

**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.

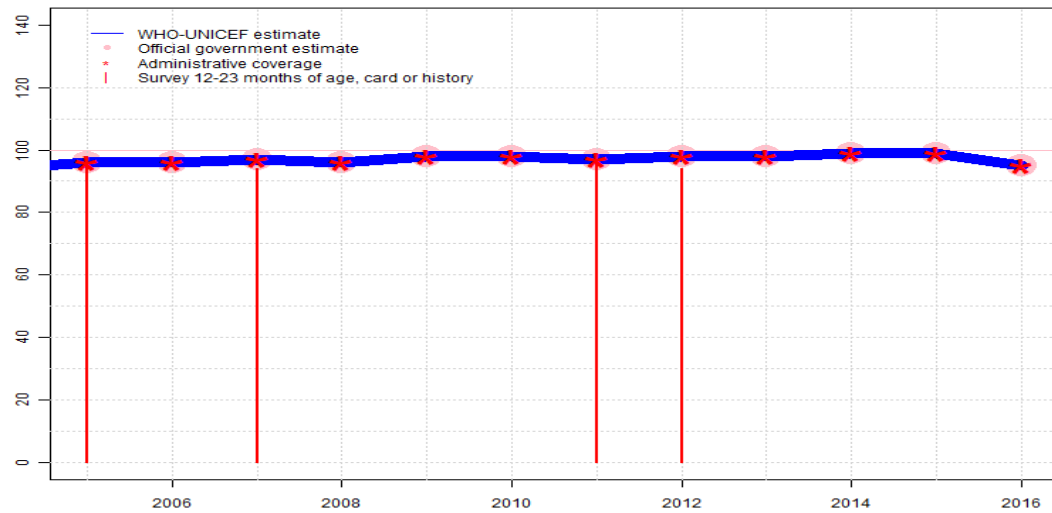
**PcV3:** percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect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

GUY - BCG



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	96	96	97	96	98	98	97	98	98	99	99	95
Estimate GoC	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	96	96	97	96	98	98	97	98	98	99	99	95
Administrative	96	96	97	96	98	98	97	98	98	99	99	95
Survey	98	NA	94	NA	NA	NA	97	94	NA	NA	NA	NA

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

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

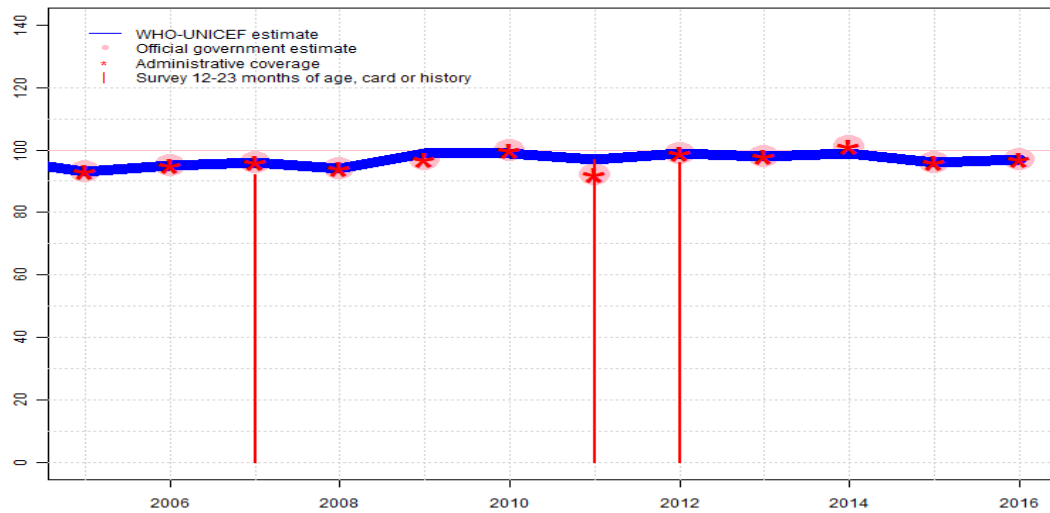
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Programme reports national level stock-out of less than one month. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. 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 98 percent based on 1 survey(s). GoC=R+ S+ D+

# Guyana - DTP1

GUY - DTP1



## Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: DTP1 coverage estimated based on DTP3 coverage of 98. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: DTP1 coverage estimated based on DTP3 coverage of 93. Estimate challenged by: R-
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: R-
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	95	96	94	99	99	97	99	98	99	96	97
Estimate GoC	••	••	••	••	•	•••	•	•••	•••	•	••	••
Official	93	95	96	94	97	100	92	99	98	101	96	97
Administrative	93	95	96	94	97	100	92	99	98	101	96	97
Survey	NA	NA	92	NA	NA	NA	97	96	NA	NA	NA	NA

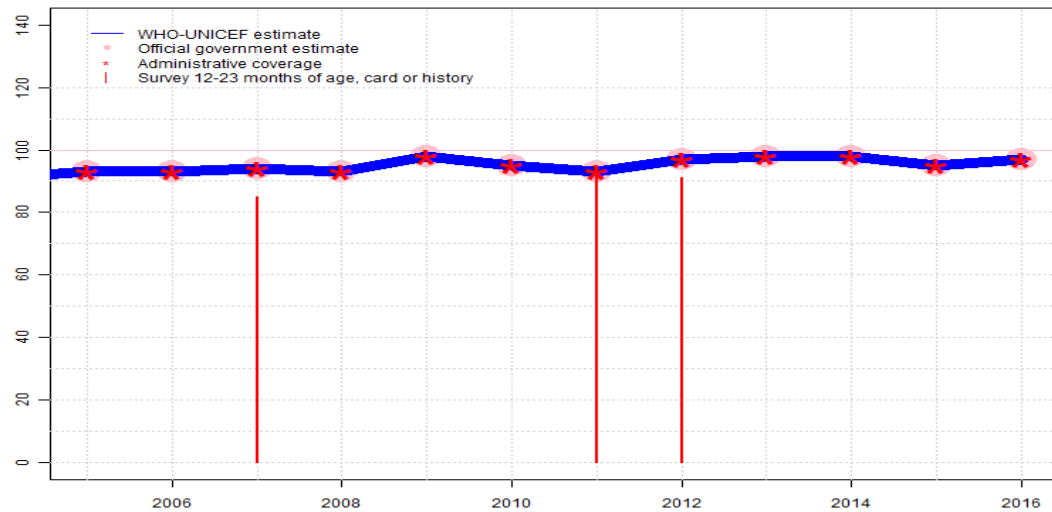
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Guyana - DTP3

GUY - DTP3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	93	94	93	98	95	93	97	98	98	95	97
Estimate GoC	●●	●●	●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	93	93	94	93	98	95	93	97	98	98	95	97
Administrative	93	93	94	93	98	95	93	97	98	98	95	97
Survey	NA	NA	85	NA	NA	NA	95	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.

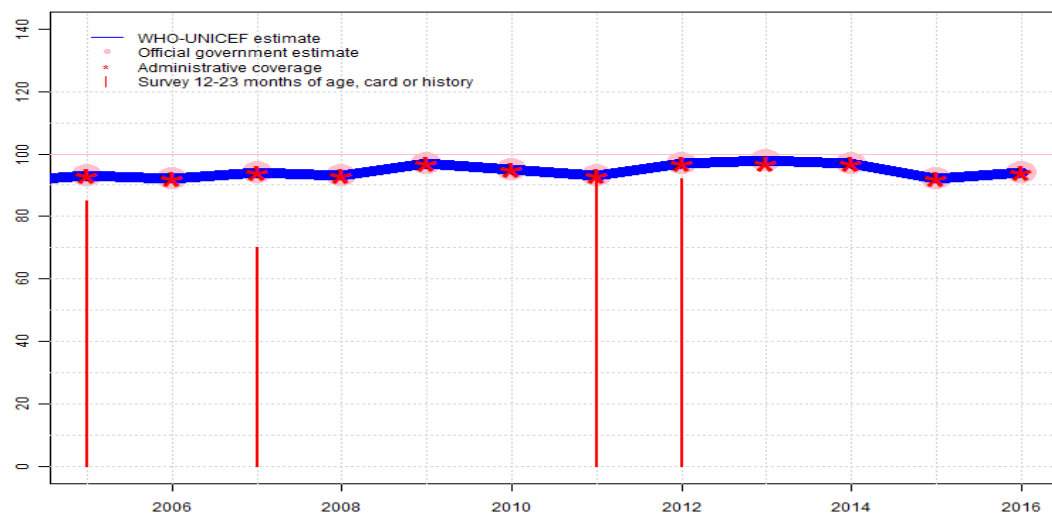
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 91 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. Guyana Demographic and Health Survey 2009 card or history results of 85 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 86 percent and 3d dose card only coverage of 82 percent. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+

# Guyana - Pol3

GUY - Pol3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	92	94	93	97	95	93	97	98	97	92	94
Estimate GoC	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	93	92	94	93	97	95	93	97	98	97	92	94
Administrative	93	92	94	93	97	95	93	97	97	97	92	94
Survey	85	NA	70	NA	NA	NA	95	92	NA	NA	NA	NA

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

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

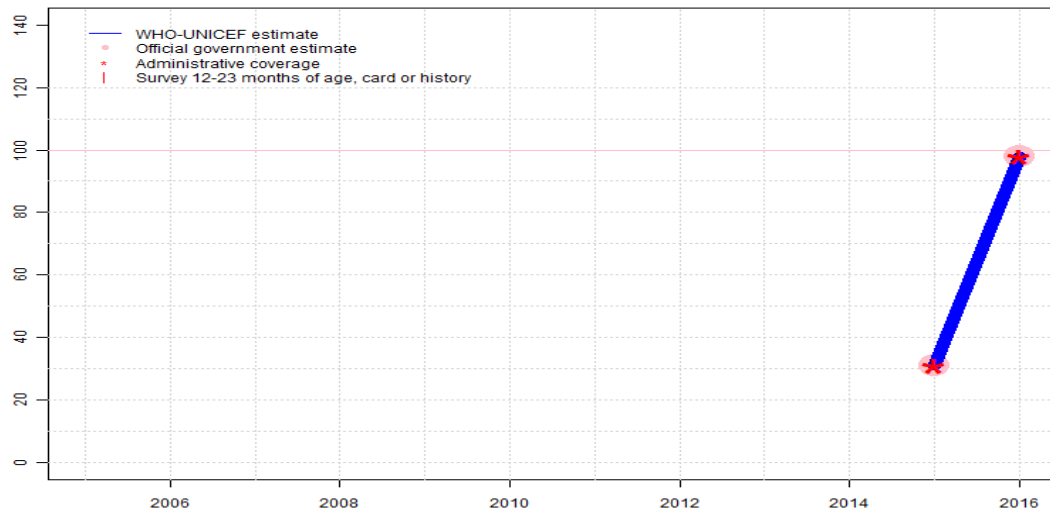
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2016: Estimate based on coverage reported by national government. Programme reports 1 month national level vaccine stock-out. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Programme reports national level stock-out of less than one month. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 92 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 87 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 93 percent and 3d dose card only coverage of 92 percent. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. Guyana Demographic and Health Survey 2009 card or history results of 70 percent modified for recall bias to 75 percent based on 1st dose card or history coverage of 78 percent, 1st dose card only coverage of 72 percent and 3d dose card only coverage of 69 percent. 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 98 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2006 card or history results of 85 percent modified for recall bias to 98 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 76 percent and 3d dose card only coverage of 76 percent. GoC=R+ S+ D+

# Guyana - IPV1

GUY - IPV1



## Description:

2016: Estimate based on coverage reported by national government. Following introduction in 2015, estimate reflects coverage achieved in the national birth cohort. GoC=R+ D+  
 2015: Estimate based on coverage reported by national government. 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	98
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	••	••
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	98
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31	98
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

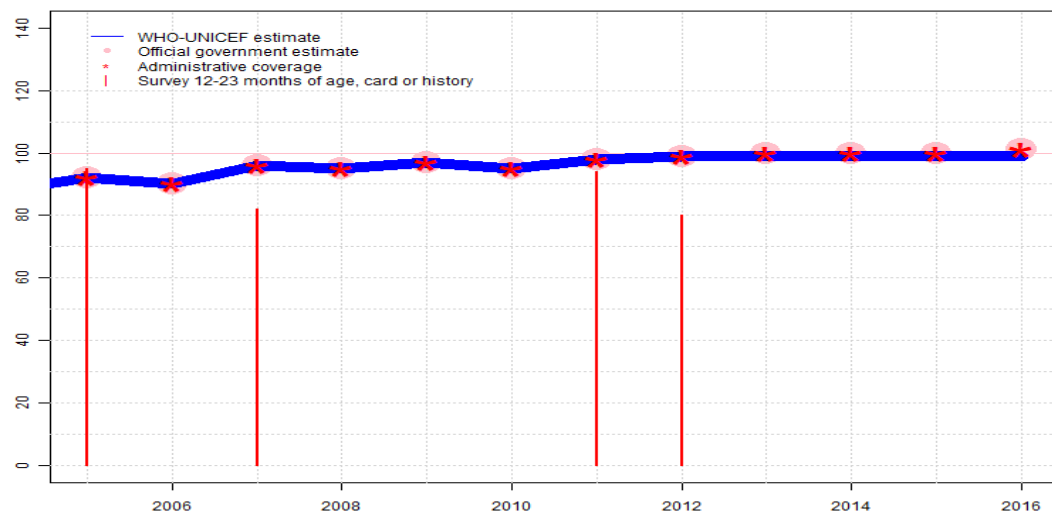
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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.

# Guyana - MCV1

GUY - MCV1



## Description:

- 2016: Estimate based on extrapolation from data reported by national government. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. Guyana Multiple Indicator Cluster Survey 2014 results ignored by working group. The first dose of MCV1 is recommended at 1 year of age or before the second birthday. Survey results for children aged 12-23 months at the time of survey therefore reflect only part of the period during which children may receive MCV1. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. 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 95 percent based on 1 survey(s). GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	92	90	96	95	97	95	98	99	99	99	99	99
Estimate GoC	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●
Official	92	90	96	95	97	95	98	99	100	100	100	101
Administrative	92	90	96	95	97	95	98	99	100	100	100	101
Survey	95	NA	82	NA	NA	NA	94	80	NA	NA	NA	NA

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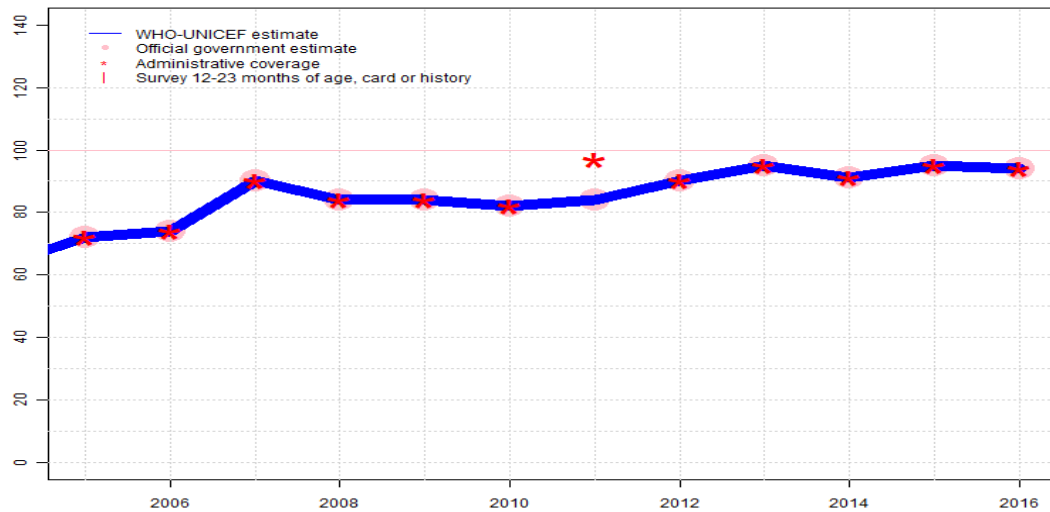
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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



# Guyana - MCV2

GUY - MCV2



## Description:

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

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	72	74	90	84	84	82	84	90	95	91	95	94
Estimate GoC	••	••	••	••	••	••	••	••	••	••	••	••
Official	72	74	90	84	84	82	84	90	95	91	95	94
Administrative	72	74	90	84	84	82	97	90	95	91	95	94
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

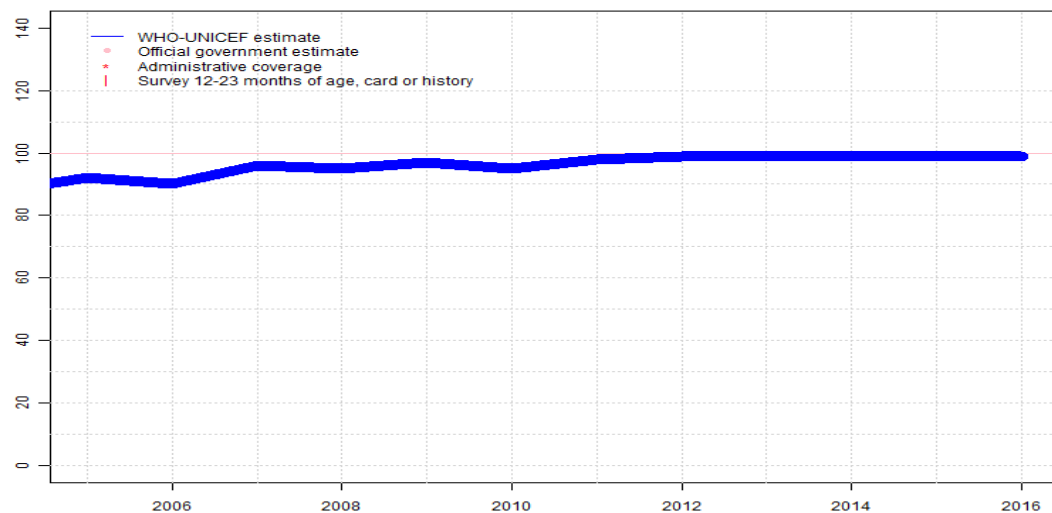
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Guyana - RCV1

GUY - RCV1



## Description:

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

- 2016: Estimate based on estimated MCV1. GoC=R+ D+
- 2015: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. GoC=R+ D+
- 2013: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2012: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2011: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2010: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2009: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2008: Estimate based on estimated MCV1. GoC=R+ D+
- 2007: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2006: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2005: Estimate based on estimated MCV1. GoC=R+ S+ D+

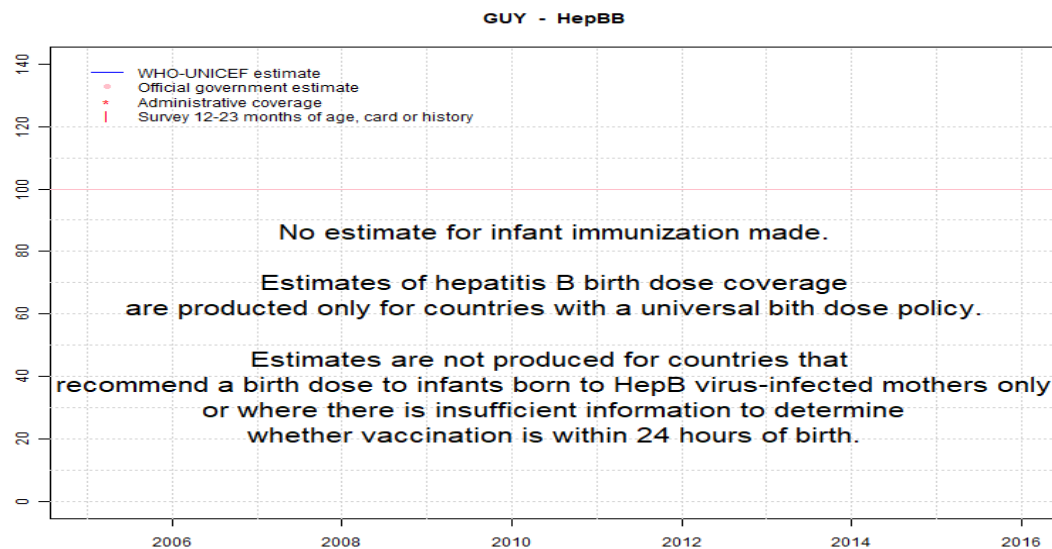
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	92	90	96	95	97	95	98	99	99	99	99	99
Estimate GoC	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.
- Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.
- There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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

# Guyana - 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

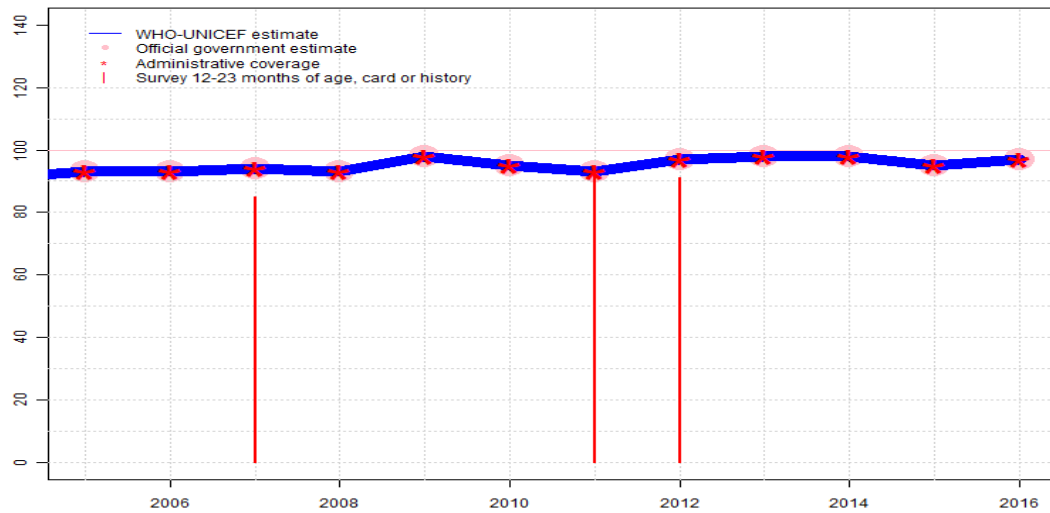
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Guyana - HepB3

GUY - HepB3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	93	94	93	98	95	93	97	98	98	95	97
Estimate GoC	●●	●●	●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	93	93	94	93	98	95	93	97	98	98	95	97
Administrative	93	93	94	93	98	95	93	97	98	98	95	97
Survey	NA	NA	85	NA	NA	NA	95	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.

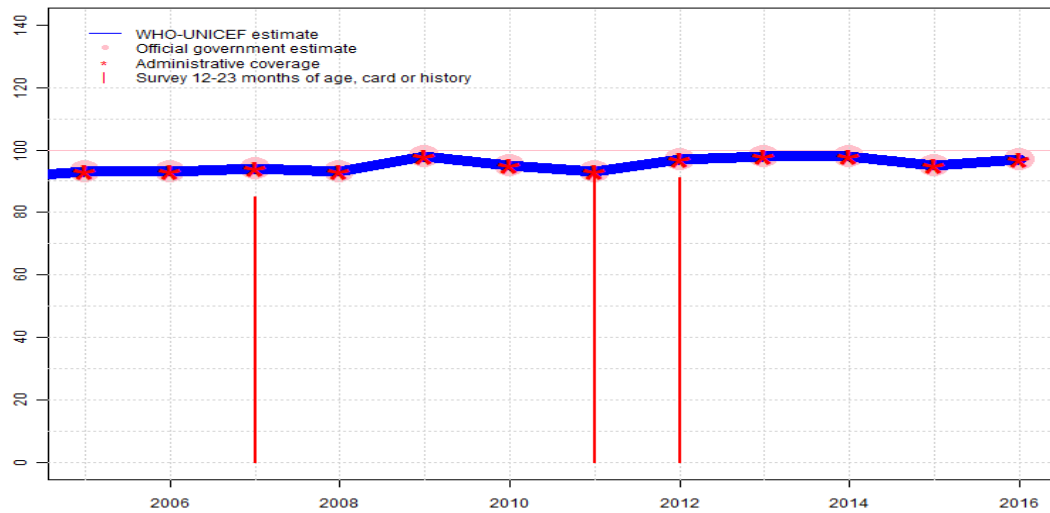
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 91 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. Guyana Demographic and Health Survey 2009 card or history results of 85 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 86 percent and 3d dose card only coverage of 82 percent. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+

# Guyana - Hib3

GUY - Hib3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	93	93	94	93	98	95	93	97	98	98	95	97
Estimate GoC	●●	●●	●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●	●●
Official	93	93	94	93	98	95	93	97	98	98	95	97
Administrative	93	93	94	93	98	95	93	97	98	98	95	97
Survey	NA	NA	85	NA	NA	NA	95	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.

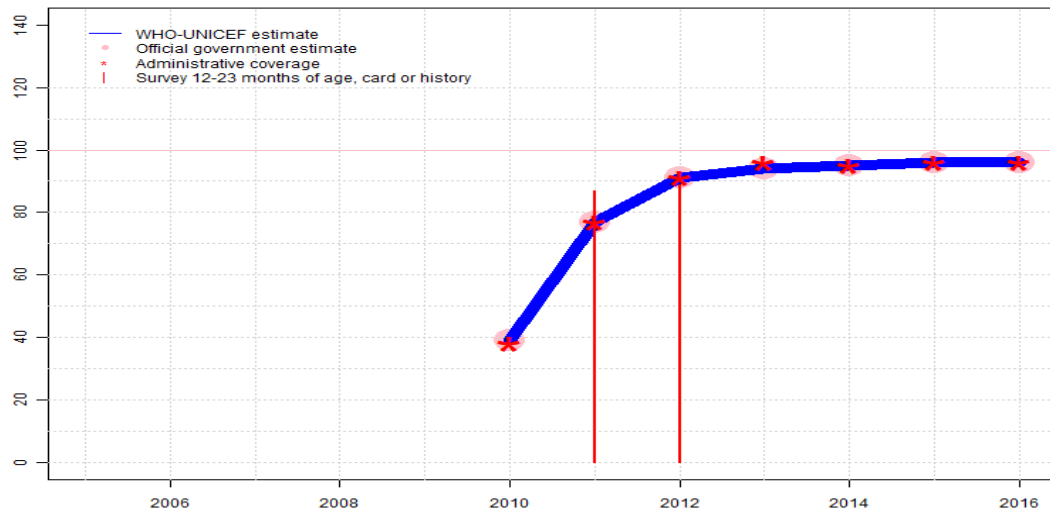
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 91 percent modified for recall bias to 94 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 90 percent and 3d dose card only coverage of 88 percent. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on reported data. GoC=R+ S+ D+
- 2009: Estimate based on reported data. GoC=R+ S+ D+
- 2008: Estimate based on reported data. GoC=R+ D+
- 2007: Estimate based on reported data. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. Guyana Demographic and Health Survey 2009 card or history results of 85 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 86 percent and 3d dose card only coverage of 82 percent. GoC=R+ D+
- 2006: Estimate based on reported data. GoC=R+ D+
- 2005: Estimate based on reported data. GoC=R+ D+

# Guyana - RotaC

GUY - RotaC



## Description:

- 2016: Estimate based on coverage reported by national government. Programme reports 1.5 month national level vaccine stock-out. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 87 percent based on 1 survey(s). Estimate challenged by: S-
- 2010: Estimate based on reported data. Rotavirus vaccine introduced in 2010. Estimate challenged by: D-S-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	39	77	91	94	95	96	96
Estimate GoC	NA	NA	NA	NA	NA	•	•	•••	•••	•••	••	••
Official	NA	NA	NA	NA	NA	39	77	91	94	95	96	96
Administrative	NA	NA	NA	NA	NA	38	77	91	96	95	96	96
Survey	NA	NA	NA	NA	NA	NA	87	89	NA	NA	NA	NA

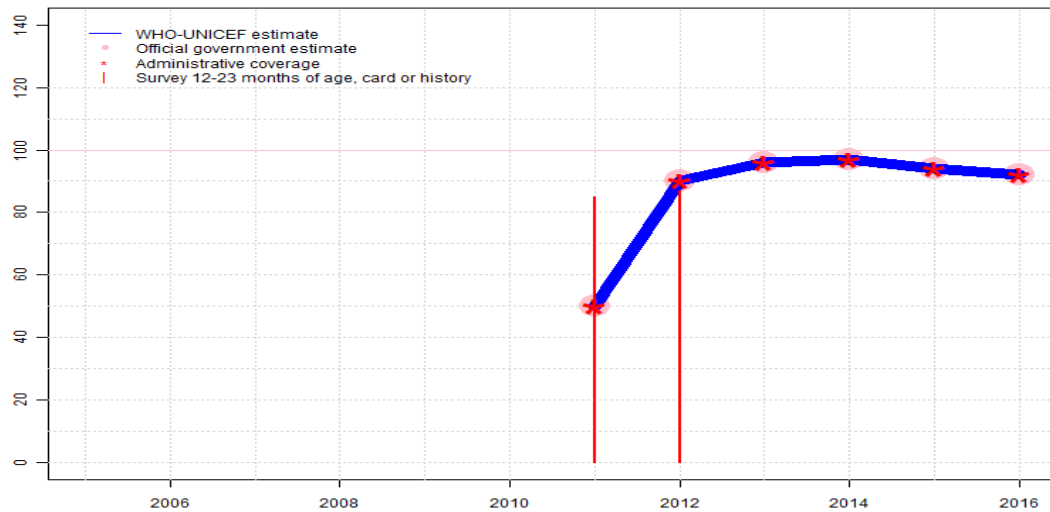
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Guyana - PcV3

GUY - PcV3



## Description:

- 2016: Estimate based on coverage reported by national government. Programme reports 3 month national level vaccine stock-out. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). Guyana Multiple Indicator Cluster Survey 2014 card or history results of 87 percent modified for recall bias to 89 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 87 percent and 3d dose card only coverage of 84 percent. GoC=R+ S+ D+
- 2011: Estimate based on reported data. Guyana Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results ignored during introduction year. Guyana Multiple Indicator Cluster Survey 2014 card or history results of 85 percent modified for recall bias to 86 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 86 percent and 3d dose card only coverage of 82 percent. Pneumococcal conjugate vaccine was introduced in 2011. Estimate challenged by: S-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	50	90	96	97	94	92
Estimate GoC	NA	NA	NA	NA	NA	NA	•	•••	•••	•••	••	••
Official	NA	NA	NA	NA	NA	NA	50	90	96	97	94	92
Administrative	NA	NA	NA	NA	NA	NA	50	90	96	97	94	92
Survey	NA	NA	NA	NA	NA	NA	85	87	NA	NA	NA	NA

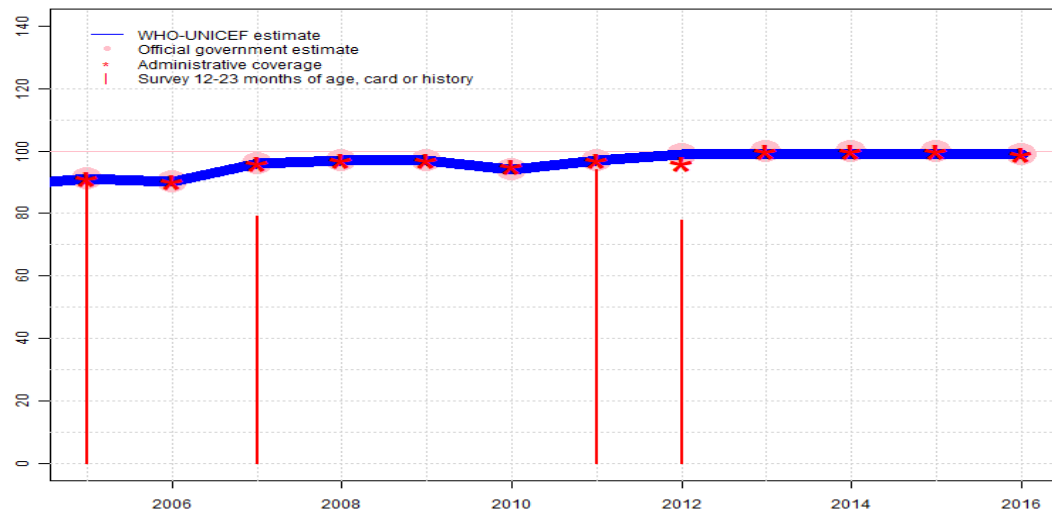
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

# Guyana - YFV

GUY - YFV



## Description:

- 2016: Estimate based on coverage reported by national government. Programme reports 1 month national level vaccine stock-out. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. Guyana Multiple Indicator Cluster Survey 2014 results ignored by working group. Yellow fever virus vaccine is recommended at 1 year of age or before the second birthday. Survey results for children aged 12-23 months at the time of survey therefore reflect only part of the period during which children may receive YFV. GoC=R+ S+ D+
- 2011: Estimate based on coverage reported by national government supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2008: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: Estimate based on coverage reported by national government. Guyana Demographic and Health Survey 2009 results ignored by working group. Survey data internally inconsistent. Levels of measles, yellow fever and polio coverage are significantly lower than DTP and BCG. 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 92 percent based on 1 survey(s). GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	91	90	96	97	97	94	97	99	99	99	99	99
Estimate GoC	●●●	●●●	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●	●●	●●
Official	91	90	96	97	97	94	97	99	100	100	100	99
Administrative	91	90	96	97	97	95	97	96	100	100	100	99
Survey	92	NA	79	NA	NA	NA	94	78	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.



# Guyana - survey details

## 2012 Guyana Multiple Indicator Cluster Survey 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	94	12-23 m	686	87
BCG	Card	88	12-23 m	686	87
BCG	Card or History	94	12-23 m	686	87
DTP1	C or H <12 months	96	12-23 m	686	87
DTP1	Card	90	12-23 m	686	87
DTP1	Card or History	96	12-23 m	686	87
DTP3	C or H <12 months	89	12-23 m	686	87
DTP3	Card	88	12-23 m	686	87
DTP3	Card or History	91	12-23 m	686	87
HepB1	C or H <12 months	96	12-23 m	686	87
HepB1	Card	90	12-23 m	686	87
HepB1	Card or History	96	12-23 m	686	87
HepB3	C or H <12 months	89	12-23 m	686	87
HepB3	Card	88	12-23 m	686	87
HepB3	Card or History	91	12-23 m	686	87
Hib1	C or H <12 months	96	12-23 m	686	87
Hib1	Card	90	12-23 m	686	87
Hib1	Card or History	96	12-23 m	686	87
Hib3	C or H <12 months	89	12-23 m	686	87
Hib3	Card	88	12-23 m	686	87
Hib3	Card or History	91	12-23 m	686	87
MCV1	Card	74	12-23 m	686	87
MCV1	Card or History	80	12-23 m	686	87
PCV1	C or H <12 months	91	12-23 m	686	87
PCV1	Card	87	12-23 m	686	87
PCV1	Card or History	92	12-23 m	686	87
PCV3	C or H <12 months	82	12-23 m	686	87
PCV3	Card	84	12-23 m	686	87
PCV3	Card or History	87	12-23 m	686	87
Pol1	C or H <12 months	97	12-23 m	686	87
Pol1	Card	90	12-23 m	686	87
Pol1	Card or History	97	12-23 m	686	87
Pol3	C or H <12 months	90	12-23 m	686	87
Pol3	Card	87	12-23 m	686	87
Pol3	Card or History	92	12-23 m	686	87
RotaC	C or H <12 months	88	12-23 m	686	87
RotaC	Card	86	12-23 m	686	87

RotaC	Card or History	89	12-23 m	686	87
YFV	Card	73	12-23 m	686	87
YFV	Card or History	78	12-23 m	686	87

## 2011 Guyana Multiple Indicator Cluster Survey 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	96	24-35 m	648	87
BCG	Card	92	24-35 m	648	87
BCG	Card or History	97	24-35 m	648	87
DTP1	C or H <12 months	97	24-35 m	648	87
DTP1	Card	94	24-35 m	648	87
DTP1	Card or History	97	24-35 m	648	87
DTP3	C or H <12 months	91	24-35 m	648	87
DTP3	Card	92	24-35 m	648	87
DTP3	Card or History	95	24-35 m	648	87
HepB1	C or H <12 months	97	24-35 m	648	87
HepB1	Card	94	24-35 m	648	87
HepB1	Card or History	97	24-35 m	648	87
HepB3	C or H <12 months	91	24-35 m	648	87
HepB3	Card	92	24-35 m	648	87
HepB3	Card or History	95	24-35 m	648	87
Hib1	C or H <12 months	97	24-35 m	648	87
Hib1	Card	94	24-35 m	648	87
Hib1	Card or History	97	24-35 m	648	87
Hib3	C or H <12 months	91	24-35 m	648	87
Hib3	Card	92	24-35 m	648	87
Hib3	Card or History	95	24-35 m	648	87
MCV1	C or H <12 months	93	24-35 m	648	87
MCV1	Card	90	24-35 m	648	87
MCV1	Card or History	94	24-35 m	648	87
PCV1	C or H <12 months	89	24-35 m	648	87
PCV1	Card	86	24-35 m	648	87
PCV1	Card or History	90	24-35 m	648	87
PCV3	C or H <12 months	82	24-35 m	648	87
PCV3	Card	82	24-35 m	648	87
PCV3	Card or History	85	24-35 m	648	87
Pol1	C or H <12 months	97	24-35 m	648	87
Pol1	Card	93	24-35 m	648	87

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Pol1	Card or History	98	24-35 m	648	87
Pol3	C or H <12 months	91	24-35 m	648	87
Pol3	Card	92	24-35 m	648	87
Pol3	Card or History	95	24-35 m	648	87
RotaC	C or H <12 months	84	24-35 m	648	87
RotaC	Card	84	24-35 m	648	87
RotaC	Card or History	87	24-35 m	648	87
YFV	C or H <12 months	92	24-35 m	648	87
YFV	Card	90	24-35 m	648	87
YFV	Card or History	94	24-35 m	648	87

## 2007 Guyana Demographic and Health Survey 2009

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <18 months	94	18-29 m	384	88
BCG	Card	86	18-29 m	384	88
BCG	Card or History	94	18-29 m	384	88
BCG	History	8	18-29 m	384	88
DTP1	C or H <18 months	92	18-29 m	384	88
DTP1	Card	86	18-29 m	384	88
DTP1	Card or History	92	18-29 m	384	88
DTP1	History	6	18-29 m	384	88
DTP3	C or H <18 months	83	18-29 m	384	88
DTP3	Card	82	18-29 m	384	88
DTP3	Card or History	85	18-29 m	384	88
DTP3	History	2	18-29 m	384	88
HepB1	C or H <18 months	92	18-29 m	384	88
HepB1	Card	86	18-29 m	384	88
HepB1	Card or History	92	18-29 m	384	88
HepB1	History	6	18-29 m	384	88
HepB3	C or H <18 months	83	18-29 m	384	88
HepB3	Card	82	18-29 m	384	88
HepB3	Card or History	85	18-29 m	384	88
HepB3	History	2	18-29 m	384	88
Hib1	C or H <18 months	92	18-29 m	384	88
Hib1	Card	86	18-29 m	384	88
Hib1	Card or History	92	18-29 m	384	88
Hib1	History	6	18-29 m	384	88
Hib3	C or H <18 months	83	18-29 m	384	88

Hib3	Card	82	18-29 m	384	88
Hib3	Card or History	85	18-29 m	384	88
Hib3	History	2	18-29 m	384	88
MCV1	C or H <18 months	77	18-29 m	384	88
MCV1	Card	76	18-29 m	384	88
MCV1	Card or History	82	18-29 m	384	88
MCV1	History	6	18-29 m	384	88
Pol1	C or H <18 months	78	18-29 m	384	88
Pol1	Card	72	18-29 m	384	88
Pol1	Card or History	78	18-29 m	384	88
Pol1	History	6	18-29 m	384	88
Pol3	C or H <18 months	68	18-29 m	384	88
Pol3	Card	69	18-29 m	384	88
Pol3	Card or History	70	18-29 m	384	88
Pol3	History	1	18-29 m	384	88
YFV	C or H <18 months	75	18-29 m	384	88
YFV	Card	74	18-29 m	384	88
YFV	Card or History	79	18-29 m	384	88
YFV	History	5	18-29 m	384	88

## 2005 Guyana Multiple Indicator Cluster Survey 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	96	18-29 m	488	75
BCG	Card	76	18-29 m	488	75
BCG	Card or History	98	18-29 m	488	75
BCG	History	22	18-29 m	488	75
DTP1	C or H <12 months	95	18-29 m	488	75
DTP3	C or H <12 months	74	18-29 m	488	75
MCV1	C or H <12 months	90	18-29 m	488	75
MCV1	Card	77	18-29 m	488	75
MCV1	Card or History	95	18-29 m	488	75
MCV1	History	18	18-29 m	488	75
Pol1	C or H <12 months	95	18-29 m	488	75
Pol1	Card	76	18-29 m	488	75
Pol1	Card or History	98	18-29 m	488	75
Pol1	History	21	18-29 m	488	75
Pol3	C or H <12 months	74	18-29 m	488	75
Pol3	Card	76	18-29 m	488	75

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Pol3	Card or History	85	18-29 m	488	75
Pol3	History	9	18-29 m	488	75
YFV	C or H <12 months	88	18-29 m	488	75
YFV	Card	75	18-29 m	488	75
YFV	Card or History	92	18-29 m	488	75
YFV	History	17	18-29 m	488	75

### 1999 Multiple Indicator Cluster Survey Guyana 2000, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	97	12-23 m	16442	89
BCG	Card	88	12-23 m	16442	89
BCG	Card or History	98	12-23 m	16442	89
BCG	History	10	12-23 m	16442	89
DTP1	C or H <12 months	95	12-23 m	16442	89
DTP1	Card	87	12-23 m	16442	89
DTP1	Card or History	96	12-23 m	16442	89

DTP1	History	9	12-23 m	16442	89
DTP3	C or H <12 months	86	12-23 m	16442	89
DTP3	Card	85	12-23 m	16442	89
DTP3	Card or History	89	12-23 m	16442	89
DTP3	History	4	12-23 m	16442	89
MCV1	C or H <12 months	45	12-23 m	16442	89
MCV1	Card	88	12-23 m	16442	89
MCV1	Card or History	92	12-23 m	16442	89
MCV1	History	4	12-23 m	16442	89
Pol1	C or H <12 months	94	12-23 m	16442	89
Pol1	Card	88	12-23 m	16442	89
Pol1	Card or History	94	12-23 m	16442	89
Pol1	History	6	12-23 m	16442	89
Pol3	C or H <12 months	85	12-23 m	16442	89
Pol3	Card	85	12-23 m	16442	89
Pol3	Card or History	88	12-23 m	16442	89
Pol3	History	2	12-23 m	16442	89

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