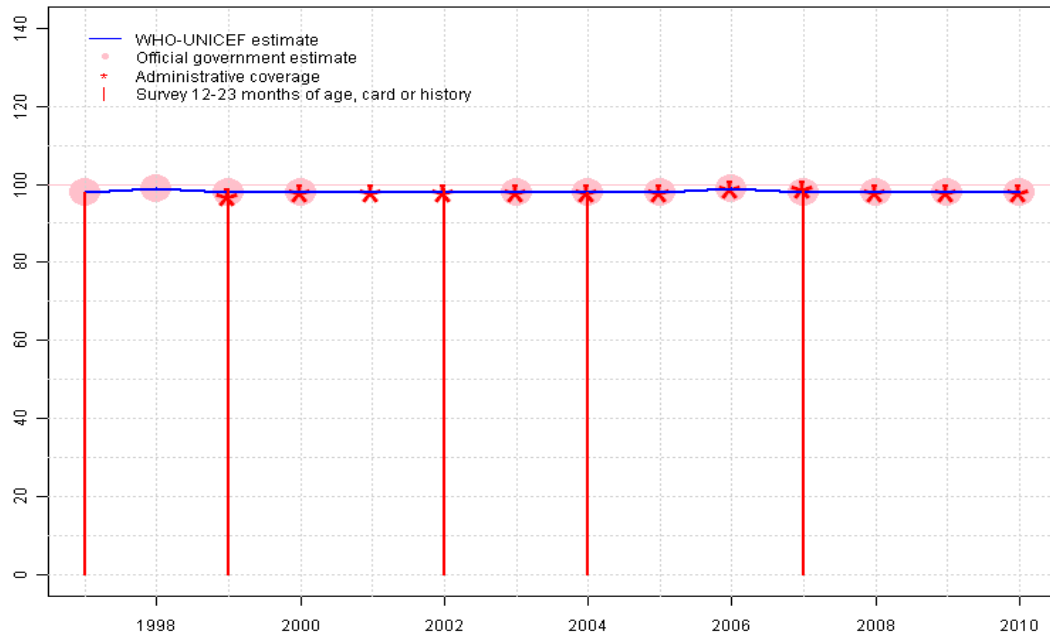


Egypt - BCG

EGY - BCG



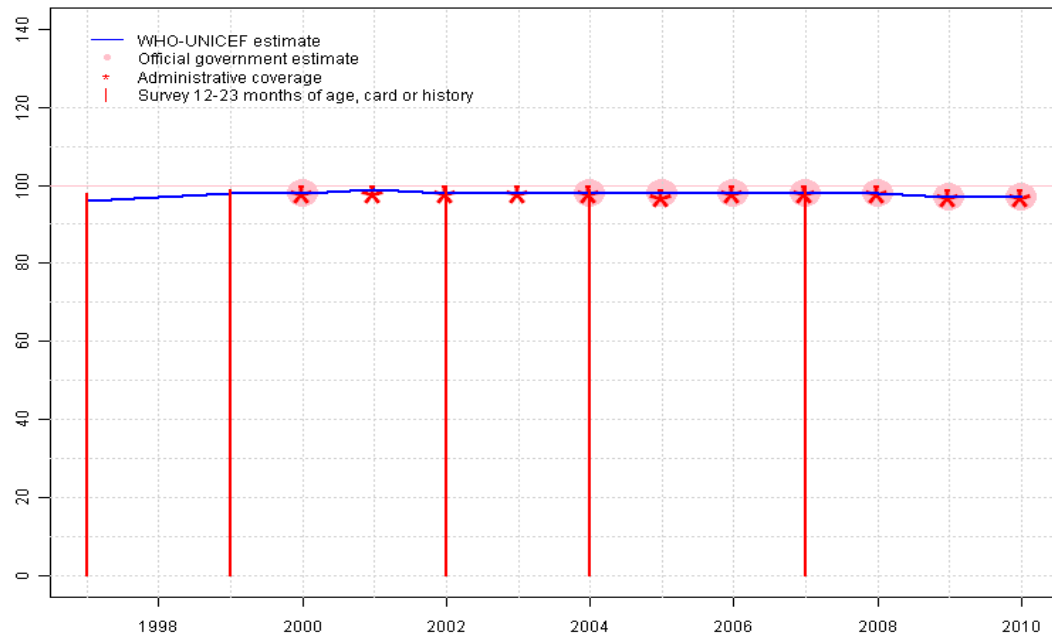
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data.
- 2002: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data. 98 percent survey results supports reported data of 98 percent.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.
- 2010: Estimate based on reported data.

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	98	99	98	98	98	98	98	98	98	99	98	98	98	98
Official	98	99	98	98	NA	NA	98	98	98	99	98	98	98	98
Administrative	NA	NA	97	98	98	98	98	98	98	99	99	98	98	98
Survey	98	NA	99	NA	NA	99	NA	98	NA	NA	99	NA	NA	NA

Egypt - DTP1

EGY - DTP1



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	96	97	98	98	99	98	98	98	98	98	98	98	97	97
Official	NA	NA	NA	98	NA	NA	NA	98	98	98	98	98	97	97
Administrative	NA	NA	NA	98	98	98	98	98	97	98	98	98	97	97
Survey	98	NA	99	NA	NA	100	NA	99	NA	NA	100	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on interpolation between 1997 and 1999.

1999: No accepted reported data. Reported data of 98 percent estimated by extrapolating from 2000 supports trend in reported data. 99 percent survey results

2000: Estimate based on reported data.

2001: DTP1 coverage estimated based on DTP3 coverage of 99. Current estimate of 99 percent changed from previous revision value of 98 percent.

2002: Estimate based on reported data. 100 percent survey results supports reported data of 98 percent.

2003: Estimate based on reported data.

2004: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

2007: Estimate based on reported data. 100 percent survey results supports reported data of 98 percent.

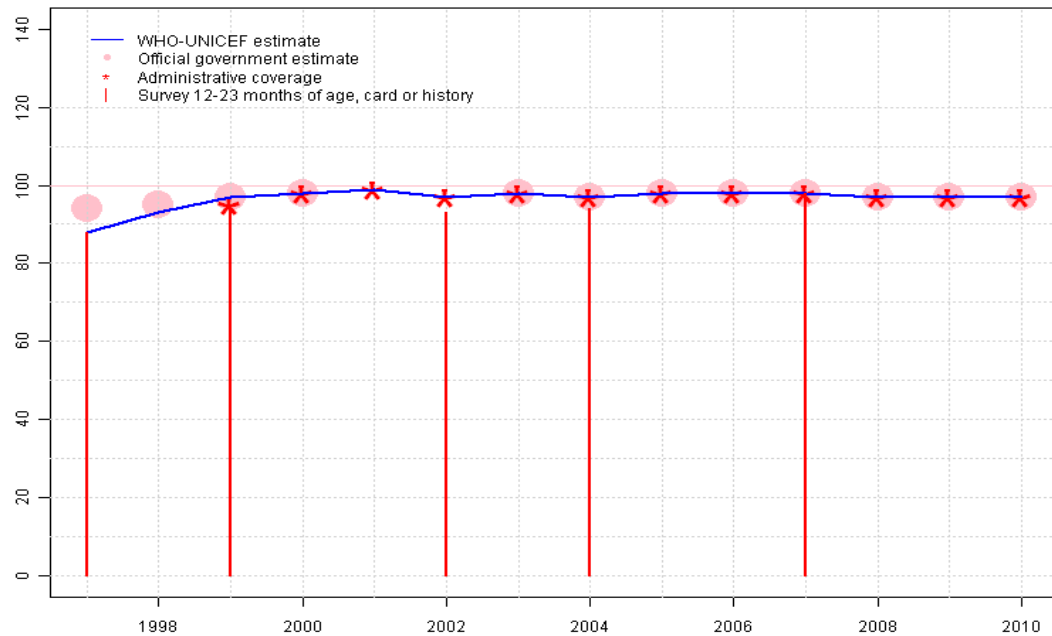
2008: Estimate based on reported data.

2009: Estimate based on reported data.

2010: Estimate based on reported data.

Egypt - DTP3

EGY - DTP3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	88	93	97	98	99	97	98	97	98	98	98	97	97	97
Official	94	95	97	98	NA	NA	98	97	98	98	98	97	97	97
Administrative	NA	NA	95	98	99	97	98	97	98	98	98	97	97	97
Survey	88	NA	94	NA	NA	93	NA	94	NA	NA	98	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on interpolation between 1997 and 1999. Estimate not based on reported data. National programme reports inaccurate denominators Current estimate of 93 percent changed from previous revision value of 92 percent.

1999: No accepted reported data. Reported data of 97 percent estimated by interpolation between 1997 and 2000 supports trend in reported data. 96 percent survey results Estimate not based on reported data. National programme reports inaccurate denominators Survey results of 94 percent modified for recall bias to 96 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 72 percent and 3d dose card only coverage of 70 percent.

2000: Estimate based on reported data.

2001: Estimate based on reported data.

2002: Estimate based on reported data. 93 percent survey results supports reported data of 97 percent.

2003: Estimate based on reported data.

2004: Estimate based on reported data. 95 percent survey results supports reported data of 97 percent. Survey results of 94 percent modified for recall bias to 95 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 73 percent and 3d dose card only coverage of 70 percent.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

2007: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent. Survey results of 98 percent modified for recall bias to 99 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 68 percent and 3d dose card only coverage of 68 percent.

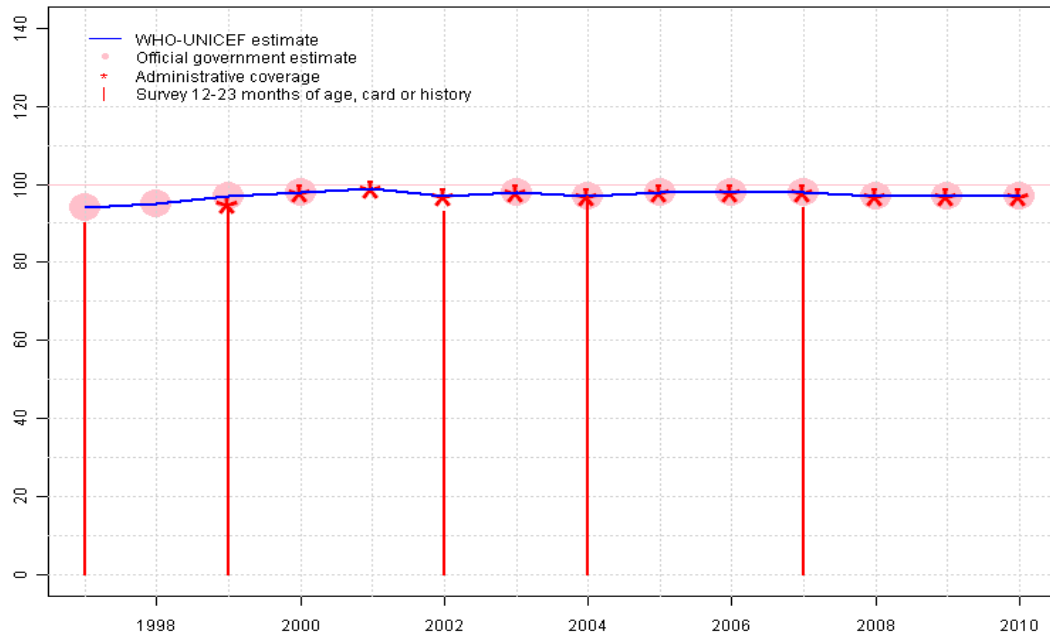
2008: Estimate based on reported data.

2009: Estimate based on reported data.

2010: Estimate based on reported data.

Egypt - Pol3

EGY - Pol3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	94	95	97	98	99	97	98	97	98	98	98	97	97	97
Official	94	95	97	98	NA	NA	98	97	98	98	98	97	97	97
Administrative	NA	NA	95	98	99	97	98	97	98	98	98	97	97	97
Survey	90	NA	95	NA	NA	93	NA	97	NA	NA	94	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on reported data.

1999: No accepted reported data. Reported data of 97 percent estimated by interpolation between 1998 and 2000 supports trend in reported data. 97 percent survey results Estimate not based on reported data. National programme reports inaccurate denominators Survey results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 72 percent and 3d dose card only coverage of 70 percent.

2000: Estimate based on reported data.

2001: Estimate based on reported data.

2002: Estimate based on reported data. 93 percent survey results supports reported data of 97 percent.

2003: Estimate based on reported data.

2004: Estimate based on reported data. 97 percent survey results supports reported data of 97 percent. Survey results of 97 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 73 percent and 3d dose card only coverage of 71 percent.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

2007: Estimate based on reported data. 99 percent survey results supports reported data of 98 percent. Survey results of 94 percent modified for recall bias to 99 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 68 percent and 3d dose card only coverage of 68 percent.

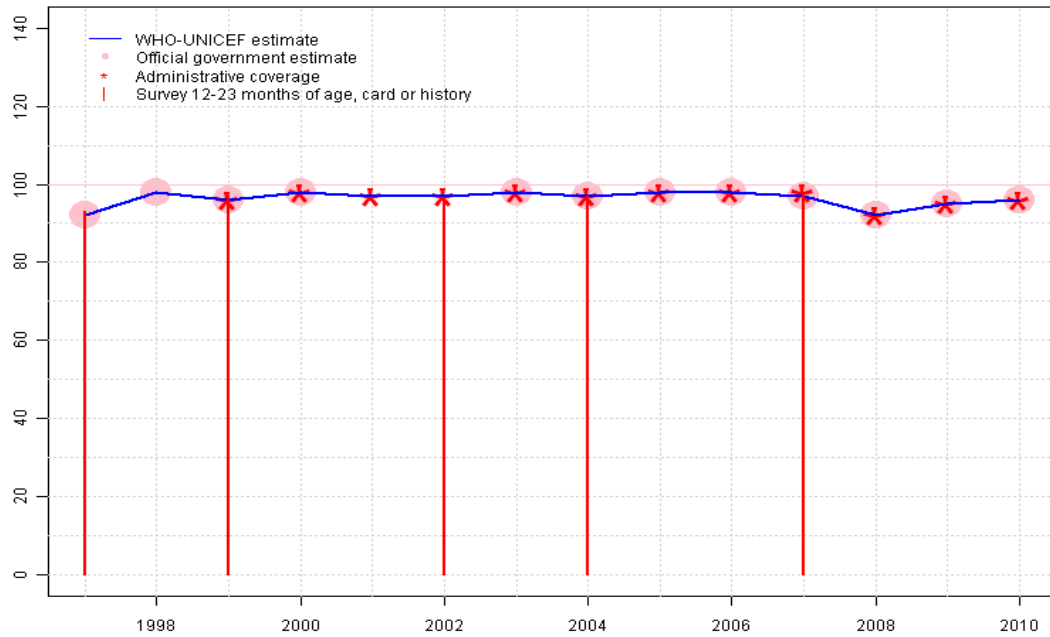
2008: Estimate based on reported data.

2009: Estimate based on reported data.

2010: Estimate based on reported data.

Egypt - MCV

EGY - MCV



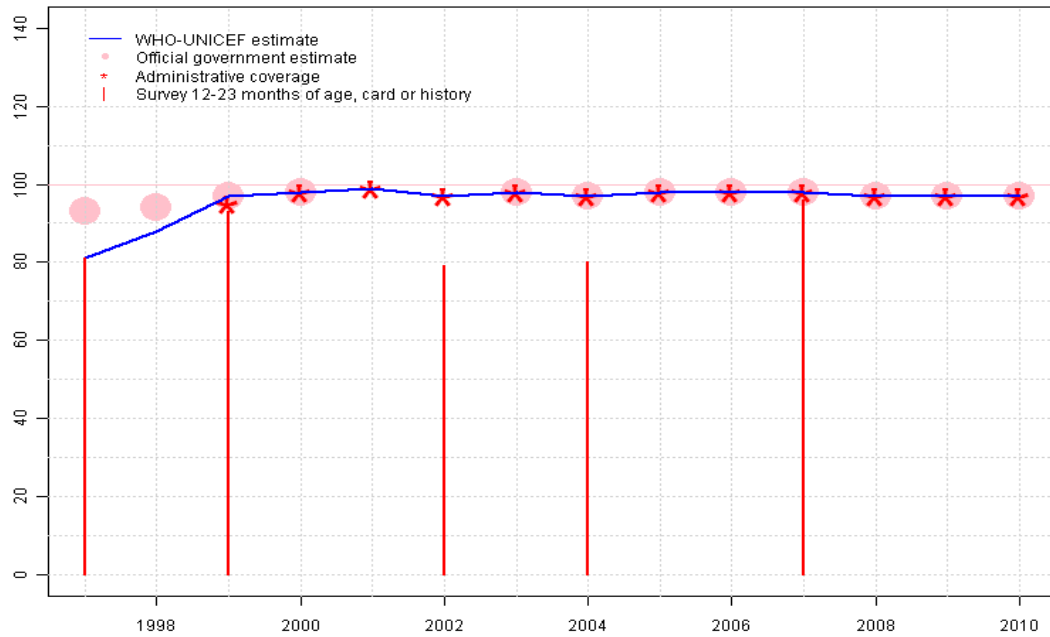
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on reported data.
- 1999: Estimate based on reported data. 97 percent survey results supports reported data of 96 percent.
- 2000: Estimate based on reported data.
- 2001: Estimate based on reported data.
- 2002: Estimate based on reported data. 96 percent survey results supports reported data of 97 percent.
- 2003: Estimate based on reported data.
- 2004: Estimate based on reported data. 97 percent survey results supports reported data of 97 percent.
- 2005: Estimate based on reported data.
- 2006: Estimate based on reported data.
- 2007: Estimate based on reported data. 98 percent survey results supports reported data of 97 percent.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.
- 2010: Estimate based on reported data.

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

Egypt - HepB3

EGY - HepB3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	81	88	97	98	99	97	98	97	98	98	98	97	97	97
Official	93	94	97	98	NA	NA	98	97	98	98	98	97	97	97
Administrative	NA	NA	95	98	99	97	98	97	98	98	98	97	97	97
Survey	81	NA	93	NA	NA	79	NA	80	NA	NA	96	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Reported data calibrated to 1997 and 1999 levels.

1999: Estimate based on reported data. 93 percent survey results supports reported data of 97 percent.

2000: Estimate based on reported data.

2001: Estimate based on reported data.

2002: Estimate based on reported data. Survey not accepted. Survey results inconsistent with other data.

2003: Estimate based on reported data.

2004: Estimate based on reported data. Survey not accepted. Survey results inconsistent with other data.

2005: Estimate based on reported data.

2006: Estimate based on reported data.

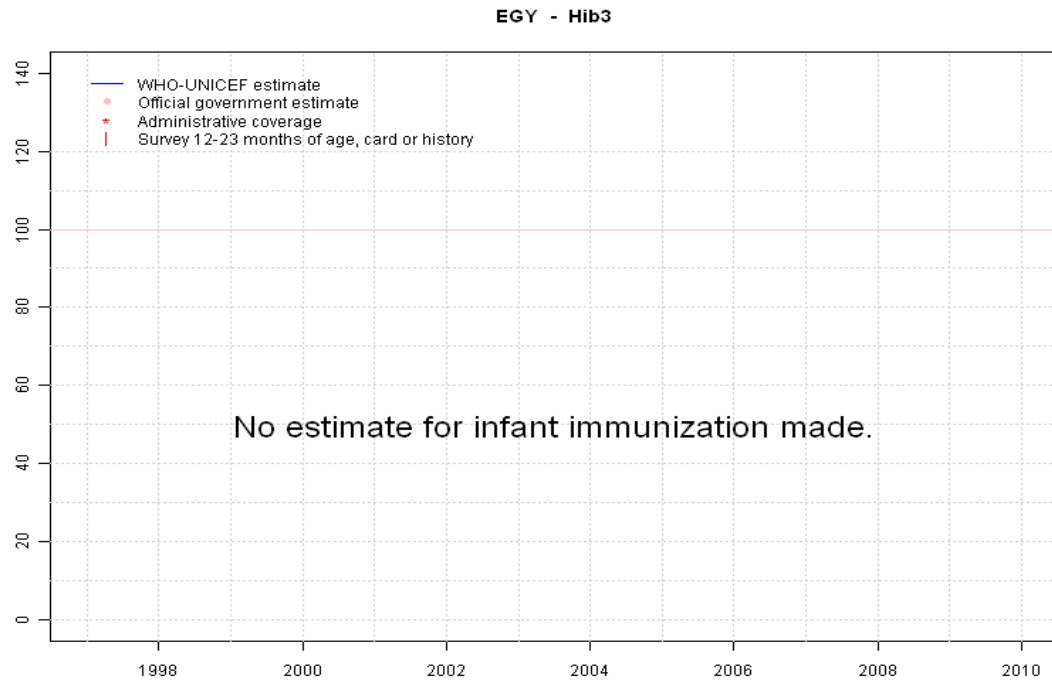
2007: Estimate based on reported data. 98 percent survey results supports reported data of 98 percent. Survey results of 96 percent modified for recall bias to 98 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 68 percent and 3d dose card only coverage of 67 percent.

2008: Estimate based on reported data.

2009: Estimate based on reported data.

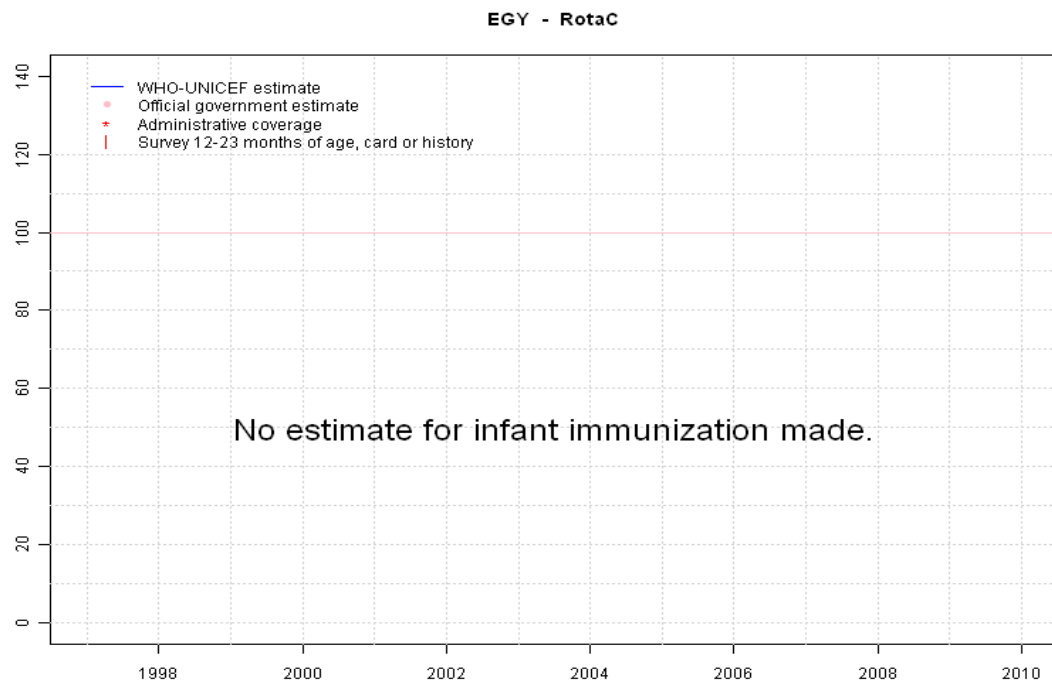
2010: Estimate based on reported data.

Egypt - Hib3



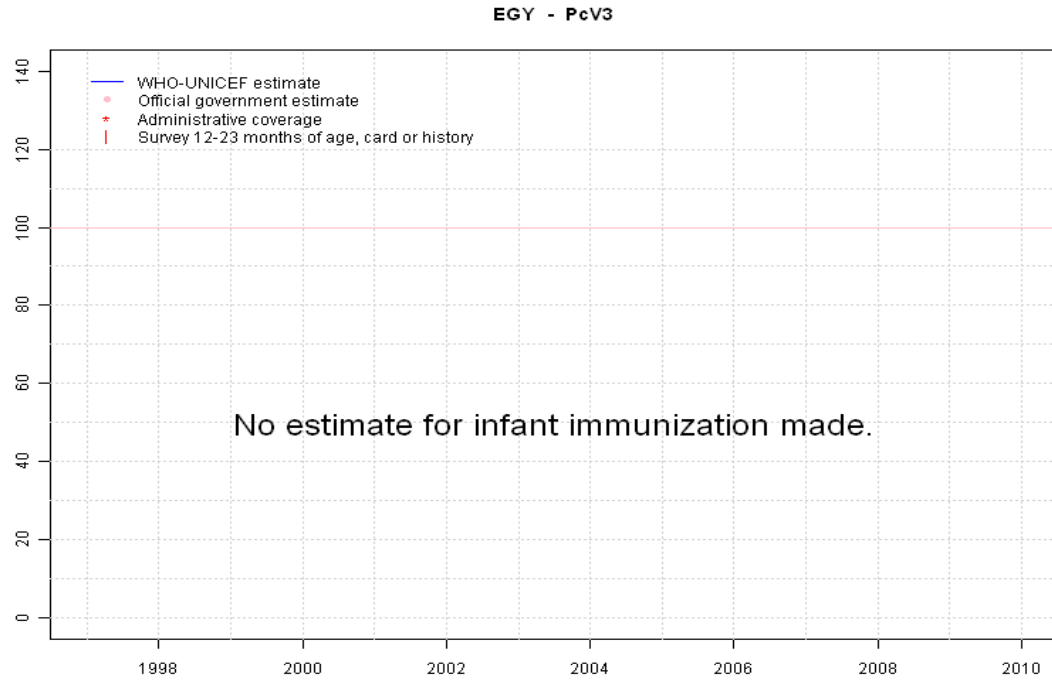
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Egypt - 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

Egypt - 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

Egypt - survey details

2007 Egypt Demographic and Health Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	68	12-23 m	2160	68
BCG	C or H <12 months	99	12-23 m	2160	68
BCG	Card or History	99	12-23 m	2160	68
BCG	History	31	12-23 m	2160	68
DTP1	History	31	12-23 m	2160	68
DTP1	Card or History	100	12-23 m	2160	68
DTP1	C or H <12 months	100	12-23 m	2160	68
DTP1	Card	68	12-23 m	2160	68
DTP3	C or H <12 months	97	12-23 m	2160	68
DTP3	Card	68	12-23 m	2160	68
DTP3	Card or History	98	12-23 m	2160	68
DTP3	History	30	12-23 m	2160	68
HepB1	Card	68	12-23 m	2160	68
HepB1	History	31	12-23 m	2160	68
HepB1	Card or History	99	12-23 m	2160	68
HepB1	C or H <12 months	99	12-23 m	2160	68
HepB3	C or H <12 months	96	12-23 m	2160	68
HepB3	History	29	12-23 m	2160	68
HepB3	Card	67	12-23 m	2160	68
HepB3	Card or History	96	12-23 m	2160	68
MCV	Card	67	12-23 m	2160	68
MCV	History	31	12-23 m	2160	68
MCV	Card or History	98	12-23 m	2160	68
MCV	C or H <12 months	97	12-23 m	2160	68
Pol1	Card	68	12-23 m	2160	68
Pol1	Card or History	100	12-23 m	2160	68
Pol1	C or H <12 months	100	12-23 m	2160	68
Pol1	History	31	12-23 m	2160	68
Pol3	C or H <12 months	94	12-23 m	2160	68
Pol3	Card or History	94	12-23 m	2160	68
Pol3	History	26	12-23 m	2160	68
Pol3	Card	68	12-23 m	2160	68

2004 Egypt Demographic and Health Survey 2005

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	72	12-23 m	2680	73
BCG	Card or History	98	12-23 m	2680	73
BCG	History	26	12-23 m	2680	73
BCG	C or H <12 months	98	12-23 m	2680	73
DTP1	History	26	12-23 m	2680	73
DTP1	C or H <12 months	99	12-23 m	2680	73
DTP1	Card	73	12-23 m	2680	73
DTP1	Card or History	99	12-23 m	2680	73
DTP3	C or H <12 months	93	12-23 m	2680	73
DTP3	Card	70	12-23 m	2680	73
DTP3	Card or History	94	12-23 m	2680	73
DTP3	History	23	12-23 m	2680	73
HepB1	History	24	12-23 m	2680	73
HepB1	C or H <12 months	91	12-23 m	2680	73
HepB1	Card or History	91	12-23 m	2680	73
HepB1	Card	67	12-23 m	2680	73
HepB3	C or H <12 months	80	12-23 m	2680	73
HepB3	Card	60	12-23 m	2680	73
HepB3	Card or History	80	12-23 m	2680	73
HepB3	History	20	12-23 m	2680	73
MCV	C or H <12 months	94	12-23 m	2680	73
MCV	Card	70	12-23 m	2680	73
MCV	History	26	12-23 m	2680	73
MCV	Card or History	97	12-23 m	2680	73
Pol1	Card	73	12-23 m	2680	73
Pol1	History	26	12-23 m	2680	73
Pol1	Card or History	100	12-23 m	2680	73
Pol1	C or H <12 months	100	12-23 m	2680	73
Pol3	C or H <12 months	97	12-23 m	2680	73
Pol3	Card	71	12-23 m	2680	73
Pol3	Card or History	97	12-23 m	2680	73
Pol3	History	26	12-23 m	2680	73

2002 Egypt Interim Demographic and Health Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	99	12-23 m	1192	74
DTP1	Card or History	100	12-23 m	1192	74

Egypt - survey details

DTP3	Card or History	93	12-23 m	1192	74
HepB3	Card or History	79	12-23 m	1192	74
MCV	Card or History	96	12-23 m	1192	74
Pol1	Card or History	100	12-23 m	1192	74
Pol3	Card or History	93	12-23 m	1192	74

1999 Egypt Demographic and Health Survey 2000, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	99	12-23 m	2170	72
BCG	Card	72	12-23 m	2170	72
BCG	History	27	12-23 m	2170	72
BCG	C or H <12 months	98	24-35 m	2209	69
BCG	C or H <12 months	98	36-47 m	2126	60
BCG	C or H <12 months	96	48-59 m	1988	52
DTP1	Card	72	12-23 m	2170	72
DTP1	Card or History	99	12-23 m	2170	72
DTP1	History	27	12-23 m	2170	72
DTP1	C or H <12 months	99	24-35 m	2209	69
DTP1	C or H <12 months	98	36-47 m	2126	60
DTP1	C or H <12 months	96	48-59 m	1988	52
DTP3	Card	70	12-23 m	2170	72
DTP3	Card or History	94	12-23 m	2170	72
DTP3	History	24	12-23 m	2170	72
DTP3	C or H <12 months	93	24-35 m	2209	69
DTP3	C or H <12 months	90	36-47 m	2126	60
DTP3	C or H <12 months	86	48-59 m	1988	52
HepB3	History	23	12-23 m	2170	72
HepB3	Card or History	93	12-23 m	2170	72
HepB3	Card	70	12-23 m	2170	72
HepB3	C or H <12 months	92	24-35 m	2209	69
HepB3	C or H <12 months	89	36-47 m	2126	60

HepB3	C or H <12 months	84	48-59 m	1988	52
MCV	Card	70	12-23 m	2170	72
MCV	Card or History	97	12-23 m	2170	72
MCV	History	26	12-23 m	2170	72
MCV	C or H <12 months	89	24-35 m	2209	69
MCV	C or H <12 months	84	36-47 m	2126	60
MCV	C or H <12 months	80	48-59 m	1988	52
Pol1	Card	72	12-23 m	2170	72
Pol1	Card or History	100	12-23 m	2170	72
Pol1	History	27	12-23 m	2170	72
Pol1	C or H <12 months	99	24-35 m	2209	69
Pol1	C or H <12 months	98	36-47 m	2126	60
Pol1	C or H <12 months	96	48-59 m	1988	52
Pol3	Card	70	12-23 m	2170	72
Pol3	Card or History	95	12-23 m	2170	72
Pol3	History	24	12-23 m	2170	72
Pol3	C or H <12 months	93	24-35 m	2209	69
Pol3	C or H <12 months	91	36-47 m	2126	60
Pol3	C or H <12 months	86	48-59 m	1988	52

1997 Egypt Demographic and Health Survey 1998

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	98	12-23 m	837	65
DTP1	Card or History	98	12-23 m	837	65
DTP3	Card or History	88	12-23 m	837	65
HepB1	Card or History	94	12-23 m	837	65
HepB3	Card or History	81	12-23 m	837	65
MCV	Card or History	93	12-23 m	837	65
Pol1	Card or History	100	12-23 m	837	65
Pol3	Card or History	90	12-23 m	837	65

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

Egypt

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	74
1998	74
1999	77
2000	80
2001	80
2002	81
2003	82
2004	85
2005	85
2006	86
2007	85
2008	85
2009	85
2010	86

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.