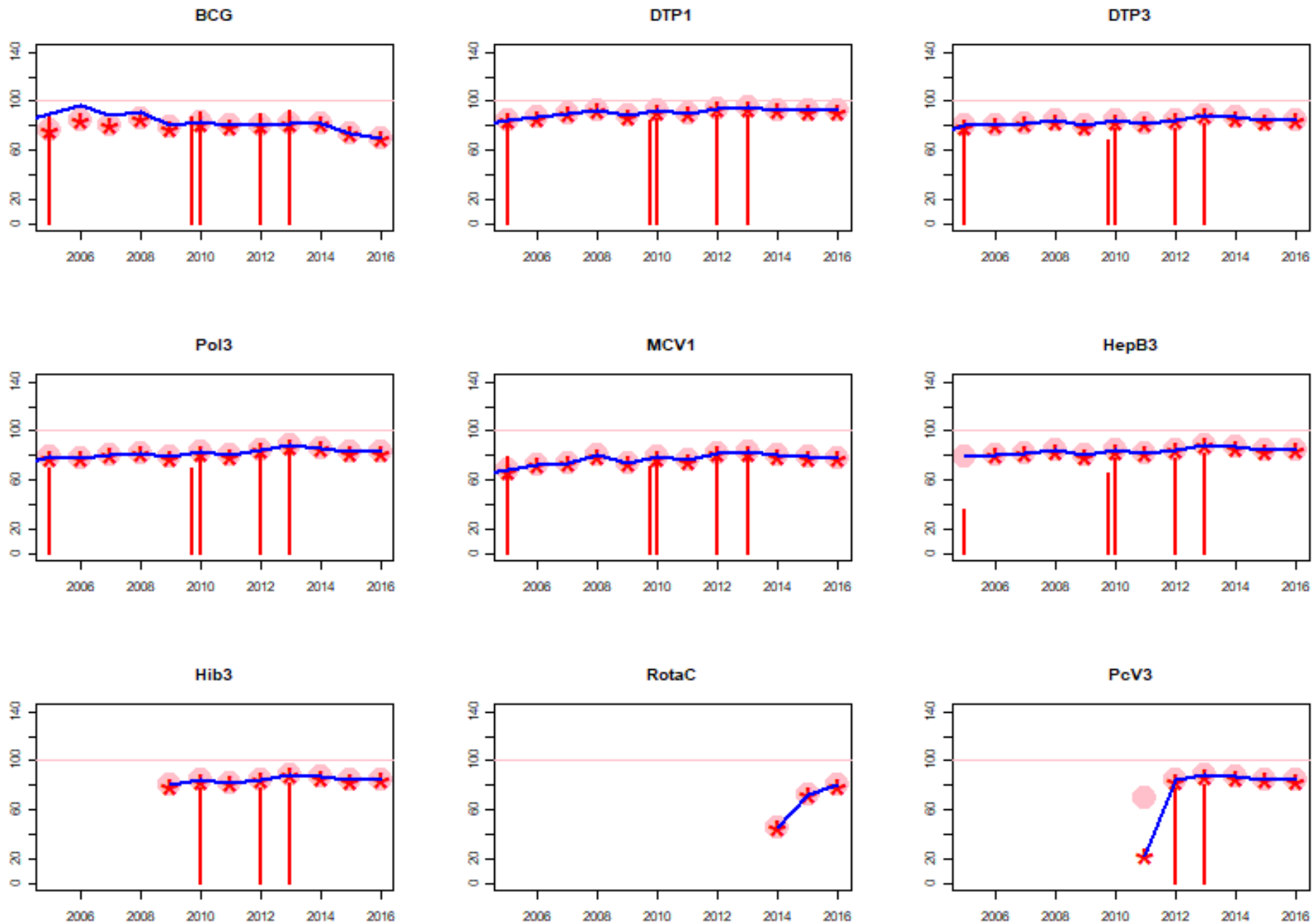


Cameroon: WHO and UNICEF estimates of immunization coverage: 2016 revision



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.

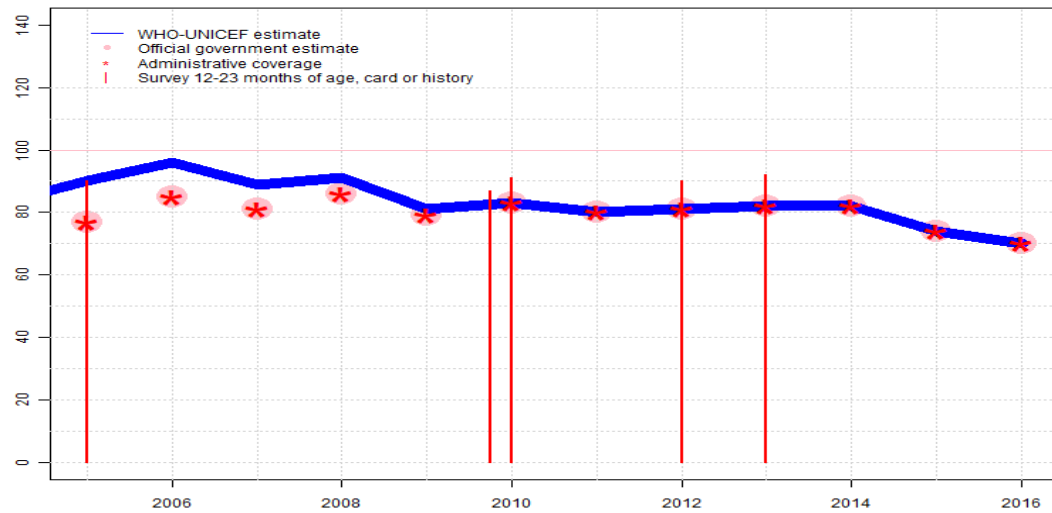
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect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

CMR - BCG



Description:

2016: Estimate based on coverage reported by national government. Estimate challenged by: D-
 2015: Estimate based on coverage reported by national government. Country reports district level stock-out. Estimate challenged by: D-S-
 2014: Estimate based on coverage reported by national government. Estimate challenged by: D-
 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 92 percent based on 1 survey(s). Estimate challenged by: D-
 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Estimate challenged by: D-S-
 2011: Estimate based on coverage reported by national government. Estimate challenged by: S-
 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 2 survey(s). Estimate challenged by: D-
 2009: Reported data calibrated to 2005 and 2010 levels. Estimate challenged by: R-
 2008: Reported data calibrated to 2005 and 2010 levels. Estimate challenged by: R-
 2007: Reported data calibrated to 2005 and 2010 levels. Estimate challenged by: R-
 2006: Reported data calibrated to 2005 and 2010 levels. Estimate challenged by: D-R-
 2005: Survey evidence does not support reported data. Estimate based on survey results. Survey evidence of 90 percent based on 1 survey(s). BCG estimates based on survey results. Denominator for BCG varies widely Estimate challenged by: R-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	90	96	89	91	81	83	80	81	82	82	74	70
Estimate GoC	●	●	●	●	●	●	●	●	●	●	●	●
Official	77	85	81	86	79	83	80	81	82	82	74	70
Administrative	77	85	81	86	79	83	80	81	82	82	74	70
Survey	90	NA	NA	NA	NA	*	NA	90	92	NA	NA	NA

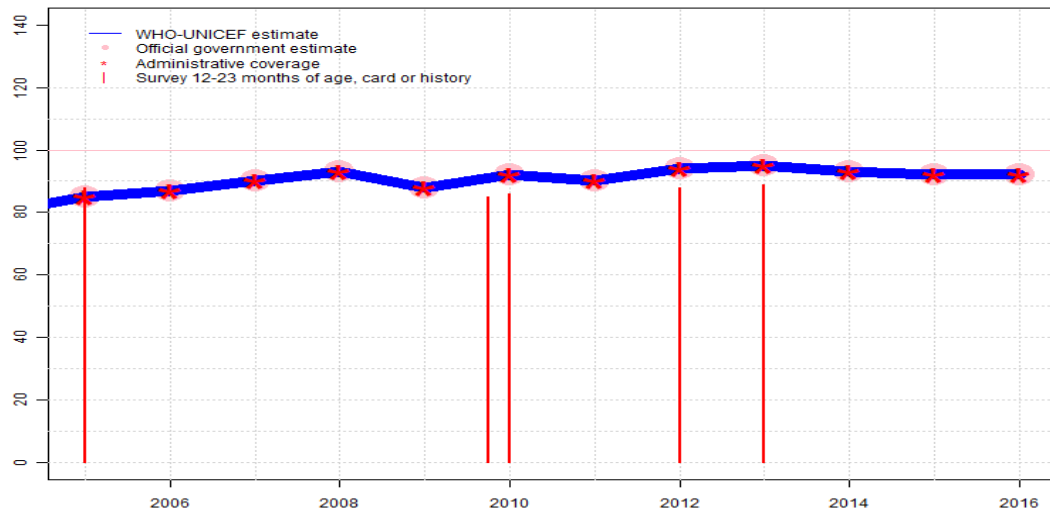
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - DTP1

CMR - 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+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 86 percent based on 2 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. 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. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	85	87	90	93	88	92	90	94	95	93	92	92
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●
Official	85	87	90	93	88	92	90	94	95	93	92	92
Administrative	85	87	90	93	88	92	90	94	95	93	92	92
Survey	88	NA	NA	NA	NA	*	NA	88	89	NA	NA	NA

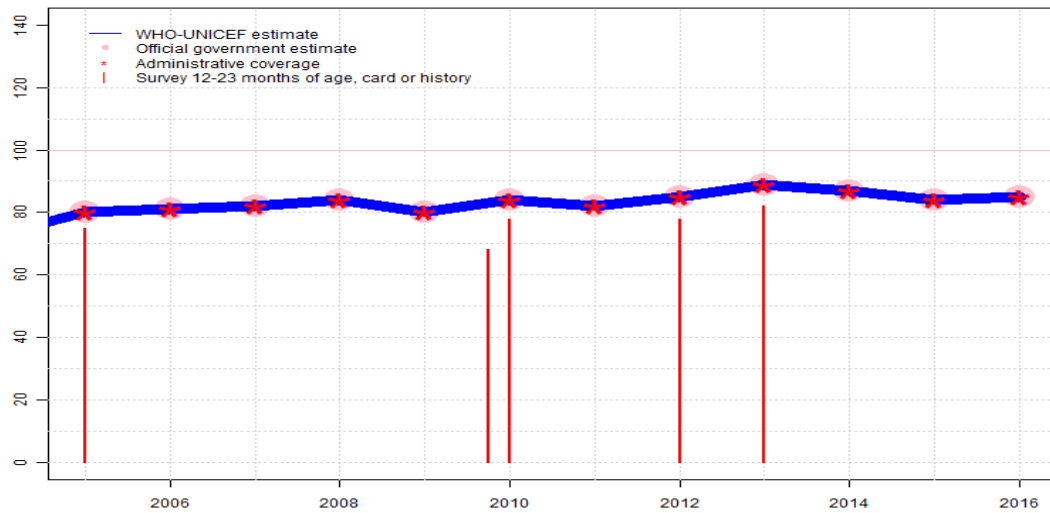
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - DTP3

CMR - DTP3



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 82 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 67 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 78 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 55 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 76 percent based on 2 survey(s). Cameroon Demographic and Health Survey 2011 card or history results of 68 percent modified for recall bias to 75 percent based on 1st dose card or history coverage of 86 percent, 1st dose card only coverage of 56 percent and 3d dose card only coverage of 49 percent. Cameroon Post-Campaign Vaccination Coverage Survey 2011 card or history results of 78 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 85 percent, 1st dose card only coverage of 54 percent and 3d dose card only coverage of 48 percent. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. 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. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 80 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2006 card or history results of 75 percent modified for recall bias to 80 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 65 percent and 3d dose card only coverage of 59 percent. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	80	81	82	84	80	84	82	85	89	87	84	85
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●
Official	80	81	82	84	80	84	82	85	89	87	84	85
Administrative	80	81	82	84	80	84	82	85	89	87	84	85
Survey	75	NA	NA	NA	NA	*	NA	78	82	NA	NA	NA

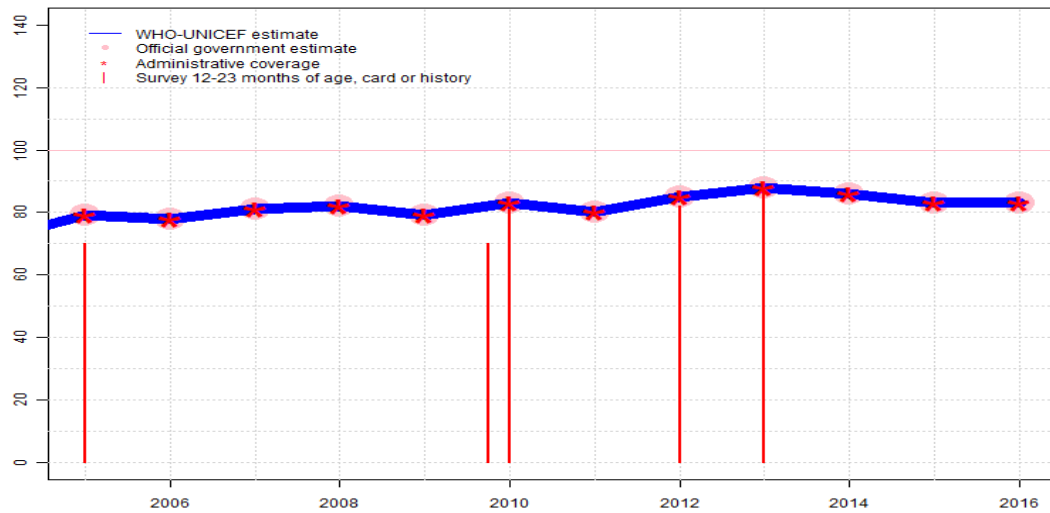
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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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Cameroon - Pol3

CMR - Pol3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	79	78	81	82	79	83	80	85	88	86	83	83
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●	●●●	●	●●
Official	79	78	81	82	79	83	80	85	88	86	83	83
Administrative	79	78	81	82	79	83	80	85	88	86	83	83
Survey	70	NA	NA	NA	NA	*	NA	82	87	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.

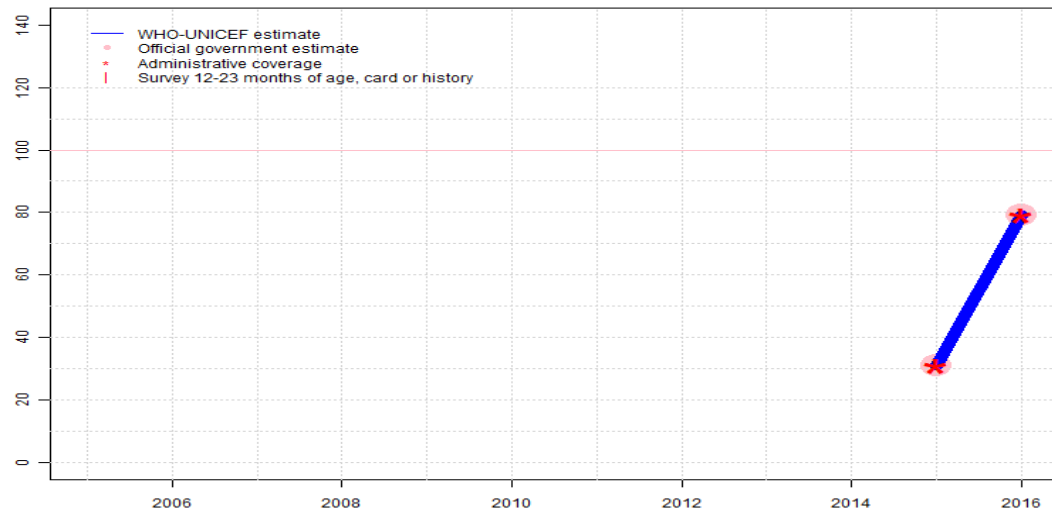
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Country reports district level stock-out. Estimate challenged by: S-
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 87 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 95 percent, 1st dose card only coverage of 66 percent and 3d dose card only coverage of 65 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 92 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 82 percent modified for recall bias to 92 percent based on 1st dose card or history coverage of 94 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 54 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 82 percent based on 2 survey(s). Cameroon Demographic and Health Survey 2011 card or history results of 70 percent modified for recall bias to 83 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 56 percent and 3d dose card only coverage of 50 percent. Cameroon Post-Campaign Vaccination Coverage Survey 2011 card or history results of 81 percent modified for recall bias to 80 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 50 percent. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. 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. GoC=R+ S+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government supported by survey. Survey evidence of 80 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2006 card or history results of 70 percent modified for recall bias to 80 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 65 percent and 3d dose card only coverage of 56 percent. GoC=R+ S+ D+

Cameroon - IPV1

CMR - IPV1



Description:

2016: Estimate based on coverage reported by national government. Programme reports 3 months stock-out. GoC=R+ D+

2015: Estimate based on coverage reported by national government. IPV introduced during 2015. 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	NA	31	79
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	••	••
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	79
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	79
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

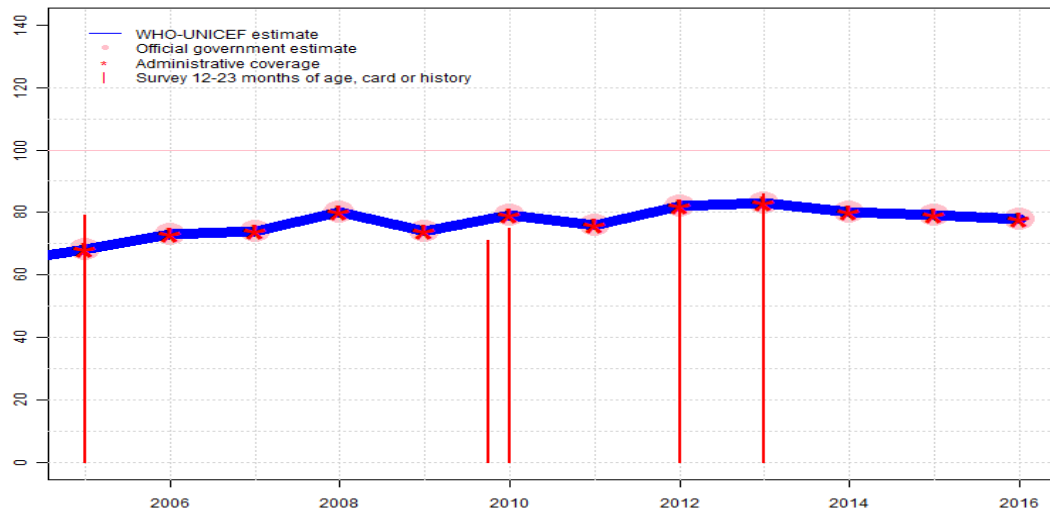
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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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Cameroon - MCV1

CMR - MCV1



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: 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+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 84 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 73 percent based on 2 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. 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. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2005: Estimate based on coverage reported by national government. Cameroon Multiple Indicator Cluster Survey 2006 results ignored by working group. Survey results most likely contain immunizations administered during measles campaigns. GoC=R+ S+ D+

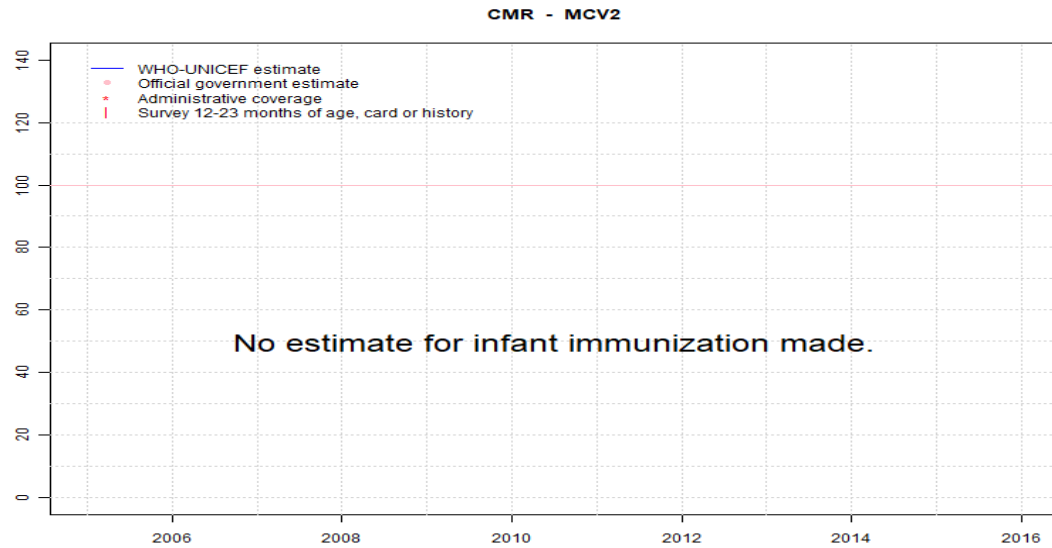
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	68	73	74	80	74	79	76	82	83	80	79	78
Estimate GoC	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●
Official	68	73	74	80	74	79	76	82	83	80	79	78
Administrative	68	73	74	80	74	79	76	82	83	80	79	78
Survey	79	NA	NA	NA	NA	*	NA	84	86	NA	NA	NA

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.

Cameroon - MCV2



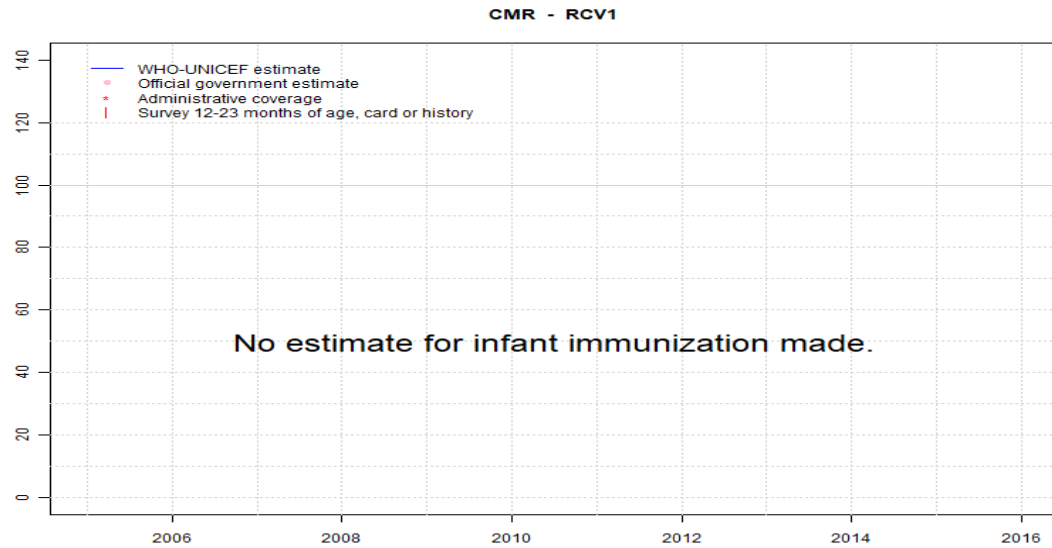
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

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.

Cameroon - RCV1



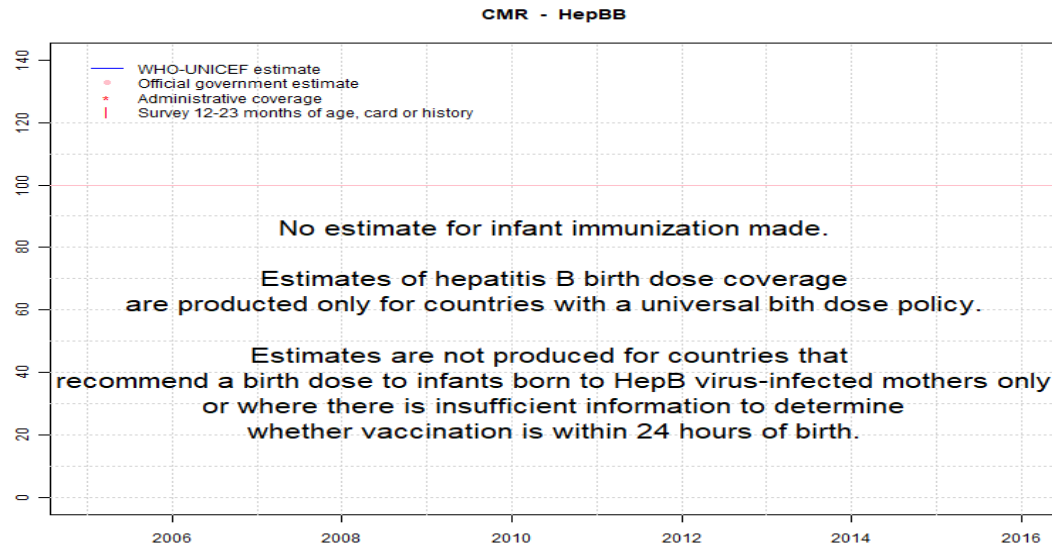
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

Cameroon - 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

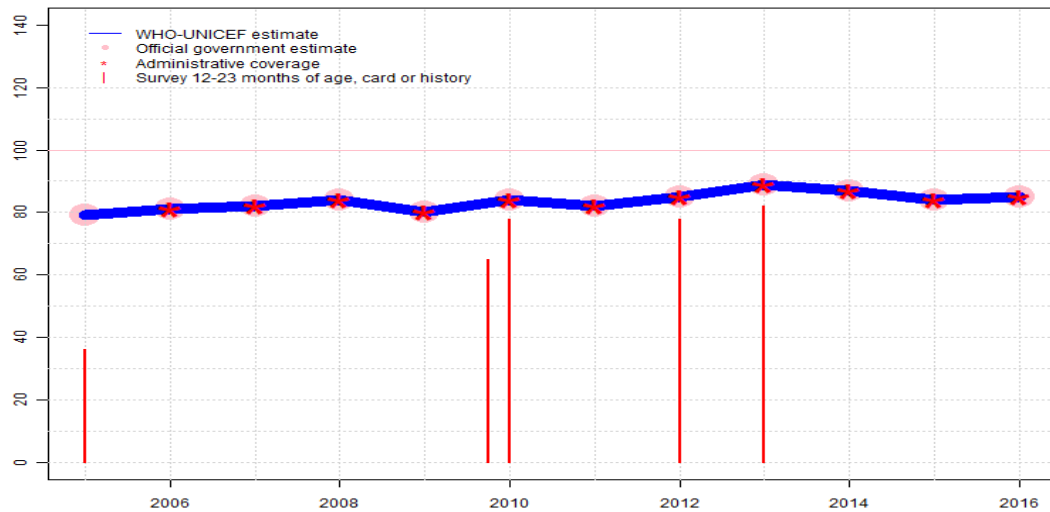
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - HepB3

CMR - HepB3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	79	81	82	84	80	84	82	85	89	87	84	85
Estimate GoC	••	••	••	••	••	•••	•••	•••	•••	•••	•••	••
Official	79	81	82	84	80	84	82	85	89	87	84	85
Administrative	NA	81	82	84	80	84	82	85	89	87	84	85
Survey	36	NA	NA	NA	NA	*	NA	78	82	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.

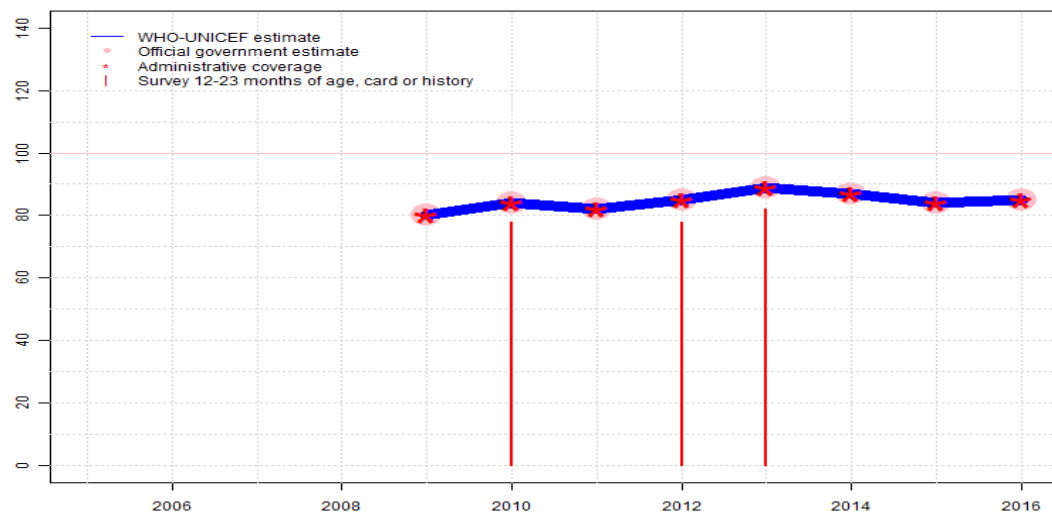
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 82 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 67 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 78 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 55 percent. GoC=R+ S+ D+
- 2011: Estimate based on reported data. GoC=R+ S+ D+
- 2010: Estimate based on reported data. Cameroon Demographic and Health Survey 2011 results ignored by working group. Survey results inconsistent with vaccine presentation. HepB is given only in DTP-HepB-Hib combination vaccine. Cameroon Post-Campaign Vaccination Coverage Survey 2011 results ignored by working group. Survey results inconsistent with vaccine presentation. HepB is given only in DTP-HepB-Hib combination vaccine. Cameroon Demographic and Health Survey 2011 card or history results of 65 percent modified for recall bias to 71 percent based on 1st dose card or history coverage of 80 percent, 1st dose card only coverage of 54 percent and 3d dose card only coverage of 48 percent. Cameroon Post-Campaign Vaccination Coverage Survey 2011 card or history results of 78 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 85 percent, 1st dose card only coverage of 54 percent and 3d dose card only coverage of 48 percent. GoC=R+ S+ D+
- 2009: Estimate based on reported data. GoC=R+ D+
- 2008: Estimate based on reported data. GoC=R+ D+
- 2007: Estimate based on reported data. GoC=R+ D+
- 2006: Estimate based on reported data. GoC=R+
- 2005: Estimate based on reported data. Cameroon Multiple Indicator Cluster Survey 2006 results ignored by working group. Survey results ignored in the first year of vaccine introduction. Cameroon Multiple Indicator Cluster Survey 2006 card or history results of 36 percent modified for recall bias to 35 percent based on 1st dose card or history coverage of 40 percent, 1st dose card only coverage of 35 percent and 3d dose card only coverage of 31 percent. HepB vaccine introduced in 2005. Vaccine presentation is DTP-HepB. GoC=R+

Cameroon - Hib3

CMR - Hib3



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 82 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 67 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 78 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 55 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 76 percent based on 1 survey(s). Cameroon Post-Campaign Vaccination Coverage Survey 2011 card or history results of 78 percent modified for recall bias to 76 percent based on 1st dose card or history coverage of 85 percent, 1st dose card only coverage of 54 percent and 3d dose card only coverage of 48 percent. GoC=R+ S+ D+
- 2009: Estimate based on reported data. Hib vaccine introduced in 2009. Vaccine presentation is DTP-HepB-Hib. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	80	84	82	85	89	87	84	85
Estimate GoC	NA	NA	NA	NA	●●	●●	●●	●●	●●	●●	●●	●●
Official	NA	NA	NA	NA	80	84	82	85	89	87	84	85
Administrative	NA	NA	NA	NA	80	84	82	85	89	87	84	85
Survey	NA	NA	NA	NA	NA	78	NA	78	82	NA	NA	NA

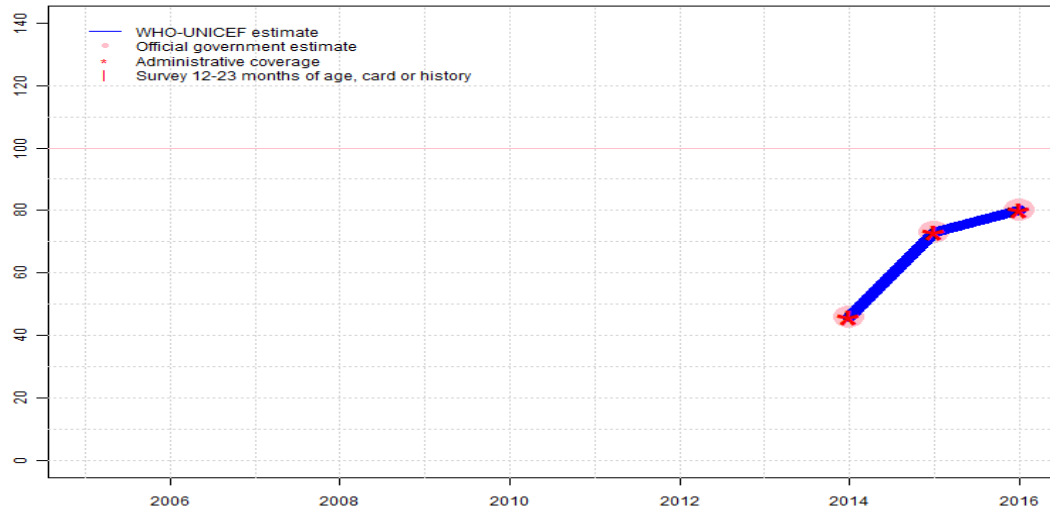
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - RotaC

CMR - RotaC



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. Rotavirus vaccine introduced during 2014. 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	46	73	80
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	73	80
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	46	73	80
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

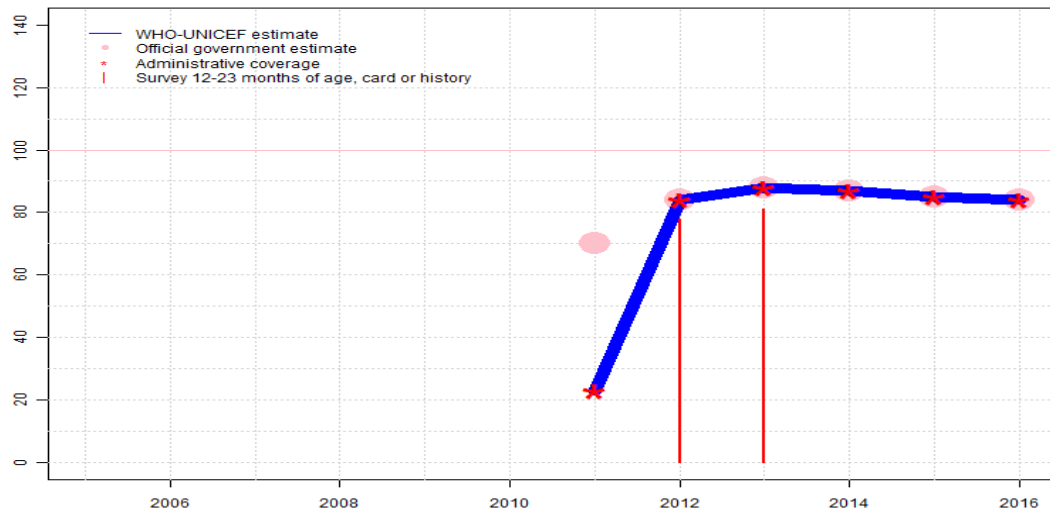
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - PcV3

CMR - PcV3



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 87 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 81 percent modified for recall bias to 87 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 66 percent and 3d dose card only coverage of 65 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 86 percent based on 1 survey(s). Cameroon Multiple Indicator Cluster Survey 2014 card or history results of 78 percent modified for recall bias to 86 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 55 percent and 3d dose card only coverage of 54 percent. GoC=R+ S+ D+
- 2011: Pneumococcal conjugate vaccine was introduced in 2011. During 2011, 70 percent coverage was achieved during the second half of 2011. WHO and UNICEF estimate is based on annualized coverage for the national target population. Estimate challenged by: R-S-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	23	84	88	87	85	84
Estimate GoC	NA	NA	NA	NA	NA	NA	•	•••	•••	•••	•••	••
Official	NA	NA	NA	NA	NA	NA	70	84	88	87	85	84
Administrative	NA	NA	NA	NA	NA	NA	23	84	88	87	85	84
Survey	NA	NA	NA	NA	NA	NA	NA	78	81	NA	NA	NA

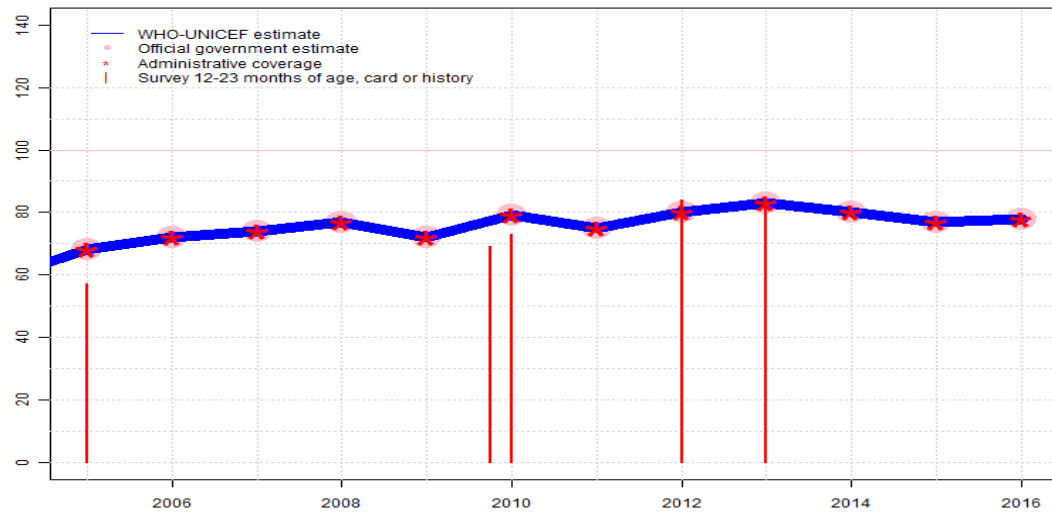
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

Cameroon - YFV

CMR - YFV



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 85 percent based on 1 survey(s). GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 84 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 71 percent based on 2 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. 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: S-
- 2006: Estimate based on coverage reported by national government. Estimate challenged by: S-
- 2005: Estimate based on reported data. Survey supports nationally reported data for other antigens. Estimate challenged by: S-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	68	72	74	77	72	79	75	80	83	80	77	78
Estimate GoC	•	•	•	•••	•••	•••	•••	•••	•••	•••	•••	••
Official	68	72	74	77	72	79	75	80	83	80	77	78
Administrative	68	72	74	77	72	79	75	80	83	80	77	78
Survey	57	NA	NA	NA	NA	*	NA	84	85	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.

Cameroon - survey details

2013 Cameroun: Enquete par grappes a indicateurs multiples (MICS) 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	91	12-23 m	1391	67
BCG	Card	66	12-23 m	1391	67
BCG	Card or History	92	12-23 m	1391	67
DTP1	C or H <12 months	88	12-23 m	1391	67
DTP1	Card	67	12-23 m	1391	67
DTP1	Card or History	89	12-23 m	1391	67
DTP3	C or H <12 months	80	12-23 m	1391	67
DTP3	Card	66	12-23 m	1391	67
DTP3	Card or History	82	12-23 m	1391	67
HepB1	C or H <12 months	88	12-23 m	1391	67
HepB1	Card	67	12-23 m	1391	67
HepB1	Card or History	89	12-23 m	1391	67
HepB3	C or H <12 months	80	12-23 m	1391	67
HepB3	Card	66	12-23 m	1391	67
HepB3	Card or History	82	12-23 m	1391	67
Hib1	C or H <12 months	88	12-23 m	1391	67
Hib1	Card	67	12-23 m	1391	67
Hib1	Card or History	89	12-23 m	1391	67
Hib3	C or H <12 months	80	12-23 m	1391	67
Hib3	Card	66	12-23 m	1391	67
Hib3	Card or History	82	12-23 m	1391	67
MCV1	C or H <12 months	80	12-23 m	1391	67
MCV1	Card	63	12-23 m	1391	67
MCV1	Card or History	86	12-23 m	1391	67
PCV1	C or H <12 months	86	12-23 m	1391	67
PCV1	Card	66	12-23 m	1391	67
PCV1	Card or History	88	12-23 m	1391	67
PCV3	C or H <12 months	79	12-23 m	1391	67
PCV3	Card	65	12-23 m	1391	67
PCV3	Card or History	81	12-23 m	1391	67
Pol1	C or H <12 months	94	12-23 m	1391	67
Pol1	Card	66	12-23 m	1391	67
Pol1	Card or History	95	12-23 m	1391	67
Pol3	C or H <12 months	84	12-23 m	1391	67
Pol3	Card	65	12-23 m	1391	67
Pol3	Card or History	87	12-23 m	1391	67
YFV	C or H <12 months	80	12-23 m	1391	67

YFV	Card	64	12-23 m	1391	67
YFV	Card or History	85	12-23 m	1391	67

2012 Cameroun: Enquete par grappes a indicateurs multiples (MICS) 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	88	24-35 m	1396	67
BCG	Card	55	24-35 m	1396	67
BCG	Card or History	90	24-35 m	1396	67
DTP1	C or H <12 months	86	24-35 m	1396	67
DTP1	Card	55	24-35 m	1396	67
DTP1	Card or History	88	24-35 m	1396	67
DTP3	C or H <12 months	74	24-35 m	1396	67
DTP3	Card	55	24-35 m	1396	67
DTP3	Card or History	78	24-35 m	1396	67
HepB1	C or H <12 months	86	24-35 m	1396	67
HepB1	Card	55	24-35 m	1396	67
HepB1	Card or History	88	24-35 m	1396	67
HepB3	C or H <12 months	74	24-35 m	1396	67
HepB3	Card	55	24-35 m	1396	67
HepB3	Card or History	78	24-35 m	1396	67
Hib1	C or H <12 months	86	24-35 m	1396	67
Hib1	Card	55	24-35 m	1396	67
Hib1	Card or History	88	24-35 m	1396	67
Hib3	C or H <12 months	74	24-35 m	1396	67
Hib3	Card	55	24-35 m	1396	67
Hib3	Card or History	78	24-35 m	1396	67
MCV1	C or H <12 months	75	24-35 m	1396	67
MCV1	Card	53	24-35 m	1396	67
MCV1	Card or History	84	24-35 m	1396	67
PCV1	C or H <12 months	85	24-35 m	1396	67
PCV1	Card	55	24-35 m	1396	67
PCV1	Card or History	88	24-35 m	1396	67
PCV3	C or H <12 months	74	24-35 m	1396	67
PCV3	Card	54	24-35 m	1396	67
PCV3	Card or History	78	24-35 m	1396	67
Pol1	C or H <12 months	92	24-35 m	1396	67
Pol1	Card	55	24-35 m	1396	67
Pol1	Card or History	94	24-35 m	1396	67

Cameroon - survey details

Pol3	C or H <12 months	77	24-35 m	1396	67
Pol3	Card	54	24-35 m	1396	67
Pol3	Card or History	82	24-35 m	1396	67
YFV	C or H <12 months	75	24-35 m	1396	67
YFV	Card	54	24-35 m	1396	67
YFV	Card or History	84	24-35 m	1396	67

Pol3	C or H <12 months	68	12-23 m	2265	57
Pol3	Card	50	12-23 m	1291	57
Pol3	Card or History	70	12-23 m	2265	57
Pol3	History	20	12-23 m	974	57
YFV	C or H <12 months	62	12-23 m	2265	57
YFV	Card	44	12-23 m	1291	57
YFV	Card or History	69	12-23 m	2265	57
YFV	History	25	12-23 m	974	57

2010 Enquête Démographique et de Santé et à Indicateurs Multiples EDS-MICS Cameroun, 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	86	12-23 m	2265	57
BCG	Card	55	12-23 m	1291	57
BCG	Card or History	87	12-23 m	2265	57
BCG	History	32	12-23 m	974	57
DTP1	C or H <12 months	85	12-23 m	2265	57
DTP1	Card	56	12-23 m	1291	57
DTP1	Card or History	86	12-23 m	2265	57
DTP1	History	30	12-23 m	974	57
DTP3	C or H <12 months	66	12-23 m	2265	57
DTP3	Card	49	12-23 m	1291	57
DTP3	Card or History	68	12-23 m	2265	57
DTP3	History	19	12-23 m	974	57
HepB1	C or H <12 months	79	12-23 m	2265	57
HepB1	Card	54	12-23 m	1291	57
HepB1	Card or History	80	12-23 m	2265	57
HepB1	History	26	12-23 m	974	57
HepB3	C or H <12 months	63	12-23 m	2265	57
HepB3	Card	48	12-23 m	1291	57
HepB3	Card or History	65	12-23 m	2265	57
HepB3	History	16	12-23 m	974	57
MCV1	C or H <12 months	64	12-23 m	2265	57
MCV1	Card	45	12-23 m	1291	57
MCV1	Card or History	71	12-23 m	2265	57
MCV1	History	26	12-23 m	974	57
Pol1	C or H <12 months	92	12-23 m	2265	57
Pol1	Card	56	12-23 m	1291	57
Pol1	Card or History	93	12-23 m	2265	57
Pol1	History	37	12-23 m	974	57

2010 Enquete post campagne de vaccination au Cameroun en 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	88	12-23 m	-	63
BCG	Card	56	12-23 m	-	63
BCG	Card or History	91	12-23 m	721	63
BCG	History	35	12-23 m	-	63
DTP1	C or H <12 months	84	12-23 m	-	63
DTP1	Card	54	12-23 m	-	63
DTP1	Card or History	85	12-23 m	721	63
DTP1	History	31	12-23 m	-	63
DTP3	C or H <12 months	77	12-23 m	-	63
DTP3	Card	48	12-23 m	-	63
DTP3	Card or History	78	12-23 m	721	63
DTP3	History	30	12-23 m	-	63
HepB1	C or H <12 months	84	12-23 m	-	63
HepB1	Card	54	12-23 m	-	63
HepB1	Card or History	85	12-23 m	721	63
HepB1	History	31	12-23 m	-	63
HepB3	C or H <12 months	77	12-23 m	-	63
HepB3	Card	48	12-23 m	-	63
HepB3	Card or History	78	12-23 m	721	63
HepB3	History	30	12-23 m	-	63
Hib1	C or H <12 months	84	12-23 m	-	63
Hib1	Card	54	12-23 m	-	63
Hib1	Card or History	85	12-23 m	721	63
Hib1	History	31	12-23 m	-	63
Hib3	C or H <12 months	77	12-23 m	-	63
Hib3	Card	48	12-23 m	-	63
Hib3	Card or History	78	12-23 m	721	63

Cameroon - survey details

Hib3	History	30	12-23 m	-	63	HepB3	History	5	12-23 m	1320	66
MCV1	C or H <12 months	74	12-23 m	-	63	MCV1	C or H <12 months	72	12-23 m	1320	66
MCV1	Card	48	12-23 m	-	63	MCV1	Card	50	12-23 m	1320	66
MCV1	Card or History	75	12-23 m	721	63	MCV1	Card or History	79	12-23 m	1320	66
MCV1	History	27	12-23 m	-	63	MCV1	History	29	12-23 m	1320	66
Pol1	C or H <12 months	85	12-23 m	-	63	Pol1	C or H <12 months	92	12-23 m	1320	66
Pol1	Card	55	12-23 m	-	63	Pol1	Card	65	12-23 m	1320	66
Pol1	Card or History	88	12-23 m	721	63	Pol1	Card or History	93	12-23 m	1320	66
Pol1	History	32	12-23 m	-	63	Pol1	History	28	12-23 m	1320	66
Pol3	C or H <12 months	76	12-23 m	-	63	Pol3	C or H <12 months	67	12-23 m	1320	66
Pol3	Card	50	12-23 m	-	63	Pol3	Card	56	12-23 m	1320	66
Pol3	Card or History	81	12-23 m	721	63	Pol3	Card or History	70	12-23 m	1320	66
Pol3	History	31	12-23 m	-	63	Pol3	History	14	12-23 m	1320	66
YFV	Card	27	12-23 m	-	63	YFV	C or H <12 months	54	12-23 m	1320	66
YFV	Card or History	73	12-23 m	721	63	YFV	Card	44	12-23 m	1320	66
YFV	History	46	12-23 m	-	63	YFV	Card or History	57	12-23 m	1320	66
						YFV	History	14	12-23 m	2834	66

2005 Cameroun, Enquête par grappes à indicateurs multiples 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	89	12-23 m	1320	66
BCG	Card	65	12-23 m	1320	66
BCG	Card or History	90	12-23 m	1320	66
BCG	History	25	12-23 m	1320	66
DTP1	C or H <12 months	87	12-23 m	1320	66
DTP1	Card	65	12-23 m	1320	66
DTP1	Card or History	88	12-23 m	1320	66
DTP1	History	23	12-23 m	1320	66
DTP3	C or H <12 months	72	12-23 m	1320	66
DTP3	Card	59	12-23 m	1320	66
DTP3	Card or History	75	12-23 m	1320	66
DTP3	History	16	12-23 m	1320	66
HepB1	C or H <12 months	39	12-23 m	1320	66
HepB1	Card	35	12-23 m	1320	66
HepB1	Card or History	40	12-23 m	1320	66
HepB1	History	5	12-23 m	1320	66
HepB3	C or H <12 months	34	12-23 m	1320	66
HepB3	Card	31	12-23 m	1320	66
HepB3	Card or History	36	12-23 m	1320	66

2004 Enquête nationale de couverture vaccinale des enfants de 12 à 23 mois au Cameroun

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	51	12-23 m	3520	52
BCG	Card or History	90	12-23 m	3520	52
DTP1	Card	50	12-23 m	3520	52
DTP1	Card or History	84	12-23 m	3520	52
DTP3	Card	45	12-23 m	3520	52
DTP3	Card or History	74	12-23 m	3520	52
MCV1	Card	40	12-23 m	3520	52
MCV1	Card or History	71	12-23 m	3520	52
Pol1	Card	50	12-23 m	3520	52
Pol1	Card or History	88	12-23 m	3520	52
Pol3	Card	45	12-23 m	3520	52
Pol3	Card or History	73	12-23 m	3520	52
YFV	Card	38	12-23 m	3520	52
YFV	Card or History	68	12-23 m	3520	52

2003 L'Enquête Démographique et de Santé au Cameroun

Cameroon - survey details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	85	12-23 m	1546	57
BCG	Card	56	12-23 m	1546	57
BCG	Card or history	86	12-23 m	1546	57
BCG	History	30	12-23 m	1546	57
DTP1	C or H <12 months	81	12-23 m	1546	57
DTP1	Card	56	12-23 m	1546	57
DTP1	Card or history	83	12-23 m	1546	57
DTP1	History	27	12-23 m	1546	57
DTP3	C or H <12 months	63	12-23 m	1546	57
DTP3	Card	50	12-23 m	1546	57
DTP3	Card or history	65	12-23 m	1546	57
DTP3	History	16	12-23 m	1546	57
MCV1	C or H <12 months	56	12-23 m	1546	57
MCV1	Card	44	12-23 m	1546	57
MCV1	Card or history	65	12-23 m	1546	57
MCV1	History	21	12-23 m	1546	57
Pol1	C or H <12 months	91	12-23 m	1546	57
Pol1	Card	56	12-23 m	1546	57
Pol1	Card or history	93	12-23 m	1546	57
Pol1	History	37	12-23 m	1546	57
Pol3	C or H <12 months	65	12-23 m	1546	57
Pol3	Card	50	12-23 m	1546	57
Pol3	Card or history	67	12-23 m	1546	57
Pol3	History	17	12-23 m	1546	57
YFV	C or H <12 months	7	12-23 m	1546	57
YFV	Card	7	12-23 m	1546	57
YFV	Card or history	12	12-23 m	1546	57
YFV	History	5	12-23 m	1546	57

1999 Enquête à Indicateurs Multiples (MICS) au Cameroun 2000, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	76	12-23 m	661	49
BCG	Card	41	12-23 m	661	49
BCG	Card or History	78	12-23 m	661	49
BCG	History	37	12-23 m	661	49
DTP1	C or H <12 months	66	12-23 m	661	49

DTP1	Card	42	12-23 m	661	49
DTP1	Card or History	69	12-23 m	661	49
DTP1	History	27	12-23 m	661	49
DTP3	C or H <12 months	43	12-23 m	661	49
DTP3	Card	36	12-23 m	661	49
DTP3	Card or History	45	12-23 m	661	49
DTP3	History	9	12-23 m	661	49
MCV1	C or H <12 months	56	12-23 m	661	49
MCV1	Card	33	12-23 m	661	49
MCV1	Card or History	62	12-23 m	661	49
MCV1	History	29	12-23 m	661	49
Pol1	C or H <12 months	83	12-23 m	661	49
Pol1	Card	42	12-23 m	661	49
Pol1	Card or History	86	12-23 m	661	49
Pol1	History	44	12-23 m	661	49
Pol3	C or H <12 months	47	12-23 m	661	49
Pol3	Card	35	12-23 m	661	49
Pol3	Card or History	50	12-23 m	661	49
Pol3	History	14	12-23 m	661	49

1997 Enquête Démographique et de Santé Cameroun 1998, 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	72	12-23 m	748	55
BCG	Card	50	12-23 m	748	55
BCG	Card or History	75	12-23 m	748	55
BCG	History	25	12-23 m	748	55
DTP1	C or H <12 months	70	12-23 m	748	55
DTP1	Card	52	12-23 m	748	55
DTP1	Card or History	73	12-23 m	748	55
DTP1	History	21	12-23 m	748	55
DTP3	C or H <12 months	46	12-23 m	748	55
DTP3	Card	42	12-23 m	748	55
DTP3	Card or History	50	12-23 m	748	55
DTP3	History	9	12-23 m	748	55
MCV1	C or H <12 months	44	12-23 m	748	55
MCV1	Card	39	12-23 m	748	55
MCV1	Card or History	54	12-23 m	748	55
MCV1	History	16	12-23 m	748	55

Cameroon - survey details

Pol1	C or H <12 months	80	12-23 m	748	55	Pol3	Card or History	47	12-23 m	748	55
Pol1	Card	52	12-23 m	748	55	Pol3	History	5	12-23 m	748	55
Pol1	Card or History	84	12-23 m	748	55	YFV	C or H <12 months	4	12-23 m	748	55
Pol1	History	32	12-23 m	748	55	YFV	Card	2	12-23 m	748	55
Pol3	C or H <12 months	42	12-23 m	748	55	YFV	Card or History	6	12-23 m	748	55
Pol3	Card	42	12-23 m	748	55						

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