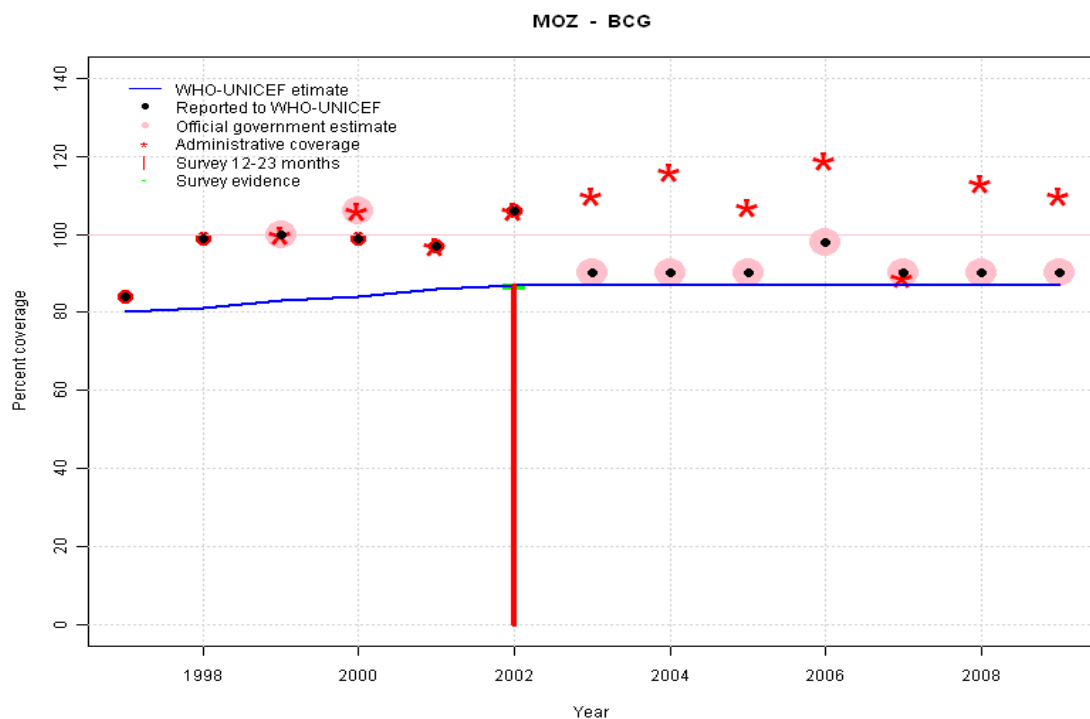


Mozambique - BCG

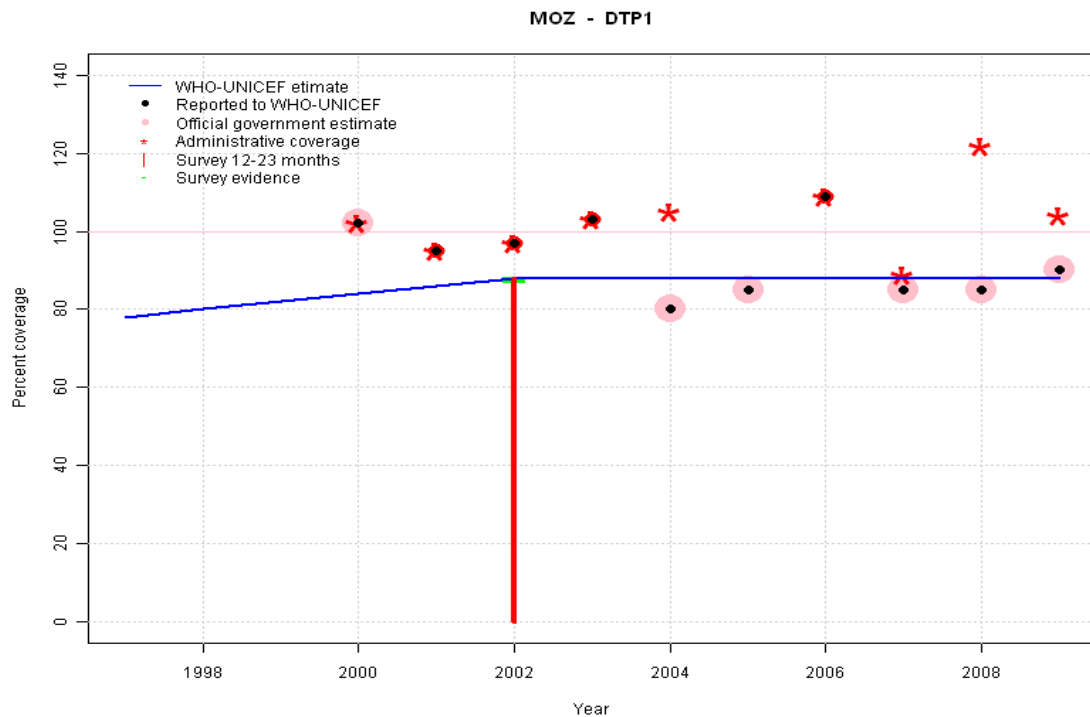


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	80	81	83	84	86	87	87	87	87	87	87	87	87
Reported	84	99	100	99	97	106	90	90	90	98	90	90	90
Official	NA	NA	100	106	NA	NA	90	90	90	98	90	90	90
Administrative	NA	NA	100	106	97	106	110	116	107	119	89	113	110
Survey	NA	NA	NA	NA	NA	87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

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2002: 2002 reported data (106 percent) ignored; greater than 100 percent.
- 2003: Estimate extrapolated from 2002 level (87 percent).
- 2004: Estimate extrapolated from 2002 level (87 percent).
- 2005: Estimate extrapolated from 2002 level (87 percent).
- 2006: Estimate extrapolated from 2002 level (87 percent).
- 2007: Estimate extrapolated from 2002 level (87 percent).
- 2008: Estimate extrapolated from 2002 level (87 percent).
- 2009: Estimate extrapolated from 2002 level (87 percent).

Mozambique - DTP1

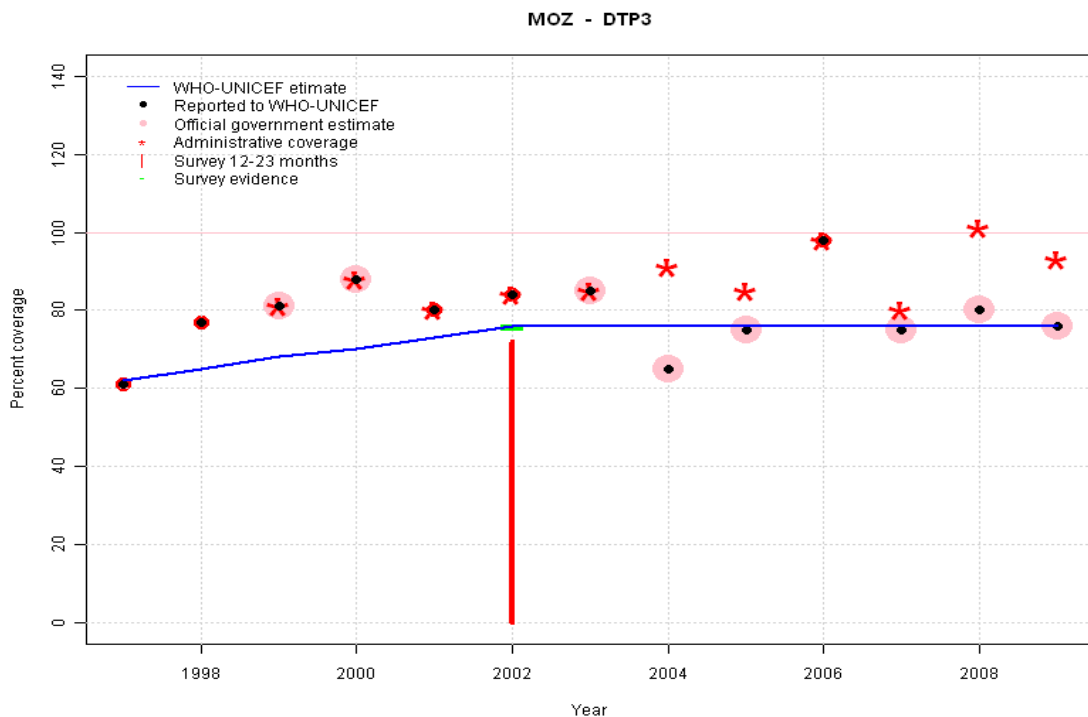


Description:

- 1997: Legacy estimate.
- 1998: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely. 2000 reported data (102 percent) ignored; greater than 100 percent.
- 2001: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2002:
- 2003: Estimate extrapolated from 2002 level (88 percent). 2003 reported data (103 percent) ignored; greater than 100 percent.
- 2004: Estimate extrapolated from 2002 level (88 percent).
- 2005: Estimate extrapolated from 2002 level (88 percent).
- 2006: Estimate extrapolated from 2002 level (88 percent). 2006 reported data (109 percent) ignored; greater than 100 percent. 2006 reported data (109 percent) inconsistent with data from other years.
- 2007: Estimate extrapolated from 2002 level (88 percent).
- 2008: Estimate extrapolated from 2002 level (88 percent).
- 2009: Estimate extrapolated from 2002 level (88 percent).

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

Mozambique - DTP3



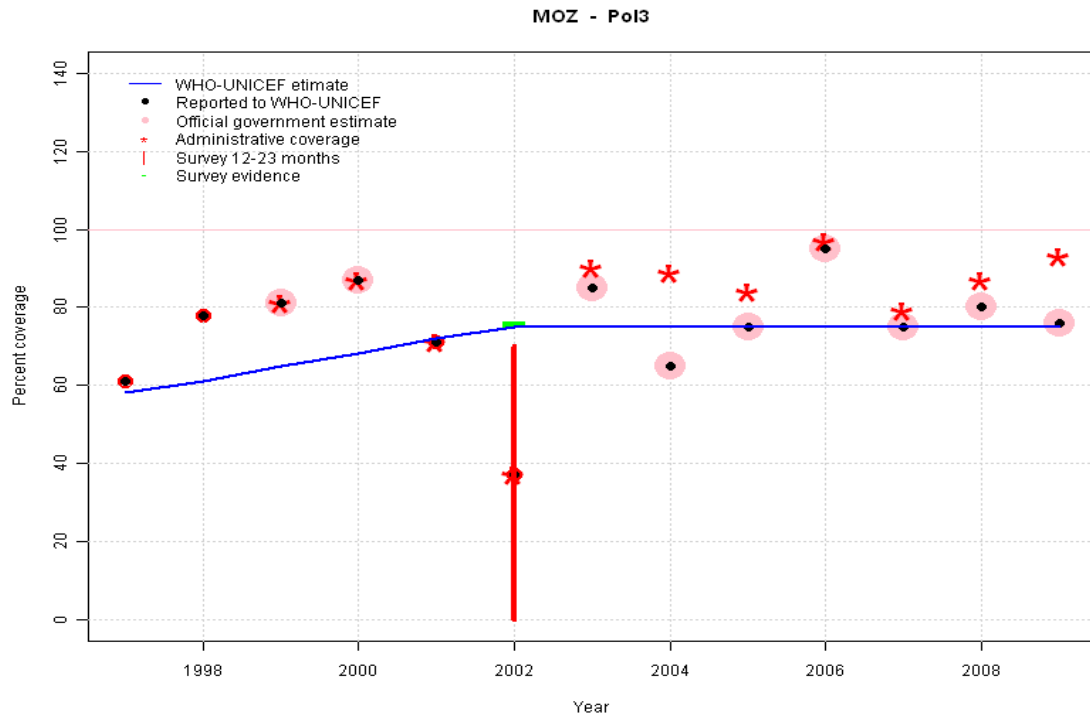
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	62	65	68	70	73	76	76	76	76	76	76	76	76
Reported	61	77	81	88	80	84	85	65	75	98	75	80	76
Official	NA	NA	81	88	NA	NA	85	65	75	NA	75	80	76
Administrative	NA	NA	81	88	80	84	85	91	85	98	80	101	93
Survey	NA	NA	NA	NA	NA	76	NA	NA	NA	NA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

Description:

- 1997: Legacy estimate.
- 1998: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2002: Survey results (72 percent) adjusted for recall bias to 76 percent based on first dose card or history coverage (88 percent) and documented drop-out between first (76 percent) and third (66 percent) doses.
- 2003: Estimate extrapolated from 2002 level (76 percent).
- 2004: Estimate extrapolated from 2002 level (76 percent).
- 2005: Estimate extrapolated from 2002 level (76 percent).
- 2006: Estimate extrapolated from 2002 level (76 percent). 2006 reported data (98 percent) inconsistent with data from other years.
- 2007: Estimate extrapolated from 2002 level (76 percent).
- 2008: Estimate extrapolated from 2002 level (76 percent).
- 2009: Estimate extrapolated from 2002 level (76 percent).

Mozambique - Pol3

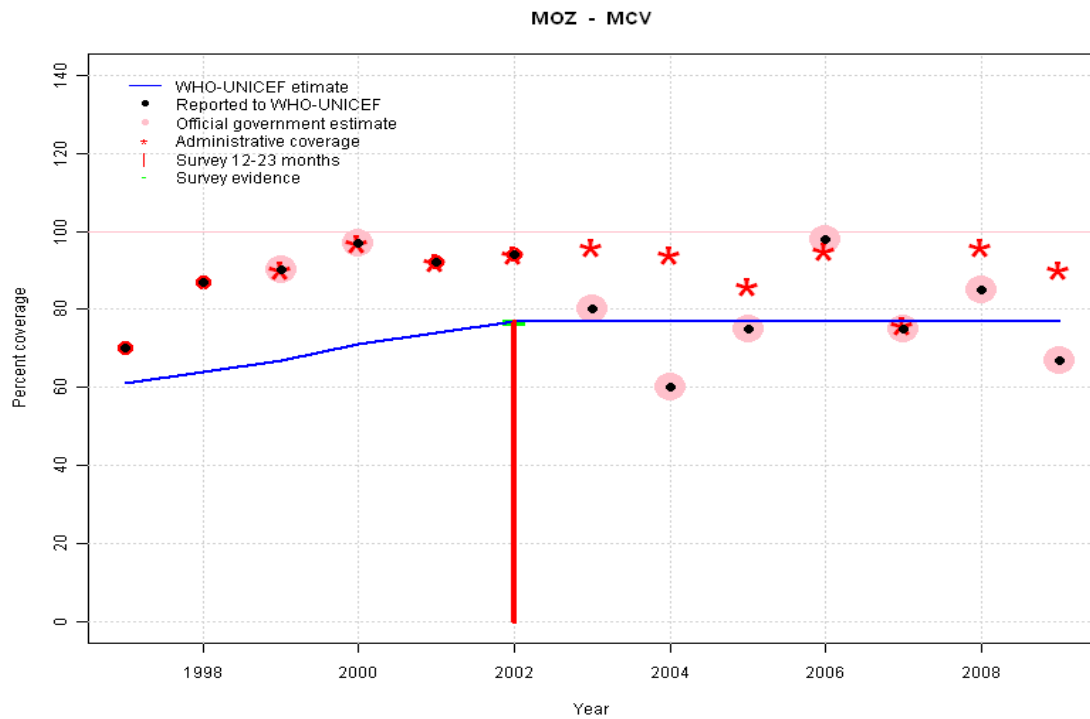
Description:



- 1997: Legacy estimate.
- 1998: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2002: Survey results (70 percent) adjusted for recall bias to 76 percent based on first dose card or history coverage (87 percent) and documented drop-out between first (76 percent) and third (66 percent) doses. 2002 reported data (37 percent) inconsistent with data from other years.
- 2003: Estimate extrapolated from 2002 level (75 percent). 2003 reported data (85 percent) inconsistent with data from other years.
- 2004: Estimate extrapolated from 2002 level (75 percent).
- 2005: Estimate extrapolated from 2002 level (75 percent).
- 2006: Estimate extrapolated from 2002 level (75 percent). 2006 reported data (95 percent) inconsistent with data from other years.
- 2007: Estimate extrapolated from 2002 level (75 percent).
- 2008: Estimate extrapolated from 2002 level (75 percent).
- 2009: Estimate extrapolated from 2002 level (75 percent).

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	58	61	65	68	72	75	75	75	75	75	75	75	75
Reported	61	78	81	87	71	37	85	65	75	95	75	80	76
Official	NA	NA	81	87	NA	NA	85	65	75	95	75	80	76
Administrative	NA	NA	81	87	71	37	90	89	84	97	79	87	93
Survey	NA	NA	NA	NA	NA	76	NA	NA	NA	NA	NA	NA	NA

Mozambique - MCV



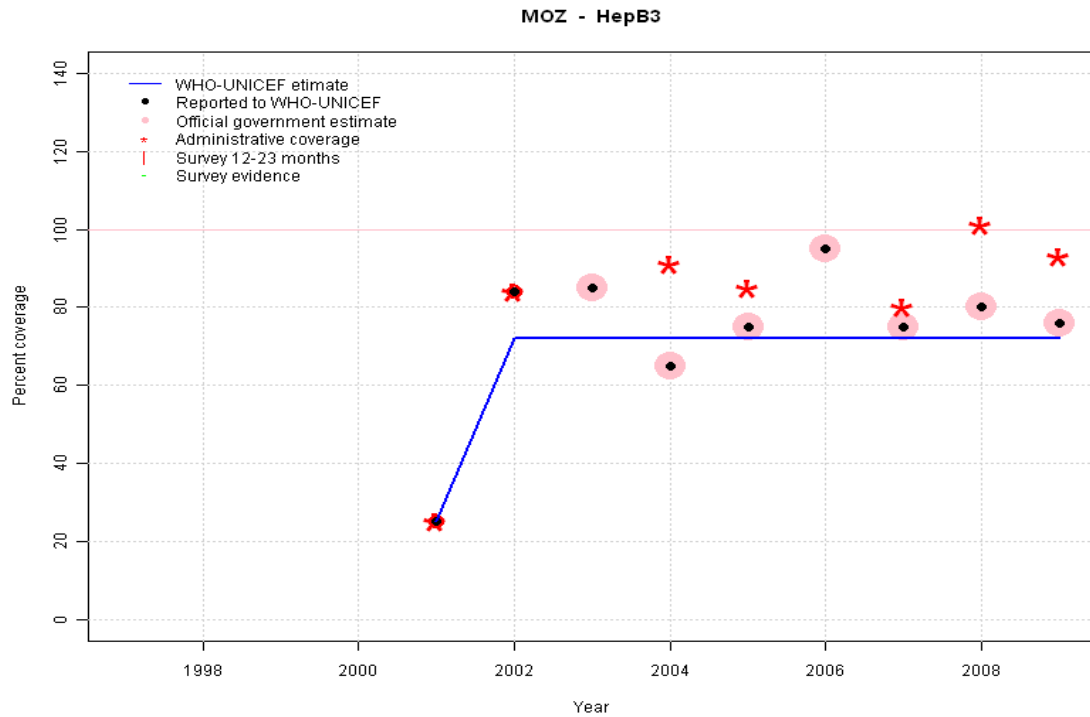
Description:

- 1997: Legacy estimate.
- 1998: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 1999: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2000: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2001: Estimate based on working group decision to interpolated between 1997 and 2002. Reported data varies widely.
- 2002: Estimate extrapolated from 2002 level (77 percent).
- 2003: Estimate extrapolated from 2002 level (77 percent).
- 2004: Estimate extrapolated from 2002 level (77 percent). 2004 reported data (60 percent) inconsistent with data from other years.
- 2005: Estimate extrapolated from 2002 level (77 percent).
- 2006: Estimate extrapolated from 2002 level (77 percent). 2006 reported data (98 percent) inconsistent with data from other years.
- 2007: Estimate extrapolated from 2002 level (77 percent).
- 2008: Estimate extrapolated from 2002 level (77 percent).
- 2009: Estimate extrapolated from 2002 level (77 percent). 2009 reported data (67 percent) inconsistent with data from other years.

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

Mozambique - HepB3

Description:



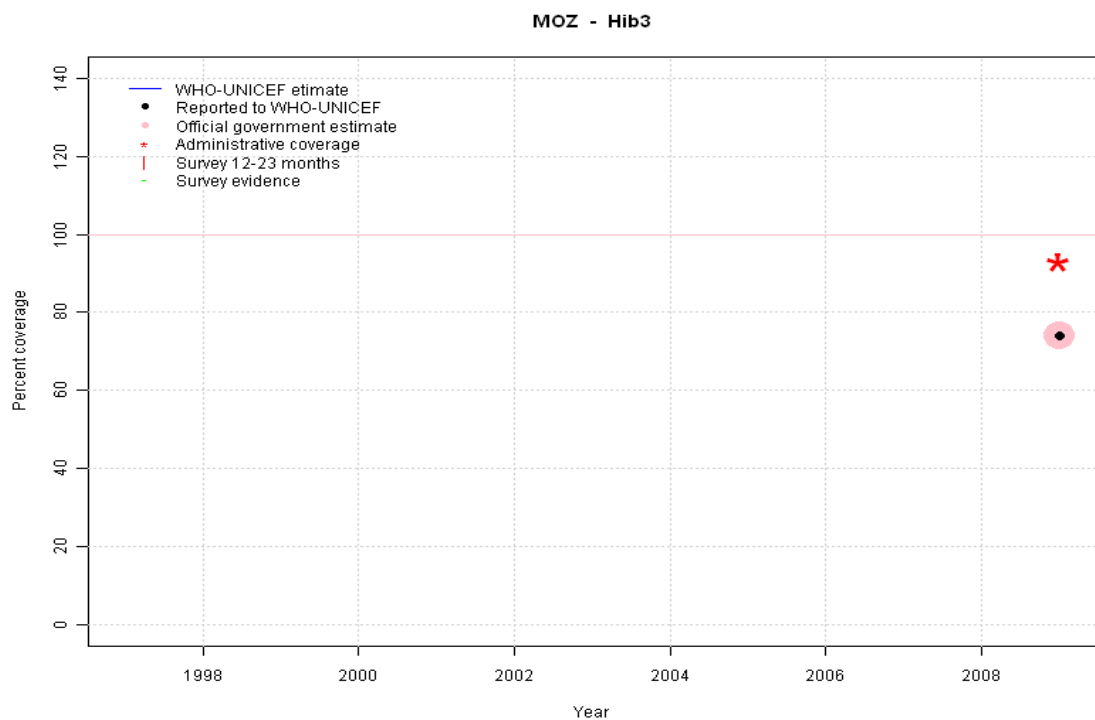
- 2001: HepB introduced in 2001
- 2002:
- 2003: Estimate extrapolated from 2002 level (72 percent).
- 2004: Estimate extrapolated from 2002 level (72 percent).
- 2005: Estimate extrapolated from 2002 level (72 percent).
- 2006: Estimate extrapolated from 2002 level (72 percent). 2006 reported data (95 percent) inconsistent with data from other years.
- 2007: Estimate extrapolated from 2002 level (72 percent).
- 2008: Estimate extrapolated from 2002 level (72 percent).
- 2009: Estimate extrapolated from 2002 level (72 percent).

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	25	72	72	72	72	72	72	72	72
Reported	NA	NA	NA	NA	25	84	85	65	75	95	75	80	76
Official	NA	NA	NA	NA	NA	NA	85	65	75	95	75	80	76
Administrative	NA	NA	NA	NA	25	84	NA	91	85	NA	80	101	93
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Mozambique - Hib3

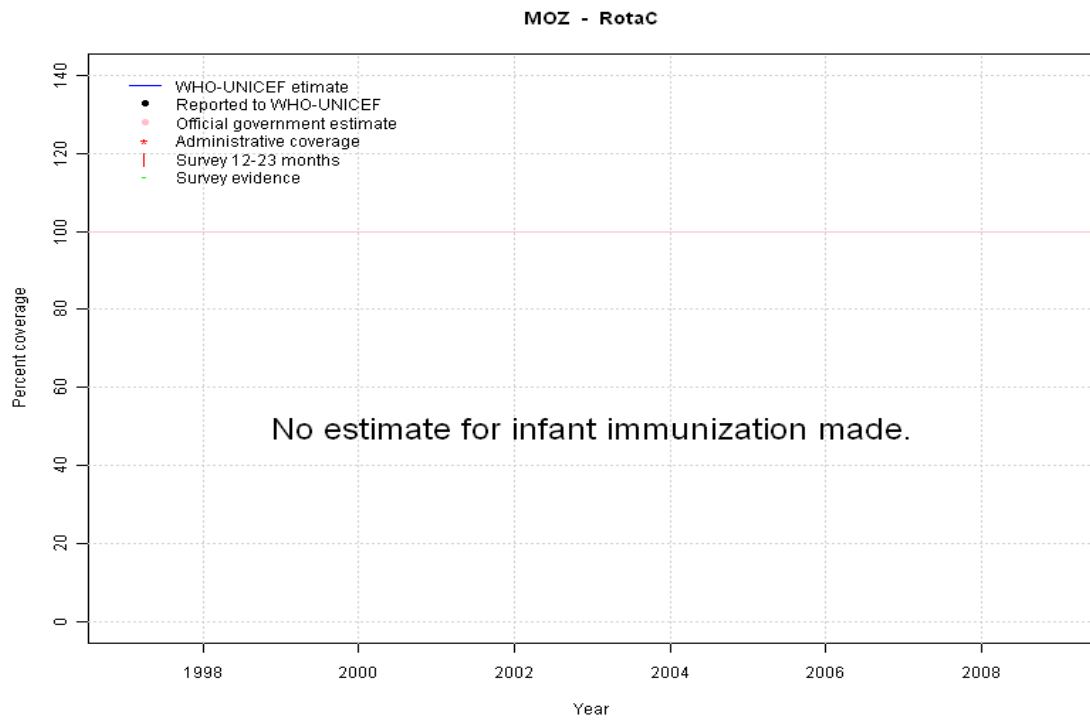
Description:

2009: Estimate based on reported data. Hib introduced in 2009 Vaccine presentation is DTP-HepB-Hib.



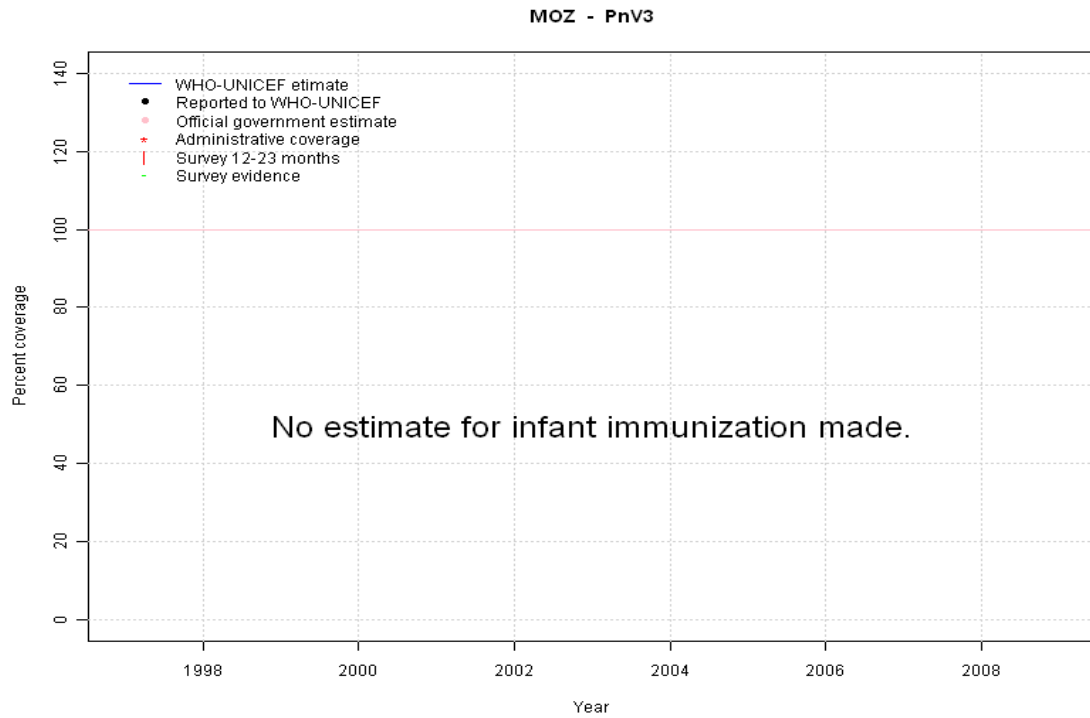
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	74
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA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

Mozambique - RotaC



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
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

Mozambique - 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

Mozambique - survey details

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	Card or history	87	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
DTP1	C or H <12 months	85	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
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	History	4	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	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

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.