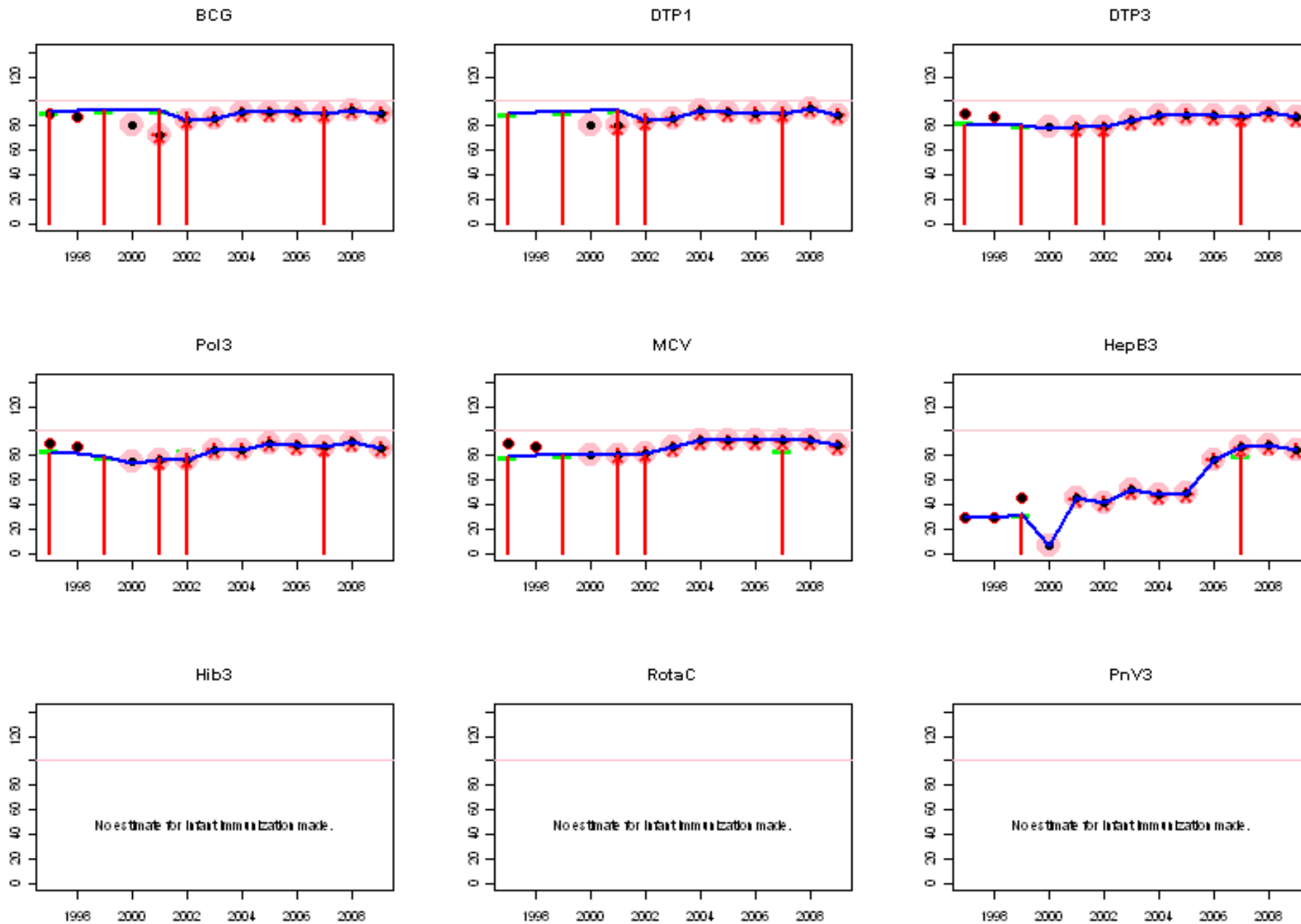
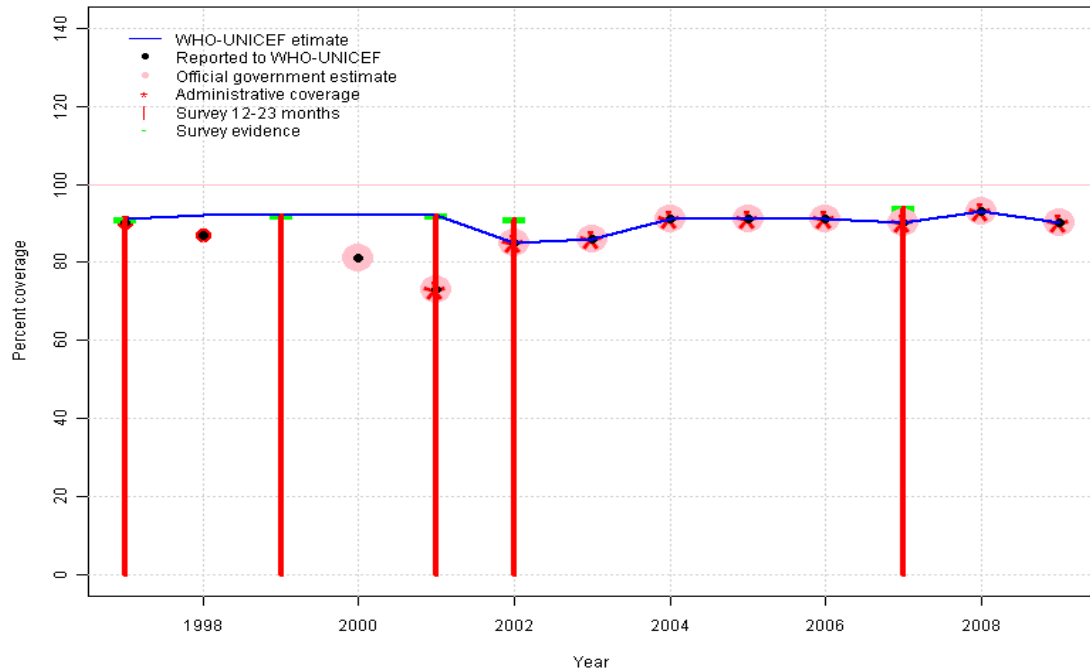


Philippines: WHO and UNICEF estimates of immunization coverage, 1997 - 2009



Philippines - BCG

PHL - BCG



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	91	92	92	92	92	85	86	91	91	91	90	93	90
Reported	90	87	NA	81	73	85	86	91	91	91	90	93	90
Official	NA	NA	NA	81	73	85	86	91	91	91	90	93	90
Administrative	NA	NA	NA	NA	73	85	86	91	91	91	90	93	90
Survey	91	NA	92	NA	92	91	NA	NA	NA	NA	94	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate interpolated between 1997 and 1999 estimates.

1999: Estimate is based on survey results.

2000: Estimate interpolated between 1999 and 2001 estimates.

2001: Estimate based on survey results. Reported data (73 percent) not consistent with survey results (92 percent).

2002: Estimate based on reported data (85 percent) confirmed by survey (91 percent).

2003: Estimate based on reported data.

2004: Estimate based on reported data.

2005: Estimate based on reported data.

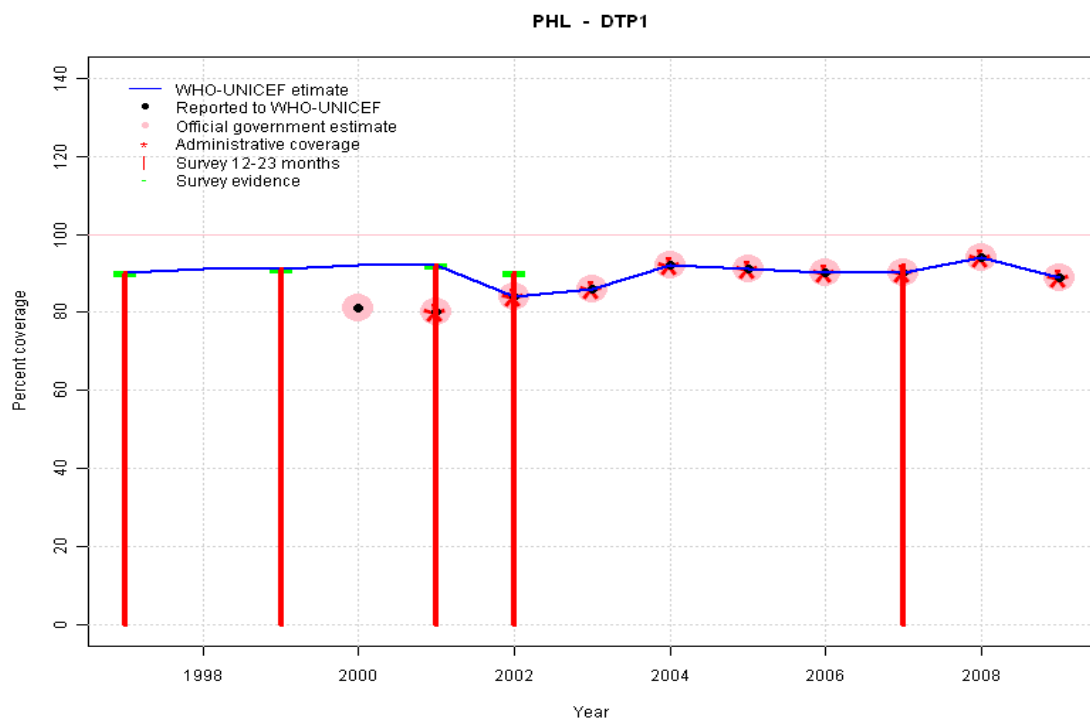
2006: Estimate based on reported data.

2007: Estimate based on reported data (90 percent) confirmed by survey (94 percent).

2008: Estimate based on reported data.

2009: Estimate based on reported data.

Philippines - DTP1

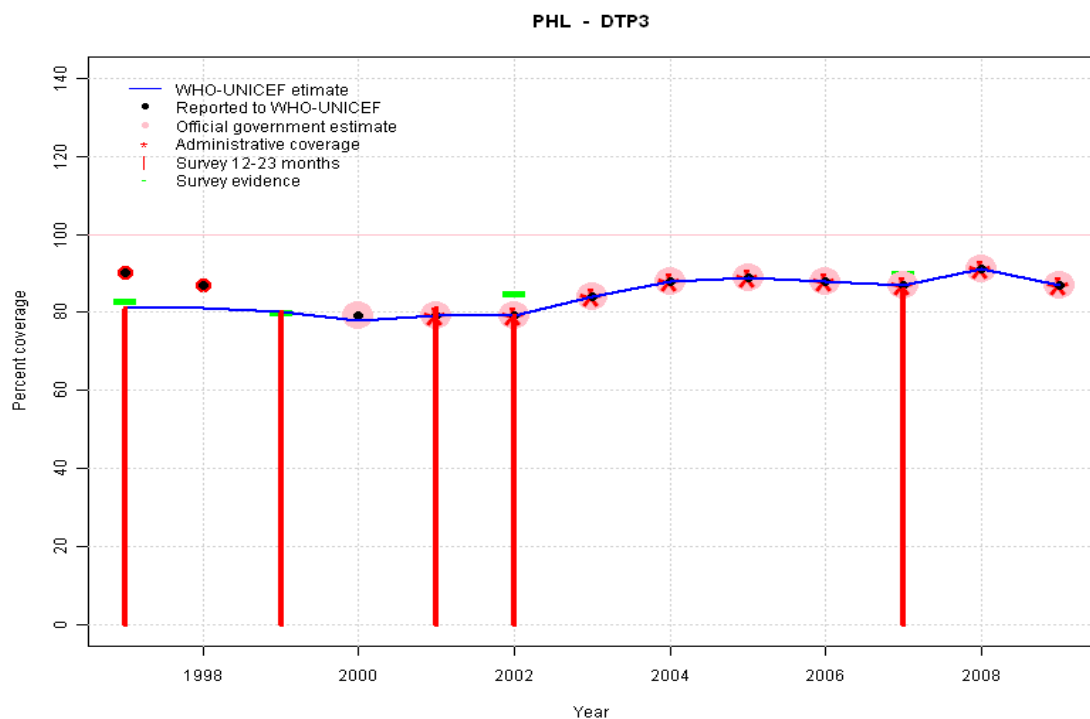


Description:

- 1997: Legacy estimate.
- 1998: Estimate interpolated between 1997 and 1999 estimates.
- 1999: Estimate is based on survey results.
- 2000: Estimate interpolated between 1999 and 2001 estimates.
- 2001: Estimate based on survey results. Reported data (80 percent) not consistent with survey results (92 percent).
- 2002: Estimate based on reported data (84 percent) confirmed by survey (90 percent).
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data (90 percent) confirmed by survey (92 percent).
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	90	91	91	92	92	84	86	92	91	90	90	94	89
Reported	NA	NA	NA	81	80	84	86	92	91	90	90	94	89
Official	NA	NA	NA	81	80	84	86	92	91	90	90	94	89
Administrative	NA	NA	NA	NA	80	84	86	92	91	90	90	94	89
Survey	90	NA	91	NA	92	90	NA	NA	NA	NA	92	NA	NA

Philippines - DTP3



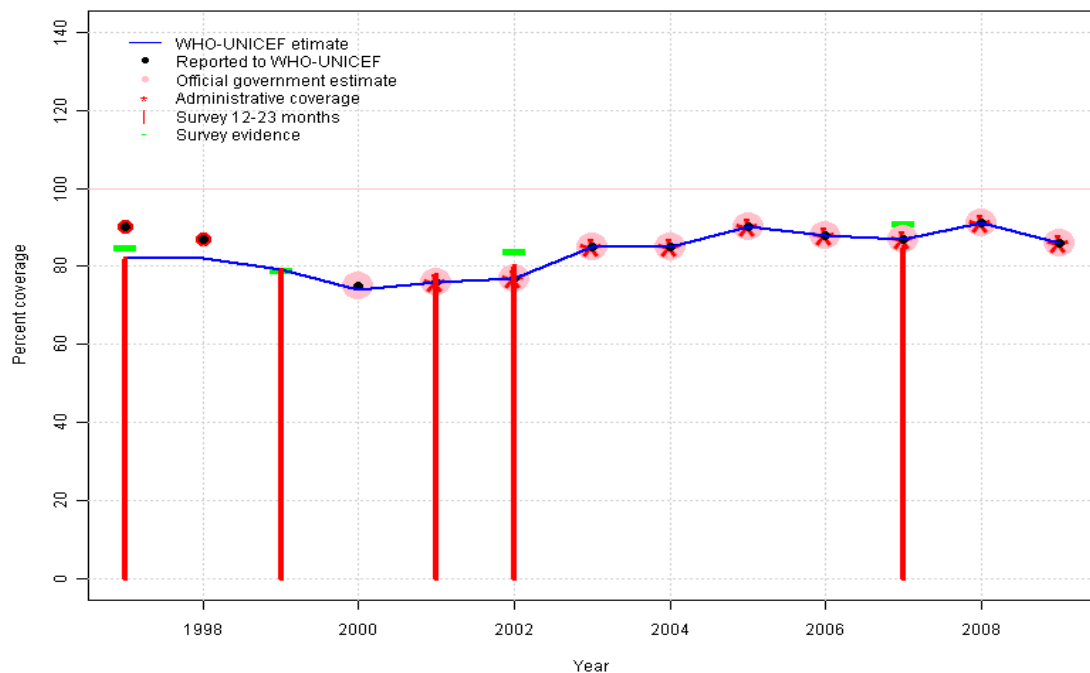
Description:

- 1997: Legacy estimate. Survey results (81 percent) adjusted for recall bias to 83 percent based on first dose card or history coverage (90 percent) and documented drop-out between first (41 percent) and third (38 percent) doses.
- 1998: Reported data (87 percent) calibrated to 1997 and 1999 levels.
- 1999: Estimate is based on survey results.
- 2000: Reported data (79 percent) calibrated to 1999 and 2001 levels.
- 2001: Estimate based on reported data (79 percent) confirmed by survey (81 percent).
- 2002: Estimate based on reported data (79 percent) confirmed by survey (85 percent). Survey results (79 percent) adjusted for recall bias to 85 percent based on first dose card or history coverage (90 percent) and documented drop-out between first (38 percent) and third (36 percent) doses.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data (87 percent) confirmed by survey (90 percent). Survey results (86 percent) adjusted for recall bias to 90 percent based on first dose card or history coverage (92 percent) and documented drop-out between first (42 percent) and third (41 percent) doses.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	81	81	80	78	79	79	84	88	89	88	87	91	87
Reported	90	87	NA	79	79	79	84	88	89	88	87	91	87
Official	NA	NA	NA	79	79	79	84	88	89	88	87	91	87
Administrative	NA	NA	NA	NA	79	79	84	88	89	88	87	91	87
Survey	83	NA	80	NA	81	85	NA	NA	NA	NA	90	NA	NA

Philippines - Pol3

PHL - Pol3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	82	82	79	74	76	77	85	85	90	88	87	91	86
Reported	90	87	NA	75	76	77	85	85	90	88	87	91	86
Official	NA	NA	NA	75	76	77	85	85	90	88	87	91	86
Administrative	NA	NA	NA	NA	76	77	85	85	90	88	87	91	86
Survey	85	NA	79	NA	78	84	NA	NA	NA	NA	91	NA	NA

Description:

1997: Legacy estimate. Survey results (82 percent) adjusted for recall bias to 85 percent based on first dose card or history coverage (92 percent) and documented drop-out between first (41 percent) and third (38 percent) doses.

1998: Reported data (87 percent) calibrated to 1997 and 1999 levels.

1999: Estimate is based on survey results.

2000: Reported data (75 percent) calibrated to 1999 and 2001 levels.

2001: Estimate based on reported data (76 percent) confirmed by survey (78 percent).

2002: Estimate based on reported data (77 percent) confirmed by survey (84 percent). Survey results (80 percent) adjusted for recall bias to 84 percent based on first dose card or history coverage (91 percent) and documented drop-out between first (39 percent) and third (36 percent) doses.

2003: Estimate based on reported data.

2004: Estimate based on reported data.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

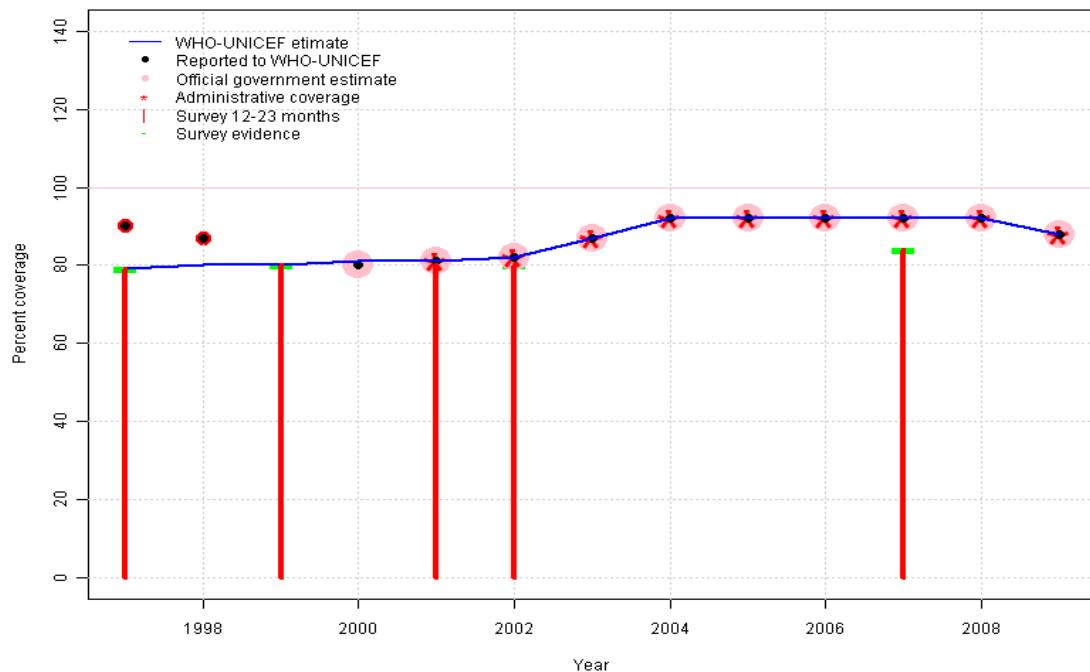
2007: Estimate based on reported data (87 percent) confirmed by survey (91 percent). Survey results (85 percent) adjusted for recall bias to 91 percent based on first dose card or history coverage (93 percent) and documented drop-out between first (42 percent) and third (41 percent) doses.

2008: Estimate based on reported data.

2009: Estimate based on reported data.

Philippines - MCV

PHL - MCV



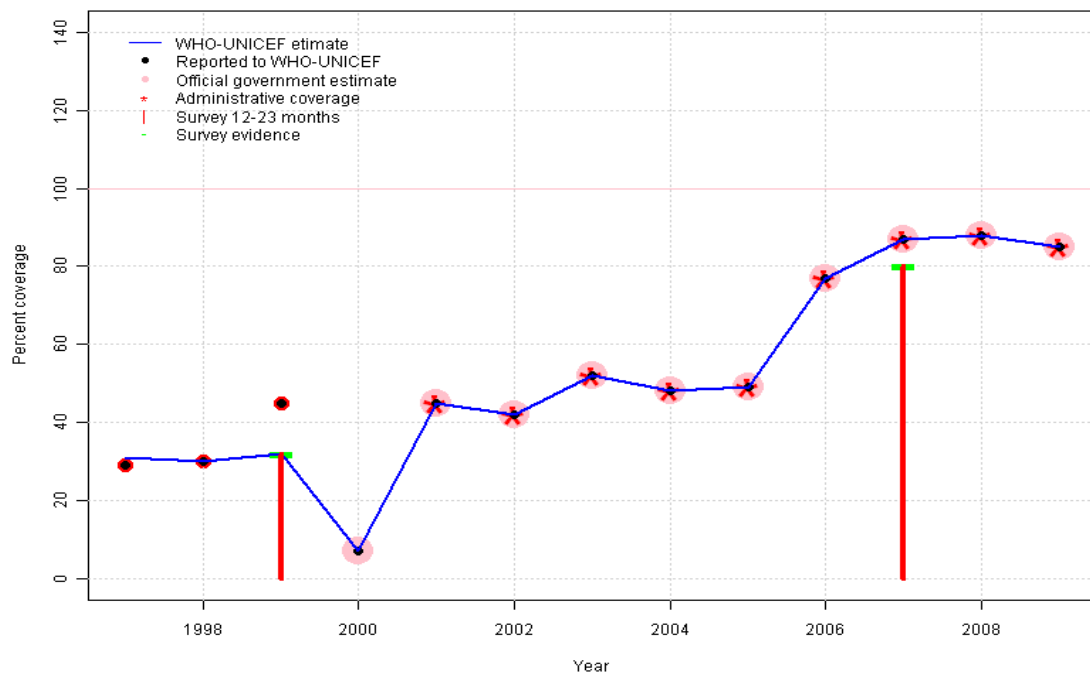
Description:

- 1997: Legacy estimate.
- 1998: Estimate interpolated between 1997 and 1999 estimates.
- 1999: Estimate is based on survey results.
- 2000: Estimate interpolated between 1999 and 2001 estimates.
- 2001: Estimate based on reported data (81 percent) confirmed by survey (80 percent).
- 2002: Estimate based on reported data (82 percent) confirmed by survey (80 percent).
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data (92 percent) confirmed by survey (84 percent).
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	79	80	80	81	81	82	87	92	92	92	92	92	88
Reported	90	87	NA	80	81	82	87	92	92	92	92	92	88
Official	NA	NA	NA	80	81	82	87	92	92	92	92	92	88
Administrative	NA	NA	NA	NA	81	82	87	92	92	92	92	92	88
Survey	79	NA	80	NA	80	80	NA	NA	NA	NA	84	NA	NA

Philippines - HepB3

PHL - HepB3

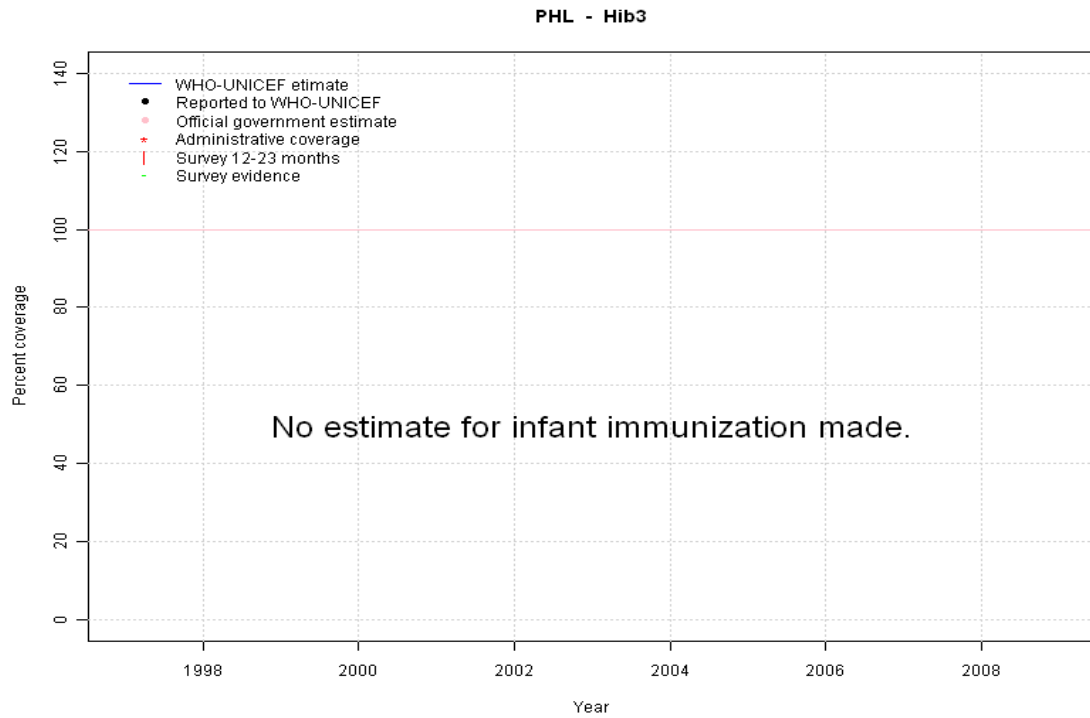


Description:

- 1997: Legacy estimate.
- 1998: Reported data (30 percent) calibrated to 1997 and 1999 levels.
- 1999: Estimate is based on survey results. 1999 reported data (45 percent) inconsistent with data from other years.
- 2000: Estimate is based on reported data. Decline in coverage is possibly due to a vaccine shortage. 2000 reported data (7 percent) inconsistent with data from other years.
- 2001: Estimate is based on reported data.
- 2002: Estimate based on reported data.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data (87 percent) confirmed by survey (80 percent).
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

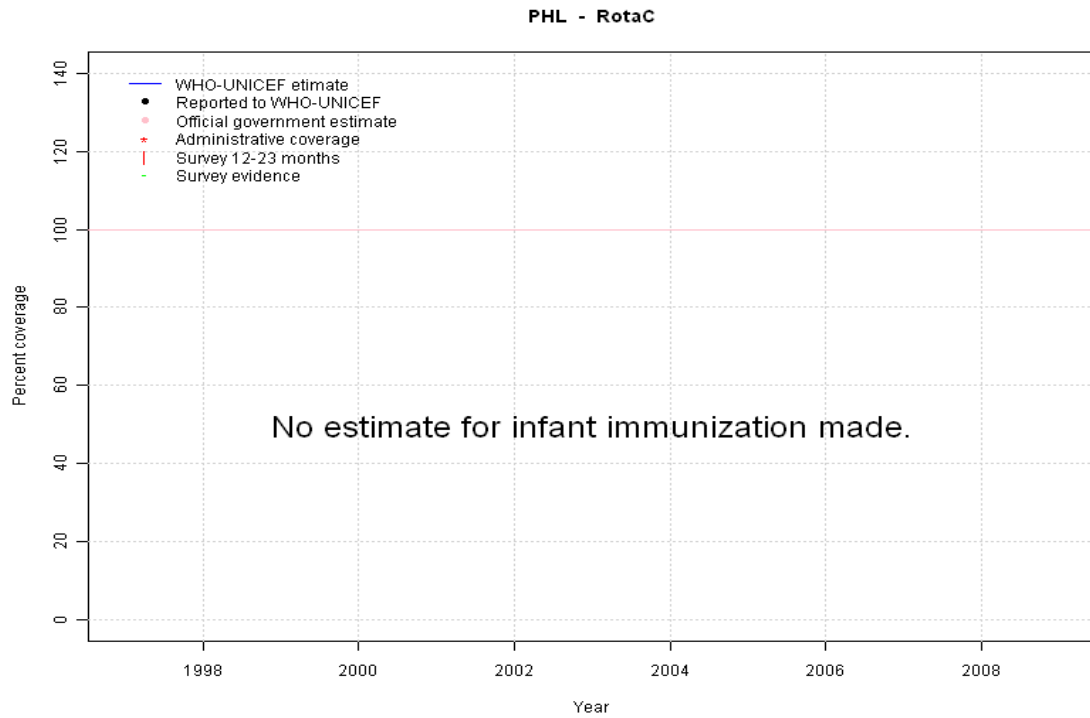
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	31	30	32	7	45	42	52	48	49	77	87	88	85
Reported	29	30	45	7	45	42	52	48	49	77	87	88	85
Official	NA	NA	NA	7	45	42	52	48	49	77	87	88	85
Administrative	NA	NA	NA	NA	45	42	52	48	49	77	87	88	85
Survey	NA	NA	32	NA	NA	NA	NA	NA	NA	NA	80	NA	NA

Philippines - Hib3



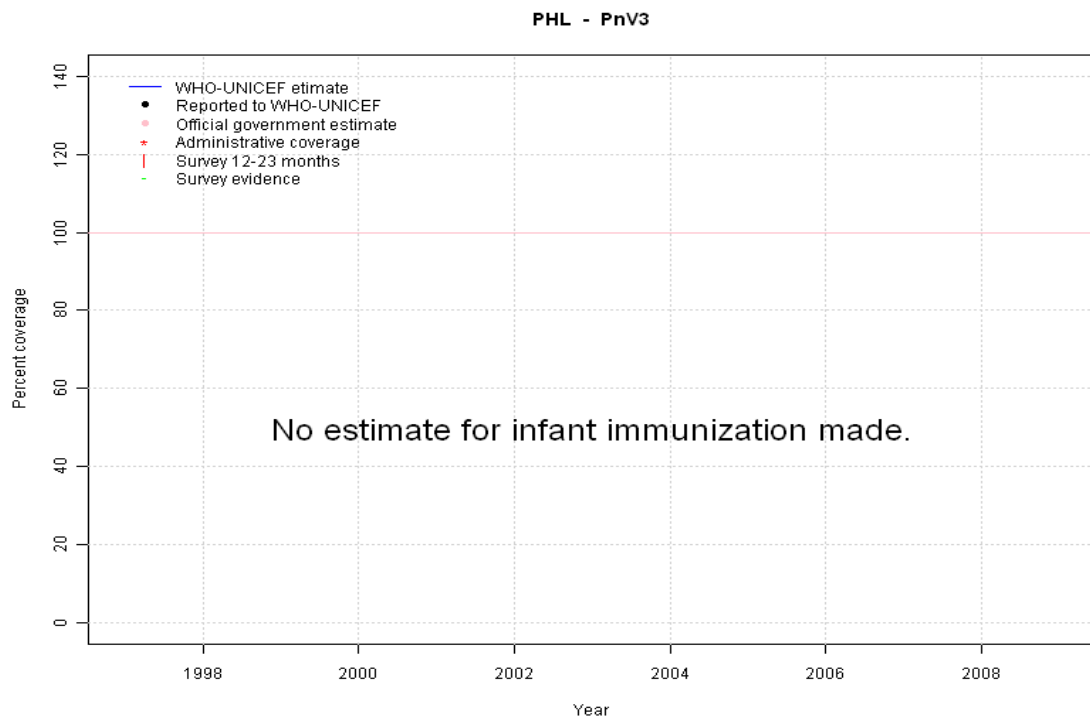
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA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

Philippines - 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

Philippines - 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

Philippines - survey details

2007 Philippines National Demographic and Health Survey (NDHS) 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	42	12-23 m	1286	42
BCG	History	52	12-23 m	1286	42
BCG	Card or History	94	12-23 m	1286	42
BCG	C or H <12 months	92	12-23 m	1286	42
DTP1	Card	42	12-23 m	1286	42
DTP1	History	50	12-23 m	1286	42
DTP1	Card or History	92	12-23 m	1286	42
DTP1	C or H <12 months	91	12-23 m	1286	42
DTP3	C or H <12 months	83	12-23 m	1286	42
DTP3	Card	41	12-23 m	1286	42
DTP3	Card or History	86	12-23 m	1286	42
DTP3	History	45	12-23 m	1286	42
HepB1	Card	42	12-23 m	1286	42
HepB1	C or H <12 months	86	12-23 m	1286	42
HepB1	Card or History	88	12-23 m	1286	42
HepB1	History	46	12-23 m	1286	42
HepB3	History	41	12-23 m	1286	42
HepB3	Card or History	80	12-23 m	1286	42
HepB3	Card	40	12-23 m	1286	42
HepB3	C or H <12 months	76	12-23 m	1286	42
MCV	History	46	12-23 m	1286	42
MCV	C or H <12 months	76	12-23 m	1286	42
MCV	Card or History	84	12-23 m	1286	42
MCV	Card	39	12-23 m	1286	42
Pol1	History	50	12-23 m	1286	42
Pol1	Card or History	93	12-23 m	1286	42
Pol1	Card	42	12-23 m	1286	42
Pol1	C or H <12 months	91	12-23 m	1286	42
Pol3	Card	41	12-23 m	1286	42
Pol3	History	44	12-23 m	1286	42
Pol3	Card or History	85	12-23 m	1286	42
Pol3	C or H <12 months	83	12-23 m	1286	42

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	History	52	12-23 m	1348	39
BCG	C or H <12 months	89	12-23 m	1348	39
BCG	Card	38	12-23 m	1348	39
BCG	Card or history	91	12-23 m	1348	39
DTP1	C or H <12 months	88	12-23 m	1348	39
DTP1	Card	38	12-23 m	1348	39
DTP1	Card or history	90	12-23 m	1348	39
DTP1	History	52	12-23 m	1348	39
DTP3	History	43	12-23 m	1348	39
DTP3	Card	36	12-23 m	1348	39
DTP3	Card or history	79	12-23 m	1348	39
DTP3	C or H <12 months	75	12-23 m	1348	39
MCV	Card	34	12-23 m	1348	39
MCV	Card or history	80	12-23 m	1348	39
MCV	History	46	12-23 m	1348	39
MCV	C or H <12 months	70	12-23 m	1348	39
Pol1	C or H <12 months	90	12-23 m	1348	39
Pol1	Card	39	12-23 m	1348	39
Pol1	Card or history	91	12-23 m	1348	39
Pol1	History	53	12-23 m	1348	39
Pol3	C or H <12 months	76	12-23 m	1348	39
Pol3	History	44	12-23 m	1348	39
Pol3	Card	36	12-23 m	1348	39
Pol3	Card or history	80	12-23 m	1348	39

2001 Philippines, Maternal and Child Health Survey 2002

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	92	12-23 m	1885	91
DTP1	Card or History	92	12-23 m	1885	91
DTP3	Card or History	81	12-23 m	1885	91
MCV	Card or History	80	12-23 m	1885	91
Pol3	Card or History	78	12-23 m	1885	91

1999 Philippines, Maternal and Child Health Survey 2000

2002 National Demographic and Health Survey 2003

Philippines - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	92	12-23 m	2227	89
DTP1	Card or History	91	12-23 m	2227	89
DTP3	Card or History	80	12-23 m	2227	89
HepB1	Card or History	62	12-23 m	2227	89
HepB3	Card or History	32	12-23 m	2227	89
MCV	Card or History	80	12-23 m	2227	89
Pol1	Card or History	90	12-23 m	2227	89
Pol3	Card or History	79	12-23 m	2227	89

1997 Philippines, National Demographic and Health Survey 1998, 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	91	12-23 m	1474	41
BCG	History	50	12-23 m	1474	41
BCG	Card	41	12-23 m	1474	41
BCG	C or H <12 months	91	12-23 m	1474	41
DTP1	Card	41	12-23 m	1474	41

DTP1	Card or History	90	12-23 m	1474	41
DTP1	History	49	12-23 m	1474	41
DTP1	C or H <12 months	90	12-23 m	1474	41
DTP3	History	43	12-23 m	1474	41
DTP3	C or H <12 months	79	12-23 m	1474	41
DTP3	Card	38	12-23 m	1474	41
DTP3	Card or History	81	12-23 m	1474	41
MCV	History	44	12-23 m	1474	41
MCV	C or H <12 months	71	12-23 m	1474	41
MCV	Card or History	79	12-23 m	1474	41
MCV	Card	35	12-23 m	1474	41
Pol1	C or H <12 months	92	12-23 m	1474	41
Pol1	Card	41	12-23 m	1474	41
Pol1	Card or History	92	12-23 m	1474	41
Pol1	History	50	12-23 m	1474	41
Pol3	History	44	12-23 m	1474	41
Pol3	C or H <12 months	81	12-23 m	1474	41
Pol3	Card	38	12-23 m	1474	41
Pol3	Card or History	82	12-23 m	1474	41

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

Philippines

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	55
1998	55
1999	55
2000	55
2001	56
2002	56
2003	56
2004	57
2005	57
2006	61
2007	58
2008	58
2009	68

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.