

BACKGROUND NOTE: Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from the published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, WHO and UNICEF attempt to distinguish between situations where the available empirical data accurately reflect immunization system performance and those where the data are likely to be compromised and present a misleading view of immunization coverage while jointly estimating the most likely coverage levels for each country.

WHO and UNICEF estimates are country-specific; that is to say, each country's data are reviewed individually, and data are not borrowed from other countries in the absence of data. Estimates are not based on ad hoc adjustments to reported data; in some instances empirical data are available from a single source, usually the nationally reported coverage data. In cases where no data are available for a given country/vaccine/year combination, data are considered from earlier and later years and interpolated to estimate coverage for the missing year(s). In cases where data sources are mixed and show large variation, an attempt is made to identify the most likely estimate with consideration of the possible biases in available data. For methods see:

*Burton et al. 2009. WHO and UNICEF estimates of national infant immunization coverage: methods and processes.

*Burton et al. 2012. A formal representation of the WHO and UNICEF estimates of national immunization coverage: a computational logic approach.

*Brown et al. 2013. An introduction to the grade of confidence used to characterize uncertainty around the WHO and UNICEF estimates of national immunization coverage.

DATA SOURCES.

ADMINISTRATIVE coverage: Reported by national authorities and based on aggregated administrative reports from health service providers on the number of vaccinations administered during a given period (numerator data) and reported target population data (denominator data). May be biased by inaccurate numerator and/or denominator data.

OFFICIAL coverage: Estimated coverage reported by national authorities that reflects their assessment of the most likely coverage based on any combination of administrative coverage, survey-based estimates or other data sources or adjustments. Approaches to determine OFFICIAL coverage may differ across countries.

SURVEY coverage: Based on estimated coverage from population-based household surveys among children aged 12-23 months or 24-35 months following a review of survey methods and results. Information is based on the combination of vaccination history from documented evidence or caregiver recall. Survey results are considered for the appropriate birth cohort based on the period of data collection.

ABBREVIATIONS

BCG: percentage of births who received one dose of Bacillus Calmette Guerin vaccine.

DTP1 / DTP3: percentage of surviving infants who received the 1st / 3rd dose, respectively, of diphtheria and tetanus toxoid with pertussis containing vaccine.

Pol3: percentage of surviving infants who received the 3rd dose of polio containing vaccine. May be either oral or inactivated polio vaccine.

IPV1: percentage of surviving infants who received at least one dose of inactivated polio vaccine. In countries utilizing an immunization schedule recommending either (i) a primary series of three doses of oral polio vaccine (OPV) plus at least one dose of IPV where OPV is included in routine

immunization and/or campaign or (ii) a sequential schedule of IPV followed by OPV, WHO and UNICEF estimates for IPV1 reflect coverage with at least one routine dose of IPV among infants <1 year of age among countries. For countries utilizing IPV containing vaccine use only, i.e., no recommended dose of OPV, the WHO and UNICEF estimate for IPV1 corresponds to coverage for the 1st dose of IPV.

Production of IPV coverage estimates, which begins in 2015, results in no change of the estimated coverage levels for the 3rd dose of polio (Pol3). For countries recommending routine immunization with a primary series of three doses of IPV alone, WHO and UNICEF estimated Pol3 coverage is equivalent to estimated coverage with three doses of IPV. For countries with a sequential schedule, estimated Pol3 coverage is based on that for the 3rd dose of polio vaccine regardless of vaccine type.

MCV1: percentage of surviving infants who received the 1st dose of measles containing vaccine. In countries where the national schedule recommends the 1st dose of MCV at 12 months or later based on the epidemiology of disease in the country, coverage estimates reflect the percentage of children who received the 1st dose of MCV as recommended.

MCV2: percentage of children who received the 2nd dose of measles containing vaccine according to the nationally recommended schedule.

RCV1: percentage of surviving infants who received the 1st dose of rubella containing vaccine. Coverage estimates are based on WHO and UNICEF estimates of coverage for the dose of measles containing vaccine that corresponds to the first measles-rubella combination vaccine. Nationally reported coverage of RCV is not taken into consideration nor are the data represented in the accompanying graph and data table.

HepBB: percentage of births which received a dose of hepatitis B vaccine within 24 hours of delivery. Estimates of hepatitis B birth dose coverage are produced only for countries with a universal birth dose policy. Estimates are not produced for countries that recommend a birth dose to infants born to HepB virus-infected mothers only or where there is insufficient information to determine whether vaccination is within 24 hours of birth.

HepB3: percentage of surviving infants who received the 3rd dose of hepatitis B containing vaccine following the birth dose.

Hib3: percentage of surviving infants who received the 3rd dose of Haemophilus influenzae type b containing vaccine.

RotaC: percentage of surviving infants who received the final recommended dose of rotavirus vaccine, which can be either the 2nd or the 3rd dose depending on the vaccine.

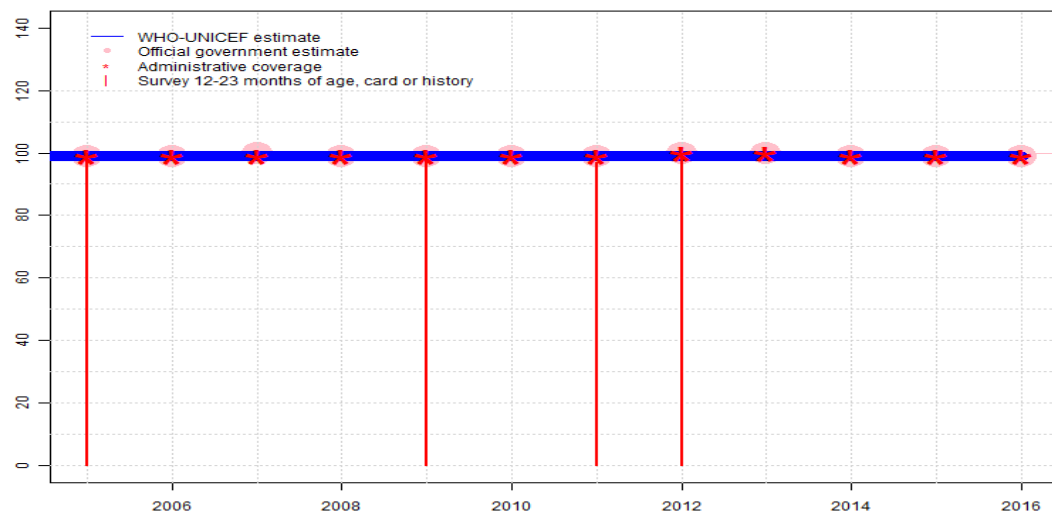
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect the percentage of surviving infants who received two doses of PcV prior to the 1st birthday.

YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

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Cuba - BCG

CUB - BCG



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	99	99	99	99	99	99	99	99	99	99	99	99
Estimate GoC	●●●	●	●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	99	99	100	99	99	99	99	100	100	99	99	99
Administrative	99	99	99	99	99	99	99	100	100	99	99	99
Survey	100	NA	NA	NA	100	NA	97	100	NA	NA	NA	NA

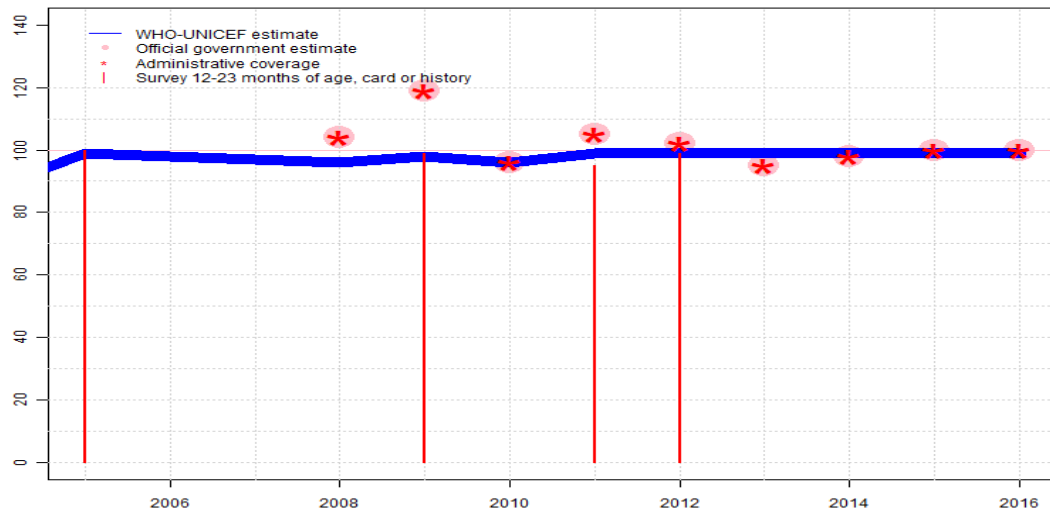
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

Cuba - DTP1

CUB - DTP1



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: R-
- 2013: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: R-
- 2012: DTP1 coverage estimated based on DTP3 coverage of 99. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: R-
- 2011: DTP1 coverage estimated based on DTP3 coverage of 97. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: D-R-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: DTP1 coverage estimated based on DTP3 coverage of 96. Reported data excluded because 119 percent greater than 100 percent. Reported data excluded due to an unexplained increase from 104 percent to 119 percent with decrease 96 percent. Estimate challenged by: R-
- 2008: Reported data calibrated to 2005 and 2009 levels. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-
- 2007: Reported data calibrated to 2005 and 2009 levels. Estimate challenged by: D-
- 2006: Reported data calibrated to 2005 and 2009 levels. Estimate challenged by: D-
- 2005: Estimate of 99 percent assigned by working group. Estimate is based on survey results. Estimate challenged by: D-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	99	98	97	96	98	96	99	99	99	99	99	99
Estimate GoC	•	•	•	•	•	•••	•	•	•	•	••	••
Official	NA	NA	NA	104	119	96	105	102	95	98	100	100
Administrative	NA	NA	NA	104	119	96	105	102	95	98	100	100
Survey	100	NA	NA	NA	99	NA	95	99	NA	NA	NA	NA

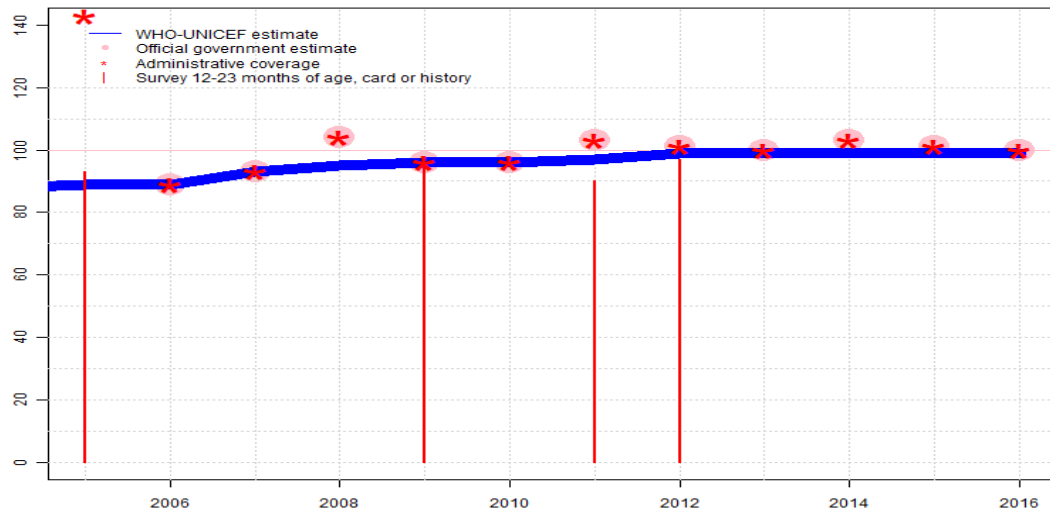
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

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Cuba - DTP3

CUB - DTP3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	89	89	93	95	96	96	97	99	99	99	99	99
Estimate GoC	•	•••	•	•••	•••	•••	•	•	•••	•	••	••
Official	NA	89	93	104	96	96	103	101	100	103	101	100
Administrative	143	89	93	104	96	96	103	101	100	103	101	100
Survey	93	NA	NA	NA	97	NA	90	97	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: 2015 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.

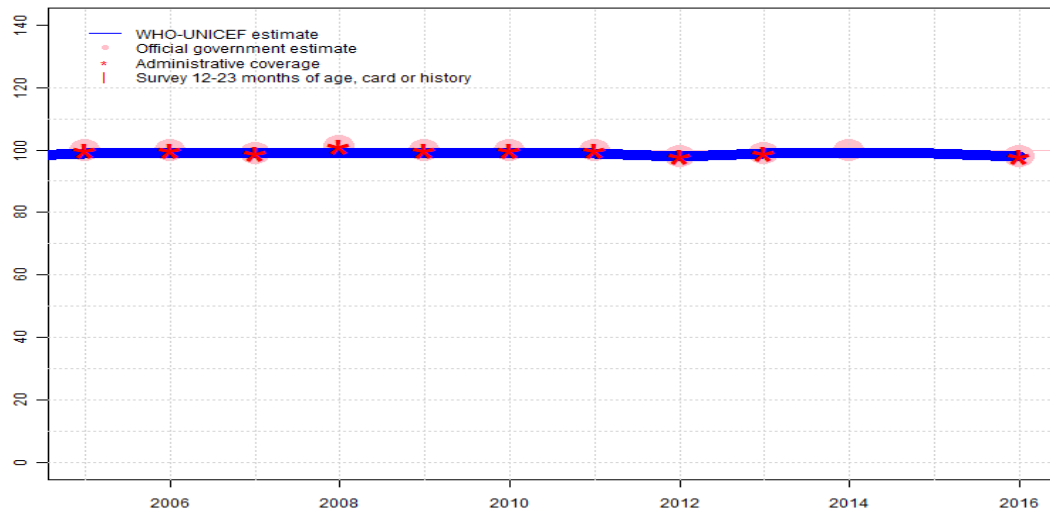
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on interpolation between data reported by national government. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+
- 2014: Estimate based on interpolation between data reported by national government. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2014 card or history results of 97 percent modified for recall bias to 96 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 96 percent and 3d dose card only coverage of 93 percent. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: D-
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 92 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2014 card or history results of 90 percent modified for recall bias to 92 percent based on 1st dose card or history coverage of 95 percent, 1st dose card only coverage of 88 percent and 3d dose card only coverage of 85 percent. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2006 card or history results of 93 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 100 percent, 1st dose card only coverage of 97 percent and 3d dose card only coverage of 91 percent. Reported data excluded because 143 percent greater than 100 percent. Reported data excluded due to an unexplained increase from 88 percent to 143 percent with decrease 89 percent. Estimate challenged by: D-

Cuba - Pol3

CUB - Pol3



Description:

- 2016: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 2014: Estimate based on coverage reported by national government. GoC=R+
- 2013: Estimate based on coverage reported by national government. GoC=R+
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ D+
- 2008: Estimate based on interpolation between data reported by national government. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	99	99	99	99	99	99	99	98	99	99	99	98
Estimate GoC	••	••	•	••	••	••	•	•	••	••	•	•
Official	100	100	99	101	100	100	100	98	99	100	NA	98
Administrative	100	100	99	101	100	100	100	98	99	NA	NA	98
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

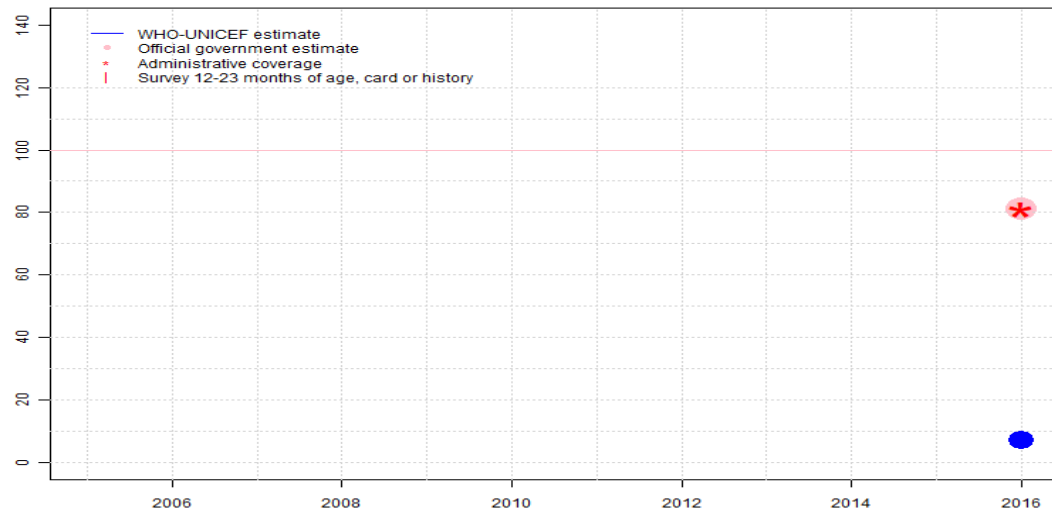
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

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Cuba - IPV1

CUB - IPV1



Description:

2016: Estimate of 7 percent assigned by working group. Reported coverage reflects that achieved in 9 percent of the national target population. Estimate is based on coverage achieved in the annualized national birth cohort. Programme reports 4 month national level vaccine stock-out. Inactivated polio vaccine introduced during 2016. Estimate challenged by: R-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	81
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

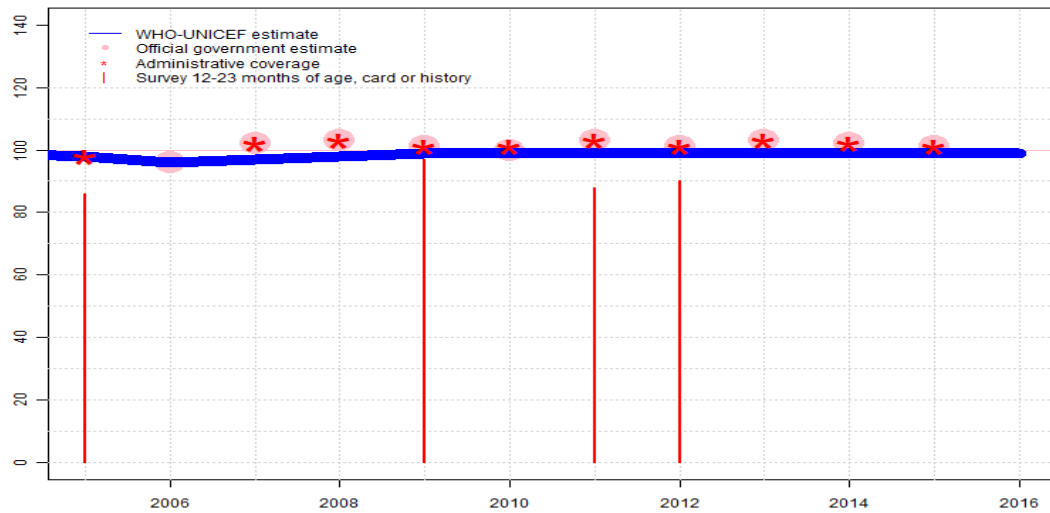
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

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Cuba - MCV1

CUB - MCV1



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	98	96	97	98	99	99	99	99	99	99	99	99
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●	●	●	●	●●	●
Official	NA	96	102	103	101	100	103	101	103	102	101	NA
Administrative	98	NA	102	103	101	101	103	101	103	102	101	NA
Survey	86	NA	NA	NA	97	NA	88	90	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: 2015 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.

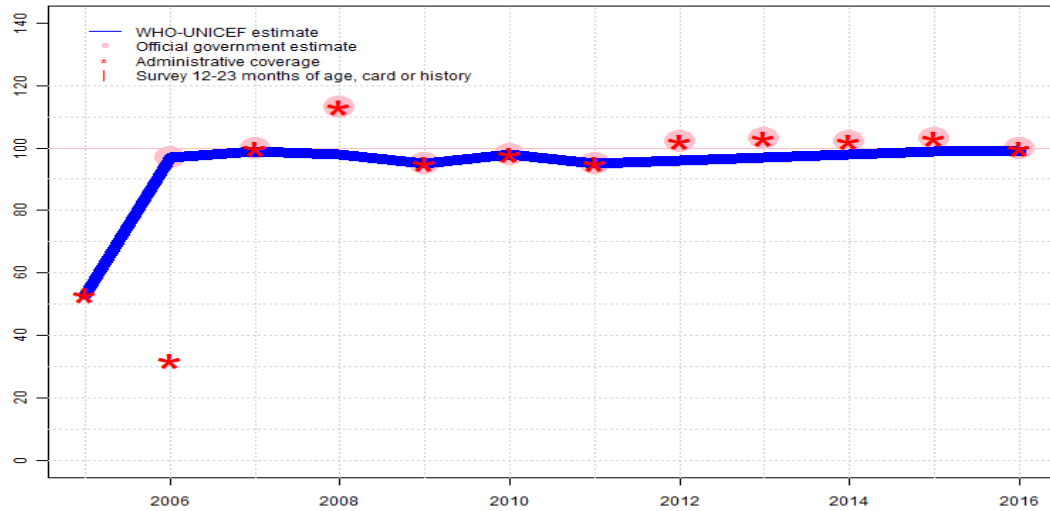
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
- 2015: Estimate based on extrapolation from data reported by national government. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+
- 2014: Estimate based on extrapolation from data reported by national government. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: D-
- 2013: Estimate based on extrapolation from data reported by national government. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: D-
- 2012: Estimate based on extrapolation from data reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: D-
- 2011: . Cuba Multiple Indicator Cluster Survey, 2014 results ignored by working group. Vaccine to vaccine consistency. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2007: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on reported administrative data. Cuba Multiple Indicator Cluster Survey, 2006 results ignored by working group. Measles vaccination is recommended between 12 and 23 months of age. Survey cohort under-estimates coverage. GoC=R+ D+

Cuba - MCV2

CUB - MCV2



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	53	97	99	98	95	98	95	96	97	98	99	99
Estimate GoC	••	•	•	•	•	••	••	••	••	••	••	•
Official	NA	97	100	113	95	98	95	102	103	102	103	100
Administrative	53	32	100	113	95	98	95	102	103	102	103	100
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: 2015 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.

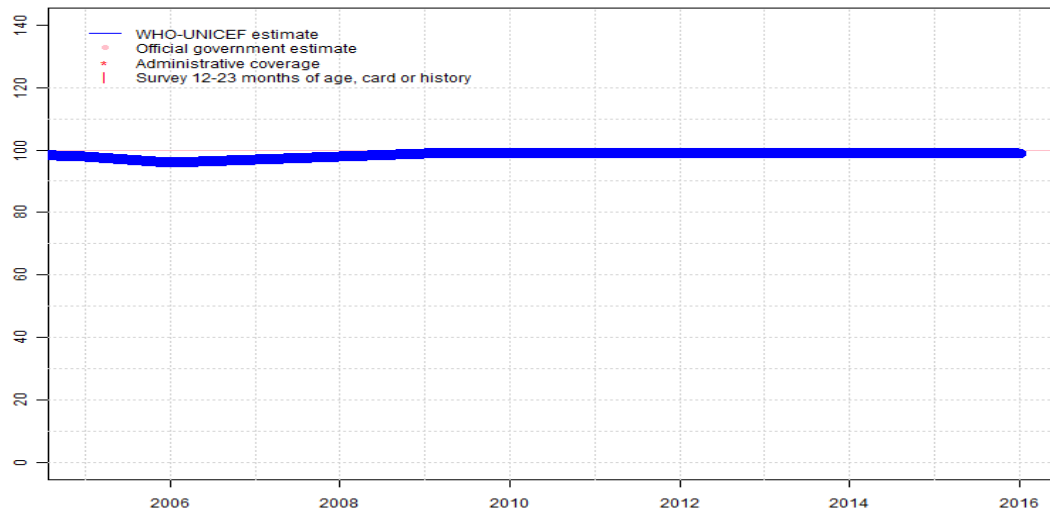
Description:

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

- 2016: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on interpolation between reported values. Reported data excluded because 103 percent greater than 100 percent. Estimate of 99 percent changed from previous revision value of 95 percent. GoC=R+ D+
- 2014: Estimate based on interpolation between reported values. Reported data excluded because 102 percent greater than 100 percent. Estimate of 98 percent changed from previous revision value of 95 percent. GoC=R+ D+
- 2013: Estimate based on interpolation between reported values. Reported data excluded because 103 percent greater than 100 percent. Estimate of 97 percent changed from previous revision value of 95 percent. GoC=R+ D+
- 2012: Estimate based on interpolation between reported values. Reported data excluded because 102 percent greater than 100 percent. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2008: Estimate based on interpolation between reported values. Reported data excluded because 113 percent greater than 100 percent. Reported data excluded due to an unexplained increase from 100 percent to 113 percent with decrease 95 percent. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on reported administrative estimate. GoC=R+ D+

Cuba - RCV1

CUB - RCV1



Description:

For this revision, coverage estimates for the first dose of rubella containing vaccine are based on WHO and UNICEF estimates of coverage of measles containing vaccine. Nationally reported coverage of rubella containing vaccine is not taken into consideration nor are they represented in the the accompanying graph and data table.

- 2016: Estimate based on estimated MCV1. GoC=No accepted empirical data
- 2015: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2013: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2012: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2011: . Estimate challenged by: R-
- 2010: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2009: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2008: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2007: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2006: Estimate based on estimated MCV1. GoC=R+ D+
- 2005: Estimate based on estimated MCV1. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	98	96	97	98	99	99	99	99	99	99	99	99
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●	●	●	●	●●	●
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

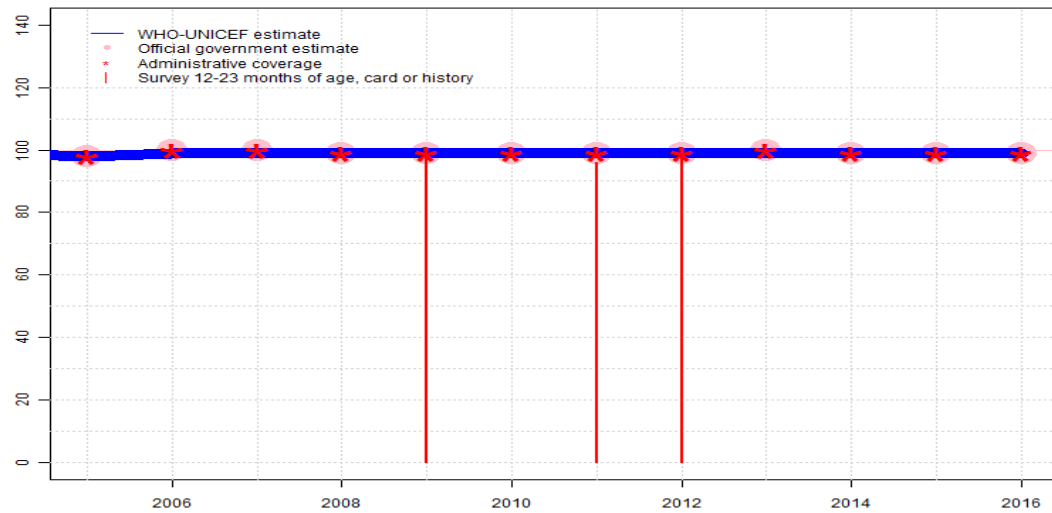
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

Cuba - HepBB

CUB - HepBB



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on reported data. GoC=R+ S+ D+
- 2007: Estimate based on reported data. Estimate challenged by: D-
- 2006: Estimate based on reported data. Estimate challenged by: D-
- 2005: Estimate based on reported data. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	98	99	99	99	99	99	99	99	99	99	99	99
Estimate GoC	●●	●	●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	98	100	100	99	99	99	99	99	100	99	99	99
Administrative	98	100	100	99	99	99	99	99	100	99	99	99
Survey	NA	NA	NA	NA	100	NA	96	99	NA	NA	NA	NA

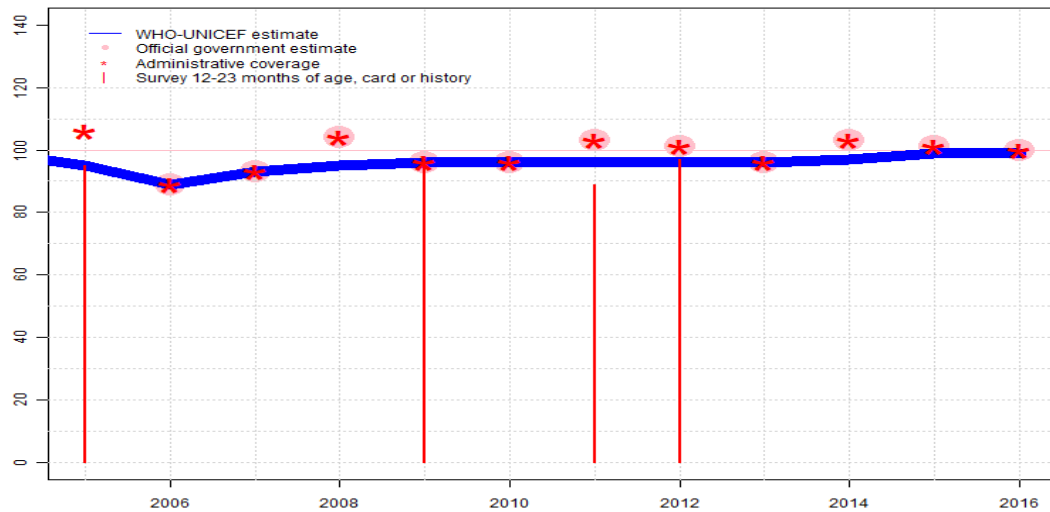
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

Cuba - HepB3

CUB - HepB3



Description:

- 2016: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on interpolation between data reported by national government. Reported data excluded because 101 percent greater than 100 percent. Estimate of 99 percent changed from previous revision value of 96 percent. GoC=R+ D+
- 2014: Estimate based on interpolation between data reported by national government. Reported data excluded because 103 percent greater than 100 percent. Estimate of 97 percent changed from previous revision value of 96 percent. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: D-
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 91 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2014 card or history results of 89 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 94 percent, 1st dose card only coverage of 87 percent and 3d dose card only coverage of 84 percent. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2006 card or history results of 95 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 97 percent and 3d dose card only coverage of 92 percent. Reported data excluded because 106 percent greater than 100 percent. Estimate challenged by: D-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	95	89	93	95	96	96	96	96	96	97	99	99
Estimate GoC	•	•	•	•••	•••	•••	•	•	•	•	••	•
Official	NA	89	93	104	96	96	103	101	96	103	101	100
Administrative	106	89	93	104	96	96	103	101	96	103	101	100
Survey	95	NA	NA	NA	97	NA	89	97	NA	NA	NA	NA

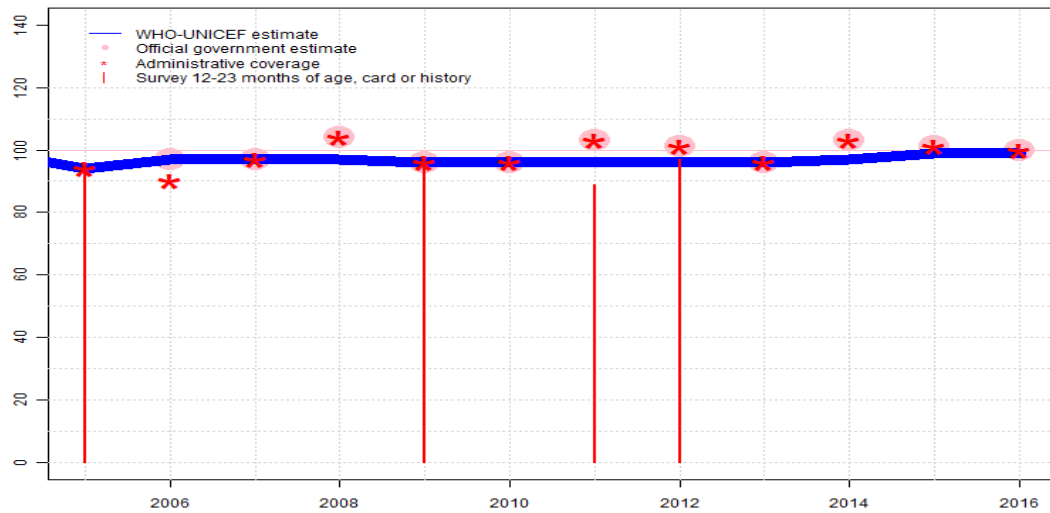
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2015 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.

Cuba - Hib3

CUB - Hib3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	94	97	97	97	96	96	96	96	96	97	99	99
Estimate GoC	●●●	●	●	●●●	●●●	●●●	●	●	●	●	●●	●
Official	NA	97	97	104	96	96	103	101	96	103	101	100
Administrative	94	90	97	104	96	96	103	101	96	103	101	100
Survey	95	NA	NA	NA	97	NA	89	97	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.

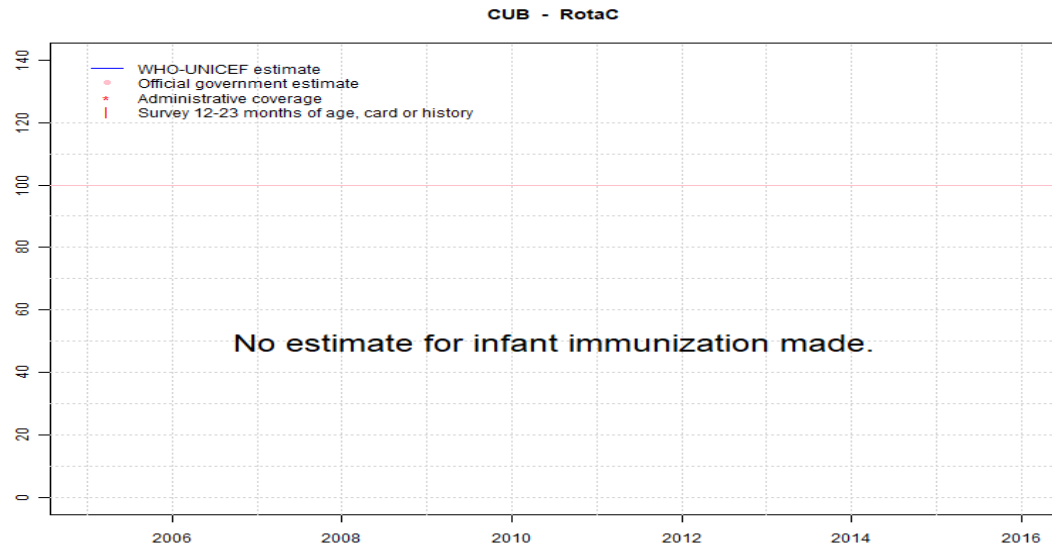
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2016: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2015: Estimate based on interpolation between data reported by national government. Reported data excluded because 101 percent greater than 100 percent. Estimate of 99 percent changed from previous revision value of 96 percent. GoC=R+ D+
- 2014: Estimate based on interpolation between data reported by national government. Reported data excluded because 103 percent greater than 100 percent. Estimate of 97 percent changed from previous revision value of 96 percent. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: D-
- 2011: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 91 percent based on 1 survey(s). Cuba Multiple Indicator Cluster Survey, 2014 card or history results of 89 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 94 percent, 1st dose card only coverage of 87 percent and 3d dose card only coverage of 84 percent. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on administrative data reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+

Cuba - RotaC

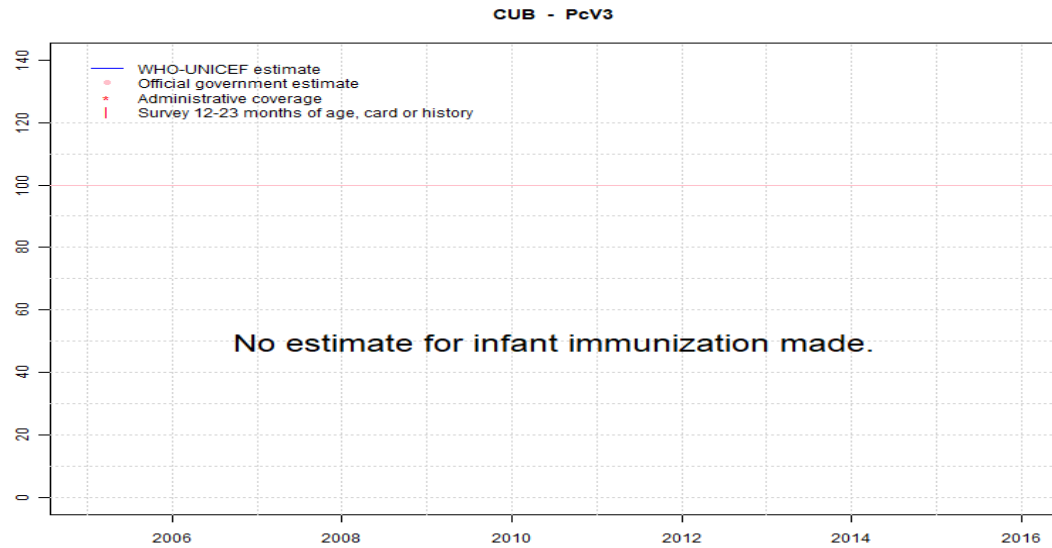


	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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: 2015 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.



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
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: 2015 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.

Cuba - survey details

2012 Encuesta de Indicadores Múltiples por Conglomerados, Cuba, 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	100	12-23 m	1148	87
BCG	Card	96	12-23 m	1148	87
BCG	Card or History	100	12-23 m	1148	87
BCG	History	4	12-23 m	1148	87
DTP1	C or H <12 months	99	12-23 m	1148	87
DTP1	Card	96	12-23 m	1148	87
DTP1	Card or History	99	12-23 m	1148	87
DTP1	History	4	12-23 m	1148	87
DTP3	C or H <12 months	97	12-23 m	1148	87
DTP3	Card	93	12-23 m	1148	87
DTP3	Card or History	97	12-23 m	1148	87
DTP3	History	4	12-23 m	1148	87
HepB1	C or H <12 months	99	12-23 m	1148	87
HepB1	Card	95	12-23 m	1148	87
HepB1	Card or History	99	12-23 m	1148	87
HepB1	History	4	12-23 m	1148	87
HepB3	C or H <12 months	97	12-23 m	1148	87
HepB3	Card	93	12-23 m	1148	87
HepB3	Card or History	97	12-23 m	1148	87
HepB3	History	4	12-23 m	1148	87
HepBB	C or H <12 months	99	12-23 m	1148	87
HepBB	Card	96	12-23 m	1148	87
HepBB	Card or History	99	12-23 m	1148	87
HepBB	History	3	12-23 m	1148	87
Hib1	C or H <12 months	98	12-23 m	1148	87
Hib1	Card	95	12-23 m	1148	87
Hib1	Card or History	99	12-23 m	1148	87
Hib1	History	4	12-23 m	1148	87
Hib3	C or H <12 months	97	12-23 m	1148	87
Hib3	Card	93	12-23 m	1148	87
Hib3	Card or History	97	12-23 m	1148	87
Hib3	History	4	12-23 m	1148	87
MCV1	Card	86	12-23 m	1148	87
MCV1	Card or History	90	12-23 m	1148	87
MCV1	History	4	12-23 m	1148	87

2011 Encuesta de Indicadores Múltiples por Conglomerados, Cuba, 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	96	24-35 m	1175	87
BCG	Card	90	24-35 m	1175	87
BCG	Card or History	97	24-35 m	1175	87
BCG	History	6	24-35 m	1175	87
DTP1	C or H <12 months	94	24-35 m	1175	87
DTP1	Card	88	24-35 m	1175	87
DTP1	Card or History	95	24-35 m	1175	87
DTP1	History	6	24-35 m	1175	87
DTP3	C or H <12 months	88	24-35 m	1175	87
DTP3	Card	85	24-35 m	1175	87
DTP3	Card or History	90	24-35 m	1175	87
DTP3	History	5	24-35 m	1175	87
HepB1	C or H <12 months	94	24-35 m	1175	87
HepB1	Card	87	24-35 m	1175	87
HepB1	Card or History	94	24-35 m	1175	87
HepB1	History	6	24-35 m	1175	87
HepB3	C or H <12 months	88	24-35 m	1175	87
HepB3	Card	84	24-35 m	1175	87
HepB3	Card or History	89	24-35 m	1175	87
HepB3	History	5	24-35 m	1175	87
HepBB	C or H <12 months	96	24-35 m	1175	87
HepBB	Card	90	24-35 m	1175	87
HepBB	Card or History	96	24-35 m	1175	87
HepBB	History	6	24-35 m	1175	87
Hib1	C or H <12 months	93	24-35 m	1175	87
Hib1	Card	87	24-35 m	1175	87
Hib1	Card or History	94	24-35 m	1175	87
Hib1	History	7	24-35 m	1175	87
Hib3	C or H <12 months	88	24-35 m	1175	87
Hib3	Card	84	24-35 m	1175	87
Hib3	Card or History	89	24-35 m	1175	87
Hib3	History	5	24-35 m	1175	87
MCV1	C or H <12 months	87	24-35 m	1175	87
MCV1	Card	82	24-35 m	1175	87
MCV1	Card or History	88	24-35 m	1175	87
MCV1	History	6	24-35 m	1175	87

Cuba - survey details

2009 Encuesta de Indicadores Múltiples por Conglomerados de Cuba
2010/11

MCV1 History 5 18-29 m 1413 95

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	99	18-29 m	1413	95
BCG	Card	94	18-29 m	1413	95
BCG	Card or History	100	18-29 m	1413	95
BCG	History	5	18-29 m	1413	95
DTP1	C or H <12 months	98	18-29 m	1413	95
DTP1	Card	94	18-29 m	1413	95
DTP1	Card or History	99	18-29 m	1413	95
DTP1	History	5	18-29 m	1413	95
DTP3	C or H <12 months	93	18-29 m	1413	95
DTP3	Card	92	18-29 m	1413	95
DTP3	Card or History	97	18-29 m	1413	95
DTP3	History	5	18-29 m	1413	95
HepB1	C or H <12 months	98	18-29 m	1413	95
HepB1	Card	94	18-29 m	1413	95
HepB1	Card or History	99	18-29 m	1413	95
HepB1	History	5	18-29 m	1413	95
HepB3	C or H <12 months	93	18-29 m	1413	95
HepB3	Card	92	18-29 m	1413	95
HepB3	Card or History	97	18-29 m	1413	95
HepB3	History	5	18-29 m	1413	95
HepBB	C or H <12 months	99	18-29 m	1413	95
HepBB	Card	95	18-29 m	1413	95
HepBB	Card or History	100	18-29 m	1413	95
HepBB	History	5	18-29 m	1413	95
Hib1	C or H <12 months	98	18-29 m	1413	95
Hib1	Card	94	18-29 m	1413	95
Hib1	Card or History	99	18-29 m	1413	95
Hib1	History	5	18-29 m	1413	95
Hib3	C or H <12 months	93	18-29 m	1413	95
Hib3	Card	92	18-29 m	1413	95
Hib3	Card or History	97	18-29 m	1413	95
Hib3	History	5	18-29 m	1413	95
MCV1	C or H <12 months	91	18-29 m	1413	95
MCV1	Card	92	18-29 m	1413	95
MCV1	Card or History	97	18-29 m	1413	95

2005 La Encuesta de Indicadores Múltiples por Conglomerados 2006 de Cuba

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	100	12-23 m	1840	98
BCG	Card	98	12-23 m	1840	98
BCG	Card or History	100	12-23 m	1840	98
BCG	History	2	12-23 m	1840	98
DTP1	C or H <12 months	99	12-23 m	1840	98
DTP1	Card	97	12-23 m	1840	98
DTP1	Card or History	100	12-23 m	1840	98
DTP1	History	2	12-23 m	1840	98
DTP3	C or H <12 months	86	12-23 m	1840	98
DTP3	Card	91	12-23 m	1840	98
DTP3	Card or History	93	12-23 m	1840	98
DTP3	History	2	12-23 m	1840	98
HepB1	C or H <12 months	99	12-23 m	1840	98
HepB1	Card	97	12-23 m	1840	98
HepB1	Card or History	99	12-23 m	1840	98
HepB1	History	2	12-23 m	1840	98
HepB3	C or H <12 months	92	12-23 m	1840	98
HepB3	Card	92	12-23 m	1840	98
HepB3	Card or History	95	12-23 m	1840	98
HepB3	History	2	12-23 m	1840	98
Hib3	C or H <12 months	89	12-23 m	1840	98
Hib3	Card	93	12-23 m	1840	98
Hib3	Card or History	95	12-23 m	1840	98
Hib3	History	2	12-23 m	1840	98
MCV1	C or H <12 months	83	12-23 m	1840	98
MCV1	Card	83	12-23 m	1840	98
MCV1	Card or History	86	12-23 m	1840	98
MCV1	History	3	12-23 m	1840	98
Pol1	C or H <12 months	92	12-23 m	1840	98
Pol1	Card	65	12-23 m	1840	98
Pol1	Card or History	95	12-23 m	1840	98
Pol1	History	30	12-23 m	1840	98

Cuba - survey details

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