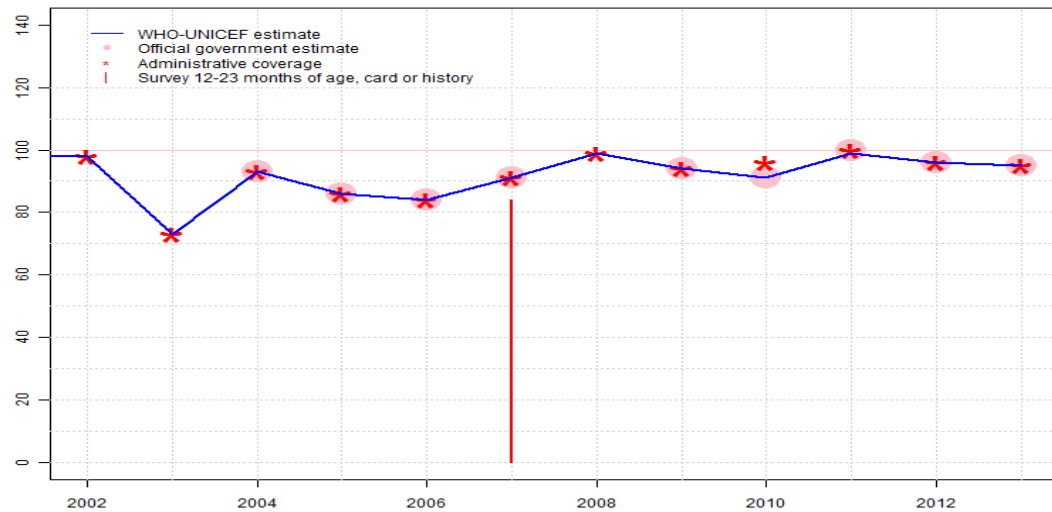


Samoa - BCG

WSM - BCG



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	98	73	93	86	84	91	99	94	91	99	96	95
Estimate GoC	•	•	•	•••	•••	•••	••	•••	••	••	•	•
Official	NA	NA	93	86	84	91	NA	94	91	100	96	95
Administrative	98	73	93	86	84	91	99	94	96	100	96	95
Survey	NA	NA	NA	NA	NA	84	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

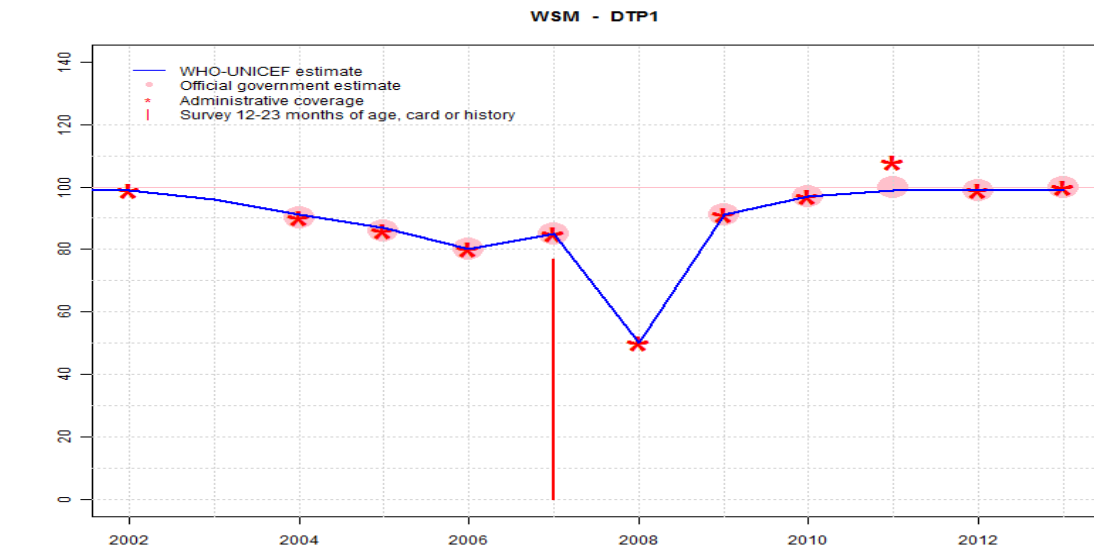
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on reported administrative data. Decline the result of two months vaccine stock out. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 84 percent based on 1 survey(s). Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - DTP1



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	99	96	91	87	80	85	50	91	97	99	99	99
Estimate GoC	••	•	••	••	••	•••	••	••	••	•	••	•
Official	NA	NA	90	86	80	85	NA	91	97	100	99	100
Administrative	99	NA	90	86	80	85	50	91	97	108	99	100
Survey	NA	NA	NA	NA	NA	77	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

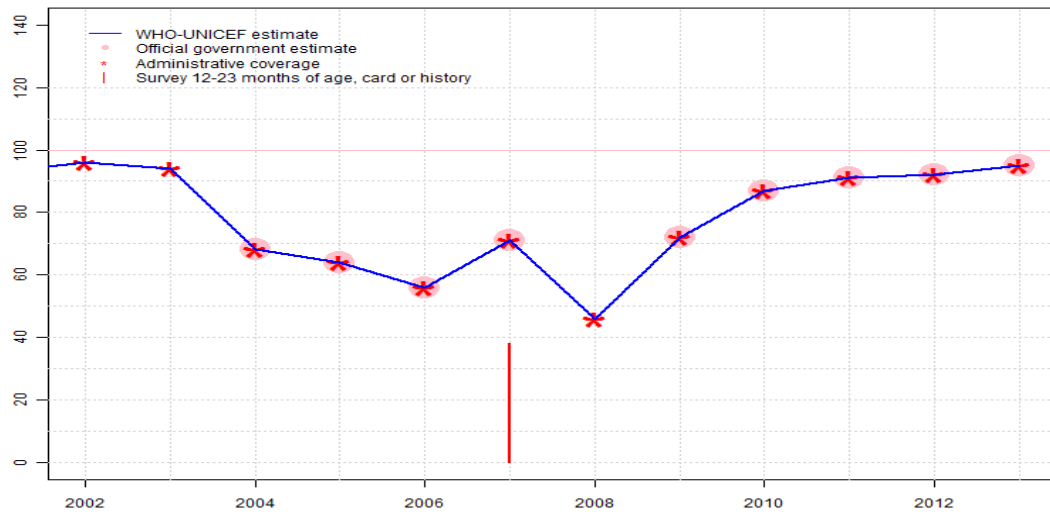
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Reported data calibrated to 1997 and 2007 levels. Fluctuation in reported data is attributed to small birth cohort. GoC=D+
- 2003: Reported data calibrated to 1997 and 2007 levels. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Reported data calibrated to 1997 and 2007 levels. Fluctuation in reported data is attributed to small birth cohort. GoC=D+
- 2005: Reported data calibrated to 1997 and 2007 levels. Fluctuation in reported data is attributed to small birth cohort. GoC=S+ D+
- 2006: Reported data calibrated to 1997 and 2007 levels. Fluctuation in reported data is attributed to small birth cohort. GoC=S+ D+
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 77 percent based on 1 survey(s). Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - DTP3

WSM - DTP3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	96	94	68	64	56	71	46	72	87	91	92	95
Estimate GoC	•	•	••	•	•	•	•	•	••	••	••	•
Official	NA	NA	68	64	56	71	NA	72	87	91	92	95
Administrative	96	94	68	64	56	71	46	72	87	91	92	95
Survey	NA	NA	NA	NA	NA	38	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

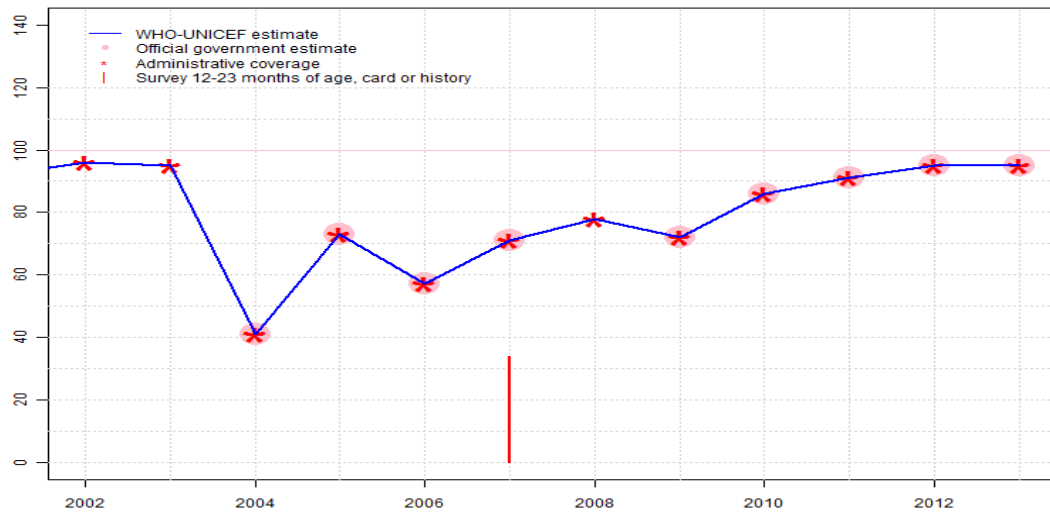
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2007: Estimate based on coverage reported by national government. Samoa Demographic and Health Survey 2009 results ignored by working group. Survey results inconsistent across antigens.Samoa Demographic and Health Survey 2009 card or history results of 38 percent modified for recall bias to 57 percent based on 1st dose card or history coverage of 77 percent, 1st dose card only coverage of 38 percent and 3d dose card only coverage of 28 percent. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - Pol3

WSM - Pol3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	96	95	41	73	57	71	78	72	86	91	95	95
Estimate GoC	•	•	••	•	•	•	•	•	••	••	••	•
Official	NA	NA	41	73	57	71	NA	72	86	91	95	95
Administrative	96	95	41	73	57	71	78	72	86	91	95	95
Survey	NA	NA	NA	NA	NA	34	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

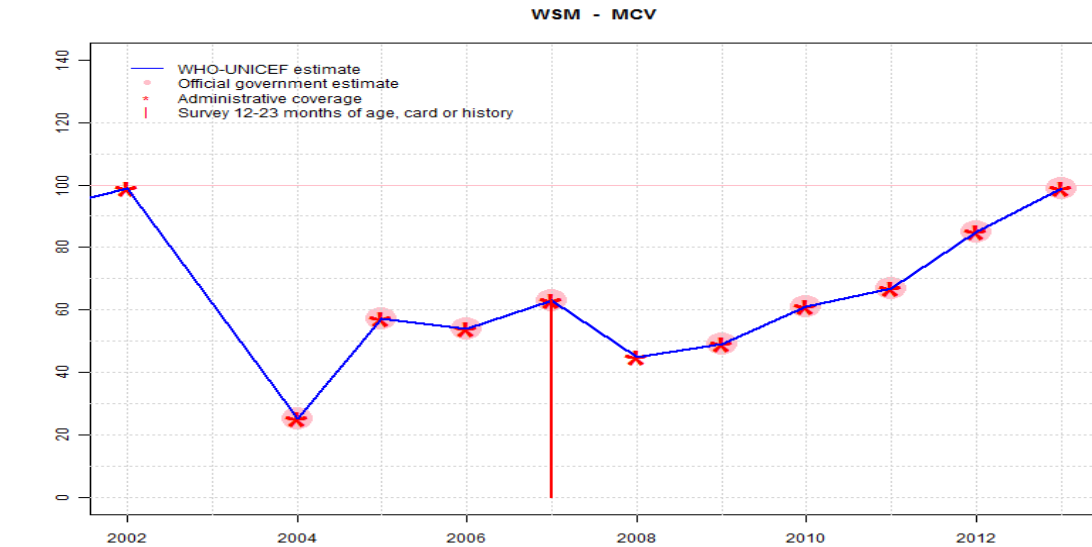
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Decline the result of two months vaccine stock out. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2007: Estimate based on coverage reported by national government. Samoa Demographic and Health Survey 2009 results ignored by working group. Survey results inconsistent across antigens. Samoa Demographic and Health Survey 2009 card or history results of 34 percent modified for recall bias to 53 percent based on 1st dose card or history coverage of 74 percent, 1st dose card only coverage of 35 percent and 3d dose card only coverage of 25 percent. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - MCV



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	99	62	25	57	54	63	45	49	61	67	85	99
Estimate GoC	•	•	••	•••	•••	•••	••	••	••	••	••	•
Official	NA	NA	25	57	54	63	NA	49	61	67	85	99
Administrative	99	NA	25	57	54	63	45	49	61	67	85	99
Survey	NA	NA	NA	NA	NA	63	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

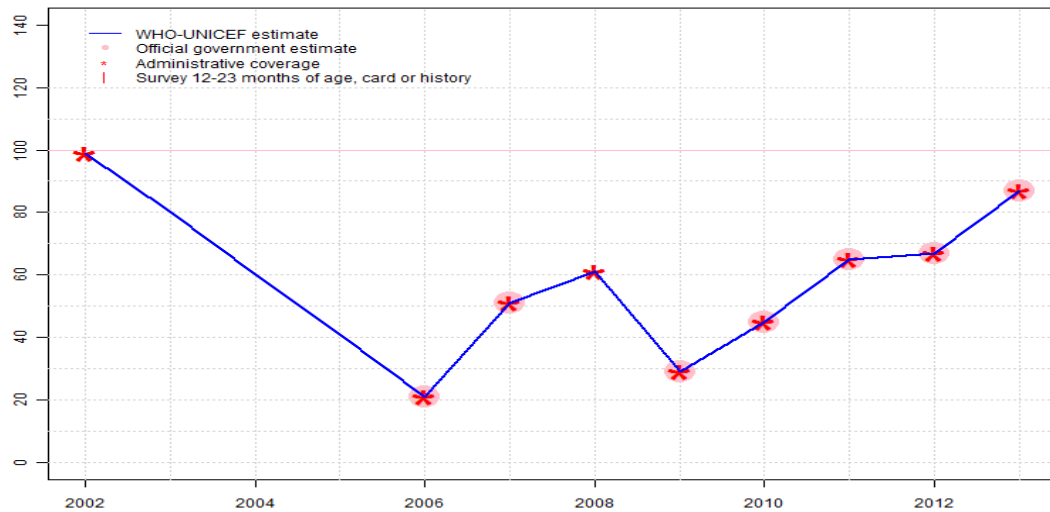
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on interpolation between coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=No accepted empirical data
- 2004: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government supported by survey. Survey evidence of 63 percent based on 1 survey(s). Fluctuation in reported data is attributed to small birth cohort. GoC=R+ S+ D+
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - MCV2

WSM - MCV2



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	99	80	60	41	21	51	61	29	45	65	67	87
Estimate GoC	●	●	●	●	●●	●●	●●	●●	●●	●●	●●	●
Official	NA	NA	NA	NA	21	51	NA	29	45	65	67	87
Administrative	99	NA	NA	NA	21	51	61	29	45	65	67	87
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

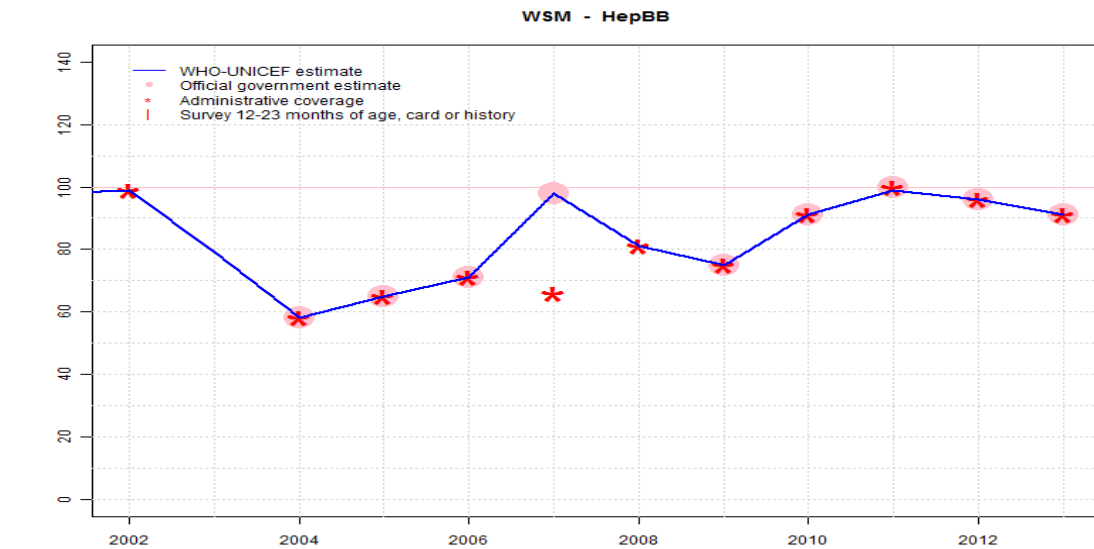
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source; [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

- 2002: Estimate based on reported administrative estimate. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on interpolation between reported values. Fluctuation in reported data is attributed to small birth cohort. GoC=No accepted empirical data
- 2004: Estimate based on interpolation between reported values. Fluctuation in reported data is attributed to small birth cohort. GoC=No accepted empirical data
- 2005: Estimate based on interpolation between reported values. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2008: Estimate based on reported administrative estimate. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	99	79	58	65	71	98	81	75	91	99	96	91
Estimate GoC	••	•	••	••	••	•	••	••	••	••	•	•
Official	NA	NA	58	65	71	98	NA	75	91	100	96	91
Administrative	99	NA	58	65	71	66	81	75	91	100	96	91
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

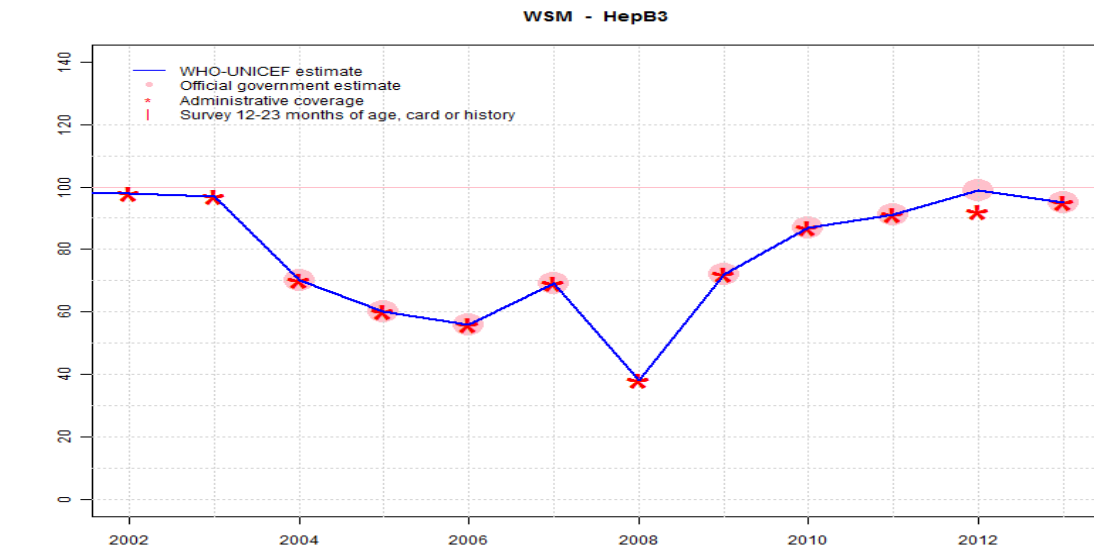
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative estimate. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2003: Estimate based on interpolation between reported values. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2008: Estimate based on reported administrative estimate. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - HepB3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	98	97	70	60	56	69	38	72	87	91	99	95
Estimate GoC	•	•	••	••	••	••	••	••	••	••	••	•
Official	NA	NA	70	60	56	69	NA	72	87	91	99	95
Administrative	98	97	70	60	56	69	38	72	87	91	92	95
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

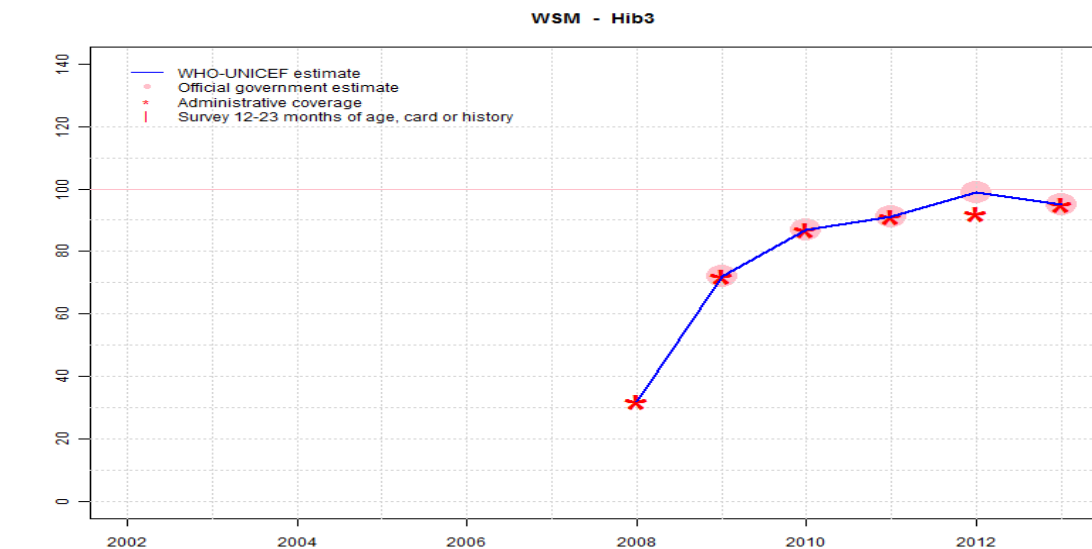
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2003: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2008: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - Hib3



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	32	72	87	91	99	95
Estimate GoC	NA	NA	NA	NA	NA	NA	••	••	••	••	••	•
Official	NA	NA	NA	NA	NA	NA	NA	72	87	91	99	95
Administrative	NA	NA	NA	NA	NA	NA	32	72	87	91	92	95
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

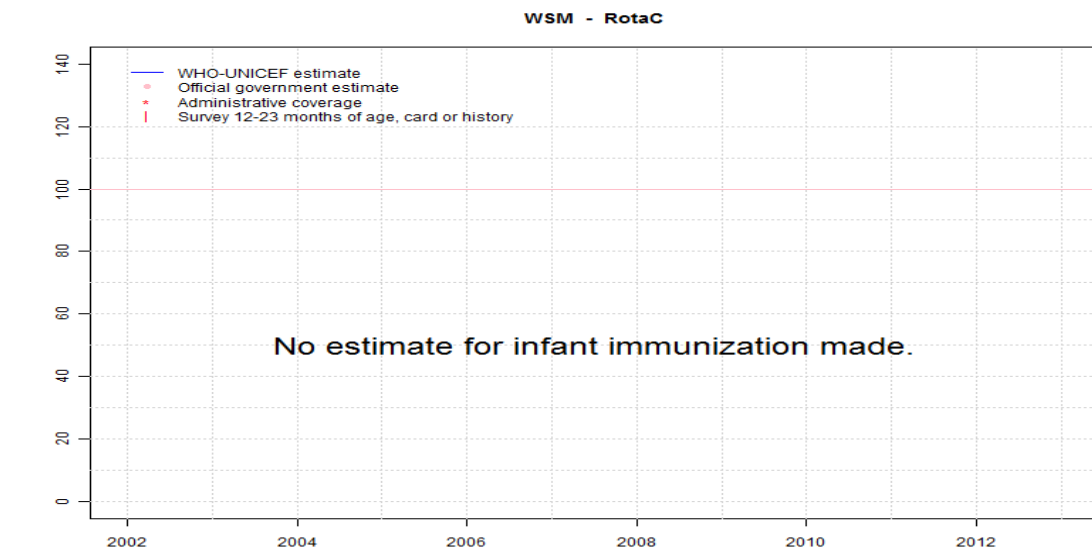
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2008: Estimate based on reported administrative estimate. Hib vaccine introduced in 2007. Reporting started in 2008. Vaccine presentation is DTP-HepB-Hib. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - RotaC

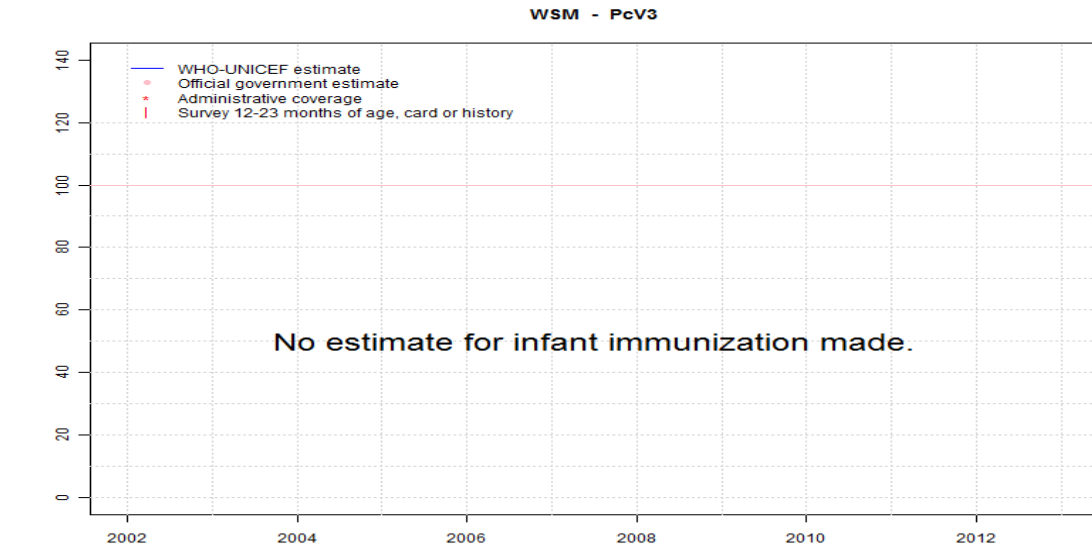


	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.



	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	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
Administrative	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

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Samoa - survey details

2007 Samoa Demographic and Health Survey 2009

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	84	18-29 m	321	40
BCG	Card	39	18-29 m	321	40
BCG	Card or History	84	18-29 m	321	40
BCG	History	45	18-29 m	321	40
DTP1	C or H <12 months	76	18-29 m	321	40
DTP1	Card	38	18-29 m	321	40
DTP1	Card or History	77	18-29 m	321	40
DTP1	History	39	18-29 m	321	40
DTP3	C or H <12 months	37	18-29 m	321	40
DTP3	Card	28	18-29 m	321	40
DTP3	Card or History	38	18-29 m	321	40

DTP3	History	9	18-29 m	321	40
MCV	C or H <12 months	56	18-29 m	321	40
MCV	Card	27	18-29 m	321	40
MCV	Card or History	63	18-29 m	321	40
MCV	History	36	18-29 m	321	40
Pol1	C or H <12 months	72	18-29 m	321	40
Pol1	Card	35	18-29 m	321	40
Pol1	Card or History	74	18-29 m	321	40
Pol1	History	39	18-29 m	321	40
Pol3	C or H <12 months	34	18-29 m	321	40
Pol3	Card	25	18-29 m	321	40
Pol3	Card or History	34	18-29 m	321	40
Pol3	History	9	18-29 m	321	40

Further information and estimates prior to 2002 are available at:

<http://www.data.unicef.org/child-health/immunization>

http://www.who.int/immunization/monitoring_surveillance/routine/coverage/en/index4.html