

	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

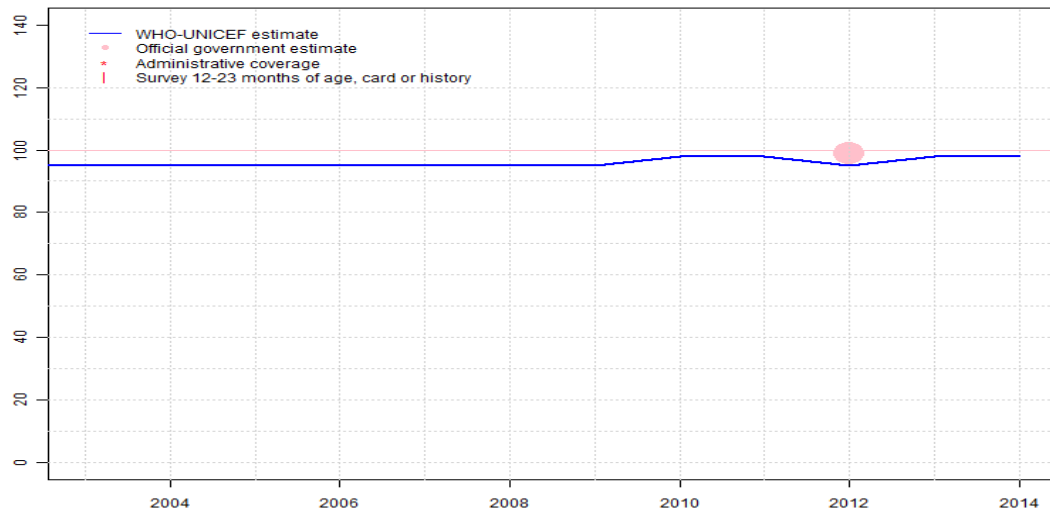
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Canada - DTP1

CAN - DTP1



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	95	95	95	95	95	95	95	98	98	95	98	98
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	99	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.

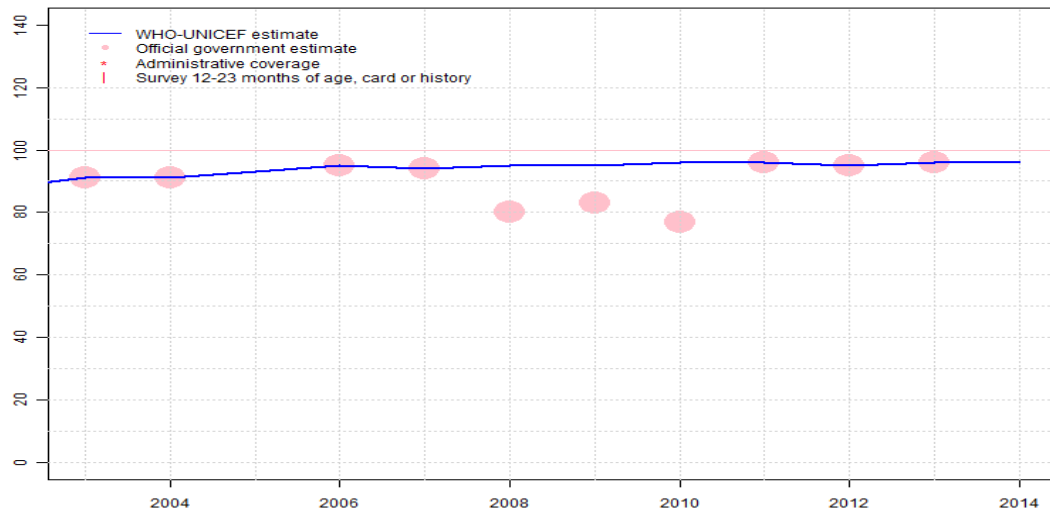
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2003: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2004: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2005: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2006: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2007: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2008: Reported data calibrated to 1997 levels. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2009: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. GoC=No accepted empirical data
- 2010: DTP1 coverage estimated based on DTP3 coverage of 96. The first dose of DTP containing vaccine is not monitored. Estimate of 98 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2011: DTP1 coverage estimated based on DTP3 coverage of 96. The first dose of DTP containing vaccine is not monitored. Estimate is based on reported data. Estimate of 98 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2012: Reported data calibrated to 1997 levels. The first dose of DTP containing vaccine is not monitored. Estimate is based on reported data. GoC=No accepted empirical data
- 2013: DTP1 coverage estimated based on DTP3 coverage of 96. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. The first dose of DTP containing vaccine is not monitored. Estimate is based on reported data. GoC=No accepted empirical data
- 2014: DTP1 coverage estimated based on DTP3 coverage of 96. See note for 2013 on source of reported coverage. The first dose of DTP containing vaccine is not monitored. Estimate is based on reported data. GoC=No accepted empirical data

Canada - DTP3

CAN - DTP3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	91	91	93	95	94	80	95	96	96	95	96	96
Estimate GoC	••	••	•	••	••	•	•	•	••	••	••	•
Official	91	91	NA	95	94	80	83	77	96	95	96	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.

Description:

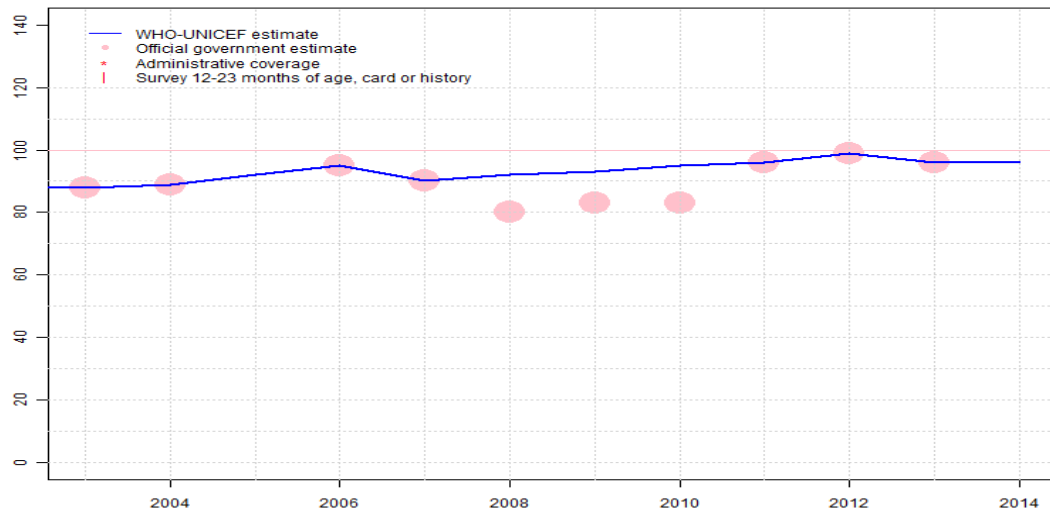
- 2003: Estimate based on coverage reported by national government. GoC=R+
- 2004: Estimate based on coverage reported by national government. Estimate of 91 percent changed from previous revision value of 94 percent. GoC=R+
- 2005: Estimate based on interpolation between data reported by national government. Estimate of 93 percent changed from previous revision value of 94 percent. GoC=No accepted empirical data
- 2006: Estimate based on coverage reported by national government. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. The Government of Canada conducts periodic nationally representative national immunization coverage surveys. In the 2011 Childhood National Immunization Coverage Survey (cNICS) questions were asked of the parents of 395 children who turned 2 years of age within 12 months prior to the survey. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Estimate is based on reported data. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on coverage reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data. GoC=R+
- 2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Reported coverage is based on that for the third dose of polio vaccine administered in

Canada - DTP3

combination with DTP. The programme monitors the fourth dose of DTP containing vaccine at 2 years of age. Estimate is based on reported data. GoC=No accepted empirical data

Canada - Pol3

CAN - Pol3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	88	89	92	95	90	92	93	95	96	99	96	96
Estimate GoC	••	••	•	••	••	•	•	•	••	••	••	•
Official	88	89	NA	95	90	80	83	83	96	99	96	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.

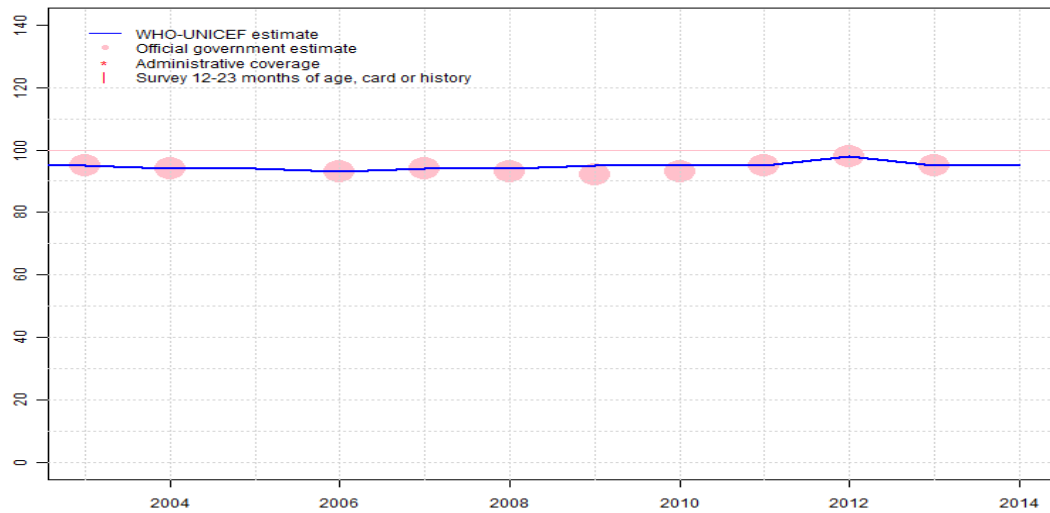
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2003: Estimate based on coverage reported by national government. GoC=R+
- 2004: Estimate based on coverage reported by national government. GoC=R+
- 2005: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 2006: Estimate based on coverage reported by national government. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. The Government of Canada conducts periodic nationally representative national immunization coverage surveys. In the 2011 Childhood National Immunization Coverage Survey (cNICS) questions were asked of the parents of 395 children who turned 2 years of age within 12 months prior to the survey. Results suggests coverage of 96 percent for four doses of IPV vaccine by the 2nd birthday. Estimate of 93 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Estimate of 95 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Estimate is based on reported data. Estimate of 96 percent changed from previous revision value of 99 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on coverage reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data. GoC=R+
- 2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Estimate is based on reported data. GoC=No accepted empirical data

Canada - MCV1

CAN - MCV1



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	95	94	94	93	94	94	95	95	95	98	95	95
Estimate GoC	••	••	•	••	••	•	•	•	••	••	••	•
Official	95	94	NA	93	94	93	92	93	95	98	95	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.

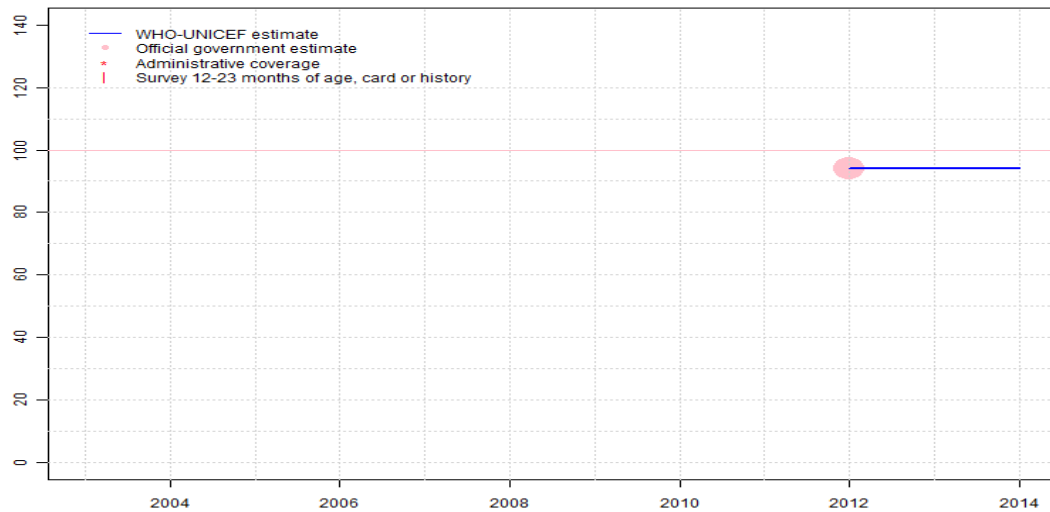
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2003: Estimate based on coverage reported by national government. GoC=R+
- 2004: Estimate based on coverage reported by national government. GoC=R+
- 2005: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 2006: Estimate based on coverage reported by national government. Estimate of 93 percent changed from previous revision value of 94 percent. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. Estimate of 94 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. The Government of Canada conducts periodic nationally representative national immunization coverage surveys. In the 2011 Childhood National Immunization Coverage Survey (cNICS) questions were asked of the parents of 395 children who turned 2 years of age within 12 months prior to the survey. Results suggests coverage of 95 percent for MMR vaccine by the 2nd birthday. Estimate of 95 percent changed from previous revision value of 96 percent. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Estimate of 95 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Estimate is based on reported data. Estimate of 95 percent changed from previous revision value of 98 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on coverage reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data. GoC=R+
- 2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Estimate is based on reported data. GoC=No accepted empirical data

Canada - MCV2

CAN - MCV2



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	94	94	94
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●	●	●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	94	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.

Description:

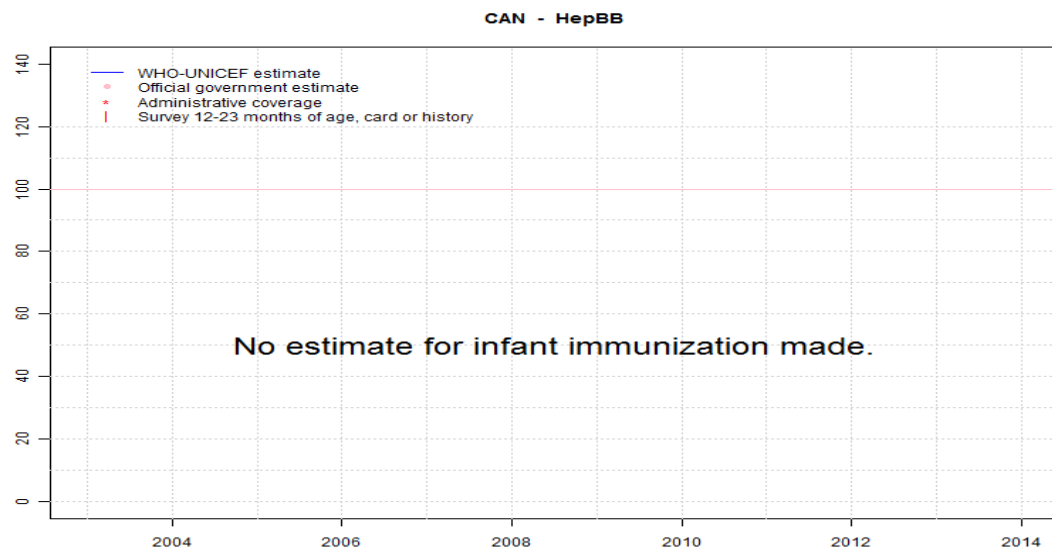
Coverage estimates for the second dose of measles containing vaccine are for children by the nationally recommended age.

2012: Estimate based on coverage reported by national government. MCV second dose introduced in 1997. Reporting started in 2012. Estimate is based on reported data. GoC=R+

2013: Estimate based on extrapolation from data reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data. GoC=No accepted empirical data

2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Estimate is based on reported data. GoC=No accepted empirical data

Canada - HepBB



	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

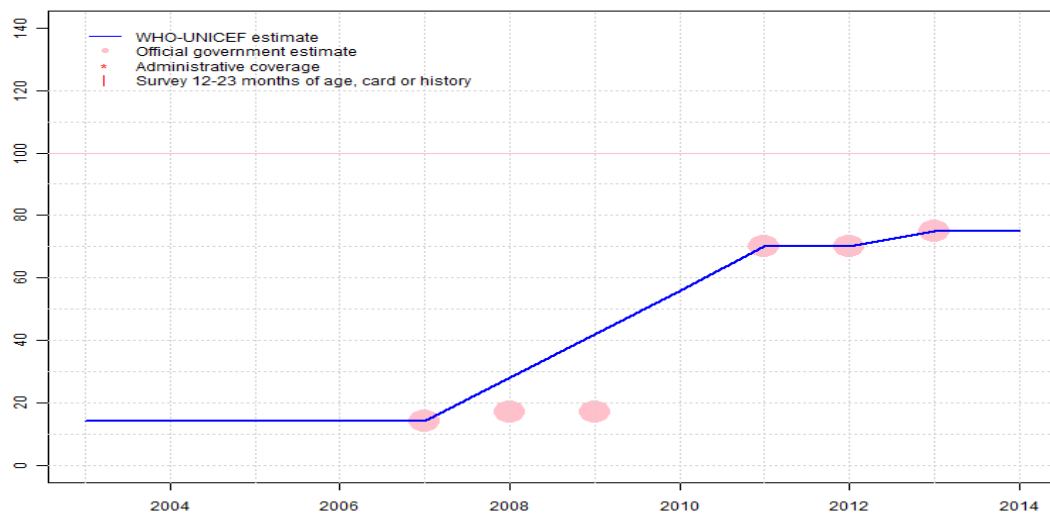
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Canada - HepB3

CAN - HepB3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	14	14	14	14	14	28	42	56	70	70	75	75
Estimate GoC	•	•	•	•	••	•	•	•	••	••	••	•
Official	NA	NA	NA	NA	14	17	17	NA	70	70	75	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.

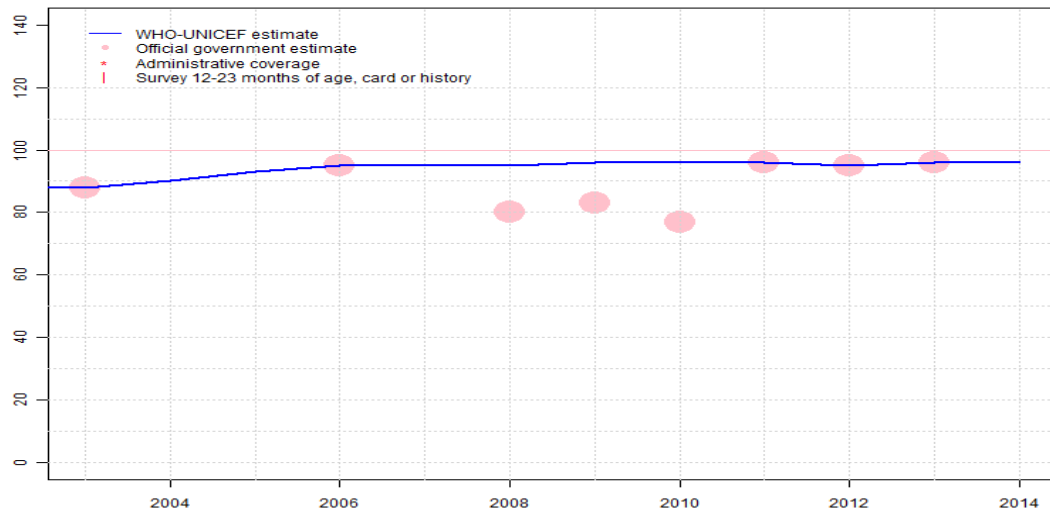
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2003: Estimate based on extrapolation from data reported by national government. HepB vaccine introduced in 1998. Reporting started in 2003. Vaccine presentation is monovalent HepB. GoC=No accepted empirical data
- 2004: Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
- 2005: Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
- 2006: Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between reported values. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between reported values. Reported data excluded. Decline in coverage unexplained. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Not all provinces immunized infants for Hep B in 2011. Estimate is based on reported data. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on coverage reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data. GoC=R+
- 2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Estimate is based on reported data. GoC=No accepted empirical data

Canada - Hib3

CAN - Hib3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	88	90	93	95	95	95	96	96	96	95	96	96
Estimate GoC	••	•	•	••	•	•	•	•	••	••	••	•
Official	88	NA	NA	95	NA	80	83	77	96	95	96	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.

Description:

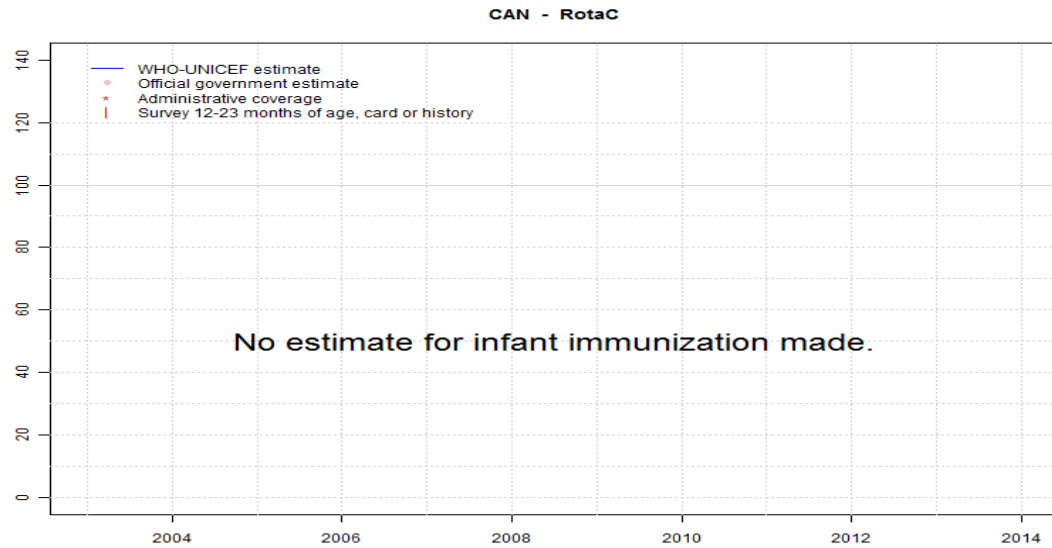
- 2003: Estimate based on coverage reported by national government. Estimate of 88 percent changed from previous revision value of 83 percent. GoC=R+
- 2004: Estimate based on interpolation between data reported by national government. Estimate of 90 percent changed from previous revision value of 87 percent. GoC=No accepted empirical data
- 2005: Estimate based on interpolation between data reported by national government. Estimate of 93 percent changed from previous revision value of 90 percent. GoC=No accepted empirical data
- 2006: Estimate based on coverage reported by national government. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=R+
- 2007: Estimate based on interpolation between data reported by national government. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=No accepted empirical data
- 2008: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. Estimate of 95 percent changed from previous revision value of 94 percent. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. The Government of Canada conducts periodic nationally representative national immunization coverage surveys. In the 2011 Childhood National Immunization Coverage Survey (cNICS) questions were asked of the parents of 395 children who turned 2 years of age within 12 months prior to the survey. Results suggests coverage of 88 percent for four doses of Hib vaccine by the 2nd birthday. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. Decline in coverage unexplained. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Estimate is based on reported data. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on coverage reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey

Canada - Hib3

may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Estimate is based on reported data.
GoC=R+

2014: Estimate based on extrapolation from data reported by national government. See note for 2013 on source of reported coverage. Reported coverage is based on that for the third dose of polio vaccine administered in combination with Hib. The programme monitors the fourth dose of Hib containing vaccine at 2 years of age. Estimate is based on reported data.
GoC=No accepted empirical data

Canada - RotaC



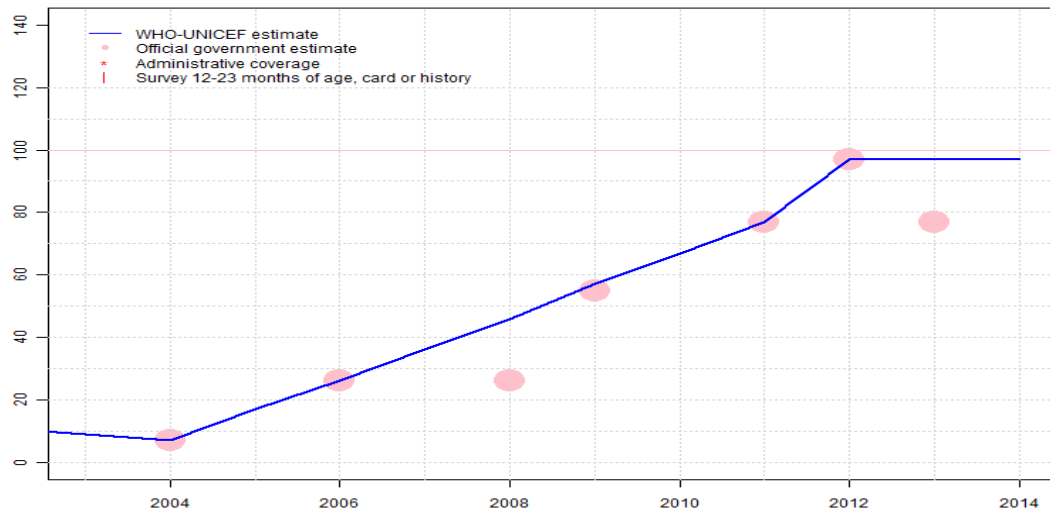
	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

CAN - PcV3



	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Estimate	9	7	17	26	36	46	57	67	77	97	97	97
Estimate GoC	•	••	•	••	•	•	•	•	••	••	•	•
Official	NA	7	NA	26	NA	26	55	NA	77	97	77	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.

Description:

- 2003: Estimate based on interpolation between reported values. Pneumococcal conjugate vaccine introduced in 2002. GoC=No accepted empirical data
- 2004: Estimate based on coverage reported by national government. GoC=R+
- 2005: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2006: Estimate based on coverage reported by national government. GoC=R+
- 2007: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2008: Estimate based on interpolation between reported values. Reported data excluded. Decline in coverage unexplained. Nationally reported data for 2008 are based on the results of the 2006 Childhood National Immunization Coverage Survey. Estimate of 46 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2009: Estimate based on interpolation between reported values. Reported data excluded. Decline in coverage unexplained. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate of 57 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between reported values. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate of 67 percent changed from previous revision value of 97 percent. GoC=No accepted empirical data
- 2011: Estimate based on coverage reported by national government. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate is based on reported data. Estimate of 77 percent changed from previous revision value of 97 percent. GoC=R+
- 2012: Estimate based on coverage reported by national government. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate is based on reported data. GoC=R+
- 2013: Estimate based on extrapolation from data reported by national government. Reported coverage are obtained from the validation component of the 2011 Childhood National Immunization Coverage Survey for children 24 months or less. Immunization coverage estimates obtained from the national survey may yield lower than actual immunization coverage due to provincial variations in vaccine delivery programmes. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate is based on reported data. Inconsistency with other multi-dose vaccines. The decline in reported coverage is unexplained. Estimate of 97 percent changed from previous revision value of 77 percent. GoC=No accepted empirical data
- 2014: Estimate based on extrapolation from data reported by national government.

Canada - PcV3

See note for 2013 on source of reported coverage. Reported coverage reflects that for the third dose or fourth dose depending on jurisdiction. Estimate is based on reported data. GoC=No accepted empirical data

Canada - survey details

2003 National Immunization Coverage Survey 2004

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
HepB3	Card	14	20-40 m	-	-
MCV1	Card	94	20-40 m	-	-
Pol3	Card	89	20-40 m	-	-

2000 Canada, National Immunization Coverage Survey, 2002

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
DTP3	History	91	24-35 m	629	85
MCV1	History	94	24-35 m	629	85
Pol3	History	88	24-35 m	629	85

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