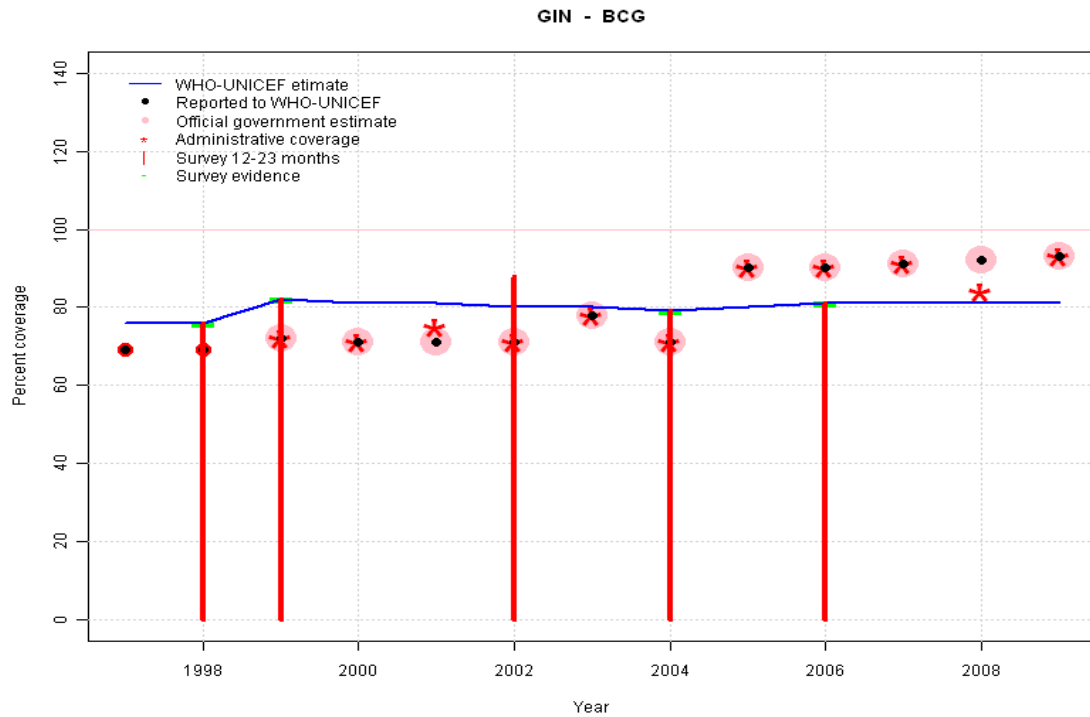


Guinea: WHO and UNICEF estimates of immunization coverage, 1997 - 2009



Guinea - BCG



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	76	76	82	81	81	80	80	79	80	81	81	81	81
Reported	69	69	72	71	71	71	78	71	90	90	91	92	93
Official	NA	NA	72	71	71	71	78	71	90	90	91	92	93
Administrative	NA	NA	72	71	75	71	78	71	90	90	91	84	93
Survey	NA	76	82	NA	NA	NA	NA	79	NA	81	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate is based on survey results

1999: Estimate is based on survey results

2000: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2001: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2002: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens. Survey results of 88 percent with sample size 0 ignored; sample size less than 300.

2003: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2004: Estimate is based on survey results

2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.

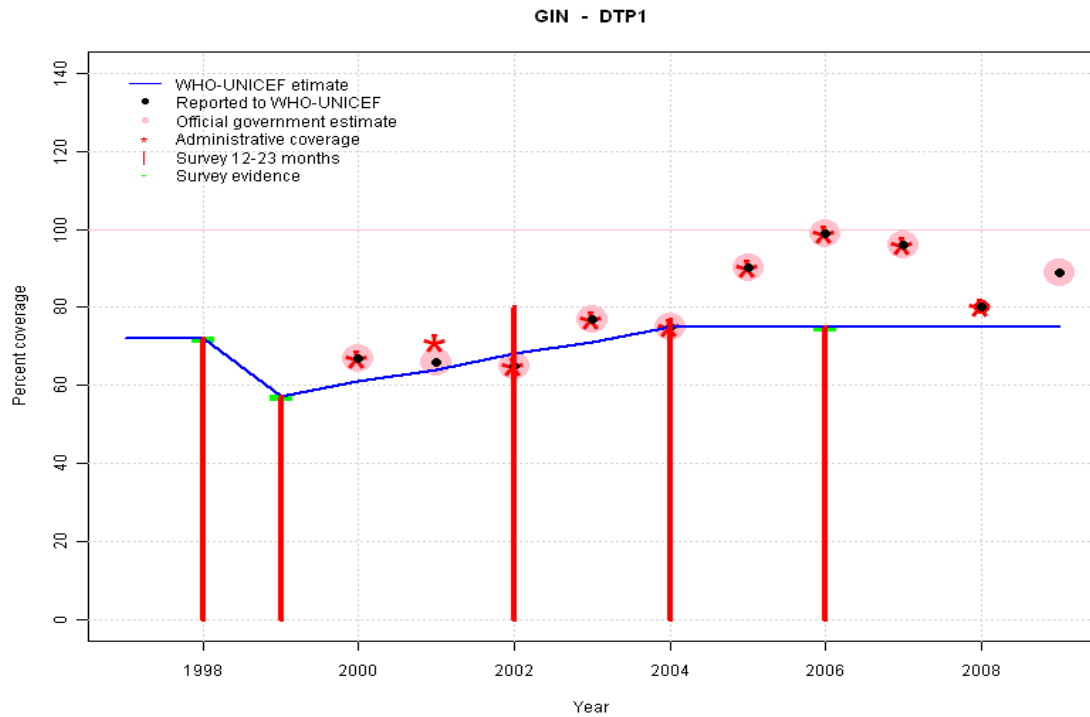
2006: Estimate is based on survey results

2007: Estimate extrapolated from 2006 level (81 percent).

2008: Estimate extrapolated from 2006 level (81 percent). One-month vaccine shortage reported. Nationally reported data not sufficient to calculate stock-out adjustment. Estimate is based on interpolation between the adjacent years.

2009: Estimate extrapolated from 2006 level (81 percent).

Guinea - DTP1



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	72	72	57	61	64	68	71	75	75	75	75	75	75
Reported	NA	NA	NA	67	66	65	77	75	90	99	96	80	89
Official	NA	NA	NA	67	66	65	77	75	90	99	96	NA	89
Administrative	NA	NA	NA	67	71	65	77	75	90	99	96	80	NA
Survey	NA	72	57	NA	NA	NA	NA	77	NA	75	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate is based on survey results

1999: Estimate is based on survey results

2000: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2001: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2002: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens. Survey results of 80 percent with sample size 0 ignored; sample size less than 300.

2003: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2004: Estimate based on reported data (75 percent) confirmed by survey (77 percent).

2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.

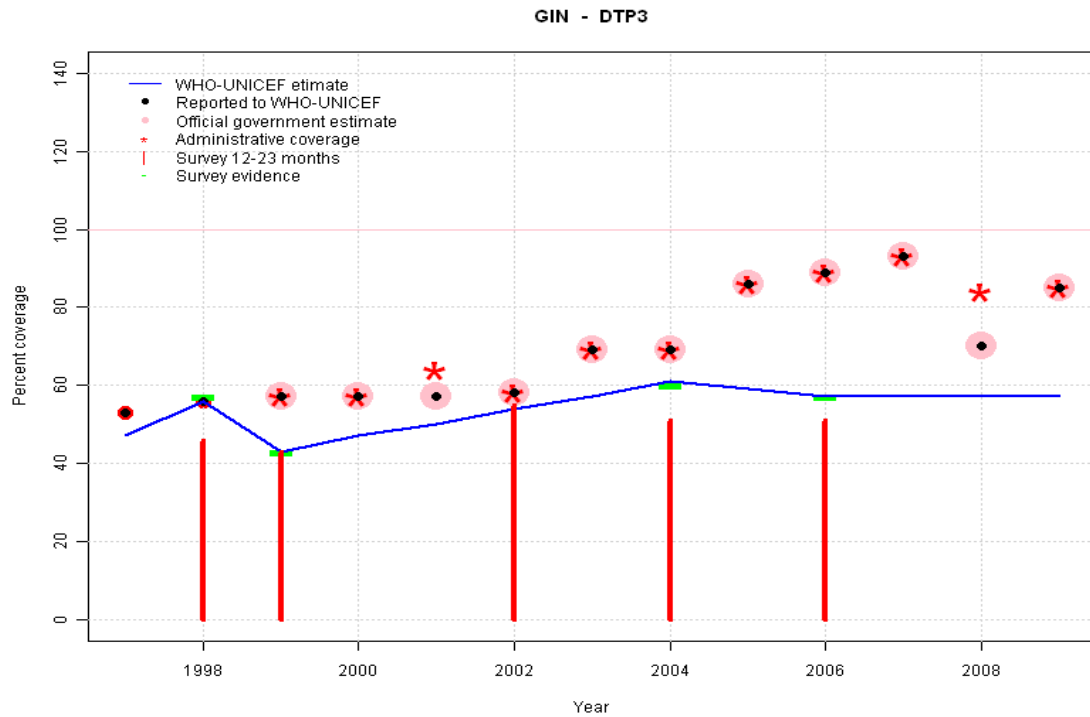
2006: Estimate based on survey results. Reported data (99 percent) not consistent with survey results (75 percent).

2007: Estimate extrapolated from 2006 level (75 percent).

2008: Estimate extrapolated from 2006 level (75 percent). One-month vaccine shortage reported. Nationally reported data not sufficient to calculate stock-out adjustment. Estimate is based on interpolation between the adjacent years.

2009: Estimate extrapolated from 2006 level (75 percent).

Guinea - DTP3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	47	56	43	47	50	54	57	61	59	57	57	57	57
Reported	53	56	57	57	57	58	69	69	86	89	93	70	85
Official	NA	NA	57	57	57	58	69	69	86	89	93	70	85
Administrative	NA	NA	57	57	64	58	69	69	86	89	93	84	85
Survey	NA	57	43	NA	NA	NA	NA	60	NA	57	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on reported data (56 percent) confirmed by survey (57 percent). Survey results (46 percent) adjusted for recall bias to 57 percent based on first dose card or history coverage (72 percent) and documented drop-out between first (44 percent) and third (35 percent) doses.

1999: Estimate based on survey results. Reported data (57 percent) not consistent with survey results (43 percent).

2000: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2001: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2002: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens. Survey results of 55 percent with sample size 0 ignored; sample size less than 300.

2003: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2004: Estimate is based on survey results Survey results (51 percent) adjusted for recall bias to 60 percent based on first dose card or history coverage (77 percent) and documented drop-out between first (51 percent) and third (40 percent) doses.

2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.

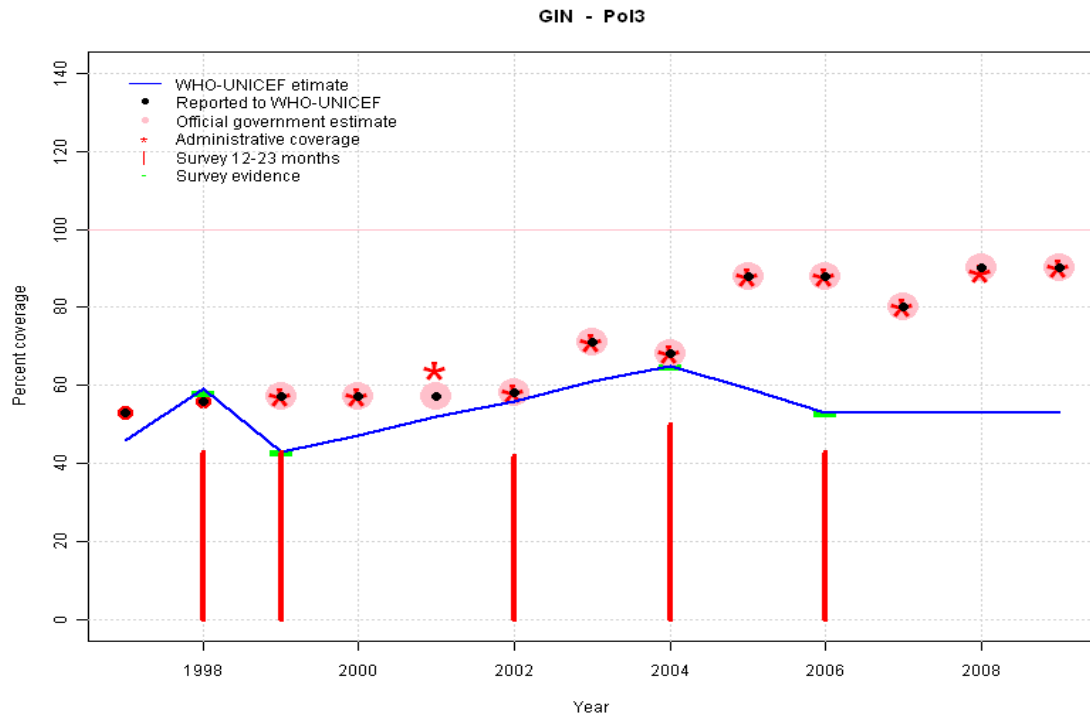
2006: Estimate based on survey results. Reported data (89 percent) not consistent with survey results (57 percent). Survey results (51 percent) adjusted for recall bias to 57 percent based on first dose card or history coverage (75 percent) and documented drop-out between first (47 percent) and third (36 percent) doses.

2007: Estimate extrapolated from 2006 level (57 percent).

2008: Estimate extrapolated from 2006 level (57 percent). 2008 reported data (70 percent) inconsistent with data from other years. One-month vaccine shortage reported. Nationally reported data not sufficient to calculate stock-out adjustment. Estimate is based on interpolation between the adjacent years.

2009: Estimate extrapolated from 2006 level (57 percent). 2009 reported data (85 percent) inconsistent with data from other years.

Guinea - Pol3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	46	59	43	47	52	56	61	65	59	53	53	53	53
Reported	53	56	57	57	57	58	71	68	88	88	80	90	90
Official	NA	NA	57	57	57	58	71	68	88	88	80	90	90
Administrative	NA	NA	57	57	64	58	71	68	88	88	80	89	90
Survey	NA	58	43	NA	NA	NA	NA	65	NA	53	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate is based on survey results Survey results (43 percent) adjusted for recall bias to 58 percent based on first dose card or history coverage (75 percent) and documented drop-out between first (45 percent) and third (35 percent) doses.

1999: Estimate based on survey results. Reported data (57 percent) not consistent with survey results (43 percent).

2000: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2001: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2002: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens. Survey results of 42 percent with sample size 0 ignored; sample size less than 300.

2003: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2004: Estimate is based on survey results Survey results (50 percent) adjusted for recall bias to 65 percent based on first dose card or history coverage (83 percent) and documented drop-out between first (52 percent) and third (41 percent) doses.

2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.

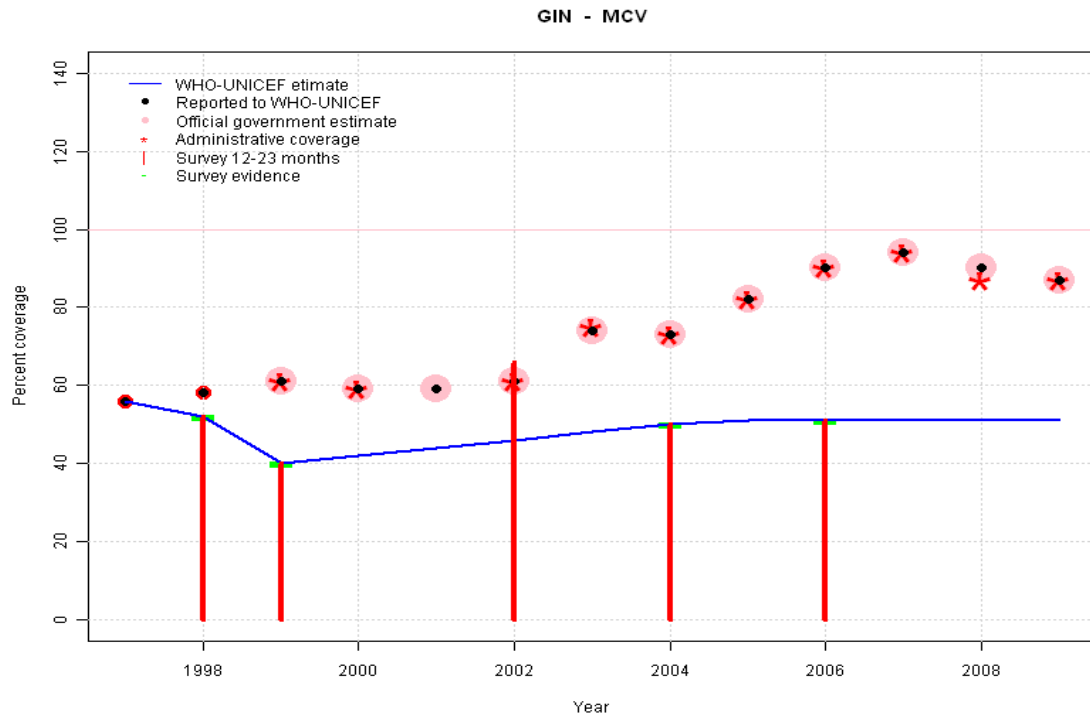
2006: Estimate based on survey results. Reported data (88 percent) not consistent with survey results (53 percent). Survey results (43 percent) adjusted for recall bias to 53 percent based on first dose card or history coverage (67 percent) and documented drop-out between first (47 percent) and third (37 percent) doses.

2007: Estimate extrapolated from 2006 level (53 percent).

2008: Estimate extrapolated from 2006 level (53 percent).

2009: Estimate extrapolated from 2006 level (53 percent).

Guinea - MCV



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	56	52	40	42	44	46	48	50	51	51	51	51	51
Reported	56	58	61	59	59	61	74	73	82	90	94	90	87
Official	NA	NA	61	59	59	61	74	73	82	90	94	90	87
Administrative	NA	NA	61	59	NA	61	75	73	82	90	94	87	87
Survey	NA	52	40	NA	NA	NA	NA	50	NA	51	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate is based on survey results

1999: Estimate based on survey results. Reported data (61 percent) not consistent with survey results (40 percent).

2000: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2001: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2002: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens. Survey results of 66 percent with sample size 0 ignored; sample size less than 300.

2003: Estimate based on working group decision to interpolated between 1999 and 2004. Trends between survey and reporting data are inconsistent across antigens.

2004: Estimate based on survey results. Reported data (73 percent) not consistent with survey results (50 percent).

2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.

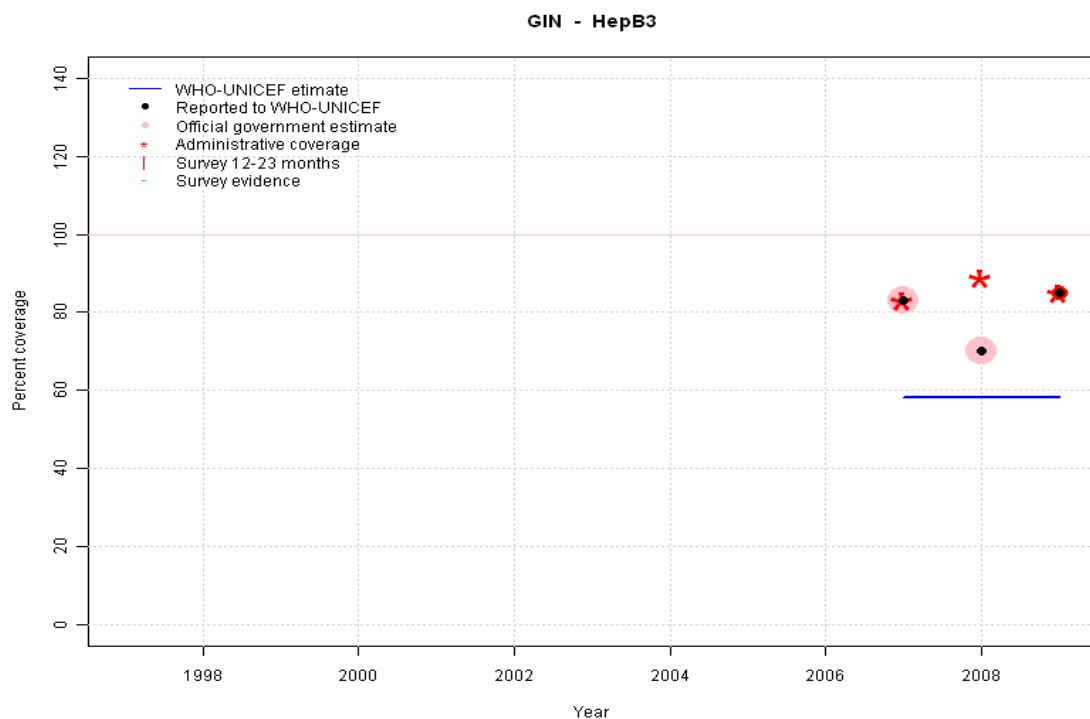
2006: Estimate based on survey results. Reported data (90 percent) not consistent with survey results (51 percent).

2007: Estimate extrapolated from 2006 level (51 percent).

2008: Estimate extrapolated from 2006 level (51 percent).

2009: Estimate extrapolated from 2006 level (51 percent).

Guinea - HepB3



Description:

2007: Estimate assigned by working group. Estimate is based on DTP3 levels of coverage. HepB introduced in 2006. Reporting started in 2007.

2008: Estimate assigned by working group. Estimate is based on DTP3 levels of coverage. 2008 reported data (70 percent) inconsistent with data from other years.

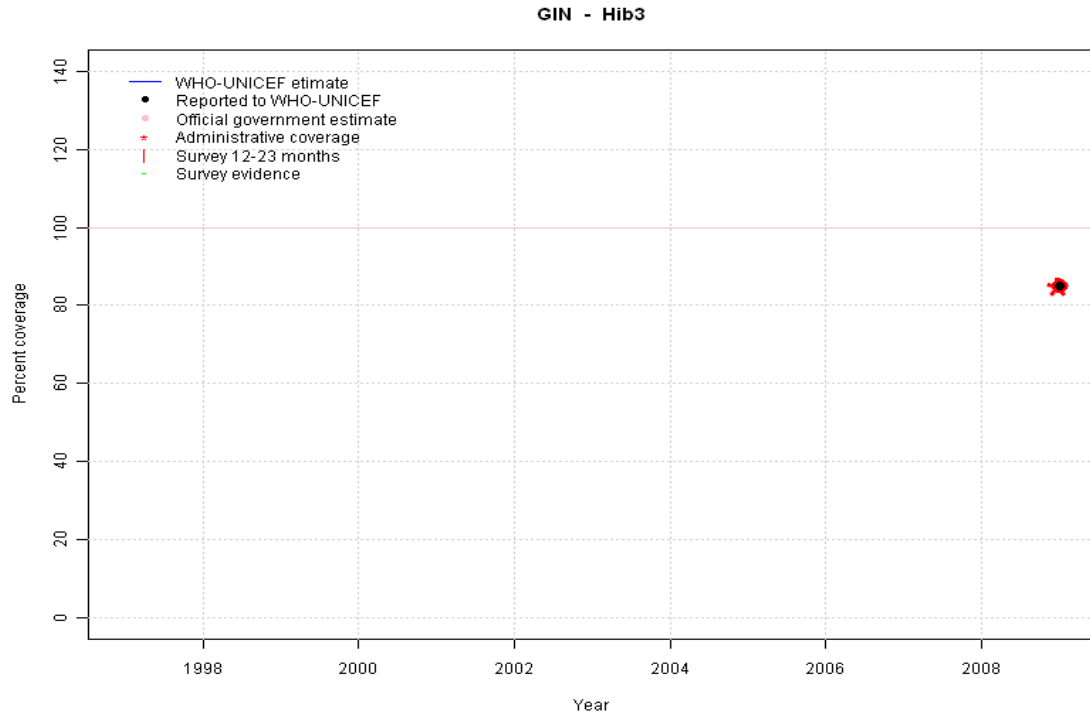
2009: Estimate assigned by working group. Estimate is based on DTP3 levels of coverage. 2009 reported data (85 percent) inconsistent with data from other years.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	58	58	58
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83	70	85
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83	70	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	83	89	85
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Guinea - Hib3

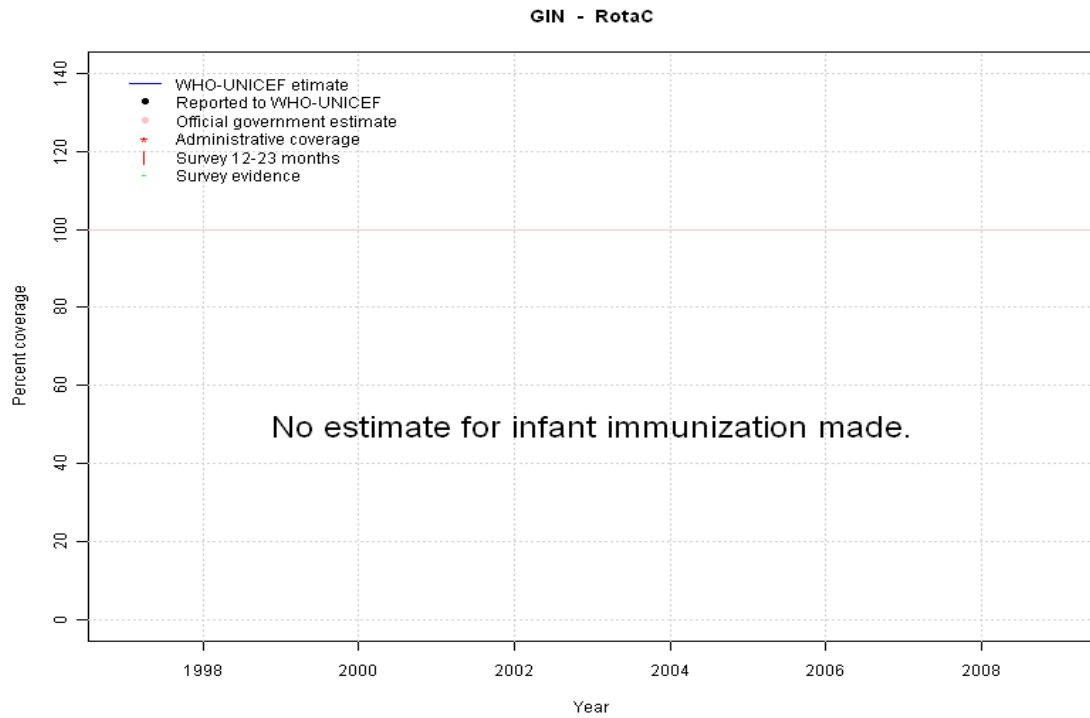
Description:

2009: Estimate assigned by working group. Estimate is based on DTP3 levels of coverage. Hib introduced in 2008. Reporting started in 2009. Vaccine presentation is DTP-HepB-Hib.



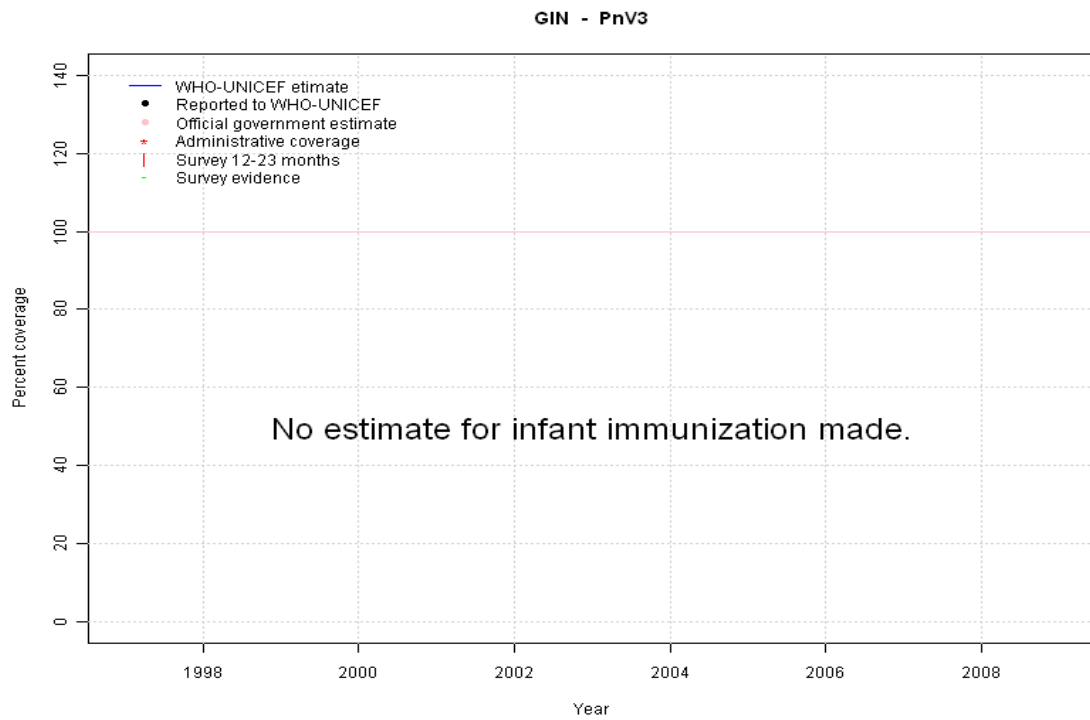
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	58
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	85
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Guinea - 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

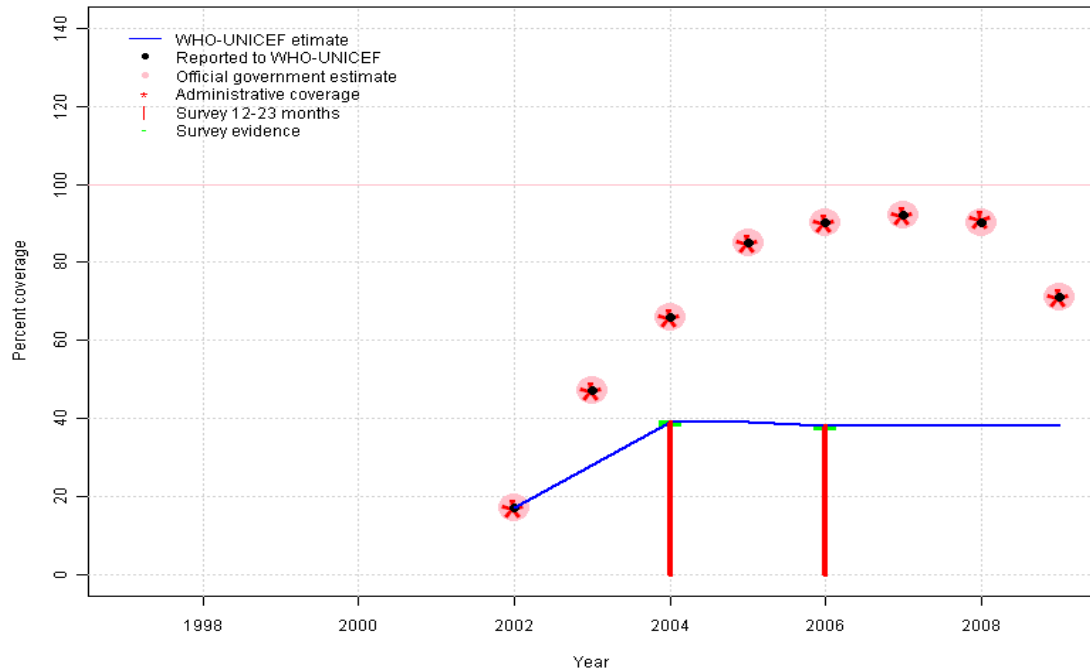
Guinea - PnV3



	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

Guinea - YFV

GIN - YFV



Description:

- 2002: Estimates follows the reported data in the introduction year. YFV partially introduced in 2002 nationally in 2003 reporting started in 2002
- 2003: Estimate based on working group decision to interpolated between 2002 and 2004. Trends between survey and reporting data are inconsistent across antigens.
- 2004: Estimate based on survey results. Reported data (66 percent) not consistent with survey results (39 percent).
- 2005: Estimate based on working group decision to interpolated between 2004 and 2006. Trends between survey and reporting data are inconsistent across antigens.
- 2006: Estimate based on survey results. Reported data (90 percent) not consistent with survey results (38 percent).
- 2007: Estimate extrapolated from 2006 level (38 percent).
- 2008: Estimate extrapolated from 2006 level (38 percent).
- 2009: Estimate extrapolated from 2006 level (38 percent). 2009 reported data (71 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	17	28	39	39	38	38	38	38
Reported	NA	NA	NA	NA	NA	17	47	66	85	90	92	90	71
Official	NA	NA	NA	NA	NA	17	47	66	85	90	92	90	71
Administrative	NA	NA	NA	NA	NA	17	47	66	85	90	92	91	71
Survey	NA	NA	NA	NA	NA	NA	NA	39	NA	38	NA	NA	NA

Guinea - survey details

2006 Republique de Guinée, Enquête nationale sur l'état nutritionnel et le suivi des principaux indicateurs de survie de l'enfant, Rapport provisoire 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	81	12-23 m	2474	52
BCG	Card	50	12-23 m	2474	52
BCG	Card or History	81	12-23 m	2474	52
BCG	History	31	12-23 m	2474	52
DTP1	Card or History	75	12-23 m	2474	52
DTP1	History	28	12-23 m	2474	52
DTP1	Card	47	12-23 m	2474	52
DTP1	C or H <12 months	66	12-23 m	2474	52
DTP3	Card	36	12-23 m	2474	52
DTP3	Card or History	51	12-23 m	2474	52
DTP3	History	14	12-23 m	2474	52
DTP3	C or H <12 months	43	12-23 m	2474	52
HepB1	History	12	12-23 m	2474	52
HepB1	C or H <12 months	20	12-23 m	2474	52
HepB1	Card	20	12-23 m	2474	52
HepB1	Card or History	32	12-23 m	2474	52
HepB3	Card	11	12-23 m	2474	52
HepB3	C or H <12 months	11	12-23 m	2474	52
HepB3	History	6	12-23 m	2474	52
HepB3	Card or History	17	12-23 m	2474	52
MCV	C or H <12 months	37	12-23 m	2474	52
MCV	Card	32	12-23 m	2474	52
MCV	Card or History	51	12-23 m	2474	52
MCV	History	19	12-23 m	2474	52
Pol1	Card or History	67	12-23 m	2474	52
Pol1	History	20	12-23 m	2474	52
Pol1	Card	47	12-23 m	2474	52
Pol1	C or H <12 months	60	12-23 m	2474	52
Pol3	Card	37	12-23 m	2474	52
Pol3	Card or History	43	12-23 m	2474	52
Pol3	History	6	12-23 m	2474	52
Pol3	C or H <12 months	36	12-23 m	2474	52
YFV	History	14	12-23 m	2474	52
YFV	C or H <12 months	24	12-23 m	2474	52

YFV	Card	24	12-23 m	2474	52
YFV	Card or History	38	12-23 m	2474	52

2004 Enquête Démographique et de Santé, Guinée, 2005

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	History	27	12-23 m	1118	54
BCG	C or H <12 months	79	12-23 m	1118	54
BCG	Card or History	79	12-23 m	1118	54
BCG	Card	52	12-23 m	1118	54
DTP1	History	26	12-23 m	1118	54
DTP1	C or H <12 months	77	12-23 m	1118	54
DTP1	Card	51	12-23 m	1118	54
DTP1	Card or History	77	12-23 m	1118	54
DTP3	Card	40	12-23 m	1118	54
DTP3	Card or History	51	12-23 m	1118	54
DTP3	History	11	12-23 m	1118	54
DTP3	C or H <12 months	49	12-23 m	1118	54
MCV	History	16	12-23 m	1118	54
MCV	Card or History	50	12-23 m	1118	54
MCV	Card	34	12-23 m	1118	54
MCV	C or H <12 months	43	12-23 m	1118	54
Pol1	Card	52	12-23 m	1118	54
Pol1	Card or History	83	12-23 m	1118	54
Pol1	History	31	12-23 m	1118	54
Pol1	C or H <12 months	83	12-23 m	1118	54
Pol3	Card	41	12-23 m	1118	54
Pol3	History	9	12-23 m	1118	54
Pol3	Card or History	50	12-23 m	1118	54
Pol3	C or H <12 months	48	12-23 m	1118	54
YFV	Card or History	39	12-23 m	1118	54
YFV	History	12	12-23 m	1118	54
YFV	C or H <12 months	33	12-23 m	1118	54
YFV	Card	27	12-23 m	1118	54

2002 Guinea MICS 2003

Guinea - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	88	12-23 m	0	53
DTP1	Card or History	80	12-23 m	0	53
DTP3	Card or History	55	12-23 m	0	53
MCV	Card or History	66	12-23 m	0	53
Pol1	Card or History	76	12-23 m	0	53
Pol3	Card or History	42	12-23 m	0	53

1999 Revue du Programme Elargi de Vaccination, Guinea 2000, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	82	12-23 m	707	0
DTP1	Card or History	57	12-23 m	707	0
DTP3	Card or History	43	12-23 m	707	0
MCV	Card or History	40	12-23 m	707	0
Pol1	Card or History	56	12-23 m	707	0
Pol3	Card or History	43	12-23 m	707	0

1998 Enquête Démographique et de Santé Guinée 1999, 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	46	12-23 m	921	46
BCG	C or H <12 months	76	12-23 m	921	46
BCG	Card or History	76	12-23 m	921	46
BCG	History	30	12-23 m	921	46
BCG	C or H <12 months	74	24-35 m	985	37
BCG	C or H <12 months	68	36-47 m	1009	24
BCG	C or H <12 months	66	48-59 m	1032	20
DTP1	History	28	12-23 m	921	46
DTP1	Card or History	72	12-23 m	921	46
DTP1	C or H <12 months	71	12-23 m	921	46
DTP1	Card	44	12-23 m	921	46

DTP1	C or H <12 months	67	24-35 m	985	37
DTP1	C or H <12 months	63	36-47 m	1009	24
DTP1	C or H <12 months	61	48-59 m	1032	20
DTP3	C or H <12 months	43	12-23 m	921	46
DTP3	Card	35	12-23 m	921	46
DTP3	Card or History	46	12-23 m	921	46
DTP3	History	11	12-23 m	921	46
DTP3	C or H <12 months	39	24-35 m	985	37
DTP3	C or H <12 months	33	36-47 m	1009	24
DTP3	C or H <12 months	32	48-59 m	1032	20
MCV	Card or History	52	12-23 m	921	46
MCV	C or H <12 months	44	12-23 m	921	46
MCV	Card	32	12-23 m	921	46
MCV	History	20	12-23 m	921	46
MCV	C or H <12 months	39	24-35 m	985	37
MCV	C or H <12 months	41	36-47 m	1009	24
MCV	C or H <12 months	36	48-59 m	1032	20
Pol1	Card	45	12-23 m	921	46
Pol1	C or H <12 months	74	12-23 m	921	46
Pol1	Card or History	75	12-23 m	921	46
Pol1	History	30	12-23 m	921	46
Pol1	C or H <12 months	68	24-35 m	985	37
Pol1	C or H <12 months	64	36-47 m	1009	24
Pol1	C or H <12 months	61	48-59 m	1032	20
Pol3	History	8	12-23 m	921	46
Pol3	C or H <12 months	40	12-23 m	921	46
Pol3	Card	35	12-23 m	921	46
Pol3	Card or History	43	12-23 m	921	46
Pol3	C or H <12 months	33	24-35 m	985	37
Pol3	C or H <12 months	28	36-47 m	1009	24
Pol3	C or H <12 months	28	48-59 m	1032	20
YFV	Card	4	12-23 m	921	46
YFV	Card or History	8	12-23 m	921	46
YFV	History	4	12-23 m	921	46
YFV	C or H <12 months	7	12-23 m	921	46

Further information and estimates for 1980-1996 are available at:
http://www.childinfo.org/immunization_countryreports.html

Guinea - survey details

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

Guinea

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	72
1998	74
1999	75
2000	79
2001	80
2002	80
2003	85
2004	86
2005	90
2006	95
2007	95
2008	96
2009	96

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.