

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.

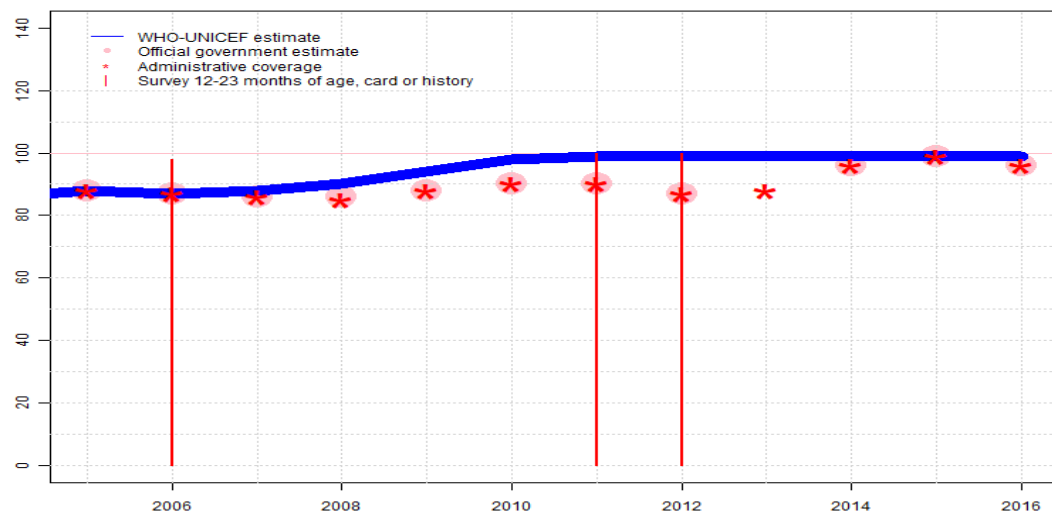
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect 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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Bolivia (Plurinational State of) - BCG

BOL - BCG



Description:

2016: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
 2014: Reported data calibrated to 2012 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
 2013: Reported data calibrated to 2012 levels. Estimate challenged by: R-
 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 100 percent based on 1 survey(s). Estimate challenged by: R-
 2011: Estimate of 100 percent assigned by working group. Estimate challenged by: R-
 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
 2006: Estimate based on nationally reported data. Estimate challenged by: S-
 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	88	87	88	90	94	98	99	99	99	99	99	99
Estimate GoC	●●●	●	●	●	●	●	●	●	●	●	●	●
Official	88	87	86	86	88	90	90	87	NA	96	99	96
Administrative	88	87	86	85	88	90	90	87	88	96	99	96
Survey	NA	98	NA	NA	NA	NA	100	100	NA	NA	NA	NA

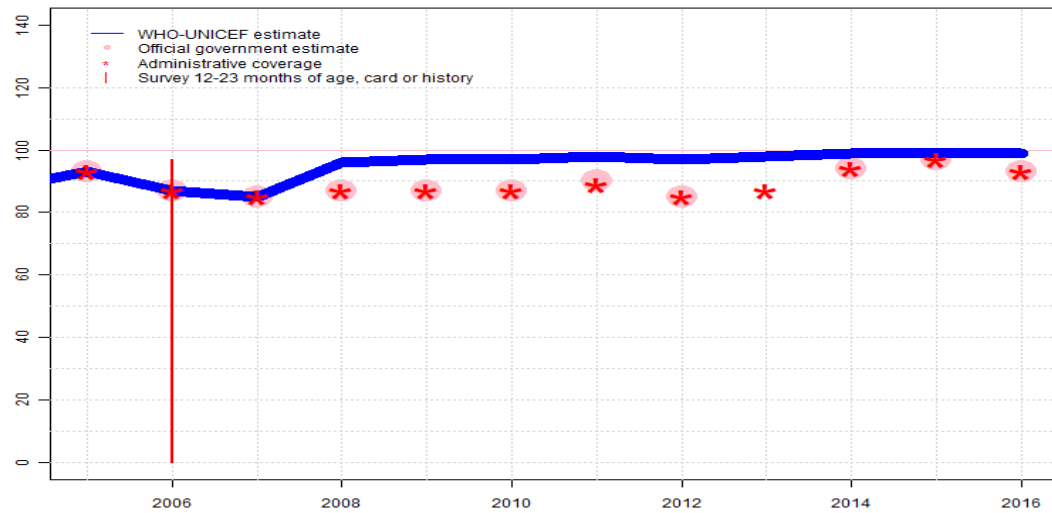
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Bolivia (Plurinational State of) - DTP1

BOL - DTP1



Description:

- 2016: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: R-
- 2015: DTP1 coverage estimated based on DTP3 coverage of 102. Estimate challenged by: R-
- 2014: DTP1 coverage estimated based on DTP3 coverage of 98. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: R-
- 2013: DTP1 coverage estimated based on DTP3 coverage of 94. Estimate challenged by: R-
- 2012: DTP1 coverage estimated based on DTP3 coverage of 93. Estimate challenged by: R-
- 2011: DTP1 coverage estimated based on DTP3 coverage of 95. Estimate challenged by: R-
- 2010: DTP1 coverage estimated based on DTP3 coverage of 91. Estimate challenged by: R-
- 2009: DTP1 coverage estimated based on DTP3 coverage of 93. Estimate challenged by: R-
- 2008: DTP1 coverage estimated based on DTP3 coverage of 88. Estimate challenged by: R-
- 2007: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2006: Estimate based on nationally reported data. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	87	85	96	97	97	98	97	98	99	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	93	87	85	87	87	87	90	85	NA	94	97	93
Administrative	93	87	85	87	87	87	89	85	87	94	97	93
Survey	NA	97	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

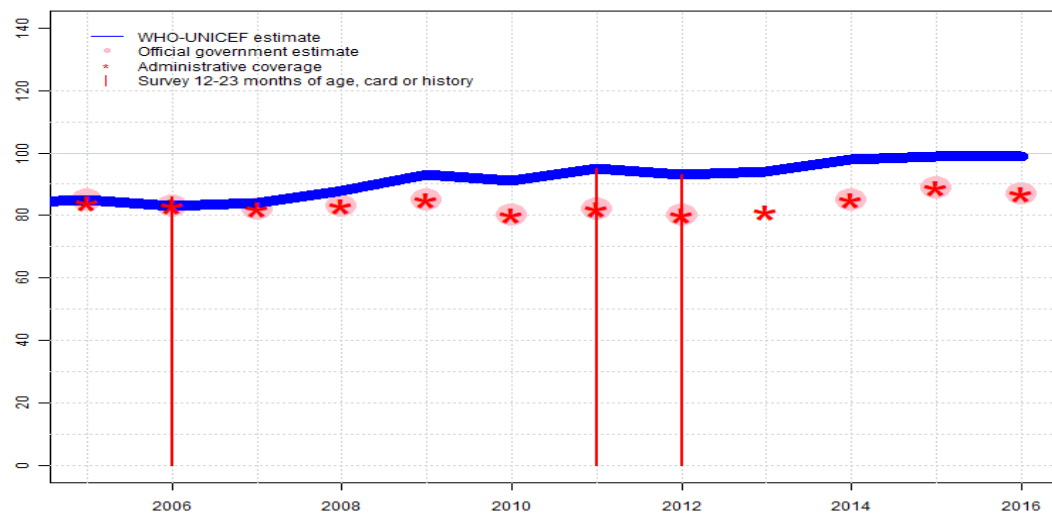
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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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Bolivia (Plurinational State of) - DTP3

BOL - DTP3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	85	83	84	88	93	91	95	93	94	98	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	85	83	82	83	85	80	82	80	NA	85	89	87
Administrative	84	83	82	83	85	80	82	80	81	85	89	87
Survey	NA	86	NA	NA	NA	NA	95	93	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.

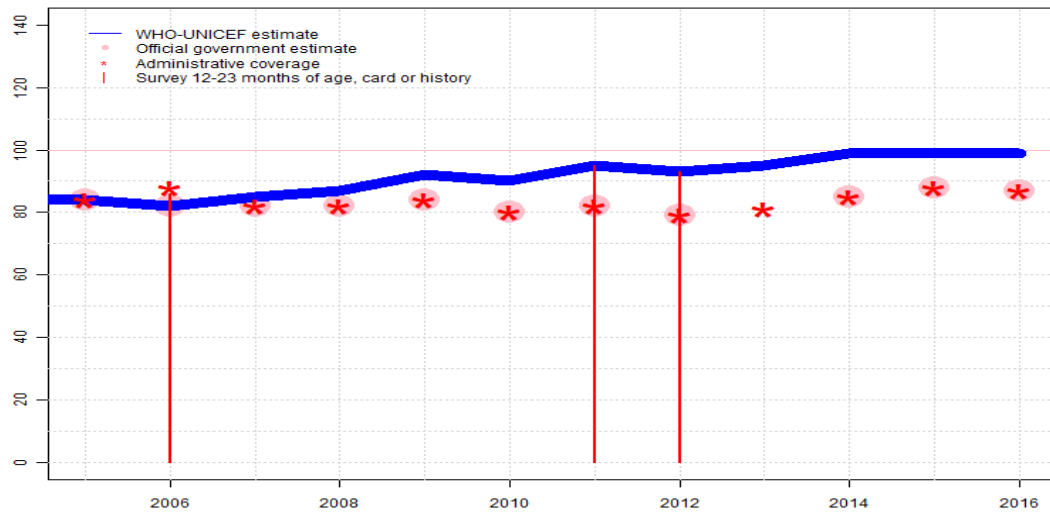
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2012 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2012 levels. Estimate challenged by: R-
- 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 93 percent based on 1 survey(s). Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 95 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2006: Estimate based on nationally reported data. Bolivia Demographic and Health Survey 2008 card or history results of 86 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 75 percent and 3d dose card only coverage of 70 percent. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Bolivia (Plurinational State of) - Pol3

BOL - Pol3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	84	82	85	87	92	90	95	93	95	99	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	84	82	82	82	84	80	82	79	NA	85	88	87
Administrative	84	88	82	82	84	80	82	79	81	85	88	87
Survey	NA	86	NA	NA	NA	NA	95	93	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.

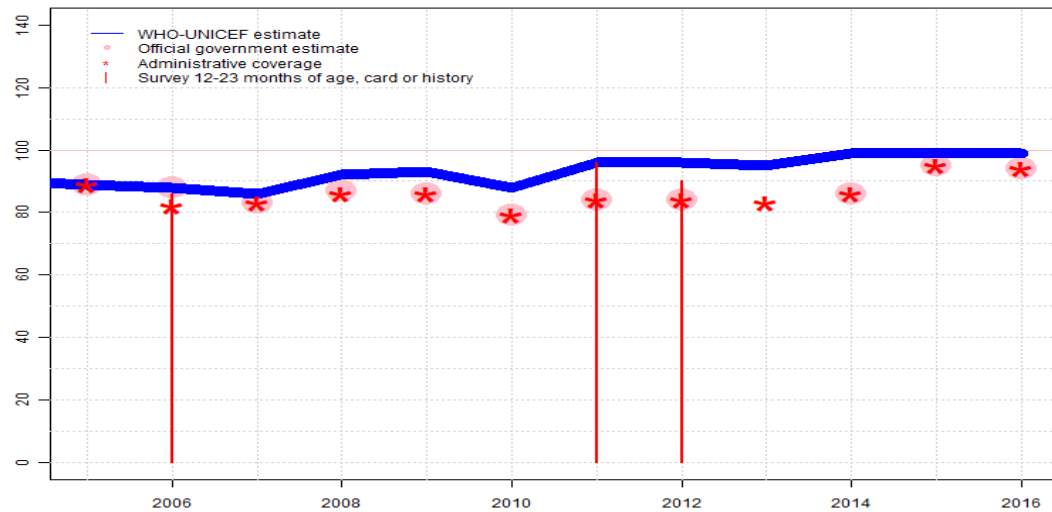
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2012 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2012 levels. Estimate challenged by: R-
- 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 93 percent based on 1 survey(s). Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 95 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2006: Estimate based on nationally reported data. Bolivia Demographic and Health Survey 2008 card or history results of 86 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 75 percent and 3d dose card only coverage of 70 percent. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Bolivia (Plurinational State of) - MCV1

BOL - MCV1



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	89	88	86	92	93	88	96	96	95	99	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	89	88	83	87	86	79	84	84	NA	86	95	94
Administrative	89	82	83	86	86	79	84	84	83	86	95	94
Survey	NA	86	NA	NA	NA	NA	96	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.

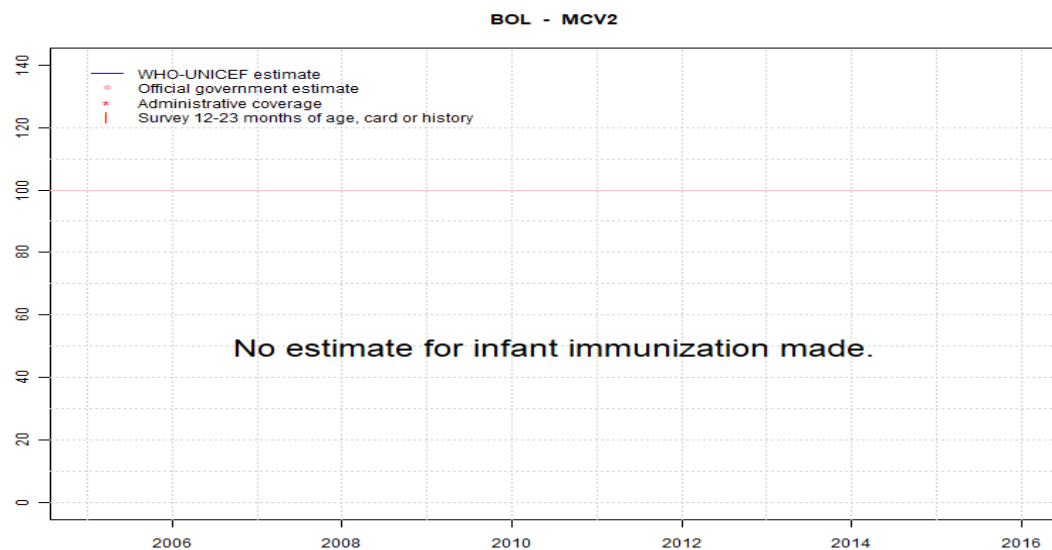
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-
- 2015: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2011 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2012: Reported data calibrated to 2011 levels. Bolivia National Immunization Coverage Survey 2013 results ignored by working group. First dose of MCV is recommended at 12-23 months and therefore the survey result may not reflect doses received during the second year of life. Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 96 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2006: Estimate based on coverage reported by national government supported by survey. Survey evidence of 86 percent based on 1 survey(s). GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Bolivia (Plurinational State of) - MCV2



	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

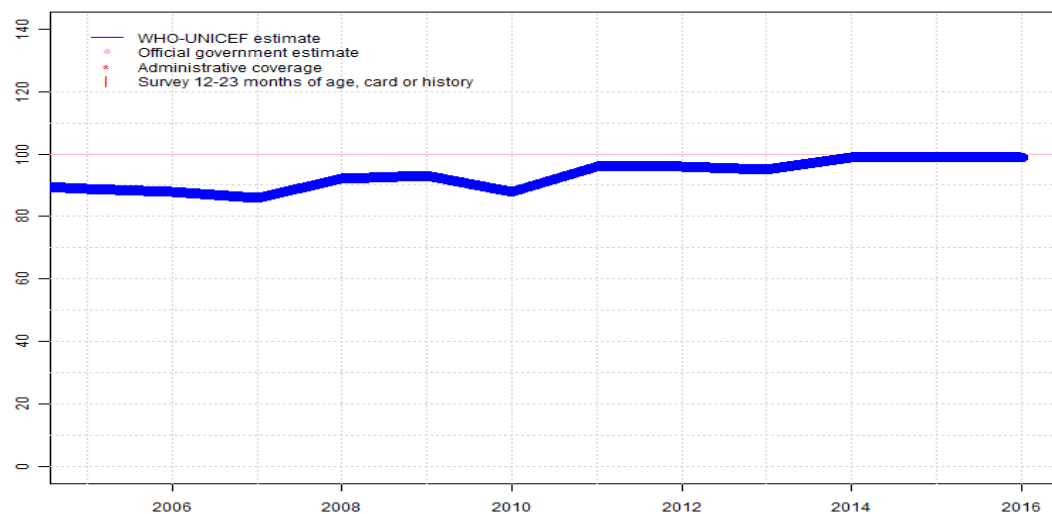
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

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Bolivia (Plurinational State of) - RCV1

BOL - 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. Estimate challenged by: D-R-
 2015: Estimate based on estimated MCV1. Estimate challenged by: D-R-
 2014: Estimate based on estimated MCV1. Estimate challenged by: D-R-
 2013: Estimate based on estimated MCV1. Estimate challenged by: R-
 2012: Estimate based on estimated MCV1. Estimate challenged by: R-
 2011: Estimate based on estimated MCV1. Estimate challenged by: R-
 2010: Estimate based on estimated MCV1. Estimate challenged by: R-
 2009: Estimate based on estimated MCV1. Estimate challenged by: R-
 2008: Estimate based on estimated MCV1. Estimate challenged by: R-
 2007: Estimate based on estimated MCV1. Estimate challenged by: R-
 2006: Estimate based on estimated MCV1. GoC=R+ S+ D+
 2005: Estimate based on estimated MCV1. GoC=R+ S+ D+

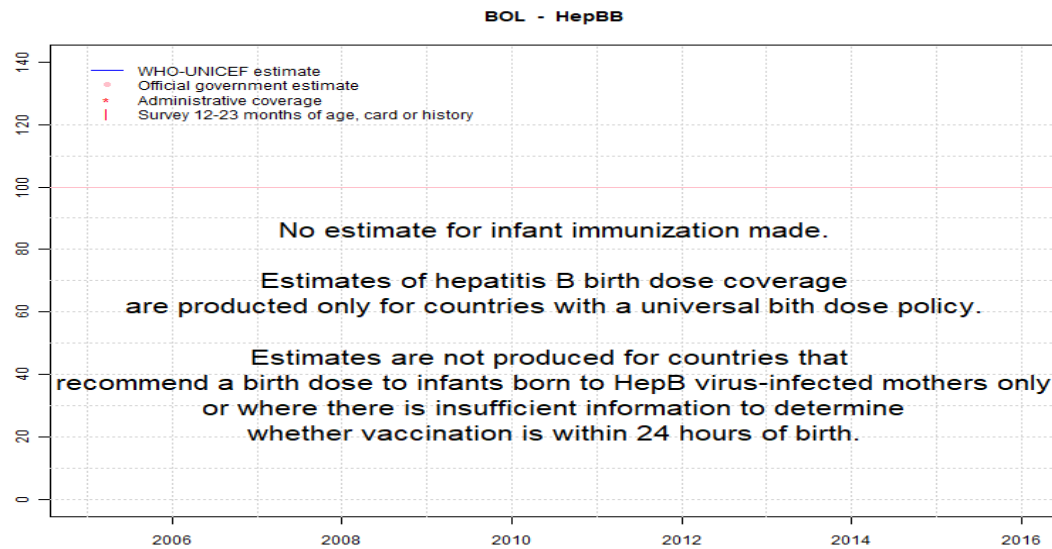
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	89	88	86	92	93	88	96	96	95	99	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

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Bolivia (Plurinational State of) - HepBB



	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

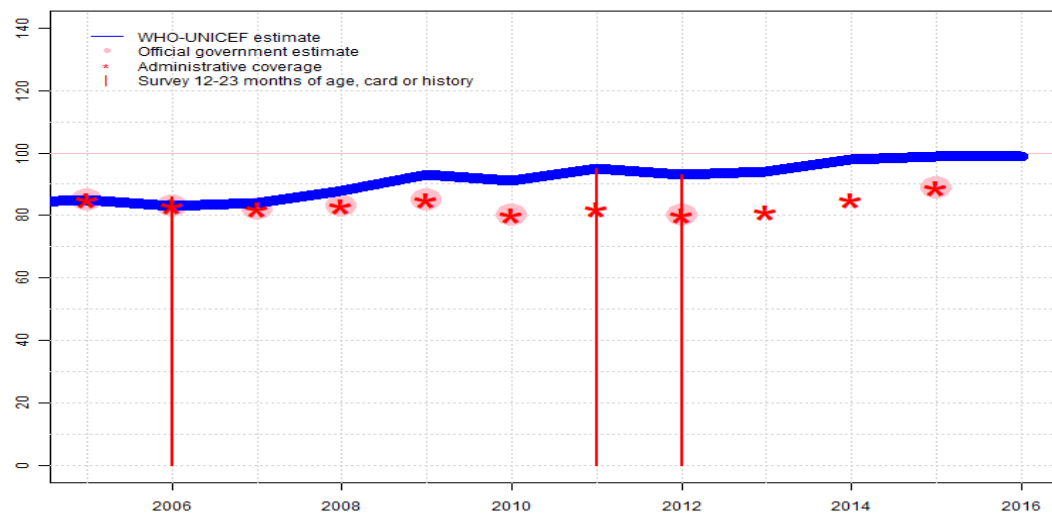
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Bolivia (Plurinational State of) - HepB3

BOL - HepB3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	85	83	84	88	93	91	95	93	94	98	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	85	83	82	83	85	80	NA	80	NA	NA	89	NA
Administrative	85	83	82	83	85	80	82	80	81	85	89	NA
Survey	NA	86	NA	NA	NA	NA	95	93	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.

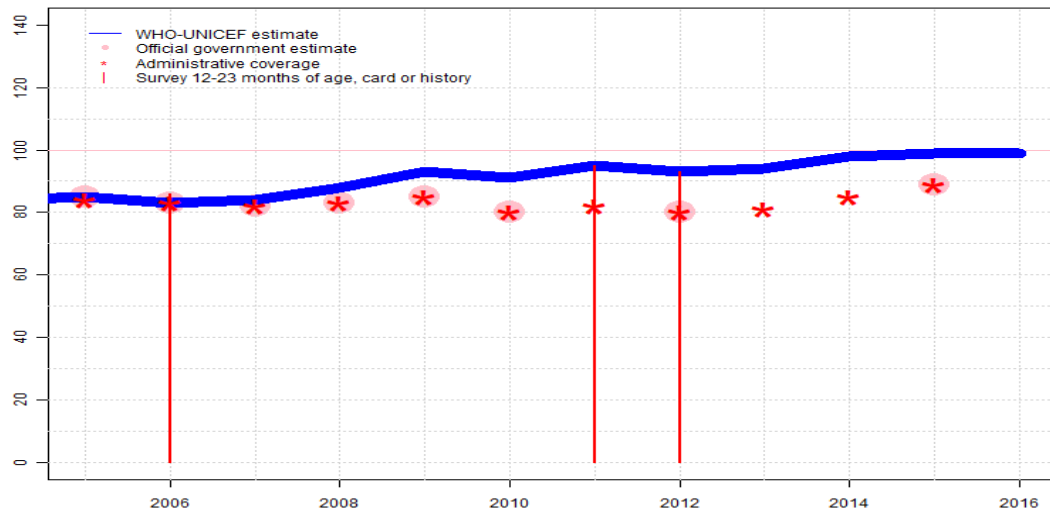
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Reported data calibrated to 2012 levels. GoC=No accepted empirical data
- 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2012 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2012 levels. Estimate challenged by: R-
- 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 93 percent based on 1 survey(s). Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 95 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2006: Estimate based on coverage reported by national government supported by survey. Survey evidence of 91 percent based on 1 survey(s). Bolivia Demographic and Health Survey 2008 card or history results of 86 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 75 percent and 3d dose card only coverage of 70 percent. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Bolivia (Plurinational State of) - Hib3

BOL - Hib3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	85	83	84	88	93	91	95	93	94	98	99	99
Estimate GoC	●●●	●●●	●	●	●	●	●	●	●	●	●	●
Official	85	83	82	83	85	80	NA	80	NA	NA	89	NA
Administrative	84	83	82	83	85	80	82	80	81	85	89	NA
Survey	NA	86	NA	NA	NA	NA	95	93	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.

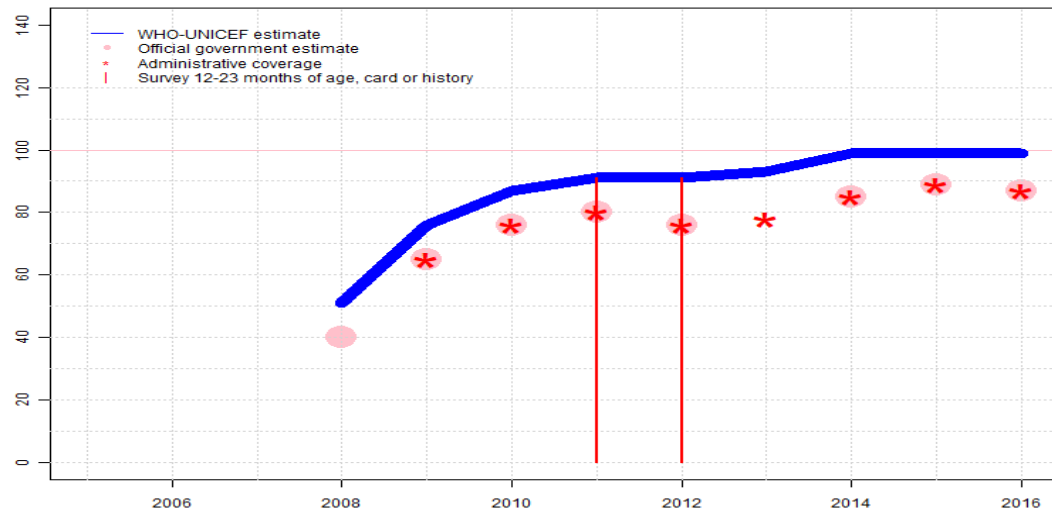
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Reported data calibrated to 2012 levels. GoC=No accepted empirical data
- 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2012 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2012 levels. Estimate challenged by: R-
- 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 93 percent based on 1 survey(s). Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 95 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2008: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2006 and 2011 levels. Estimate challenged by: R-
- 2006: Estimate based on coverage reported by national government supported by survey. Survey evidence of 91 percent based on 1 survey(s). Bolivia Demographic and Health Survey 2008 card or history results of 86 percent modified for recall bias to 91 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 75 percent and 3d dose card only coverage of 70 percent. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

Bolivia (Plurinational State of) - RotaC

BOL - RotaC



Description:

- 2016: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2015: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2012 levels. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2012 levels. Programme reports a one month stockout at the national level and in 10 districts. Estimate challenged by: R-
- 2012: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 91 percent based on 1 survey(s). Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 91 percent based on 1 survey(s). Estimate challenged by: R-
- 2010: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2009: Reported data calibrated to 2011 levels. Rotavirus vaccine introduced in 2008; reporting started in 2009. Estimate challenged by: R-S-
- 2008: Reported data calibrated to 2011 levels. Rotavirus vaccine introduced in 2008 Estimate challenged by: D-R-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	51	76	87	91	91	93	99	99	99
Estimate GoC	NA	NA	NA	•	•	•	•	•	•	•	•	•
Official	NA	NA	NA	40	65	76	80	76	NA	85	89	87
Administrative	NA	NA	NA	NA	65	76	80	76	78	85	89	87
Survey	NA	NA	NA	NA	NA	NA	91	91	NA	NA	NA	NA

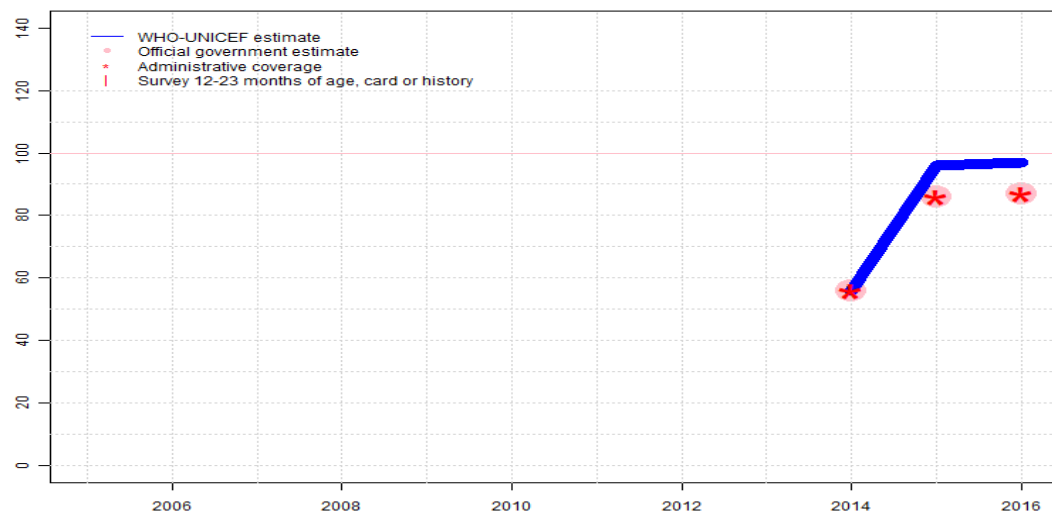
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Bolivia (Plurinational State of) - PcV3

BOL - PcV3



Description:

- 2016: Reported data calibrated to 2015 levels. Estimate challenged by: R-
- 2015: Estimate of 96 percent assigned by working group. Estimate is based on reported data adjusted by the difference between estimated and reported DTP3 coverage level. Estimate of 96 percent changed from previous revision value of 86 percent. Estimate challenged by: R-
- 2014: Pneumococcal conjugate vaccine introduced during 2014. Estimate is based on reported data. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	56	96	97
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	••	•	•
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	56	86	87
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	56	86	87
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

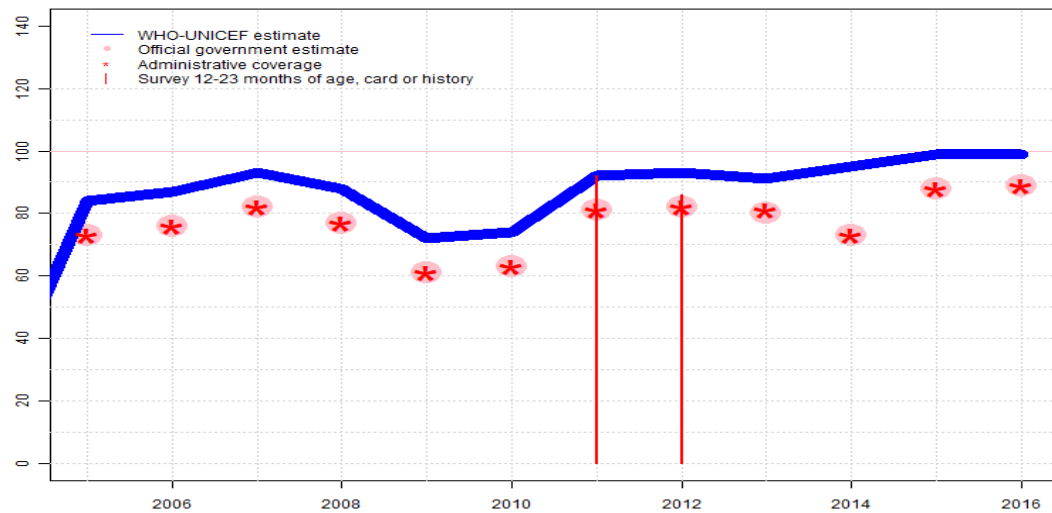
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 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.

Bolivia (Plurinational State of) - YFV

BOL - YFV



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	84	87	93	88	72	74	92	93	91	95	99	99
Estimate GoC	•	•	•	•	•	•	•	•	•	•	•	•
Official	73	76	82	77	61	63	81	82	80	73	88	89
Administrative	73	76	82	77	61	63	81	82	81	73	88	89
Survey	NA	NA	NA	NA	NA	NA	92	86	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: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-
- 2015: Reported data calibrated to 2011 levels. Estimate of 99 percent changed from previous revision value of 91 percent. Estimate challenged by: D-R-
- 2014: Reported data calibrated to 2011 levels. Reported data excluded. Programme reported a revised target population. Programme also reported a decrease in the number of children vaccinated compared to 2013 due in part to the ongoing implementation of a new information system. WHO and UNICEF recommend a revision of the coverage data time series with a consistent target population. Estimate of 95 percent changed from previous revision value of 91 percent. Estimate challenged by: D-R-
- 2013: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2012: Reported data calibrated to 2011 levels. Bolivia National Immunization Coverage Survey 2013 results ignored by working group. YFV is recommended at 12-23 months and therefore the survey result may not reflect doses received during the second year of life. Estimate challenged by: R-
- 2011: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 92 percent based on 1 survey(s). Full vaccine supply available. Estimate challenged by: R-
- 2010: Reported data calibrated to 2011 levels. Estimate challenged by: R-S-
- 2009: Reported data calibrated to 2011 levels. Decline attributed to 2 months vaccine shortage. Estimate challenged by: R-S-
- 2008: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2007: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2006: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- 2005: Reported data calibrated to 2011 levels. Estimate challenged by: R-

Bolivia (Plurinational State of) - survey details

2012 Bolivia Encuesta Nacional de Cobertura de Vacunacion ENCOVA 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	100	12-23 m	1069	-
DTP3	Card or History	93	12-23 m	1069	-
HepB3	Card or History	93	12-23 m	1069	-
Hib3	Card or History	93	12-23 m	1069	-
MCV1	Card or History	90	12-23 m	1069	-
Pol3	Card or History	93	12-23 m	1069	-
RotaC	Card or History	91	12-23 m	1069	-
YFV	Card or History	86	12-23 m	1069	-

2011 Bolivia Encuesta Nacional de Cobertura de Vacunacion ENCOVA 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	100	18-29 m	1060	-
DTP3	Card or History	95	18-29 m	1060	-
HepB3	Card or History	95	18-29 m	1060	-
Hib3	Card or History	95	18-29 m	1060	-
MCV1	Card or History	96	18-29 m	1060	-
Pol3	Card or History	95	18-29 m	1060	-
RotaC	Card or History	91	18-29 m	1060	-
YFV	Card or History	92	18-29 m	1060	-

2006 Bolivia Encuesta Nacional de Demografía y Salud 2008

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	76	18-29 m	1689	76
BCG	Card or History	98	18-29 m	1689	76
BCG	History	22	18-29 m	1689	76
DTP1	Card	75	18-29 m	1689	76
DTP1	Card or History	97	18-29 m	1689	76
DTP1	History	22	18-29 m	1689	76
DTP3	Card	70	18-29 m	1689	76
DTP3	Card or History	86	18-29 m	1689	76
DTP3	History	16	18-29 m	1689	76

HepB1	Card	75	18-29 m	1689	76
HepB1	Card or History	97	18-29 m	1689	76
HepB1	History	22	18-29 m	1689	76
HepB3	Card	70	18-29 m	1689	76
HepB3	Card or History	86	18-29 m	1689	76
HepB3	History	16	18-29 m	1689	76
Hib1	Card	75	18-29 m	1689	76
Hib1	Card or History	97	18-29 m	1689	76
Hib1	History	22	18-29 m	1689	76
Hib3	Card	70	18-29 m	1689	76
Hib3	Card or History	86	18-29 m	1689	76
Hib3	History	16	18-29 m	1689	76
MCV1	Card	68	18-29 m	1689	76
MCV1	Card or History	86	18-29 m	1689	76
MCV1	History	18	18-29 m	1689	76
Pol1	Card	75	18-29 m	1689	76
Pol1	Card or History	97	18-29 m	1689	76
Pol1	History	22	18-29 m	1689	76
Pol3	Card	70	18-29 m	1689	76
Pol3	Card or History	86	18-29 m	1689	76
Pol3	History	16	18-29 m	1689	76

2006 Encuesta de cobertura vacunal de SR 15-39 años y SRP en niños de 12-23 meses

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
MCV1	C or H <24 months	81	0-24 m	597	65

2005 Encuesta de cobertura vacunal de SR 15-39 años y SRP en niños de 12-23 meses

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
MCV1	Card	52	12-59 m	597	65
MCV1	Card or History	92	12-59 m	597	65
MCV1	History	40	12-59 m	597	65

2002 Encuesta Nacional de Demografía y Salud, ENDSA 2003

Bolivia (Plurinational State of) - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	76	12-23 m	1861	79
BCG	Card or History	93	12-23 m	1861	79
BCG	History	17	12-23 m	1861	79
DTP1	Card	77	12-23 m	1861	79
DTP1	Card or History	94	12-23 m	1861	79
DTP1	History	17	12-23 m	1861	79
DTP3	Card	63	12-23 m	1861	79
DTP3	Card or History	72	12-23 m	1861	79
DTP3	History	9	12-23 m	1861	79
MCV1	Card	54	12-23 m	1861	79
MCV1	Card or History	64	12-23 m	1861	79
MCV1	History	10	12-23 m	1861	79
Pol1	Card	77	12-23 m	1861	79
Pol1	Card or History	94	12-23 m	1861	79
Pol1	History	16	12-23 m	1861	79
Pol3	Card	63	12-23 m	1861	79
Pol3	Card or History	68	12-23 m	1861	79
Pol3	History	5	12-23 m	1861	79

1999 Bolivia, Encuesta de múltiples indicadores por conglomerados 2000 (MICS 2000), 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	49	12-23 m	642	54
BCG	Card or History	92	12-23 m	642	54
BCG	History	44	12-23 m	642	54
DTP1	Card	49	12-23 m	642	54
DTP1	Card or History	92	12-23 m	642	54
DTP1	History	43	12-23 m	642	54
DTP3	Card	41	12-23 m	642	54
DTP3	Card or History	72	12-23 m	642	54
DTP3	History	30	12-23 m	642	54
MCV1	Card	42	12-23 m	642	54
MCV1	Card or History	79	12-23 m	642	54

MCV1	History	37	12-23 m	642	54
Pol1	Card	49	12-23 m	642	54
Pol1	Card or History	92	12-23 m	642	54
Pol1	History	43	12-23 m	642	54
Pol3	Card	42	12-23 m	642	54
Pol3	Card or History	57	12-23 m	642	54
Pol3	History	15	12-23 m	642	54

1997 República de Bolivia, Encuesta Nacional de Demografía y Salud 1998

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	85	12-23 m	1275	40
BCG	Card	39	12-23 m	1275	40
BCG	Card or History	87	12-23 m	1275	40
BCG	History	49	12-23 m	1275	40
DTP1	C or H <12 months	78	12-23 m	1275	40
DTP1	Card	39	12-23 m	1275	40
DTP1	Card or History	82	12-23 m	1275	40
DTP1	History	43	12-23 m	1275	40
DTP3	C or H <12 months	41	12-23 m	1275	40
DTP3	Card	28	12-23 m	1275	40
DTP3	Card or History	49	12-23 m	1275	40
DTP3	History	21	12-23 m	1275	40
MCV1	C or H <12 months	12	12-23 m	1275	40
MCV1	Card	22	12-23 m	1275	40
MCV1	Card or History	51	12-23 m	1275	40
MCV1	History	29	12-23 m	1275	40
Pol1	C or H <12 months	81	12-23 m	1275	40
Pol1	Card	39	12-23 m	1275	40
Pol1	Card or History	84	12-23 m	1275	40
Pol1	History	46	12-23 m	1275	40
Pol3	C or H <12 months	32	12-23 m	1275	40
Pol3	Card	28	12-23 m	1275	40
Pol3	Card or History	39	12-23 m	1275	40
Pol3	History	12	12-23 m	1275	40

Bolivia (Plurinational State of) - 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