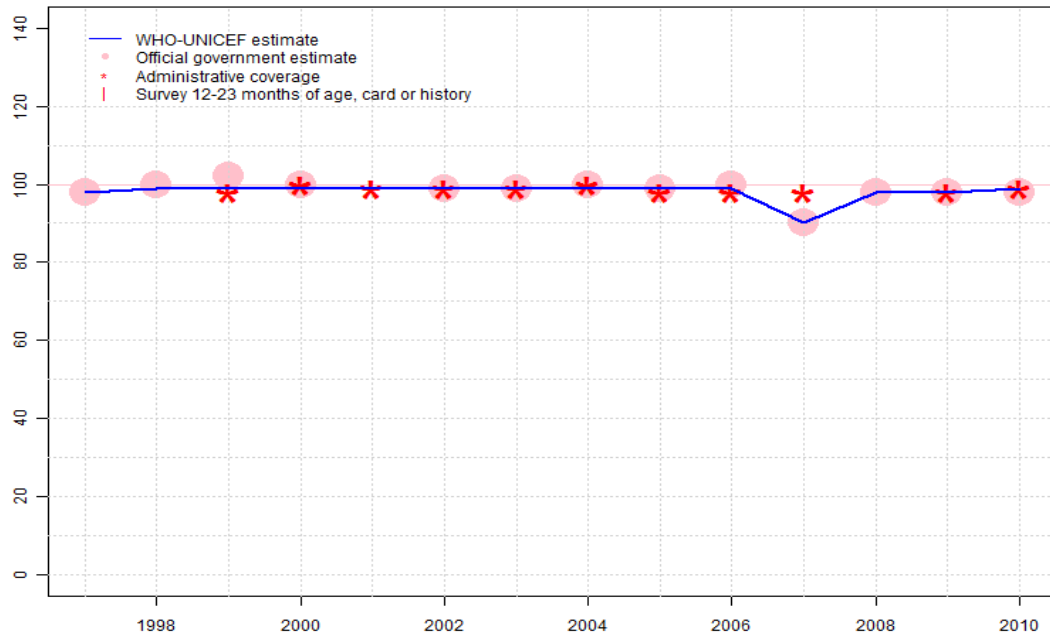


Malaysia - BCG

MYS - BCG



Description:

1997: Legacy estimate.

1998: Estimate based on reported data.

1999: Estimate based on interpolation between 1998 and 2000. Reported data of 102 percent greater than 100 percent.

2000: Estimate based on reported data.

2001: Estimate 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.

2008: Estimate based on reported data.

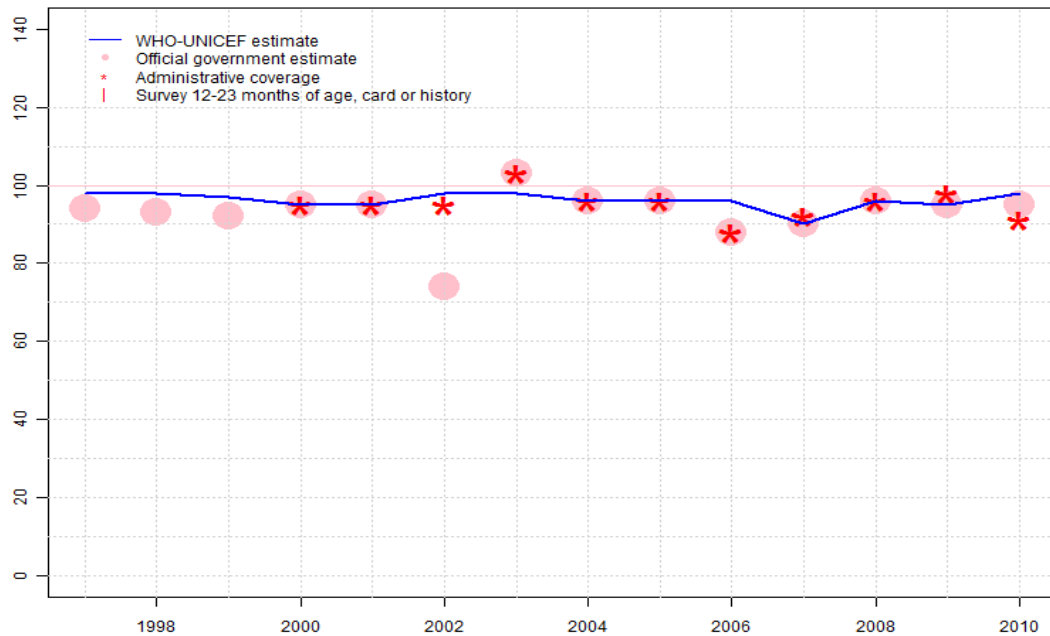
2009: Estimate based on reported data.

2010: Estimate based on reported data. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	98	99	99	99	99	99	99	99	99	99	90	98	98	99
Official	98	100	102	100	NA	99	99	100	99	100	90	98	98	98
Administrative	NA	NA	98	100	99	99	99	100	98	98	98	NA	98	99
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - DTP1

MYS - DTP1



Description:

1997: Legacy estimate.

1998: DTP1 coverage estimated based on DTP3 coverage of 94. Current estimate of 98 percent changed from previous revision value of 97 percent.

1999: DTP1 coverage estimated based on DTP3 coverage of 93.

2000: Estimate based on reported data.

2001: Estimate based on reported data. Current estimate of 95 percent changed from previous revision value of 98 percent.

2002: No DTP1 data. Estimate based on DTP3 coverage of 96. Reported data not accepted due to a decline from 95 percent to 74 percent with a subsequent increase to 103 percent.

2003: No DTP1 data. Estimate based on DTP3 coverage of 96. Reported data of 103 percent greater than 100 percent.

2004: Estimate based on reported data.

2005: Estimate based on reported data.

2006: DTP1 coverage estimated based on DTP3 coverage of 90.

2007: Estimate based on reported data.

2008: Estimate based on reported data.

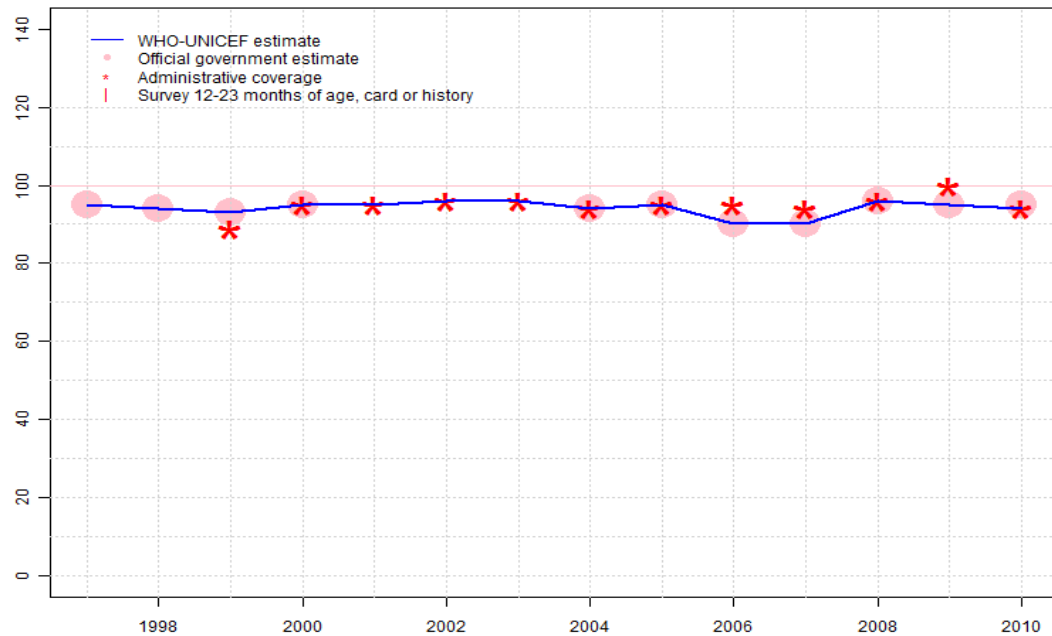
2009: Estimate based on reported data.

2010: DTP1 coverage estimated based on DTP3 coverage of 94. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	98	98	97	95	95	98	98	96	96	96	90	96	95	98
Official	94	93	92	95	95	74	103	96	96	88	90	96	95	95
Administrative	NA	NA	NA	95	95	95	103	96	96	88	92	96	98	91
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - DTP3

MYS - DTP3



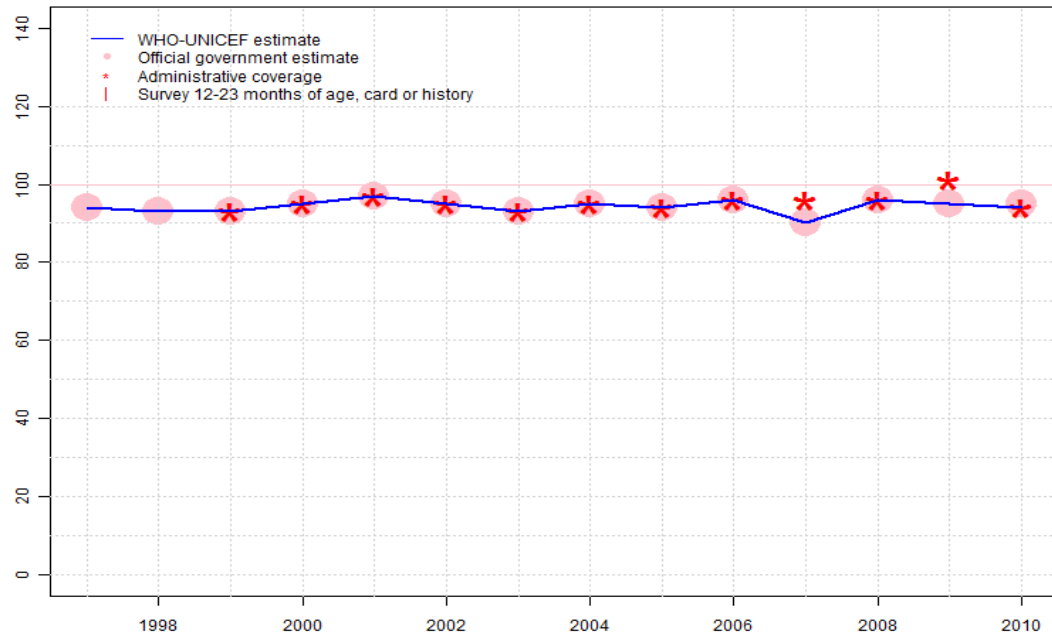
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on reported data.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data. Current estimate of 95 percent changed from previous revision value of 97 percent.
- 2002: Estimate based on reported data.
- 2003: Estimate based on reported data. Current estimate of 96 percent changed from previous revision value of 99 percent.
- 2004: Estimate based on reported data.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.
- 2010: Estimate based on reported data. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	95	94	93	95	95	96	96	94	95	90	90	96	95	94
Official	95	94	93	95	NA	NA	NA	94	95	90	90	96	95	95
Administrative	NA	NA	89	95	95	96	96	94	95	95	94	96	100	94
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - Pol3

MYS - Pol3



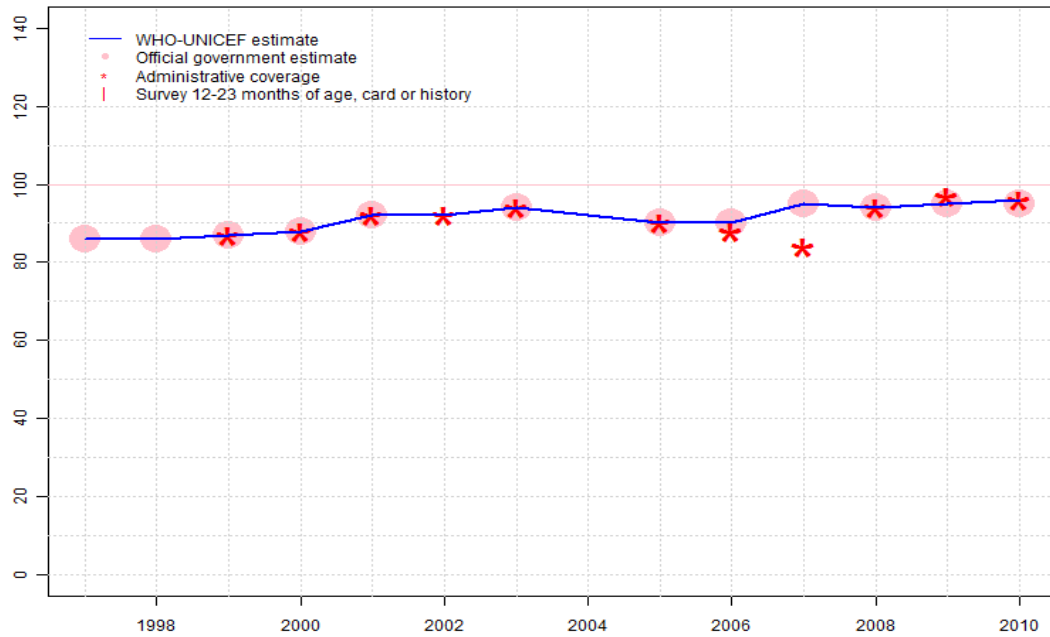
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on reported data.
- 2000: Estimate based on reported data.
- 2001: Estimate 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.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.
- 2010: Estimate based on reported data. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	94	93	93	95	97	95	93	95	94	96	90	96	95	94
Official	94	93	93	95	97	95	93	95	94	96	90	96	95	95
Administrative	NA	NA	93	95	97	95	93	95	94	96	96	96	101	94
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - MCV

MYS - MCV



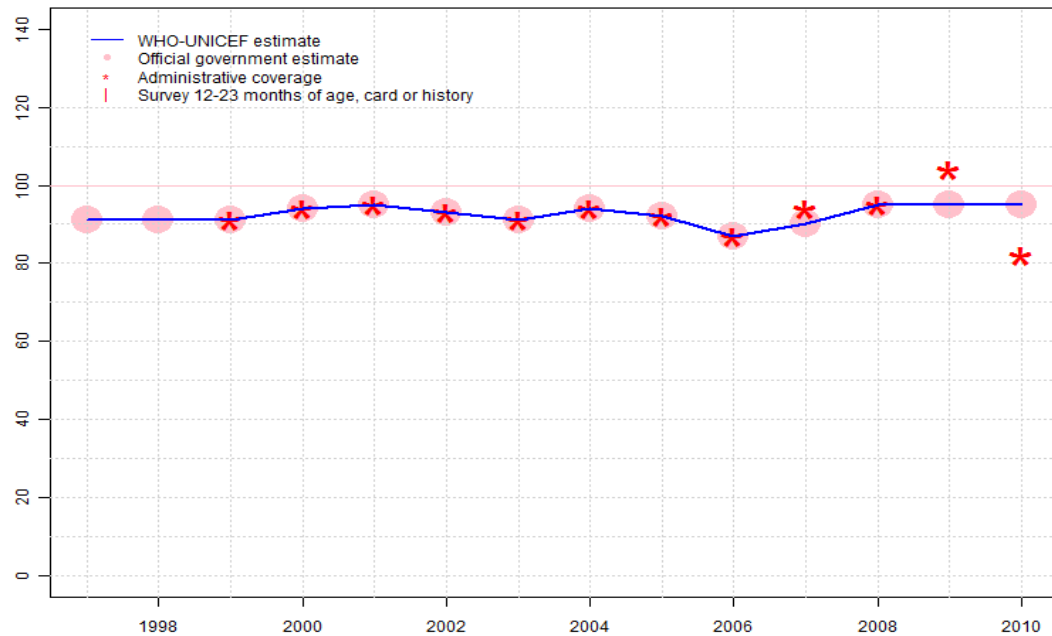
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on reported data.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data.
- 2002: Estimate based on reported data.
- 2003: Estimate based on reported data.
- 2004: Estimate based on interpolation between 2003 and 2005.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.
- 2010: Estimate based on reported data. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	86	86	87	88	92	92	94	92	90	90	95	94	95	96
Official	86	86	87	88	92	NA	94	NA	90	90	95	94	95	95
Administrative	NA	NA	87	88	92	92	94	NA	90	88	84	94	97	96
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - HepB3

MYS - HepB3



Description:

1997: Legacy estimate.

1998: Estimate based on reported data.

1999: Estimate based on reported data.

2000: Estimate based on reported data.

2001: Estimate 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.

2008: Estimate based on reported data.

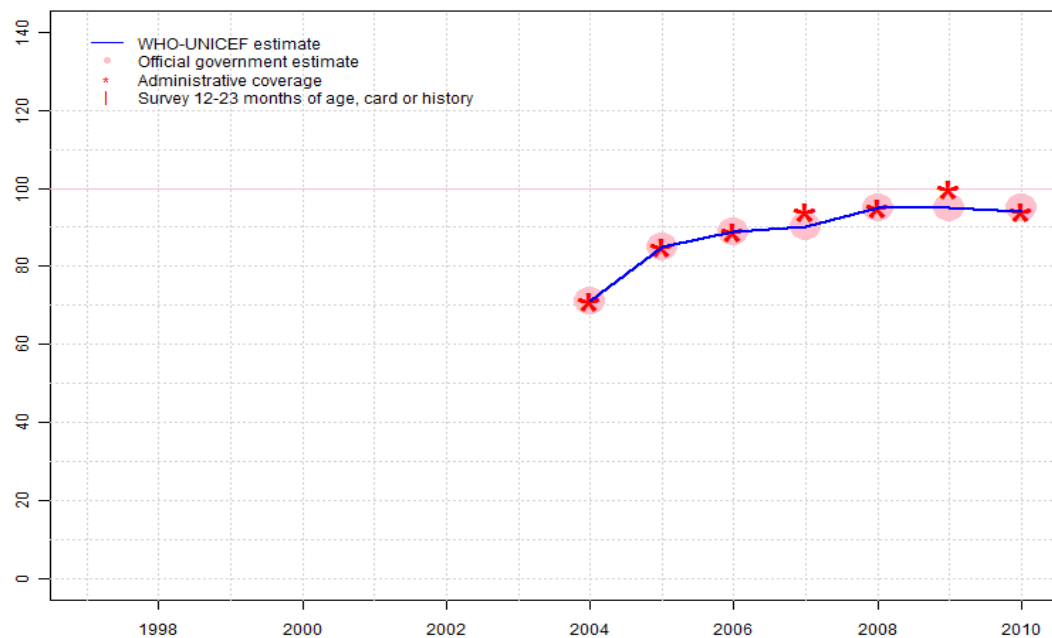
2009: Estimate based on reported data.

2010: Estimate based on extrapolation from 2009 value of 95 percent. Reported data not accepted due to a decline from 95 level to 82 percent. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	91	91	91	94	95	93	91	94	92	87	90	95	95	95
Official	91	91	91	94	95	93	91	94	92	87	90	95	95	95
Administrative	NA	NA	91	94	95	93	91	94	92	87	94	95	104	82
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - Hib3

MYS - Hib3



Description:

2004: Estimate based on reported data.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

2007: Estimate based on reported data.

2008: Estimate based on reported data.

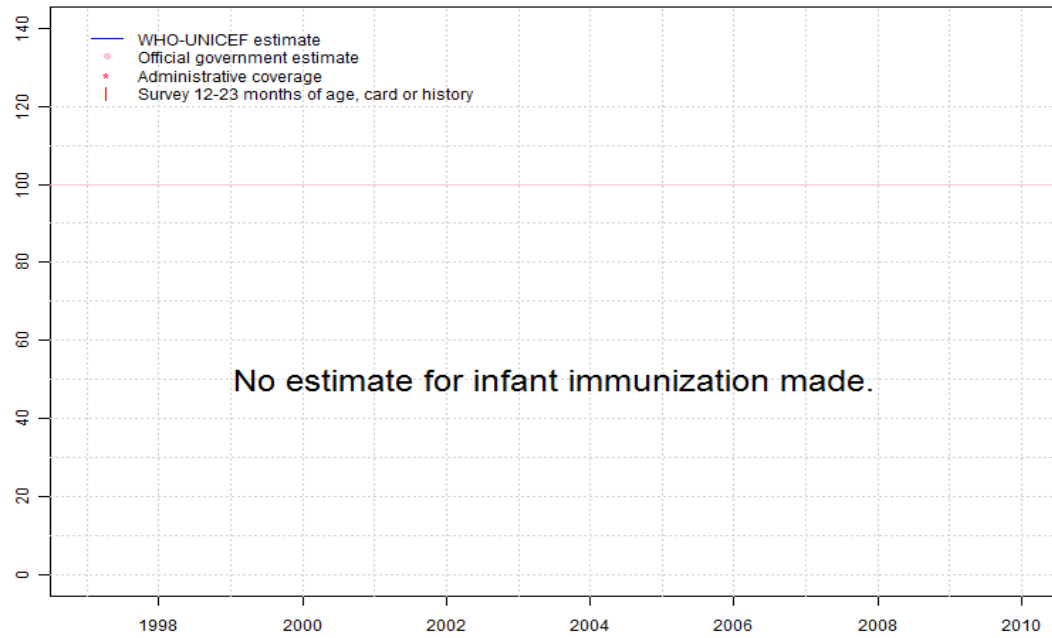
2009: Estimate based on reported data.

2010: Estimate based on reported data. Ministry of Health reports target coverage levels as national coverage estimates.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	71	85	89	90	95	95	94
Official	NA	NA	NA	NA	NA	NA	NA	71	85	89	90	95	95	95
Administrative	NA	NA	NA	NA	NA	NA	NA	71	85	89	94	95	100	94
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Malaysia - RotaC

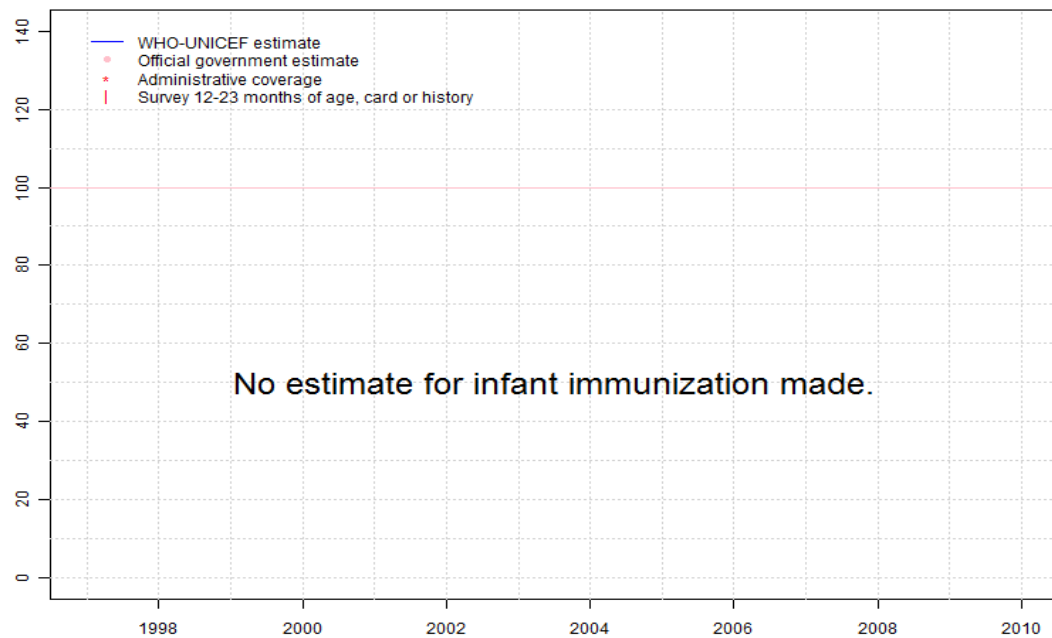
MYS - RotaC



	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

Malaysia - PcV3

MYS - 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

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

Malaysia

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	85
1998	81
1999	85
2000	88
2001	87
2002	86
2003	86
2004	88
2005	88
2006	88
2007	87
2008	87
2009	87
2010	87

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.