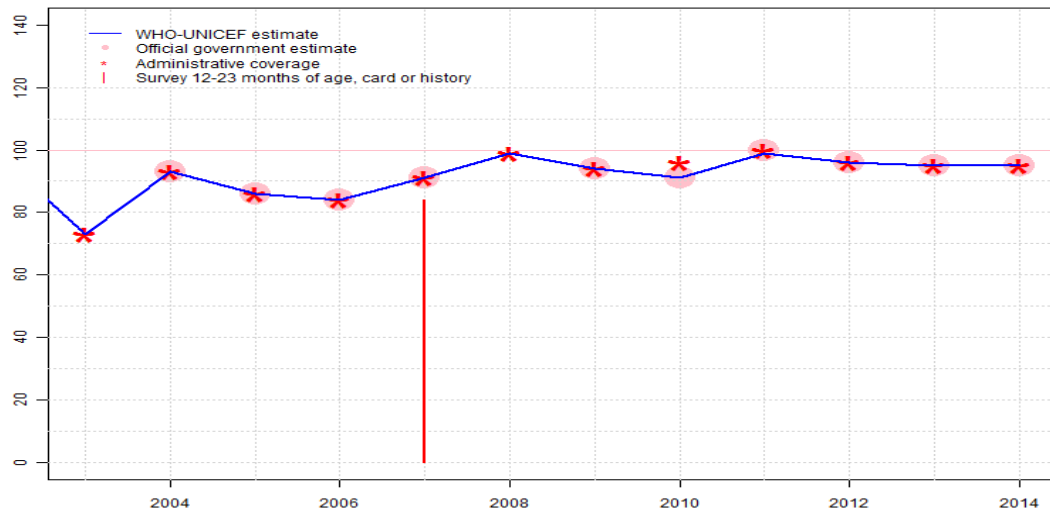


Samoa - BCG

WSM - BCG



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	73	93	86	84	91	99	94	91	99	96	95	95
Estimate GoC	•	•	•••	•••	•••	••	•••	••	••	•	•	•
Official	NA	93	86	84	91	NA	94	91	100	96	95	95
Administrative	73	93	86	84	91	99	94	96	100	96	95	95
Survey	NA	NA	NA	NA	84	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.

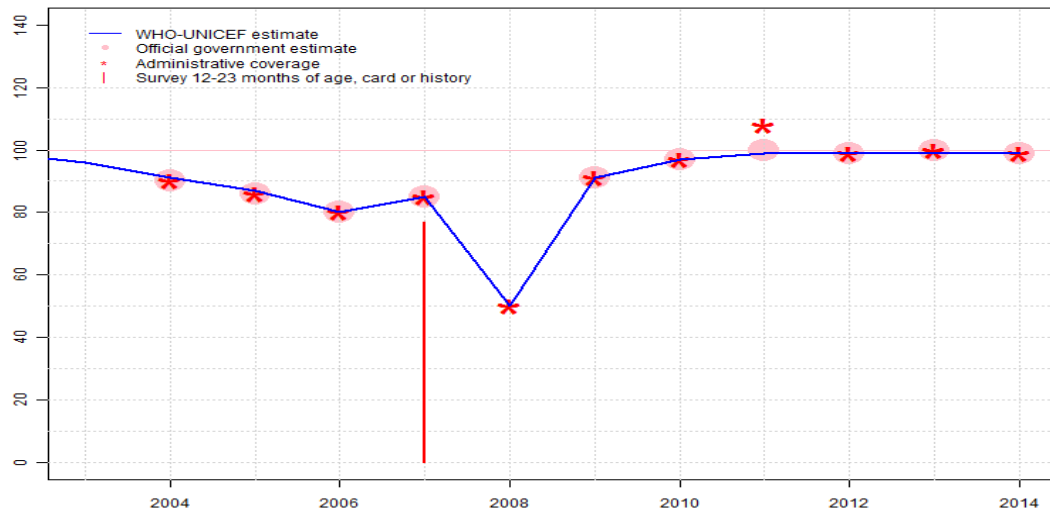
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - DTP1

WSM - DTP1



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	96	91	87	80	85	50	91	97	99	99	99	99
Estimate GoC	•	••	••	••	•••	••	••	••	•	••	•	•
Official	NA	90	86	80	85	NA	91	97	100	99	100	99
Administrative	NA	90	86	80	85	50	91	97	108	99	100	99
Survey	NA	NA	NA	NA	77	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.

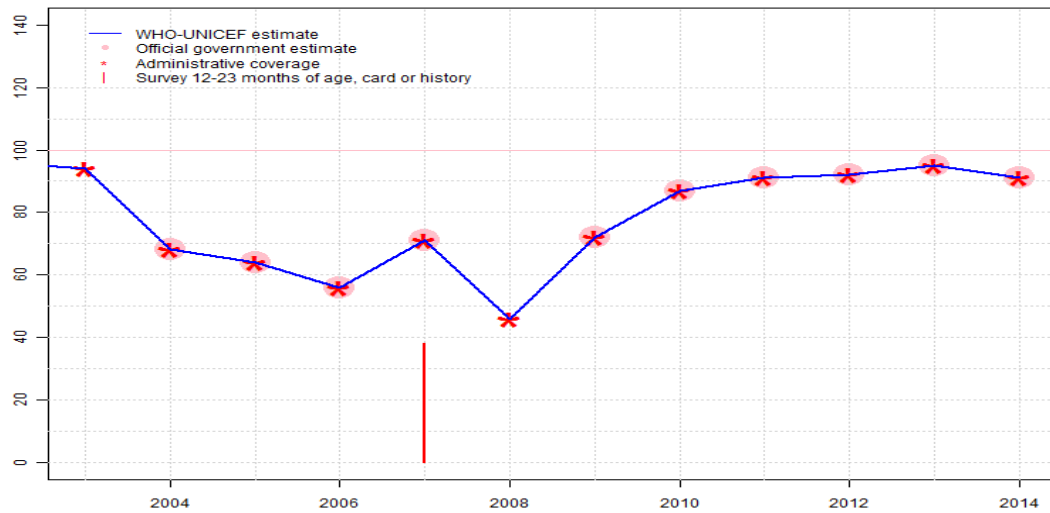
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

WSM - DTP3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	94	68	64	56	71	46	72	87	91	92	95	91
Estimate GoC	•	••	•	•	•	•	•	••	••	••	•	•
Official	NA	68	64	56	71	NA	72	87	91	92	95	91
Administrative	94	68	64	56	71	46	72	87	91	92	95	91
Survey	NA	NA	NA	NA	38	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.

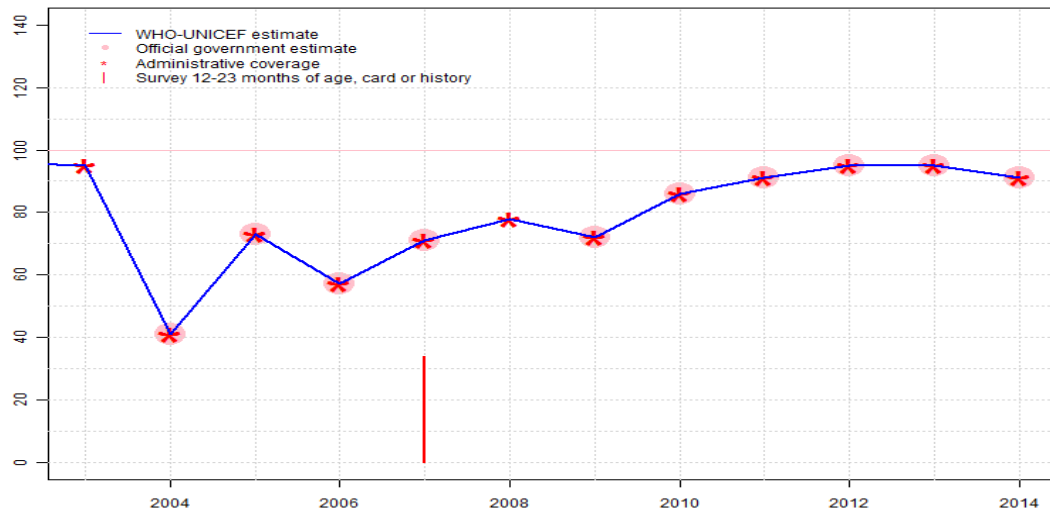
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: 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



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	95	41	73	57	71	78	72	86	91	95	95	91
Estimate GoC	•	••	•	•	•	•	•	••	••	••	•	•
Official	NA	41	73	57	71	NA	72	86	91	95	95	91
Administrative	95	41	73	57	71	78	72	86	91	95	95	91
Survey	NA	NA	NA	NA	34	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.

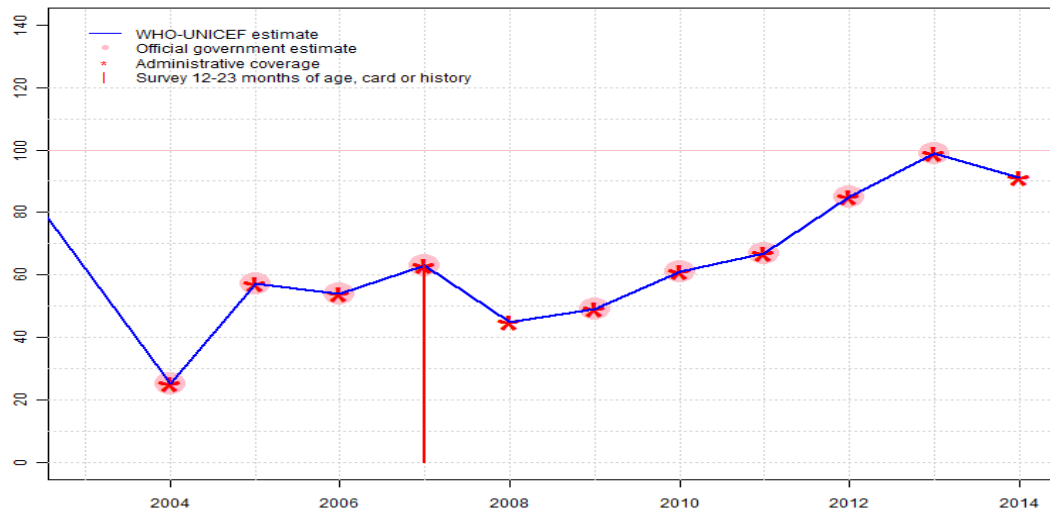
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - MCV1

WSM - MCV1



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	62	25	57	54	63	45	49	61	67	85	99	91
Estimate GoC	•	••	•••	•••	•••	••	••	••	••	••	•	•
Official	NA	25	57	54	63	NA	49	61	67	85	99	NA
Administrative	NA	25	57	54	63	45	49	61	67	85	99	91
Survey	NA	NA	NA	NA	63	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.

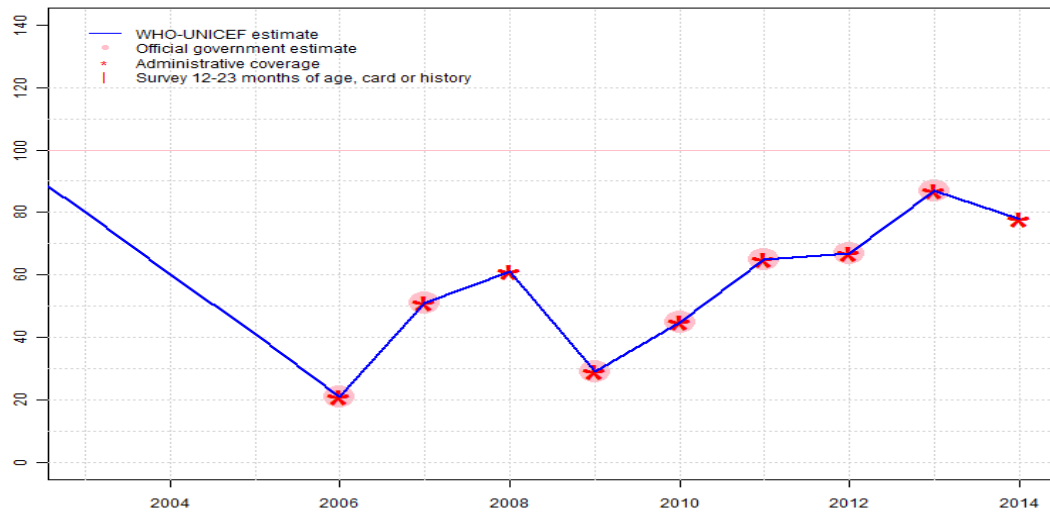
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: Estimate based on reported administrative data. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - MCV2

WSM - MCV2



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	80	60	41	21	51	61	29	45	65	67	87	78
Estimate GoC	•	•	•	••	••	••	••	••	••	••	•	•
Official	NA	NA	NA	21	51	NA	29	45	65	67	87	NA
Administrative	NA	NA	NA	21	51	61	29	45	65	67	87	78
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.

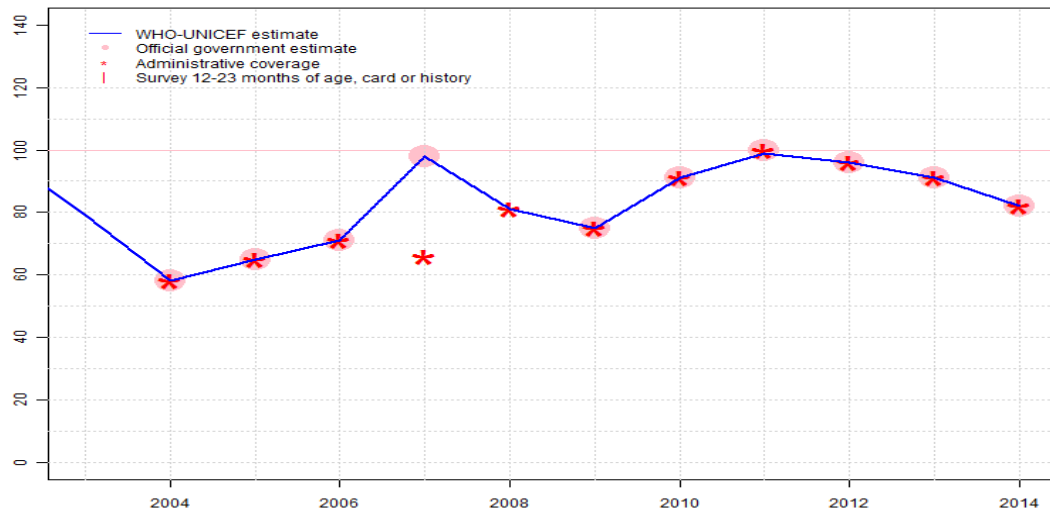
Description:

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

- 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-
- 2014: Estimate based on reported administrative estimate. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-

Samoa - HepBB

WSM - HepBB



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	79	58	65	71	98	81	75	91	99	96	91	82
Estimate GoC	•	••	••	••	•	••	••	••	••	•	•	••
Official	NA	58	65	71	98	NA	75	91	100	96	91	82
Administrative	NA	58	65	71	66	81	75	91	100	96	91	82
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.

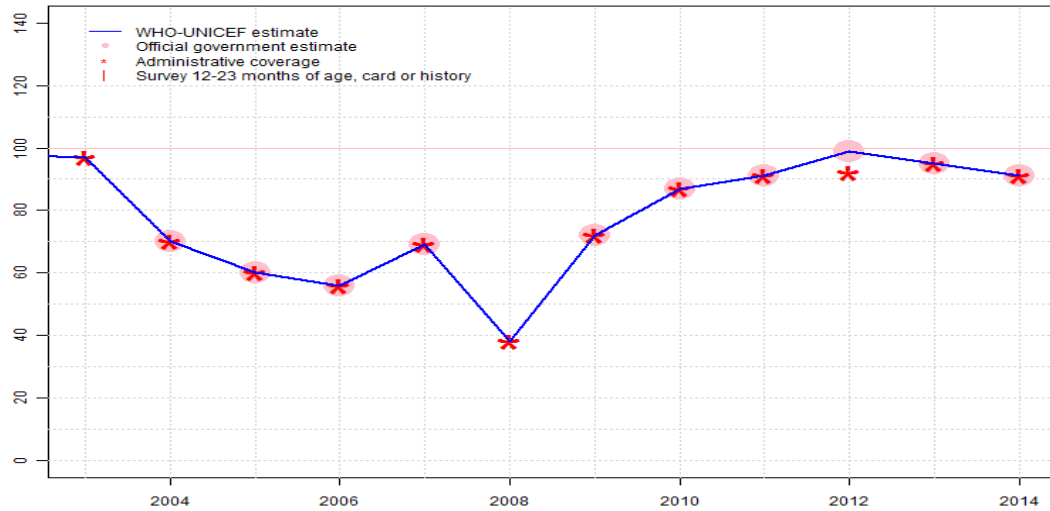
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+

Samoa - HepB3

WSM - HepB3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	97	70	60	56	69	38	72	87	91	99	95	91
Estimate GoC	•	••	••	••	••	••	••	••	••	••	•	••
Official	NA	70	60	56	69	NA	72	87	91	99	95	91
Administrative	97	70	60	56	69	38	72	87	91	92	95	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.

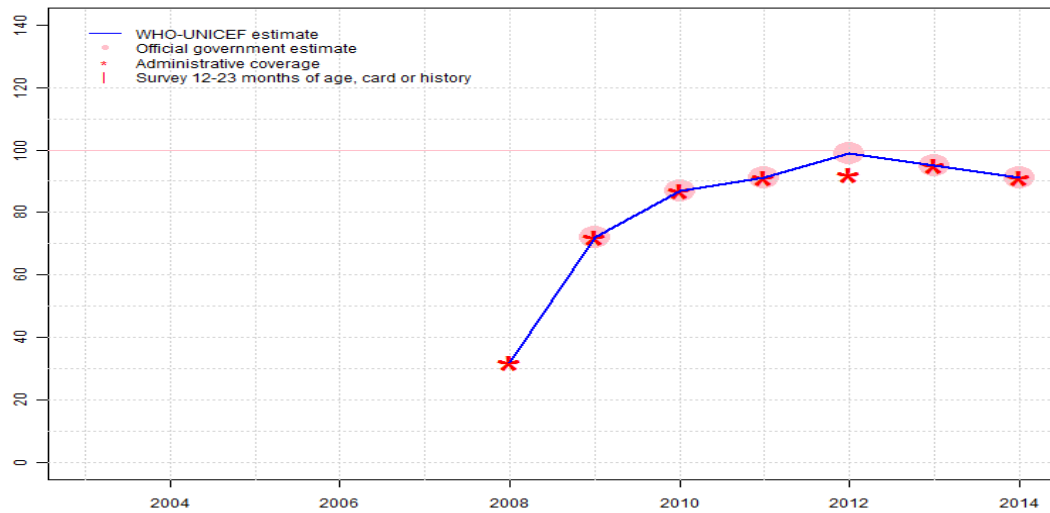
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. GoC=R+ D+

Samoa - Hib3

WSM - Hib3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	NA	NA	NA	NA	32	72	87	91	99	95	91
Estimate GoC	NA	NA	NA	NA	NA	••	••	••	••	••	•	•
Official	NA	NA	NA	NA	NA	NA	72	87	91	99	95	91
Administrative	NA	NA	NA	NA	NA	32	72	87	91	92	95	91
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

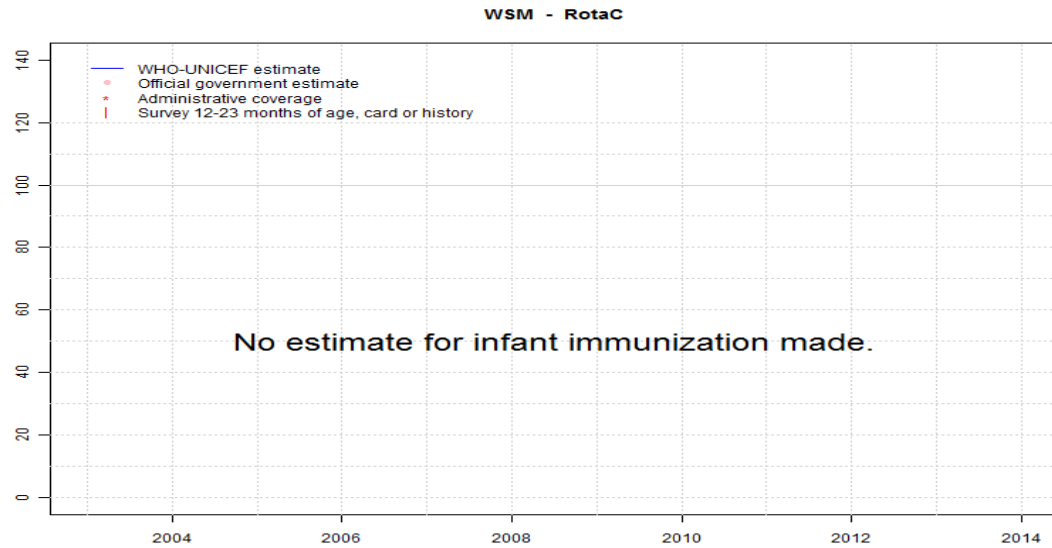
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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:

- 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-
- 2014: Estimate based on coverage reported by national government. Fluctuation in reported data is attributed to small birth cohort. Estimate challenged by: D-



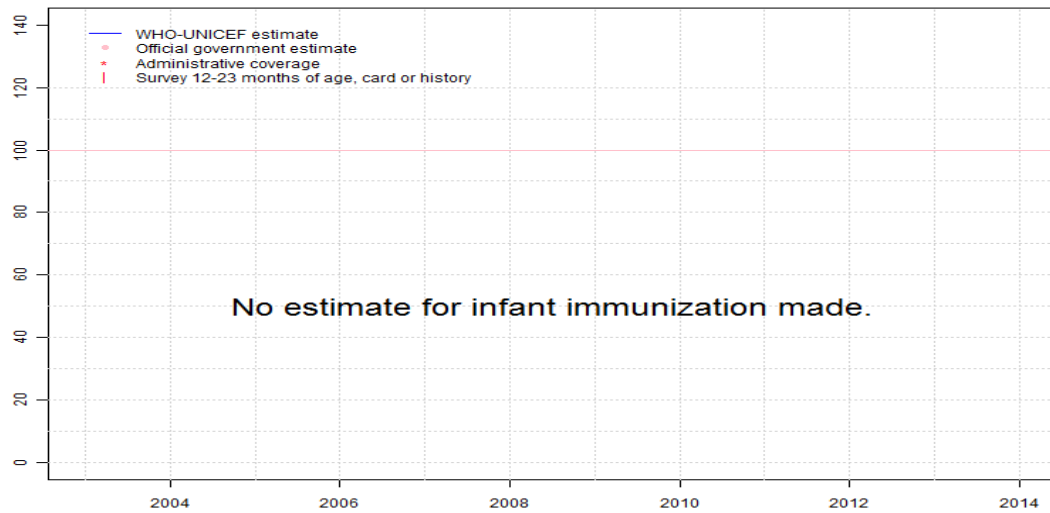
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

WSM - PcV3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
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
MCV1	C or H <12 months	56	18-29 m	321	40
MCV1	Card	27	18-29 m	321	40
MCV1	Card or History	63	18-29 m	321	40
MCV1	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 for previous years are available at:

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

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