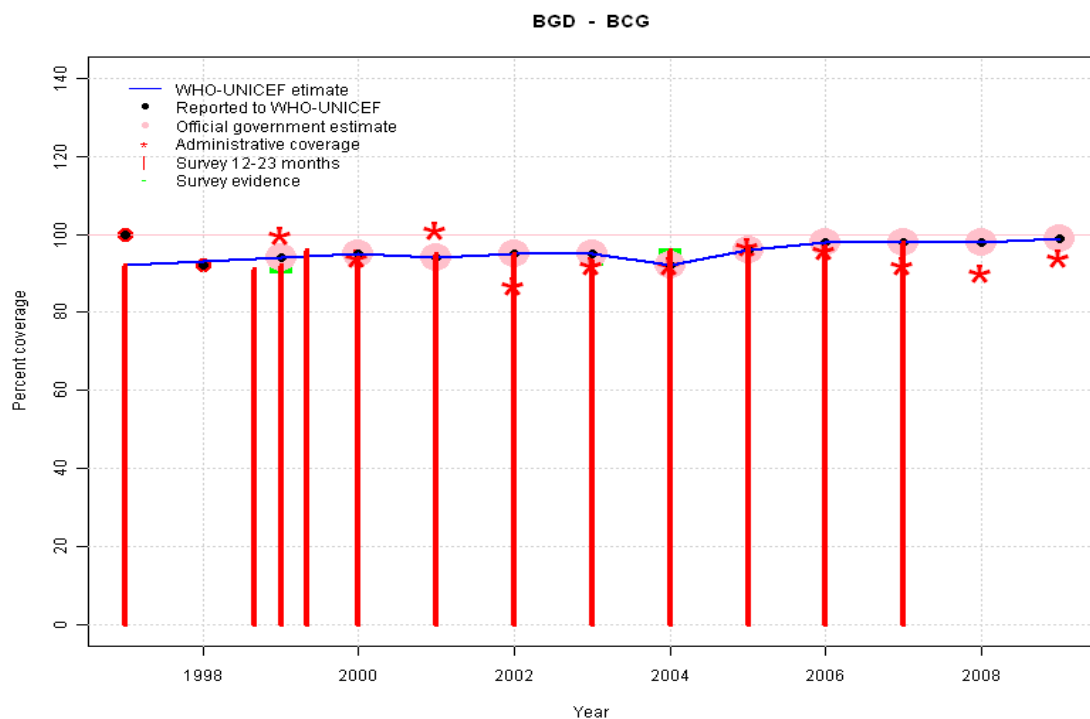


Bangladesh - BCG

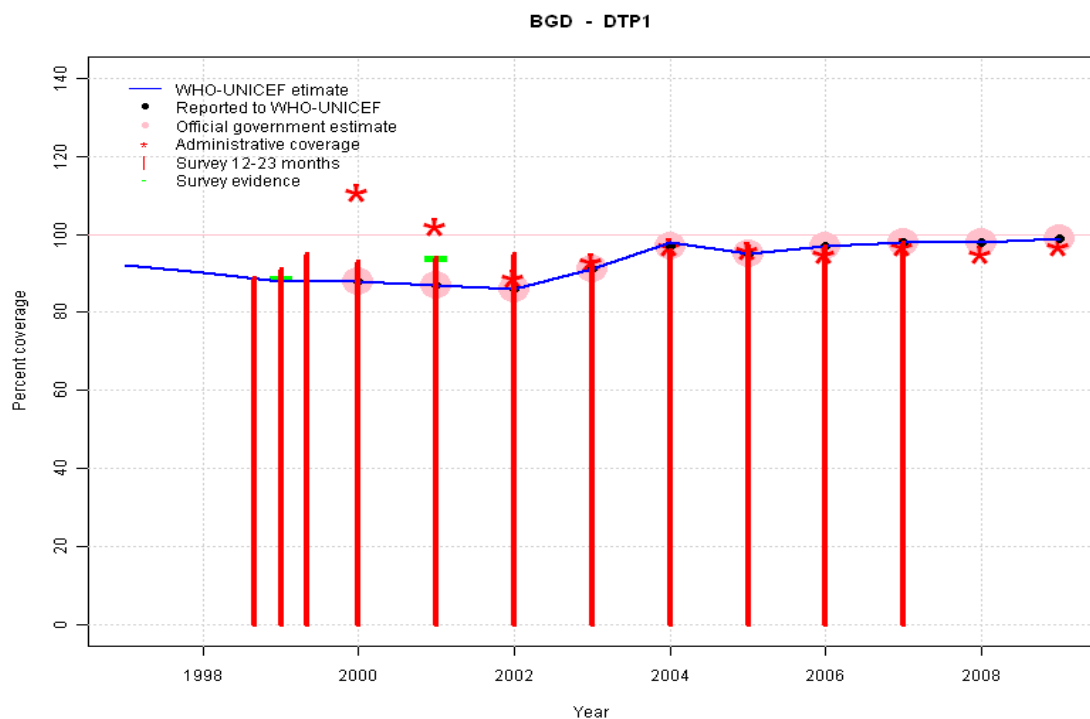


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	92	93	94	95	94	95	95	92	96	98	98	98	99
Reported	100	92	94	95	94	95	95	92	96	98	98	98	99
Official	NA	NA	94	95	94	95	95	92	96	98	98	98	99
Administrative	NA	NA	100	94	101	87	92	92	97	96	92	90	94
Survey	NA	NA	91	NA	95	NA	93	96	97	97	98	NA	NA

Description:

- 1997: Legacy estimate. Survey results of 92 percent with sample size 0 ignored; sample size less than 300.
- 1998: Estimate interpolated between 1997 and 1999 estimates.
- 1999: Estimate based on reported data (94 percent) confirmed by survey (91 percent). Survey results of 92 percent with sample size 0 ignored; sample size less than 300. Survey results of 96 percent with sample size 0 ignored; sample size less than 300.
- 2000: Estimate based on reported data. Survey results of 94 percent with sample size 0 ignored; sample size less than 300.
- 2001: Estimate based on reported data (94 percent) confirmed by survey (95 percent).
- 2002: Estimate based on reported data. Survey results of 95 percent with sample size 0 ignored; sample size less than 300.
- 2003: Estimate based on reported data (95 percent) confirmed by survey (93 percent).
- 2004: Estimate based on reported data (92 percent) confirmed by survey (96 percent).
- 2005: Estimate based on reported data (96 percent) confirmed by survey (97 percent).
- 2006: Estimate based on reported data (98 percent) confirmed by survey (97 percent).
- 2007: Estimate based on reported data (98 percent) confirmed by survey (98 percent).
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

Bangladesh - DTP1

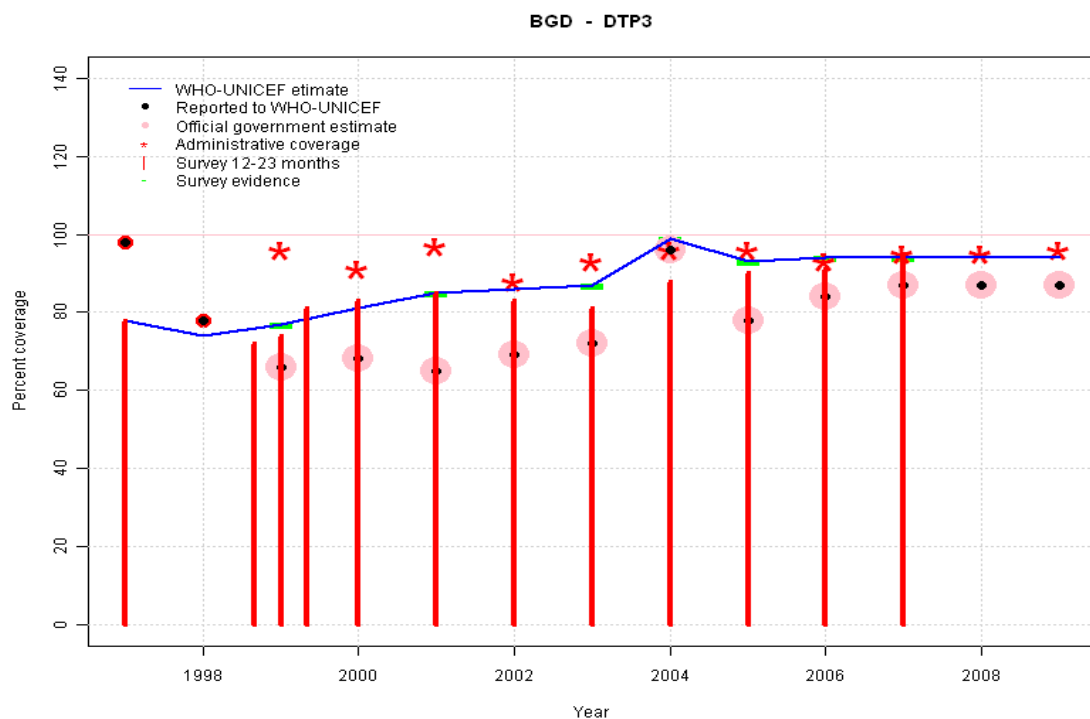


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	92	90	88	88	87	86	91	98	95	97	98	98	99
Reported	NA	NA	NA	88	87	86	91	97	95	97	98	98	99
Official	NA	NA	NA	88	87	86	91	97	95	97	98	98	99
Administrative	NA	NA	NA	111	102	89	93	97	96	95	97	95	97
Survey	NA	NA	89	NA	94	NA	93	96	97	97	98	NA	NA

Description:

- 1997: Legacy estimate.
- 1998: Estimate interpolated between 1997 and 1999 estimates.
- 1999: Estimate based on interpolated value between reported data. Survey (89 percent) confirms trend in reported data. Survey results of 91 percent with sample size 0 ignored; sample size less than 300. Survey results of 95 percent with sample size 0 ignored; sample size less than 300.
- 2000: Estimate based on reported data. Survey results of 93 percent with sample size 0 ignored; sample size less than 300.
- 2001: Estimate based on reported data (87 percent) confirmed by survey (94 percent).
- 2002: Estimate based on reported data. Survey results of 95 percent with sample size 0 ignored; sample size less than 300.
- 2003: Estimate based on reported data (91 percent) confirmed by survey (93 percent).
- 2004: Estimated DTP3 greater than estimated DTP1; DTP1 estimate based on the relationship between DTP1 and DTP3 from 282 surveys.
- 2005: Estimate based on reported data (95 percent) confirmed by survey (97 percent).
- 2006: Estimate based on reported data (97 percent) confirmed by survey (97 percent).
- 2007: Estimate based on reported data (98 percent) confirmed by survey (98 percent).
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

Bangladesh - DTP3



	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	78	74	77	81	85	86	87	99	93	94	94	94	94
Reported	98	78	66	68	65	69	72	96	78	84	87	87	87
Official	NA	NA	66	68	65	69	72	96	78	84	87	87	87
Administrative	NA	NA	96	91	97	88	93	96	96	93	95	95	96
Survey	NA	NA	77	NA	85	NA	87	99	93	94	94	NA	NA

Description:

- 1997: Legacy estimate. Survey results of 78 percent with sample size 0 ignored; sample size less than 300.
- 1998: Reported data (78 percent) calibrated to 1997 and 1999 levels.
- 1999: Estimate based on survey results. Reported data (66 percent) not consistent with survey results (77 percent). Survey results of 74 percent with sample size 0 ignored; sample size less than 300. Survey results (72 percent) adjusted for recall bias to 77 percent based on first dose card or history coverage (89 percent) and documented drop-out between first (44 percent) and third (38 percent) doses.
- 2000: Estimate interpolated between 1999 and 2001 estimates. Survey results of 83 percent with sample size 0 ignored; sample size less than 300.
- 2001: Estimate based on survey results. Reported data (65 percent) not consistent with survey results (85 percent).
- 2002: Reported data (69 percent) calibrated to 2001 and 2003 levels. Survey results of 83 percent with sample size 0 ignored; sample size less than 300.
- 2003: Estimate based on survey results. Reported data (72 percent) not consistent with survey results (87 percent). Survey results (81 percent) adjusted for recall bias to 87 percent based on first dose card or history coverage (93 percent) and documented drop-out between first (49 percent) and third (46 percent) doses.
- 2004: Estimate based on survey results. Reported data (75 percent) not consistent with survey results (99 percent). Survey results (88 percent) adjusted for recall bias to 99 percent based on first dose card or history coverage (96 percent) and documented drop-out between first (88 percent) and third (100 percent) doses. 2004 reported data (96 percent) inconsistent with data from other years.
- 2005: Estimate based on survey results. Reported data (78 percent) not consistent with survey results (93 percent). Survey results (90 percent) adjusted for recall bias to 93 percent based on first dose card or history coverage (97 percent) and documented drop-out between first (65 percent) and third (62 percent) doses.
- 2006: Estimate based on survey results. Reported data (78 percent) not consistent with survey results (94 percent). Survey results (91 percent) adjusted for recall bias to 94 percent based on first dose card or history coverage (97 percent) and documented drop-out between first (58 percent) and third (56 percent) doses. 2006 reported data (84 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2007: Estimate based on survey results. Reported data (78 percent) not consistent with survey results (94 percent). Survey results (95 percent) adjusted for recall bias to 94 percent based on first dose card or history coverage (98

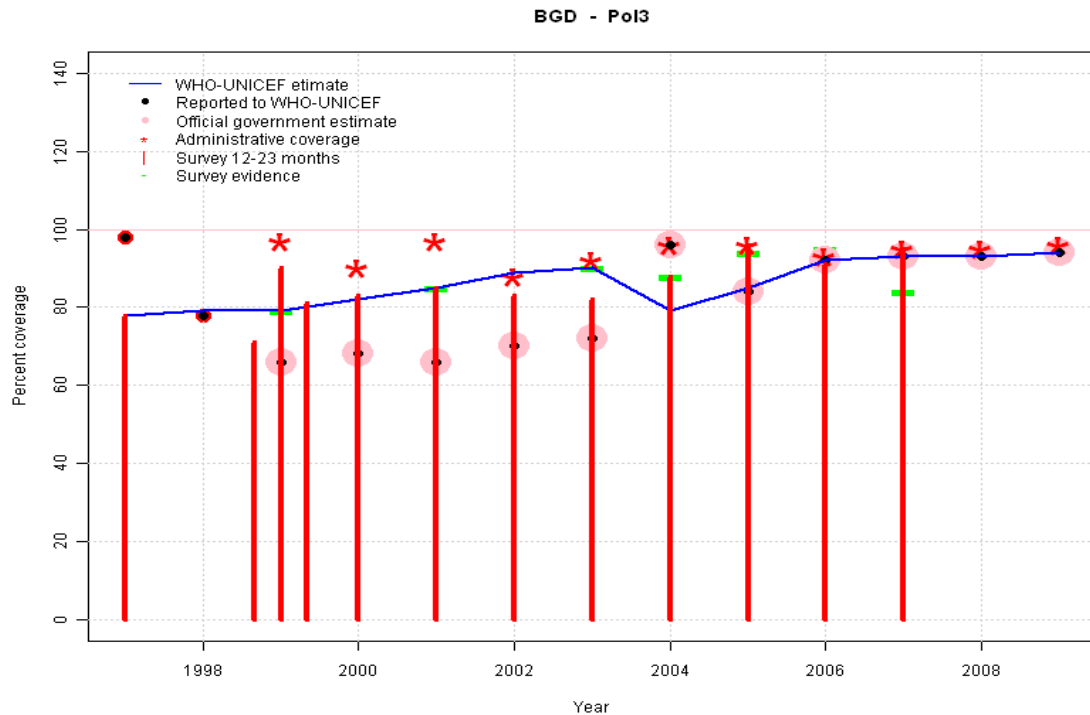
Bangladesh - DTP3

percent) and documented drop-out between first (66 percent) and third (63 percent) doses. 2007 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.

2008: Estimate extrapolated from 2007 level (94 percent). 2008 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.

2009: Estimate extrapolated from 2007 level (94 percent). 2009 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.

Bangladesh - Pol3

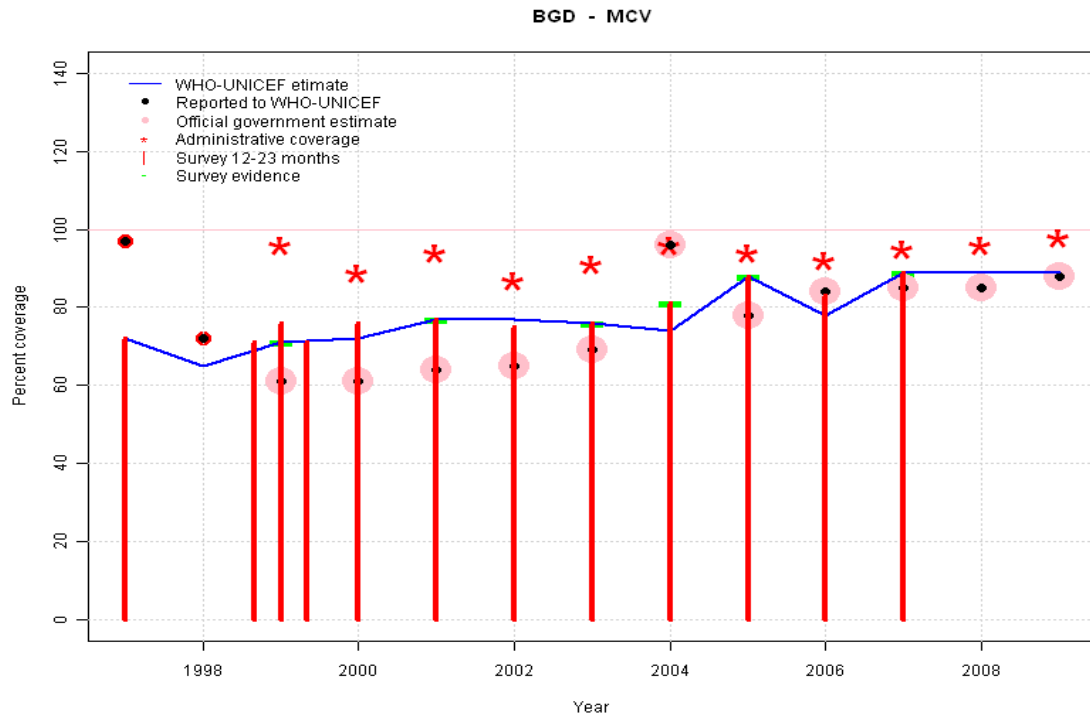


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	78	79	79	82	85	89	90	79	85	92	93	93	94
Reported	98	78	66	68	66	70	72	96	84	92	93	93	94
Official	NA	NA	66	68	66	70	72	96	84	92	93	93	94
Administrative	NA	NA	97	90	97	88	92	96	96	93	95	95	96
Survey	NA	NA	79	NA	85	NA	90	88	94	95	84	NA	NA

Description:

- 1997: Legacy estimate. Survey results of 78 percent with sample size 0 ignored; sample size less than 300.
- 1998: Estimate interpolated between 1997 and 1999 estimates.
- 1999: Estimate based on survey results. Reported data (66 percent) not consistent with survey results (79 percent). Survey results of 90 percent with sample size 0 ignored; sample size less than 300. Survey results (71 percent) adjusted for recall bias to 79 percent based on first dose card or history coverage (89 percent) and documented drop-out between first (43 percent) and third (38 percent) doses.
- 2000: Estimate interpolated between 1999 and 2001 estimates. Survey results of 83 percent with sample size 0 ignored; sample size less than 300.
- 2001: Estimate based on survey results. Reported data (66 percent) not consistent with survey results (85 percent).
- 2002: Reported data (70 percent) calibrated to 2001 and 2003 levels. Survey results of 83 percent with sample size 0 ignored; sample size less than 300.
- 2003: Estimate based on survey results. Reported data (72 percent) not consistent with survey results (90 percent). Survey results (82 percent) adjusted for recall bias to 90 percent based on first dose card or history coverage (96 percent) and documented drop-out between first (49 percent) and third (46 percent) doses.
- 2004: Estimate based on interpolated value between reported data. Survey (88 percent) confirms trend in reported data. 2004 reported data (96 percent) inconsistent with data from other years.
- 2005: Estimate based on interpolated value between reported data. Survey (94 percent) confirms trend in reported data. Survey results (96 percent) adjusted for recall bias to 94 percent based on first dose card or history coverage (99 percent) and documented drop-out between first (65 percent) and third (62 percent) doses. 2005 reported data (84 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2006: Estimate based on reported data (92 percent) confirmed by survey (95 percent). Survey results (91 percent) adjusted for recall bias to 95 percent based on first dose card or history coverage (98 percent) and documented drop-out between first (58 percent) and third (56 percent) doses.
- 2007: Estimate based on reported data (93 percent) confirmed by survey (84 percent). Survey results (95 percent) adjusted for recall bias to 84 percent based on first dose card or history coverage (97 percent) and documented drop-out between first (65 percent) and third (56 percent) doses.
- 2008: Estimate based on reported data.
- 2009: Estimate based on reported data.

Bangladesh - MCV

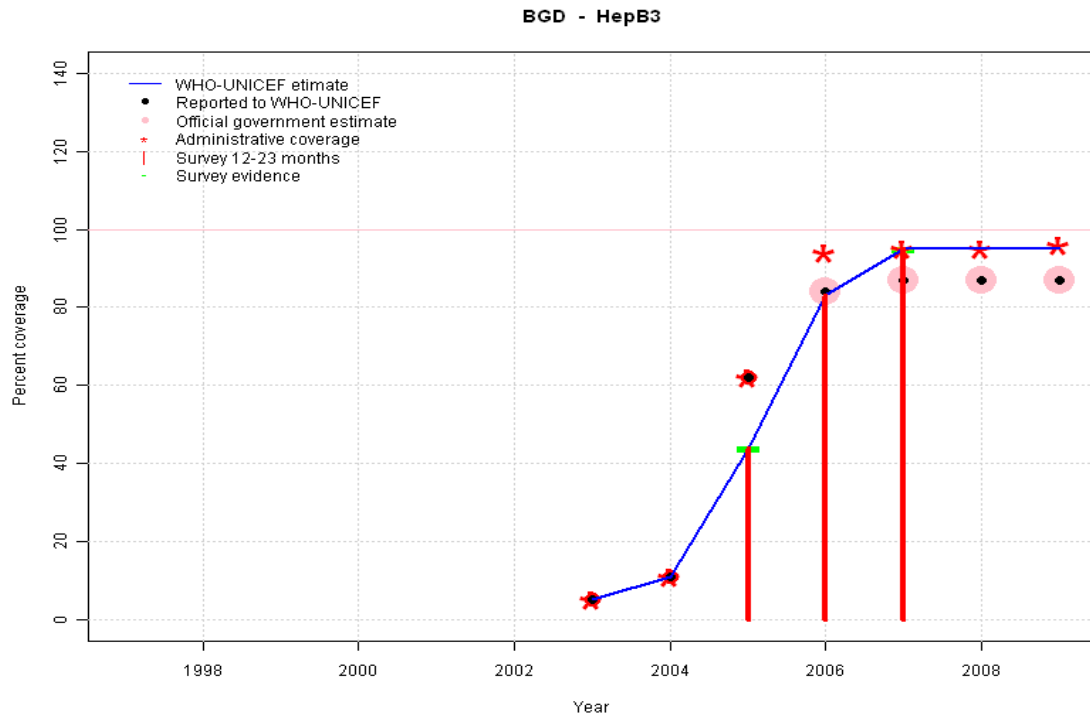


	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	72	65	71	72	77	77	76	74	88	78	89	89	89
Reported	97	72	61	61	64	65	69	96	78	84	85	85	88
Official	NA	NA	61	61	64	65	69	96	78	84	85	85	88
Administrative	NA	NA	96	89	94	87	91	96	94	92	95	96	98
Survey	NA	NA	71	NA	77	NA	76	81	88	83	89	NA	NA

Description:

- 1997: Legacy estimate. Survey results of 72 percent with sample size 0 ignored; sample size less than 300.
- 1998: Reported data (72 percent) calibrated to 1997 and 1999 levels.
- 1999: Estimate is based on survey results. Survey results of 76 percent with sample size 0 ignored; sample size less than 300. Survey results of 71 percent with sample size 0 ignored; sample size less than 300.
- 2000: Reported data (61 percent) calibrated to 1999 and 2001 levels. Survey results of 76 percent with sample size 0 ignored; sample size less than 300.
- 2001: Estimate based on survey results. Reported data (64 percent) not consistent with survey results (77 percent).
- 2002: Estimate interpolated between 2001 and 2003 estimates. Survey results of 75 percent with sample size 0 ignored; sample size less than 300.
- 2003: Estimate is based on survey results.
- 2004: Estimate based on interpolated value between reported data. Survey (81 percent) confirms trend in reported data. 2004 reported data (96 percent) inconsistent with data from other years.
- 2005: Estimate is based on survey results.
- 2006: Estimate based on interpolated value between reported data. Survey (83 percent) confirms trend in reported data. 2006 reported data (84 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2007: Estimate based on survey results. Reported data (78 percent) not consistent with survey results (89 percent). 2007 reported data (85 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2008: Estimate extrapolated from 2007 level (89 percent). 2008 reported data (85 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2009: Estimate extrapolated from 2007 level (89 percent). 2009 reported data (88 percent) ignored by working group. Nationally reported data includes only valid doses administered.

Bangladesh - HepB3

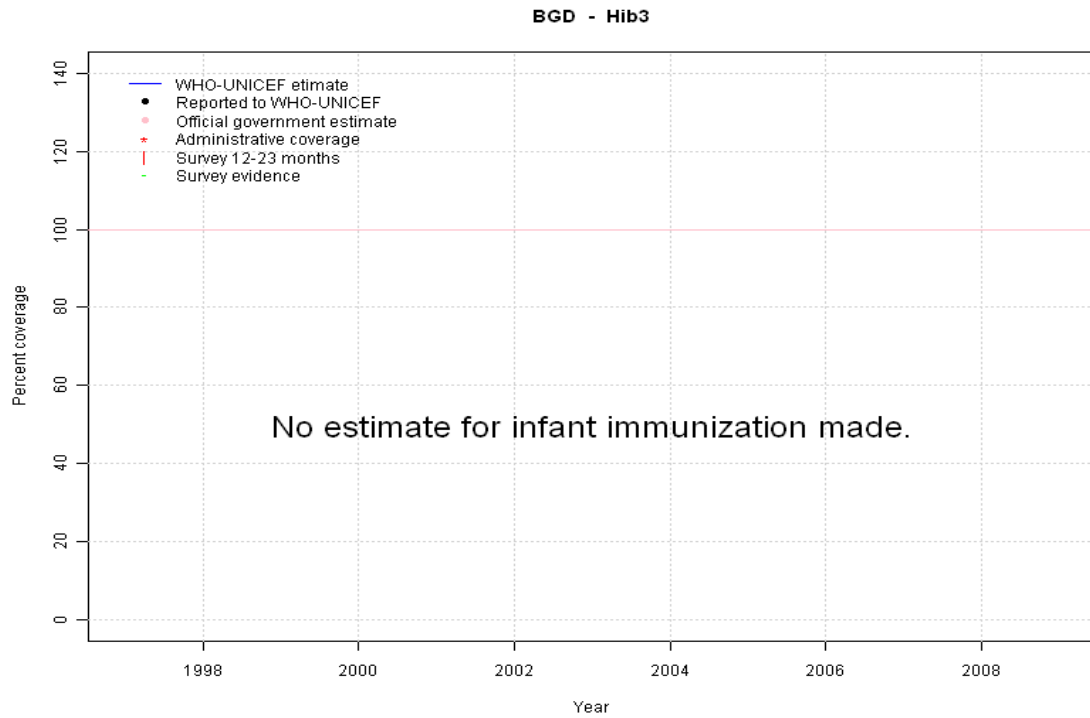


Description:

- 2003: Estimate assigned by working group. Estimate is based on reported data. HepB partially introduced in 2003 nationally in 2005 reporting started in 2003.
- 2004: Estimate assigned by working group. Estimate is based on reported data.
- 2005: Estimate is based on survey results.
- 2006: Estimate based on survey results. Reported data (62 percent) not consistent with survey results (83 percent). 2006 reported data (84 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2007: Estimate based on survey results. Reported data (62 percent) not consistent with survey results (95 percent). 2007 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2008: Estimate extrapolated from 2007 level (95 percent). 2008 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.
- 2009: Estimate extrapolated from 2007 level (95 percent). 2009 reported data (87 percent) ignored by working group. Nationally reported data includes only valid doses administered.

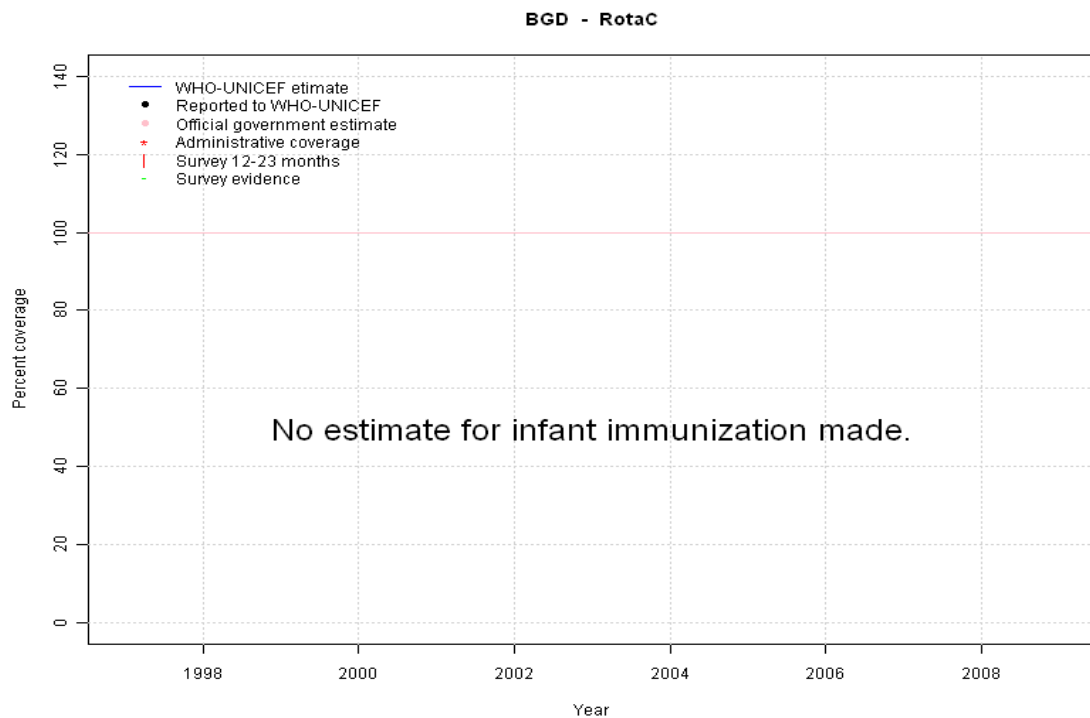
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	5	11	44	83	95	95	95
Reported	NA	NA	NA	NA	NA	NA	5	11	62	84	87	87	87
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	84	87	87	87
Administrative	NA	NA	NA	NA	NA	NA	5	11	62	94	95	95	96
Survey	NA	NA	NA	NA	NA	NA	NA	NA	44	83	95	NA	NA

Bangladesh - Hib3



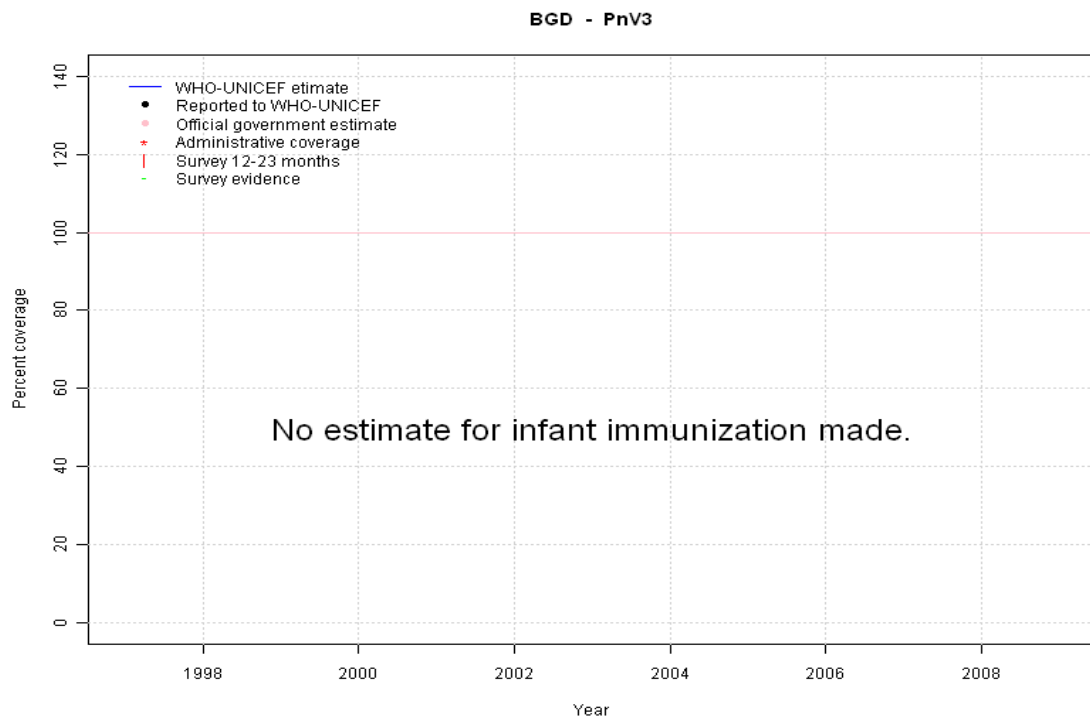
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Reported	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA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

Bangladesh - 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

Bangladesh - 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

Bangladesh - survey details

2007 Bangladesh EPI Coverage Evaluation Survey 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	65	12-23 m	5670	68
BCG	Card or History	98	12-23 m	5670	68
BCG	History	33	12-23 m	5670	68
DTP1	History	33	12-23 m	5670	68
DTP1	Card	66	12-23 m	5670	68
DTP1	Card or History	98	12-23 m	5670	68
DTP3	Card or History	95	12-23 m	5670	68
DTP3	History	32	12-23 m	5670	68
DTP3	Card	63	12-23 m	5670	68
HepB1	History	33	12-23 m	5670	68
HepB1	Card or History	98	12-23 m	5670	68
HepB1	Card	65	12-23 m	5670	68
HepB3	History	32	12-23 m	5670	68
HepB3	Card or History	95	12-23 m	5670	68
HepB3	Card	63	12-23 m	5670	68
MCV	Card or History	89	12-23 m	5670	68
MCV	History	32	12-23 m	5670	68
MCV	Card	57	12-23 m	5670	68
Pol1	Card or History	97	12-23 m	5670	68
Pol1	History	33	12-23 m	5670	68
Pol1	Card	65	12-23 m	5670	68
Pol3	Card or History	95	12-23 m	5670	68
Pol3	History	33	12-23 m	5670	68
Pol3	Card	56	12-23 m	5670	68

2006 Bangladesh Demographic and Health Survey 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	97	12-23 m	1146	58
BCG	Card	58	12-23 m	1146	58
BCG	Card or History	97	12-23 m	1146	58
BCG	History	39	12-23 m	1146	58
DTP1	C or H <12 months	97	12-23 m	1146	58
DTP1	Card	58	12-23 m	1146	58
DTP1	Card or History	97	12-23 m	1146	58

DTP1	History	39	12-23 m	1146	58
DTP3	Card or History	91	12-23 m	1146	58
DTP3	History	35	12-23 m	1146	58
DTP3	C or H <12 months	90	12-23 m	1146	58
DTP3	Card	56	12-23 m	1146	58
HepB1	History	33	12-23 m	1146	58
HepB1	Card or History	89	12-23 m	1146	58
HepB1	Card	56	12-23 m	1146	58
HepB1	C or H <12 months	89	12-23 m	1146	58
HepB3	History	29	12-23 m	1146	58
HepB3	Card or History	83	12-23 m	1146	58
HepB3	Card	54	12-23 m	1146	58
HepB3	C or H <12 months	81	12-23 m	1146	58
MCV	Card	52	12-23 m	1146	58
MCV	C or H <12 months	77	12-23 m	1146	58
MCV	Card or History	83	12-23 m	1146	58
MCV	History	31	12-23 m	1146	58
Pol1	C or H <12 months	98	12-23 m	1146	58
Pol1	Card	58	12-23 m	1146	58
Pol1	Card or History	98	12-23 m	1146	58
Pol1	History	40	12-23 m	1146	58
Pol3	C or H <12 months	90	12-23 m	1146	58
Pol3	Card	56	12-23 m	1146	58
Pol3	Card or History	91	12-23 m	1146	58
Pol3	History	35	12-23 m	1146	58

2005 Bangladesh Multiple Indicator Cluster Survey 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	History	32	12-23 m	6032	66
BCG	Card or History	97	12-23 m	6032	66
BCG	Card	65	12-23 m	6032	66
BCG	C or H <12 months	97	12-23 m	6032	66
DTP1	History	31	12-23 m	6032	66
DTP1	Card	65	12-23 m	6032	66
DTP1	Card or History	97	12-23 m	6032	66
DTP1	C or H <12 months	96	12-23 m	6032	66
DTP3	C or H <12 months	90	12-23 m	6032	66
DTP3	Card	62	12-23 m	6032	66

Bangladesh - survey details

DTP3	Card or History	90	12-23 m	6032	66
DTP3	History	28	12-23 m	6032	66
HepB1	C or H <12 months	48	12-23 m	6032	66
HepB1	Card	46	12-23 m	6032	66
HepB1	Card or History	49	12-23 m	6032	66
HepB1	History	3	12-23 m	6032	66
HepB3	History	2	12-23 m	6032	66
HepB3	C or H <12 months	43	12-23 m	6032	66
HepB3	Card or History	44	12-23 m	6032	66
HepB3	Card	42	12-23 m	6032	66
MCV	C or H <12 months	85	12-23 m	6032	66
MCV	Card	54	12-23 m	6032	66
MCV	Card or History	88	12-23 m	6032	66
MCV	History	33	12-23 m	6032	66
Pol1	Card or History	99	12-23 m	6032	66
Pol1	Card	65	12-23 m	6032	66
Pol1	History	34	12-23 m	6032	66
Pol1	C or H <12 months	99	12-23 m	6032	66
Pol3	C or H <12 months	95	12-23 m	6032	66
Pol3	Card	62	12-23 m	6032	66
Pol3	Card or History	96	12-23 m	6032	66
Pol3	History	34	12-23 m	6032	66

2004 Bangladesh EPI Coverage Evaluation Survey 2005

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	96	12-23 m	15120	65
BCG	Card	100	12-23 m	15120	65
DTP1	Card or History	96	12-23 m	15120	65
DTP1	Card	88	12-23 m	15120	65
DTP3	Card or History	88	12-23 m	15120	65
DTP3	Card	100	12-23 m	15120	65
MCV	Card	88	12-23 m	15120	65
MCV	Card or History	81	12-23 m	15120	65
Pol3	Card	98	12-23 m	15120	65
Pol3	Card or History	88	12-23 m	15120	65

2003 Bangladesh Demographic and Health Survey 2004

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93	12-23 m	1265	49
BCG	History	44	12-23 m	1265	49
BCG	Card	49	12-23 m	1265	49
BCG	Card or history	93	12-23 m	1265	49
DTP1	C or H <12 months	93	12-23 m	1265	49
DTP1	Card	49	12-23 m	1265	49
DTP1	Card or history	93	12-23 m	1265	49
DTP1	History	44	12-23 m	1265	49
DTP3	Card or history	81	12-23 m	1265	49
DTP3	History	35	12-23 m	1265	49
DTP3	C or H <12 months	80	12-23 m	1265	49
DTP3	Card	46	12-23 m	1265	49
MCV	Card	42	12-23 m	1265	49
MCV	Card or history	76	12-23 m	1265	49
MCV	History	34	12-23 m	1265	49
MCV	C or H <12 months	70	12-23 m	1265	49
Pol1	C or H <12 months	96	12-23 m	1265	49
Pol1	Card	49	12-23 m	1265	49
Pol1	Card or history	96	12-23 m	1265	49
Pol1	History	47	12-23 m	1265	49
Pol3	C or H <12 months	82	12-23 m	1265	49
Pol3	History	36	12-23 m	1265	49
Pol3	Card	46	12-23 m	1265	49
Pol3	Card or history	82	12-23 m	1265	49

2002 Bangladesh EPI Coverage Evaluation Survey 2003

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	95	12-23 m	0	0
DTP1	Card or History	95	12-23 m	0	0
DTP3	Card or History	83	12-23 m	0	0
MCV	Card or History	75	12-23 m	0	0
Pol1	Card or History	94	12-23 m	0	0
Pol3	Card or History	83	12-23 m	0	0

2001 Bangladesh EPI Coverage Evaluation Survey 2002

Bangladesh - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	95	12-23 m	15750	55
DTP1	Card or History	94	12-23 m	15750	55
DTP3	Card or History	85	12-23 m	15750	55
MCV	Card or History	77	12-23 m	15750	55
Pol1	Card or History	94	12-23 m	15750	55
Pol3	Card or History	85	12-23 m	15750	55

2000 National Coverage Evaluation Survey Bangladesh 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	94	12-23 m	0	52
DTP1	Card or History	93	12-23 m	0	52
DTP3	Card or History	83	12-23 m	0	52
MCV	Card or History	76	12-23 m	0	52
Pol1	Card or History	92	12-23 m	0	52
Pol3	Card or History	83	12-23 m	0	52

1999 Bangladesh Demographic and Health Survey 1999-2000, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	History	48	12-23 m	1316	44
BCG	Card or History	91	12-23 m	1316	44
BCG	Card	43	12-23 m	1316	44
BCG	C or H <12 months	90	12-23 m	1316	44
DTP1	Card	44	12-23 m	1316	44
DTP1	C or H <12 months	88	12-23 m	1316	44
DTP1	History	45	12-23 m	1316	44
DTP1	Card or History	89	12-23 m	1316	44
DTP3	C or H <12 months	70	12-23 m	1316	44
DTP3	Card	38	12-23 m	1316	44
DTP3	Card or History	72	12-23 m	1316	44
DTP3	History	34	12-23 m	1316	44
MCV	Card or History	71	12-23 m	1316	44
MCV	C or H <12 months	62	12-23 m	1316	44

MCV	History	36	12-23 m	1316	44
MCV	Card	34	12-23 m	1316	44
Pol1	History	46	12-23 m	1316	44
Pol1	Card or History	89	12-23 m	1316	44
Pol1	Card	43	12-23 m	1316	44
Pol1	C or H <12 months	89	12-23 m	1316	44
Pol3	History	33	12-23 m	1316	44
Pol3	C or H <12 months	69	12-23 m	1316	44
Pol3	Card	38	12-23 m	1316	44
Pol3	Card or History	71	12-23 m	1316	44

1999 Bangladesh, Multiple Indicator Cluster Survey 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	92	12-23 m	0	0
DTP1	Card or History	91	12-23 m	0	0
DTP3	Card or History	74	12-23 m	0	0
MCV	Card or History	76	12-23 m	0	0
Pol1	Card or History	97	12-23 m	0	0
Pol3	Card or History	90	12-23 m	0	0

1999 National Coverage Evaluation Survey Bangladesh 2000

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	96	12-23 m	0	52
DTP1	Card or History	95	12-23 m	0	52
DTP3	Card or History	81	12-23 m	0	52
MCV	Card or History	71	12-23 m	0	52
Pol1	Card or History	95	12-23 m	0	52
Pol3	Card or History	81	12-23 m	0	52

1997 National Coverage Evaluation Survey Bangladesh 1998

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	91	12-23 m	0	54
BCG	Card	100	12-23 m	0	54
BCG	Card <12 months	99	12-23 m	0	54

Bangladesh - survey details

BCG	Card or History	92	12-23 m	0	54
DTP3	Card or History	78	12-23 m	0	54
DTP3	C or H <12 months	68	12-23 m	0	54
DTP3	Card	91	12-23 m	0	54
DTP3	Card <12 months	77	12-23 m	0	54
MCV	Card	84	12-23 m	0	54
MCV	Card <12 months	74	12-23 m	0	54

MCV	Card or History	72	12-23 m	0	54
MCV	C or H <12 months	62	12-23 m	0	54
Pol3	C or H <12 months	68	12-23 m	0	54
Pol3	Card	91	12-23 m	0	54
Pol3	Card <12 months	77	12-23 m	0	54
Pol3	Card or History	78	12-23 m	0	54

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

Bangladesh

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	90
1998	86
1999	87
2000	89
2001	89
2002	89
2003	89
2004	89
2005	89
2006	92
2007	91
2008	91
2009	93

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.