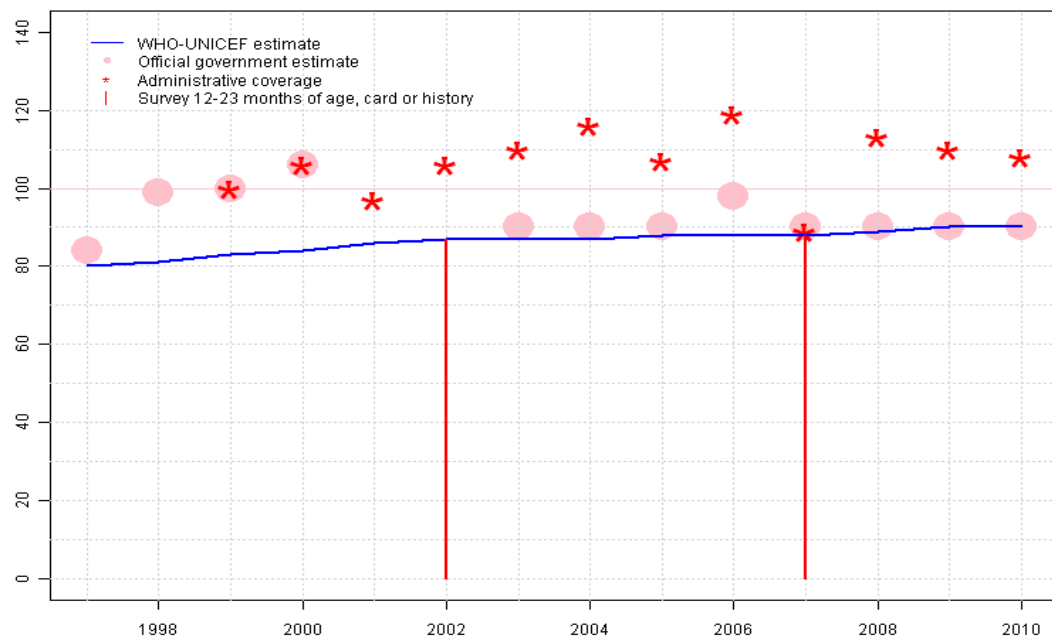


Mozambique - BCG

MOZ - BCG



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	80	81	83	84	86	87	87	87	88	88	88	89	90	90
Official	84	99	100	106	NA	NA	90	90	90	98	90	90	90	90
Administrative	NA	NA	100	106	97	106	110	116	107	119	89	113	110	108
Survey	NA	NA	NA	NA	NA	87	NA	NA	NA	NA	88	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

1999: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2000: Estimate based on interpolation between 1997 and 2002. Reported data of 106 percent greater than 100 percent. Reported data varies widely.

2001: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2002: Estimate based on survey results. Reported data of 106 percent greater than 100 percent.

2003: Estimate based on interpolation between 2002 and 2007. Reported data vary widely.

2004: Estimate based on interpolation between 2002 and 2007. Reported data vary widely.

2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 88 percent changed from previous revision value of 87 percent.

2006: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 88 percent changed from previous revision value of 87 percent.

2007: Estimate based on survey results. Current estimate of 88 percent changed from previous revision value of 87 percent.

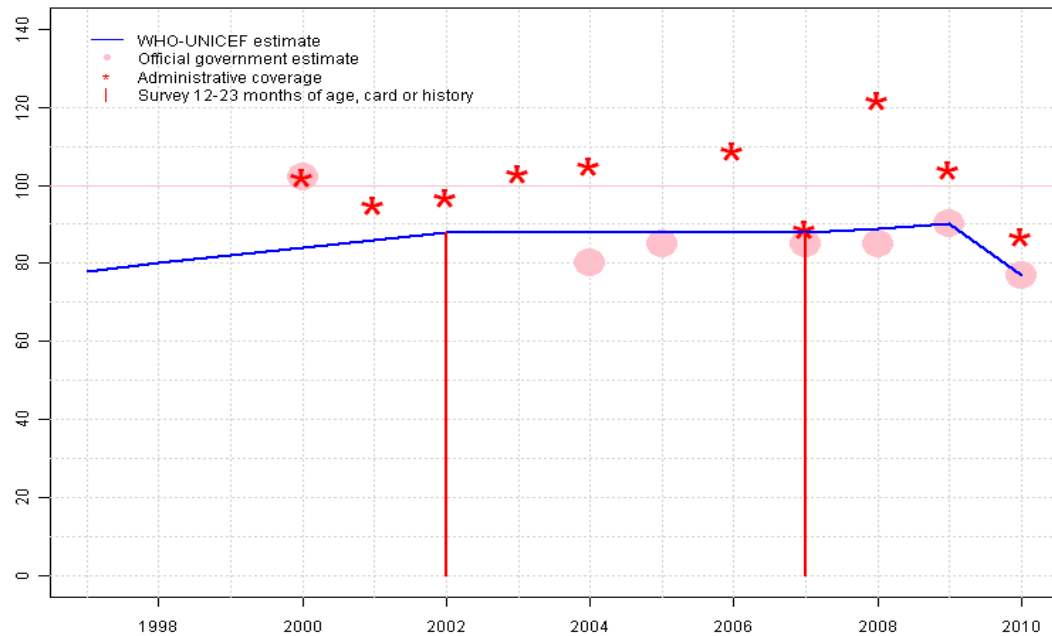
2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 89 percent changed from previous revision value of 87 percent.

2009: Government official estimates are based on data provided by MICS 2008. Current estimate of 90 percent changed from previous revision value of 87 percent.

2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results.

Mozambique - DTP1

MOZ - DTP1



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	78	80	82	84	86	88	88	88	88	88	88	89	90	77
Official	NA	NA	NA	102	NA	NA	NA	80	85	NA	85	85	90	77
Administrative	NA	NA	NA	102	95	97	103	105	NA	109	89	122	104	87
Survey	NA	NA	NA	NA	NA	88	NA	NA	NA	NA	88	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

1999: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2000: Estimate based on interpolation between 1997 and 2002. Reported data of 102 percent greater than 100 percent. Reported data varies widely.

2001: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2002: Estimate based on survey results.

2003: Estimate based on interpolation between 2002 and 2007. Reported data of 103 percent greater than 100 percent. Reported data vary widely.

2004: Estimate based on interpolation between 2002 and 2007. Reported data vary widely.

2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely.

2006: Estimate based on interpolation between 2002 and 2007. Reported data of 109 percent greater than 100 percent. Reported data not accepted due to an increase from 85 percent to 109 percent with a subsequent decrease to 85 percent. Reported data vary widely.

2007: Estimate based on survey results.

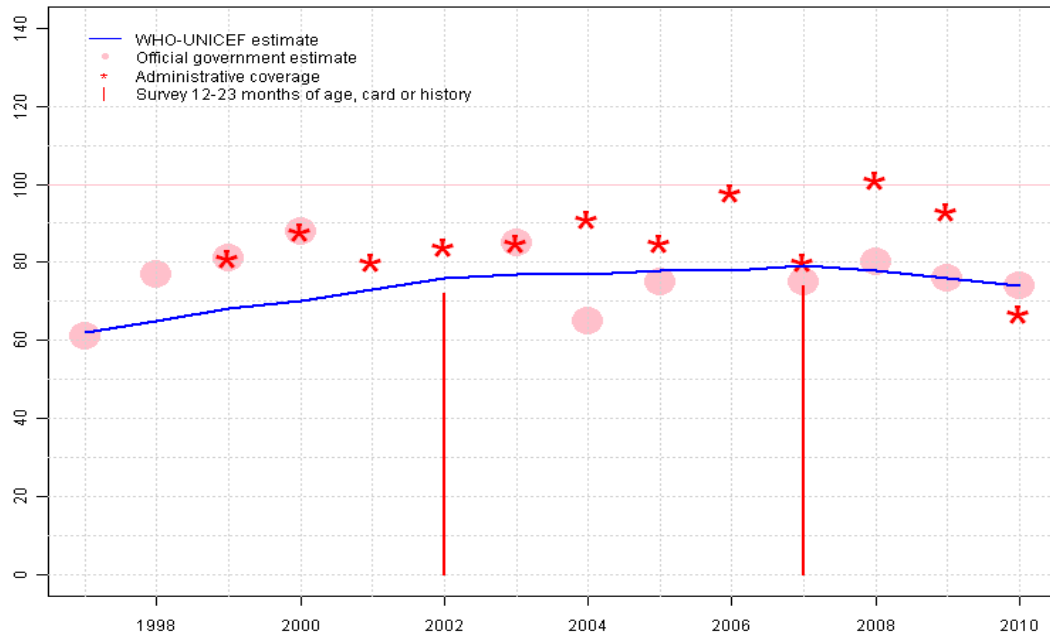
2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 89 percent changed from previous revision value of 88 percent.

2009: Government official estimates are based on data provided by MICS 2008. Current estimate of 90 percent changed from previous revision value of 88 percent.

2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results. Ministry of Health reports 3 months of DTPHepBHib vaccine stock out.

Mozambique - DTP3

MOZ - DTP3



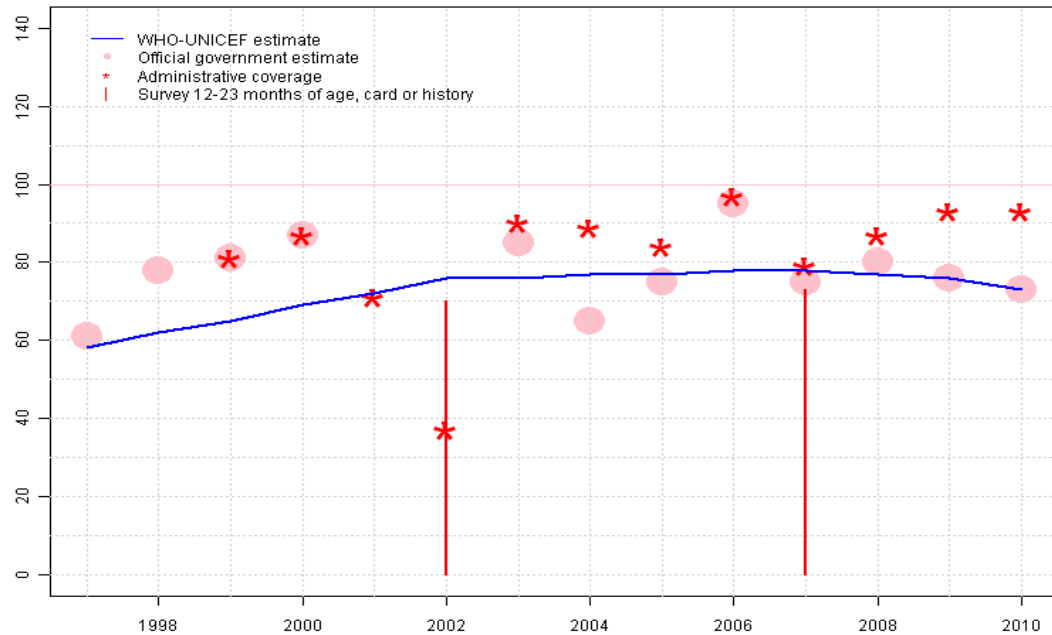
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	62	65	68	70	73	76	77	77	78	78	79	78	76	74
Official	61	77	81	88	NA	NA	85	65	75	NA	75	80	76	74
Administrative	NA	NA	81	88	80	84	85	91	85	98	80	101	93	67
Survey	NA	NA	NA	NA	NA	72	NA	NA	NA	NA	74	NA	NA	NA

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2002: Estimate based on survey results. Survey results of 72 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 76 percent and 3d dose card only coverage of 66 percent.
- 2003: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 76 percent.
- 2004: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 76 percent.
- 2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 76 percent.
- 2006: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to an increase from 75 percent to 98 percent with a subsequent decrease to 75 percent. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 76 percent.
- 2007: Estimate based on survey results. Survey results of 74 percent modified for recall bias to 79 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 79 percent and 3d dose card only coverage of 71 percent. Current estimate of 79 percent changed from previous revision value of 76 percent.
- 2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 76 percent.
- 2009: Government official estimates are based on data provided by MICS 2008.
- 2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results. Ministry of Health reports 3 months of DTP/HepB/Hib vaccine stock out.

Mozambique - Pol3

MOZ - Pol3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	58	62	65	69	72	76	76	77	77	78	78	77	76	73
Official	61	78	81	87	NA	NA	85	65	75	95	75	80	76	73
Administrative	NA	NA	81	87	71	37	90	89	84	97	79	87	93	93
Survey	NA	NA	NA	NA	NA	70	NA	NA	NA	NA	73	NA	NA	NA

Description:

1997: Legacy estimate.

1998: Estimate based on interpolation between 1997 and 2002. Reported data varies widely. Current estimate of 62 percent changed from previous revision value of 61 percent.

1999: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2000: Estimate based on interpolation between 1997 and 2002. Reported data varies widely. Current estimate of 69 percent changed from previous revision value of 68 percent.

2001: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.

2002: Estimate based on survey results. Reported data not accepted due to a decline from 71 percent to 37 percent with a subsequent increase to 85 percent. Survey results of 70 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 87 percent, 1st dose card only coverage of 76 percent and 3d dose card only coverage of 66 percent. Current estimate of 76 percent changed from previous revision value of 75 percent.

2003: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to an increase from 37 percent to 85 percent with a subsequent decrease to 65 percent. Reported data vary widely. Current estimate of 76 percent changed from previous revision value of 75 percent.

2004: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 75 percent.

2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 75 percent.

2006: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to an increase from 75 percent to 95 percent with a subsequent decrease to 75 percent. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 75 percent.

2007: Estimate based on survey results. Survey results of 73 percent modified for recall bias to 78 percent based on 1st dose card or history coverage of 87 percent, 1st dose card only coverage of 79 percent and 3d dose card only coverage of 71 percent. Current estimate of 78 percent changed from previous revision value of 75 percent.

2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 75 percent.

2009: Government official estimates are based on data provided by MICS 2008.

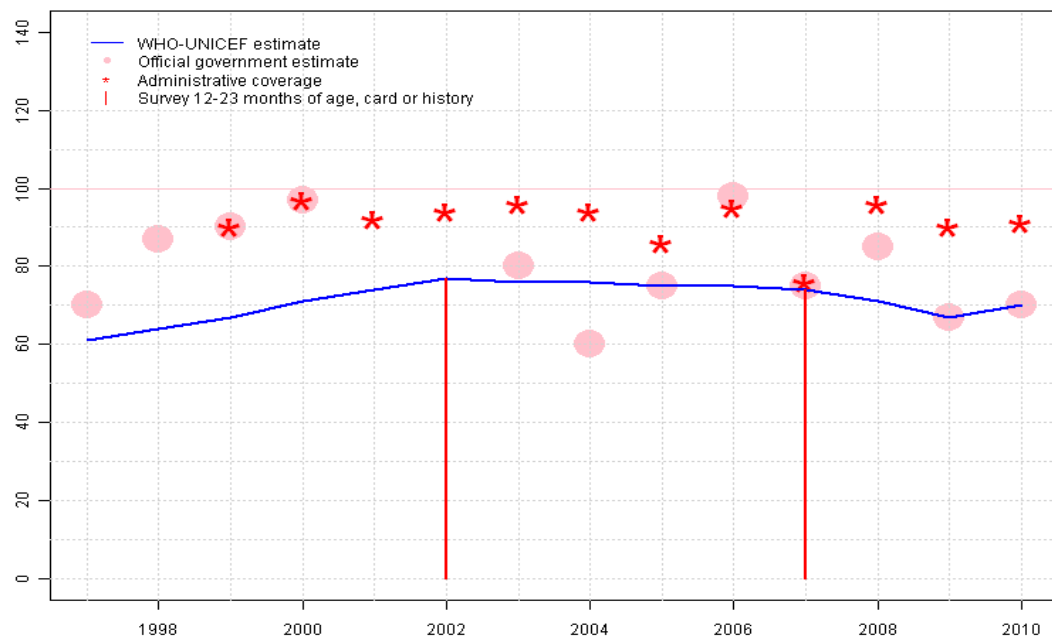
Mozambique - Pol3

Current estimate of 76 percent changed from previous revision value of 75 percent.

2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results.

Mozambique - MCV

MOZ - MCV



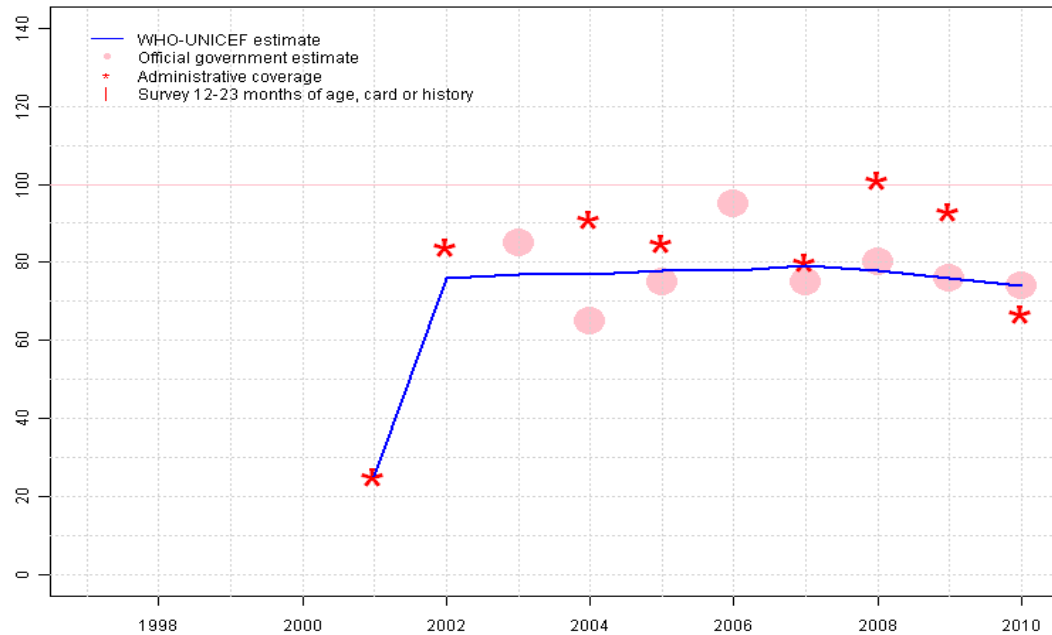
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	61	64	67	71	74	77	76	76	75	75	74	71	67	70
Official	70	87	90	97	NA	NA	80	60	75	98	75	85	67	70
Administrative	NA	NA	90	97	92	94	96	94	86	95	76	96	90	91
Survey	NA	NA	NA	NA	NA	77	NA	NA	NA	NA	74	NA	NA	NA

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on interpolation between 1997 and 2002. Reported data varies widely.
- 2002: Estimate based on survey results.
- 2003: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 76 percent changed from previous revision value of 77 percent.
- 2004: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to a decline from 80 percent to 60 percent with a subsequent increase to 75 percent. Reported data vary widely. Current estimate of 76 percent changed from previous revision value of 77 percent.
- 2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 75 percent changed from previous revision value of 77 percent.
- 2006: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to an increase from 75 percent to 98 percent with a subsequent decrease to 75 percent. Reported data vary widely. Current estimate of 75 percent changed from previous revision value of 77 percent.
- 2007: Estimate based on survey results. Current estimate of 74 percent changed from previous revision value of 77 percent.
- 2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 71 percent changed from previous revision value of 77 percent.
- 2009: Government official estimates are based on data provided by MICS 2008. Current estimate of 67 percent changed from previous revision value of 77 percent.
- 2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results.

Mozambique - HepB3

MOZ - HepB3

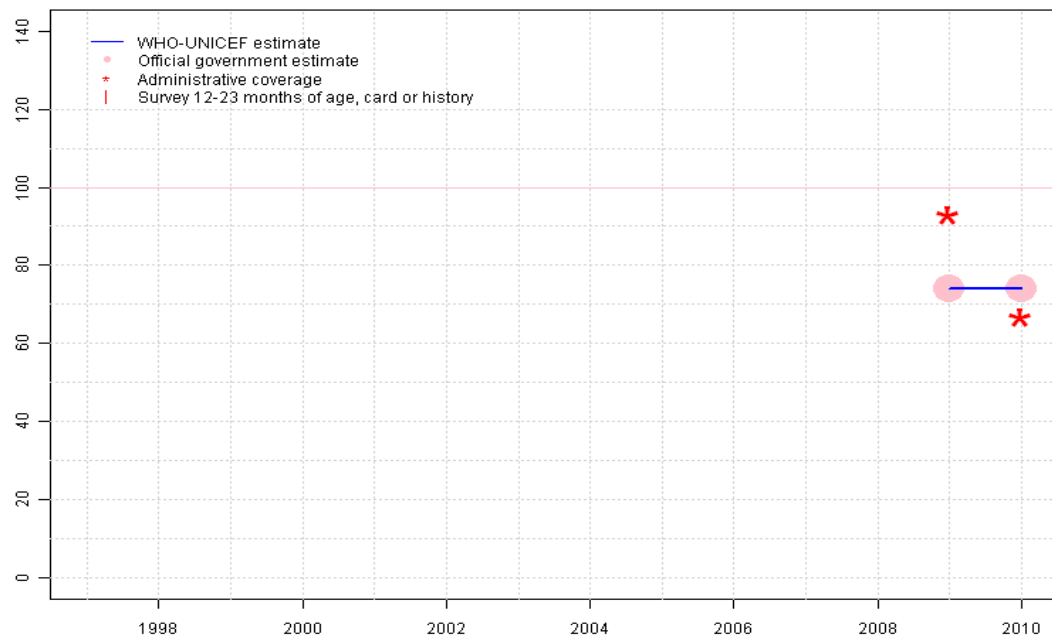


Description:

- 2001: Estimate based on reported data. HepB introduced in 2001
- 2002: Estimate based on survey results. Current estimate of 76 percent changed from previous revision value of 72 percent.
- 2003: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 72 percent.
- 2004: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 77 percent changed from previous revision value of 72 percent.
- 2005: Estimate based on interpolation between 2002 and 2007. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 72 percent.
- 2006: Estimate based on interpolation between 2002 and 2007. Reported data not accepted due to an increase from 75 percent to 95 percent with a subsequent decrease to 75 percent. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 72 percent.
- 2007: Estimate based on survey results. Current estimate of 79 percent changed from previous revision value of 72 percent.
- 2008: Estimate based on interpolation between 2007 and 2009. Reported data vary widely. Current estimate of 78 percent changed from previous revision value of 72 percent.
- 2009: Government official estimates are based on data provided by MICS 2008. Current estimate of 76 percent changed from previous revision value of 72 percent.
- 2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results. Ministry of Health reports 3 months of DTPHepBHib vaccine stock out.

Mozambique - Hib3

MOZ - Hib3



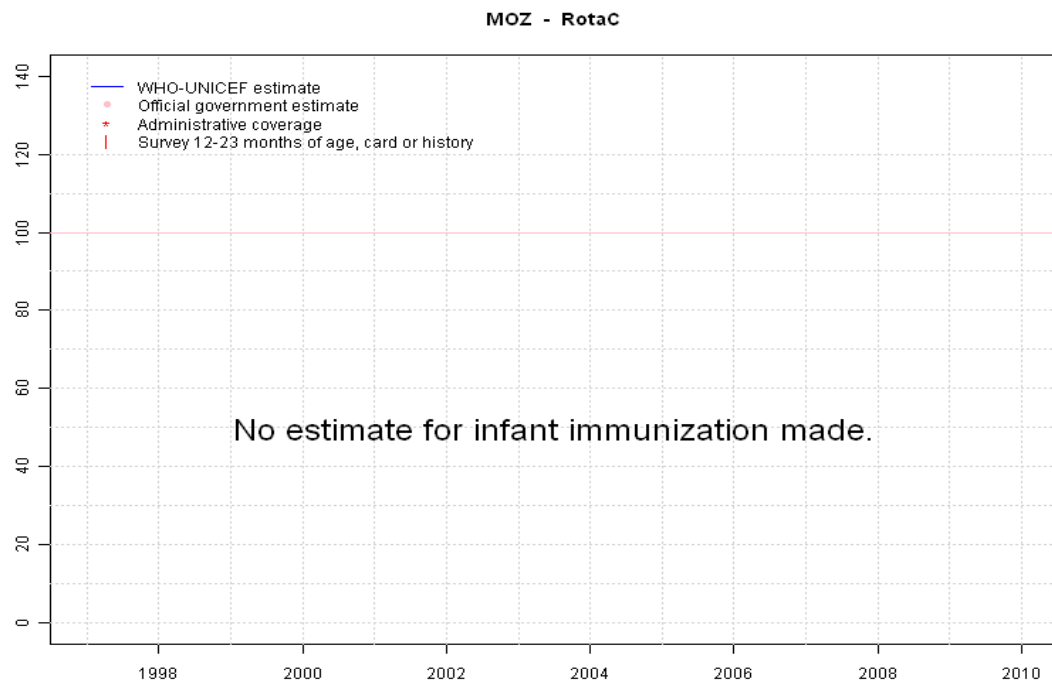
Description:

2009: Government official estimates are based on data provided by MICS 2008. Hib introduced in 2009 Vaccine presentation is DTP-HepB-Hib.

2010: Estimate based on reported data. National official estimates are based on projection from 2008 MICS survey results. Ministry of Health reports 3 months of DTPHepBHib vaccine stock out.

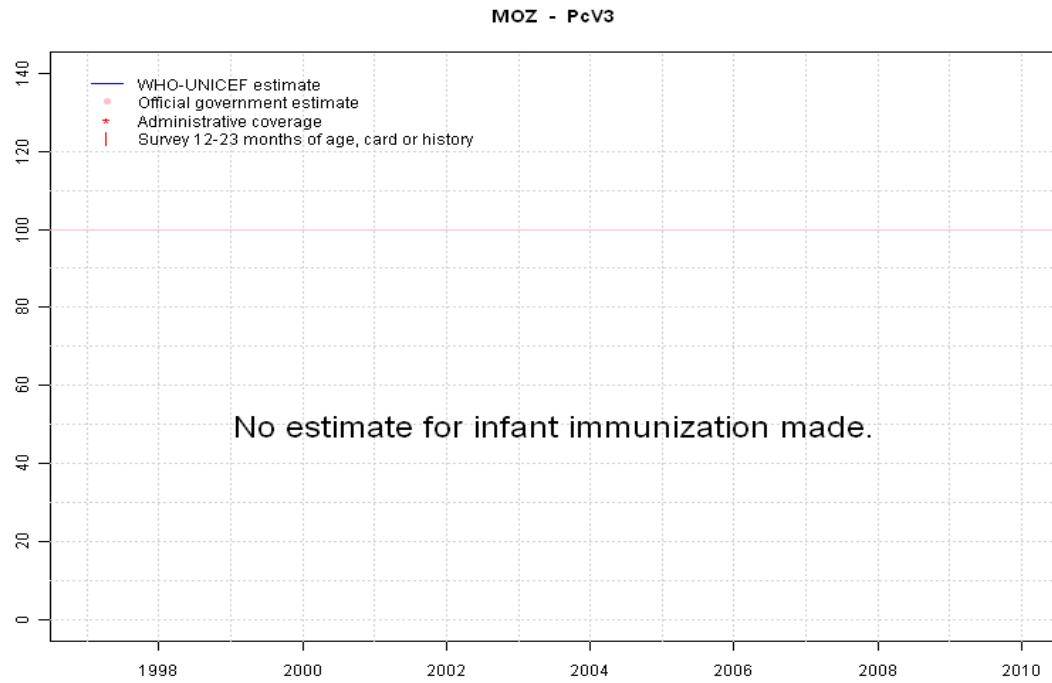
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74	74
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74	74
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93	67
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mozambique - 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

Mozambique - 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

Mozambique - survey details

2007 Mozambique Multiple Indicator Cluster Survey 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	88	12-23 m	2449	85
BCG	History	9	12-23 m	2449	85
BCG	Card	78	12-23 m	2449	85
BCG	C or H <12 months	87	12-23 m	2449	85
DTP1	C or H <12 months	87	12-23 m	2449	85
DTP1	Card	79	12-23 m	2449	85
DTP1	History	9	12-23 m	2449	85
DTP1	Card or History	88	12-23 m	2449	85
DTP3	History	3	12-23 m	2449	85
DTP3	Card or History	74	12-23 m	2449	85
DTP3	C or H <12 months	70	12-23 m	2449	85
DTP3	Card	71	12-23 m	2449	85
MCV	C or H <12 months	64	12-23 m	2449	85
MCV	Card	66	12-23 m	2449	85
MCV	History	8	12-23 m	2449	85
MCV	Card or History	74	12-23 m	2449	85
Pol1	Card	79	12-23 m	2449	85
Pol1	History	8	12-23 m	2449	85
Pol1	Card or History	87	12-23 m	2449	85
Pol1	C or H <12 months	86	12-23 m	2449	85
Pol3	Card	71	12-23 m	2449	85
Pol3	History	2	12-23 m	2449	85
Pol3	Card or History	73	12-23 m	2449	85
Pol3	C or H <12 months	70	12-23 m	2449	85

2002 Inquérito Demográfico e de Saúde 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	75	12-23 m	1933	78
BCG	History	13	12-23 m	1933	78
BCG	C or H <12 months	86	12-23 m	1933	78
BCG	Card or history	87	12-23 m	1933	78
DTP1	Card	76	12-23 m	1933	78
DTP1	Card or history	88	12-23 m	1933	78
DTP1	History	12	12-23 m	1933	78
DTP1	C or H <12 months	85	12-23 m	1933	78
DTP3	History	6	12-23 m	1933	78
DTP3	C or H <12 months	67	12-23 m	1933	78
DTP3	Card	66	12-23 m	1933	78
DTP3	Card or history	72	12-23 m	1933	78
MCV	Card	66	12-23 m	1933	78
MCV	Card or history	77	12-23 m	1933	78
MCV	History	11	12-23 m	1933	78
MCV	C or H <12 months	63	12-23 m	1933	78
Pol1	C or H <12 months	85	12-23 m	1933	78
Pol1	Card	76	12-23 m	1933	78
Pol1	Card or history	87	12-23 m	1933	78
Pol1	History	11	12-23 m	1933	78
Pol3	C or H <12 months	65	12-23 m	1933	78
Pol3	Card	66	12-23 m	1933	78
Pol3	History	4	12-23 m	1933	78
Pol3	Card or history	70	12-23 m	1933	78

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

Mozambique

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	58
1998	61
1999	69
2000	75
2001	68
2002	64
2003	60
2004	62
2005	77
2006	81
2007	82
2008	83
2009	83
2010	83

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.