

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.

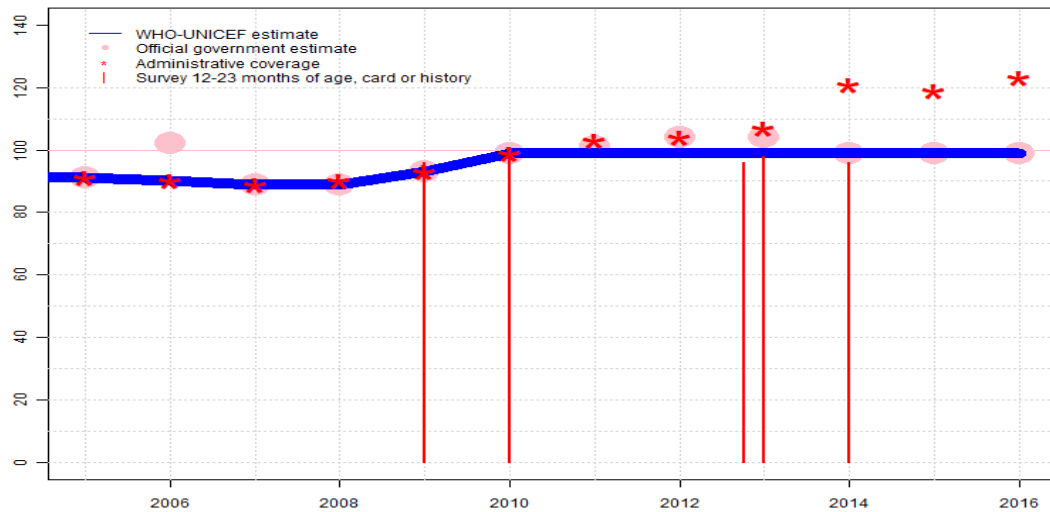
PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect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

TZA - BCG



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	91	90	89	89	93	99	99	99	99	99	99	99
Estimate GoC	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●	●
Official	91	102	89	89	93	99	101	104	104	99	99	99
Administrative	91	90	89	90	93	99	103	104	107	121	119	123
Survey	NA	NA	NA	NA	96	99	NA	NA	*	96	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.

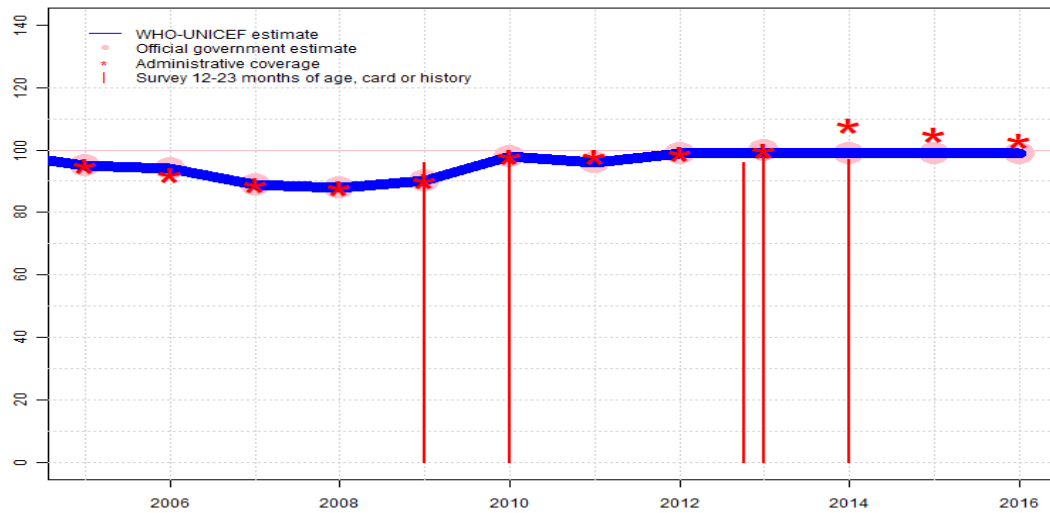
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. Programme reports a 1 month vaccine stock-out. Estimate challenged by: D-
- 2015: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. Estimate challenged by: D-
- 2013: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 2 survey(s). Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2012: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2011: Estimate based on interpolation between coverage reported by national government. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2010: Estimate based on coverage reported by national government supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: 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+
- 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 interpolation between coverage reported by national government. Reported data excluded because 102 percent greater than 100 percent. Reported data excluded due to an unexplained increase from 91 percent to 102 percent with decrease 89 percent. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

United Republic of Tanzania - DTP1

TZA - DTP1



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 97 percent based on 2 survey(s). GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 97 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: 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+
- 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+ D+
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	95	94	89	88	90	98	96	99	99	99	99	99
Estimate GoC	•	••	•••	•••	•••	•••	•••	•••	•••	•••	•••	•••
Official	95	94	89	88	90	98	96	99	100	99	99	99
Administrative	95	92	89	88	90	98	98	99	100	108	105	103
Survey	NA	NA	NA	NA	96	97	NA	NA	*	97	NA	NA

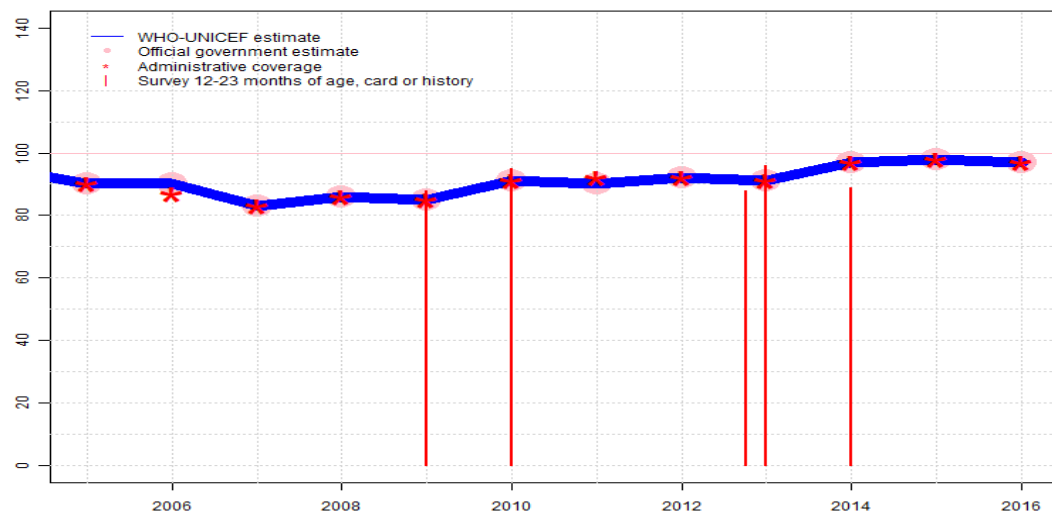
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

United Republic of Tanzania - DTP3

TZA - DTP3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	90	90	83	86	85	91	90	92	91	97	98	97
Estimate GoC	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●
Official	90	90	83	86	85	91	90	92	91	97	98	97
Administrative	90	87	83	86	85	91	92	92	91	97	98	97
Survey	NA	NA	NA	NA	88	95	NA	NA	*	89	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.

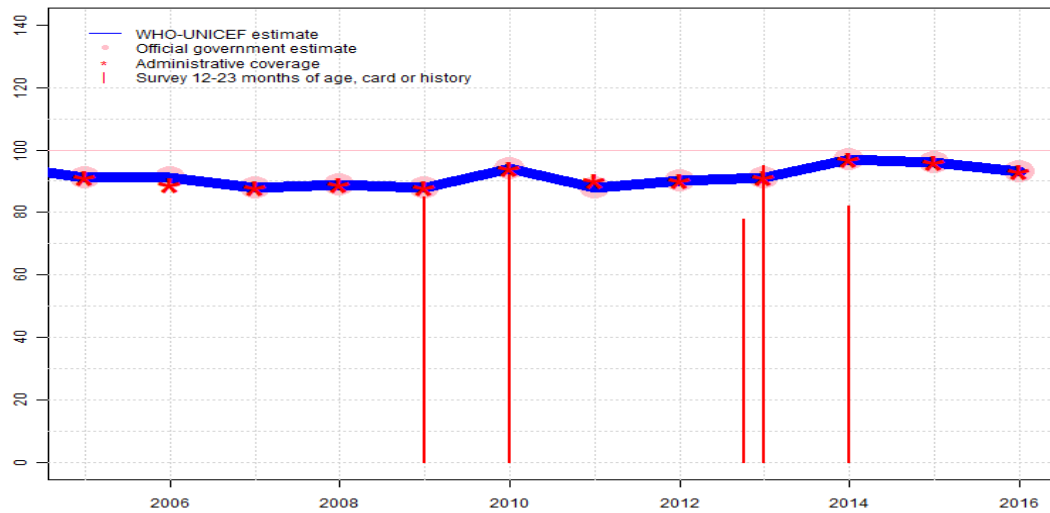
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 89 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 84 percent and 3d dose card only coverage of 78 percent. Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 2 survey(s). Post Integrated Measles Rubella Campaign Evaluation and Routine Immunization Coverage Survey 2014 card or history results of 96 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 84 percent and 3d dose card only coverage of 83 percent. Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 88 percent modified for recall bias to 93 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 70 percent and 3d dose card only coverage of 68 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health Survey 2010 card or history results of 88 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 83 percent and 3d dose card only coverage of 78 percent. 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+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

United Republic of Tanzania - Pol3

TZA - Pol3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	91	91	88	89	88	94	88	90	91	97	96	93
Estimate GoC	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●
Official	91	91	88	89	88	94	88	90	91	97	96	93
Administrative	91	89	88	89	88	94	90	90	91	97	96	93
Survey	NA	NA	NA	NA	85	92	NA	NA	*	82	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.

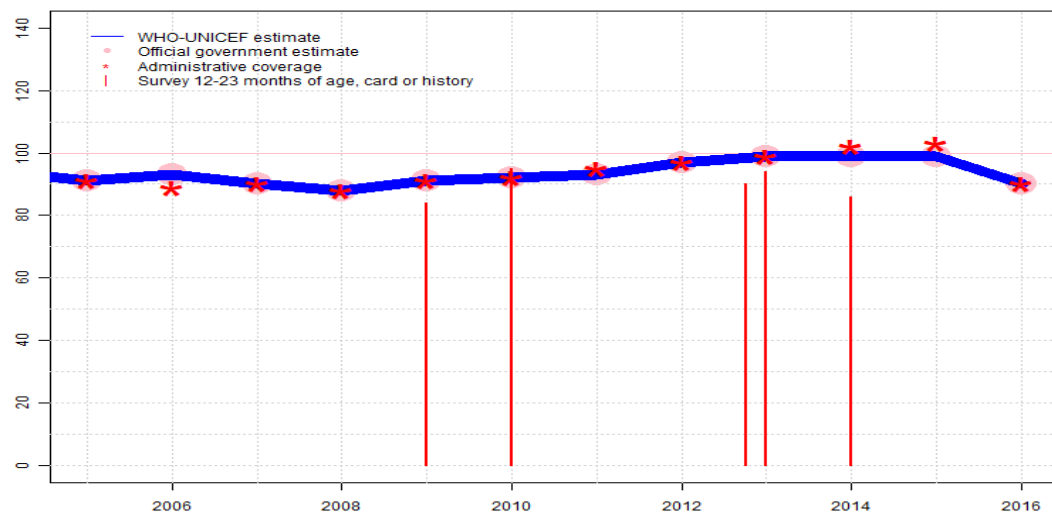
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. Programme reports a 1 month vaccine stock-out. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 82 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 83 percent and 3d dose card only coverage of 76 percent. Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 93 percent based on 2 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 78 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 95 percent, 1st dose card only coverage of 70 percent and 3d dose card only coverage of 66 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 92 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health Survey 2010 card or history results of 85 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 84 percent and 3d dose card only coverage of 78 percent. 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+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

United Republic of Tanzania - MCV1

TZA - MCV1



Description:

- 2016: Estimate based on coverage reported by national government. Programme reports a 1 month vaccine stock-out. 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. Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 results ignored by working group. Survey results not consistent with reported data and survey results for other vaccines. GoC=R+ S+ D+
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 92 percent based on 2 survey(s). GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: 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+
- 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+ 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	91	93	90	88	91	92	93	97	99	99	99	90
Estimate GoC	●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●
Official	91	93	90	88	91	92	93	97	99	99	99	90
Administrative	91	89	90	88	91	92	95	97	99	102	103	90
Survey	NA	NA	NA	NA	84	95	NA	NA	*	86	NA	NA

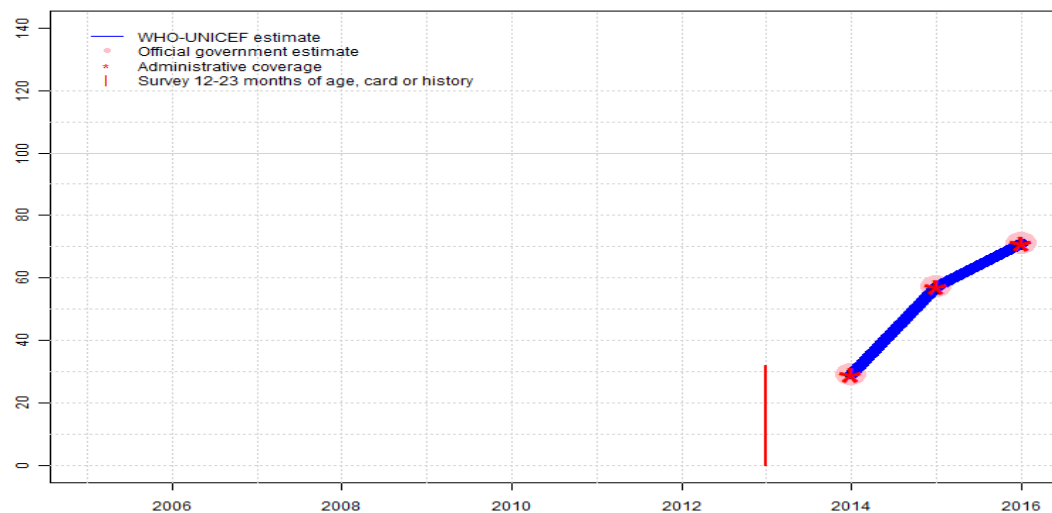
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

United Republic of Tanzania - MCV2

TZA - 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. Programme reports a 1 month vaccine stock-out. Estimate based on reported coverage following introduction of MCV2 in 2014. GoC=R+ D+

2015: Estimate based on coverage reported by national government. Estimate based on reported coverage following introduction of MCV2 in 2014. GoC=R+ D+

2014: Estimate based on coverage reported by national government. Second dose of MCV 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	29	57	71
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	29	57	71
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	29	57	71
Survey	NA	NA	NA	NA	NA	NA	NA	NA	32	NA	NA	NA

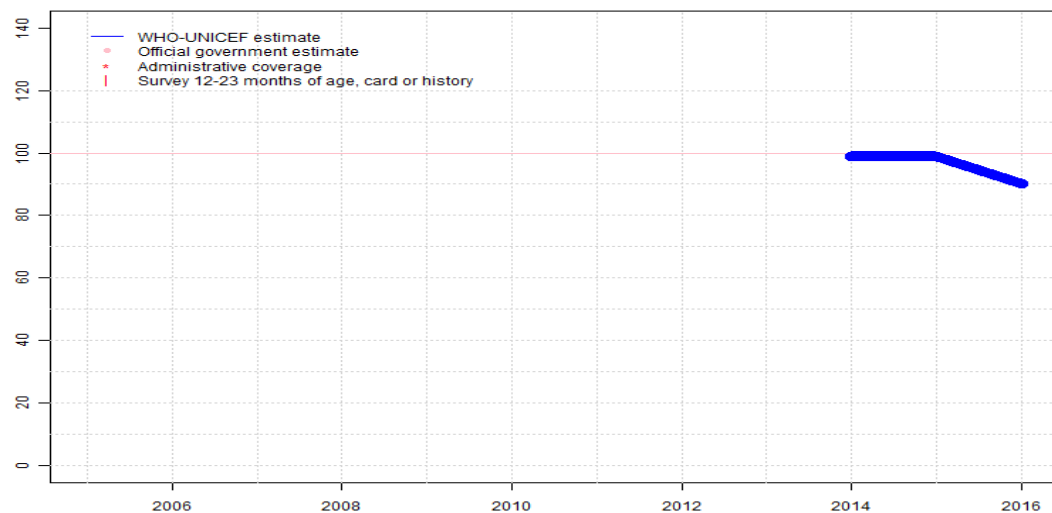
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

United Republic of Tanzania - RCV1

TZA - 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+ S+ D+
 2014: Estimate based on estimated MCV1. GoC=R+ S+ D+

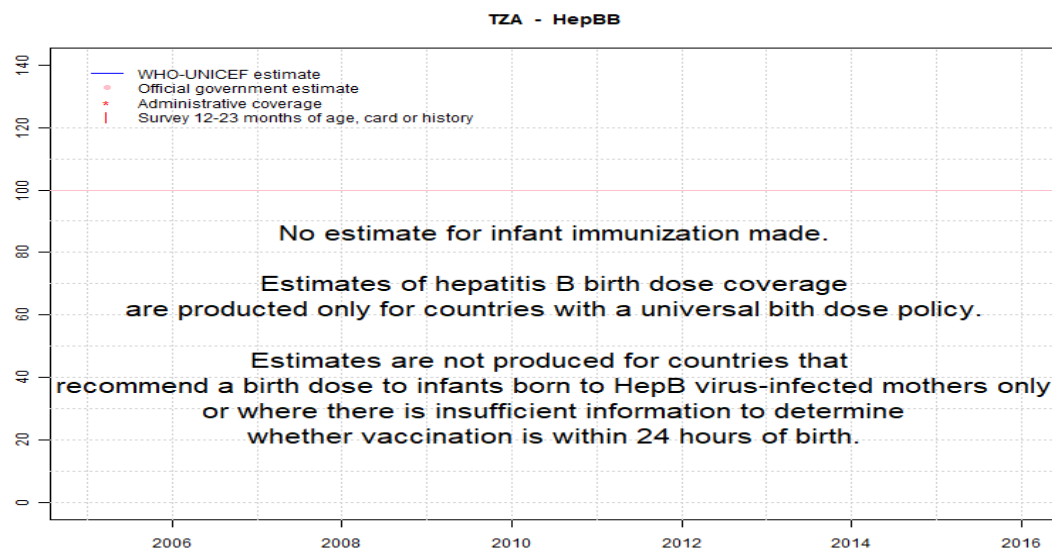
	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	99	99	90
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	●●●	●●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

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.

United Republic of Tanzania - 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

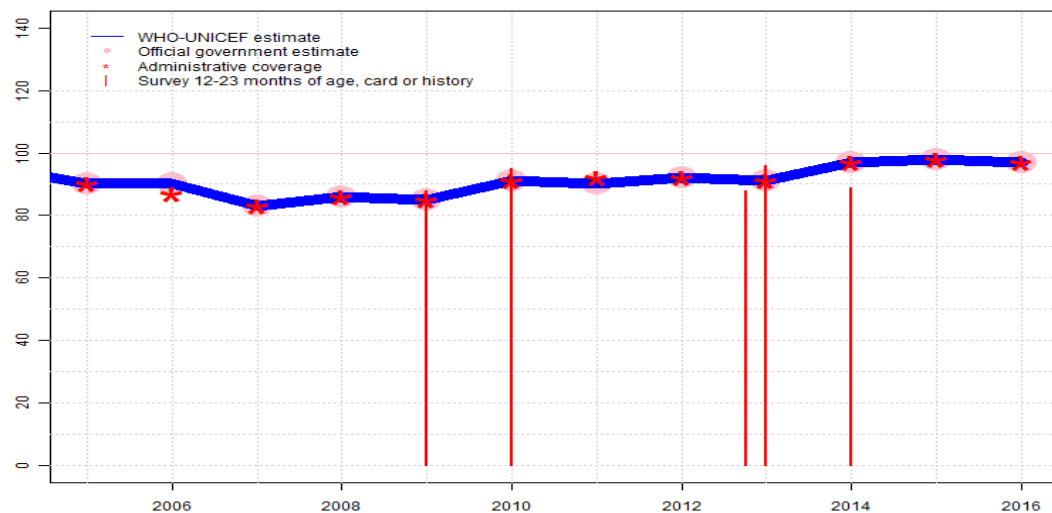
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

United Republic of Tanzania - HepB3

TZA - HepB3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	90	90	83	86	85	91	90	92	91	97	98	97
Estimate GoC	●●●	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●
Official	90	90	83	86	85	91	90	92	91	97	98	97
Administrative	90	87	83	86	85	91	92	92	91	97	98	97
Survey	NA	NA	NA	NA	88	95	NA	NA	*	89	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.

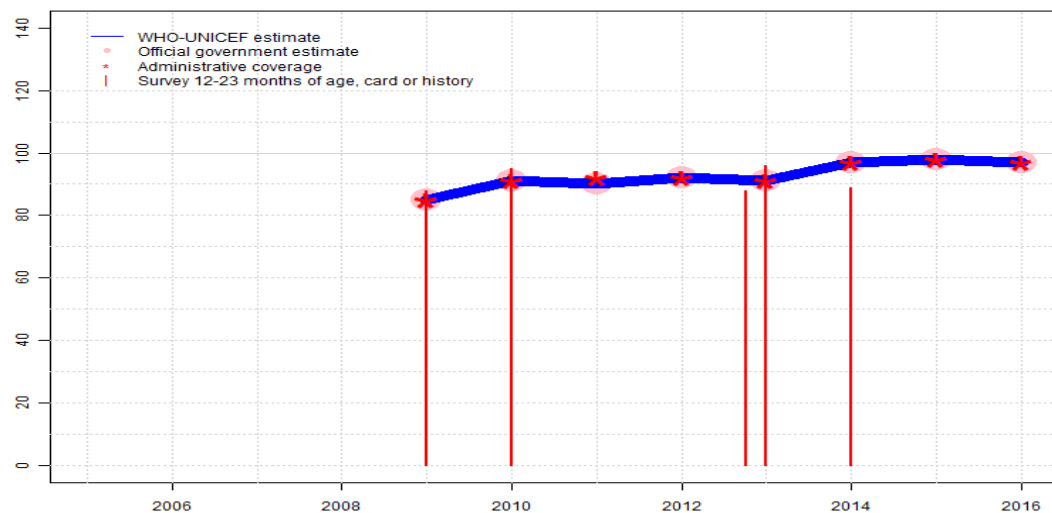
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 89 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 84 percent and 3d dose card only coverage of 78 percent. Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 2 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 88 percent modified for recall bias to 93 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 70 percent and 3d dose card only coverage of 68 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health Survey 2010 card or history results of 88 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 83 percent and 3d dose card only coverage of 78 percent. 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+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+ D+

United Republic of Tanzania - Hib3

TZA - Hib3



	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	85	91	90	92	91	97	98	97
Estimate GoC	NA	NA	NA	NA	●●●	●●●	●●●	●●●	●●●	●	●●●	●●●
Official	NA	NA	NA	NA	85	91	90	92	91	97	98	97
Administrative	NA	NA	NA	NA	85	91	92	92	91	97	98	97
Survey	NA	NA	NA	NA	88	95	NA	NA	*	89	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.

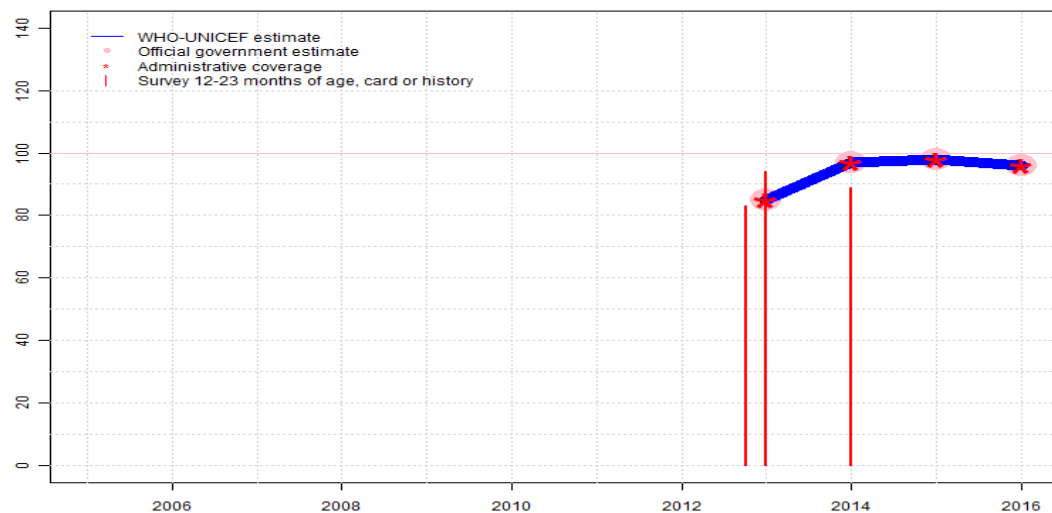
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 89 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 84 percent and 3d dose card only coverage of 78 percent. Increases in reported coverage due in part to reported lower target population estimates for 2014 compared to 2013. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 2 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 88 percent modified for recall bias to 93 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 70 percent and 3d dose card only coverage of 68 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. 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 95 percent based on 1 survey(s). GoC=R+ S+ D+
- 2009: Estimate based on coverage reported by national government supported by survey. Survey evidence of 90 percent based on 1 survey(s). Tanzania Demographic and Health Survey 2010 card or history results of 88 percent modified for recall bias to 90 percent based on 1st dose card or history coverage of 96 percent, 1st dose card only coverage of 83 percent and 3d dose card only coverage of 78 percent. Hib vaccine introduced in 2009. Vaccine presentation is DTP-HepB-Hib. GoC=R+ S+ D+

United Republic of Tanzania - RotaC

TZA - RotaC



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 1 survey(s). Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government supported by survey. Survey evidence of 89 percent based on 2 survey(s). Rotavirus vaccine introduced nationally in January 2013. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	85	97	98	96
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	•••	•	•••	•••
Official	NA	NA	NA	NA	NA	NA	NA	NA	85	97	98	96
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	85	97	98	96
Survey	NA	NA	NA	NA	NA	NA	NA	NA	*	89	NA	NA

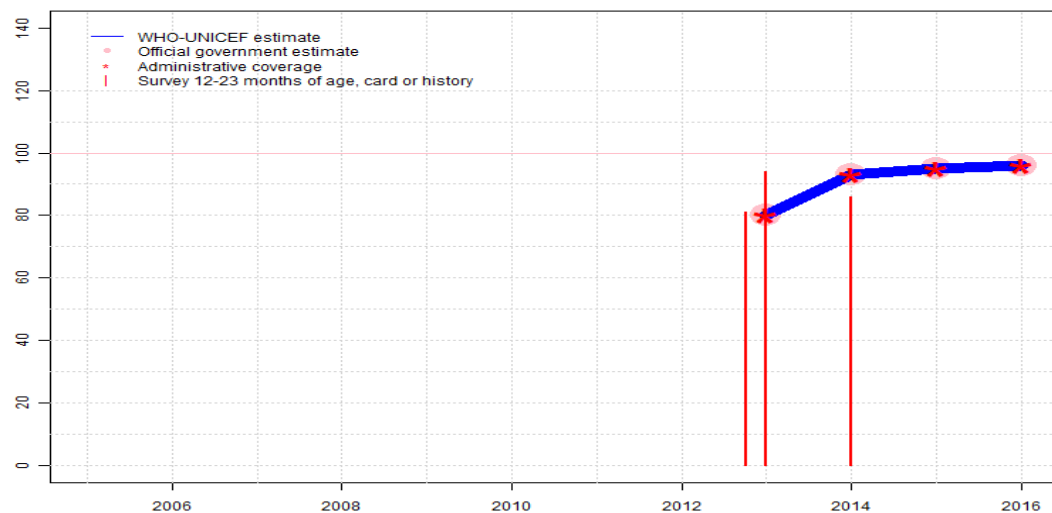
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability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

United Republic of Tanzania - PcV3

TZA - PcV3



Description:

- 2016: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2015: Estimate based on coverage reported by national government. GoC=R+ S+ D+
- 2014: Estimate based on coverage reported by national government supported by survey. Survey evidence of 88 percent based on 1 survey(s). Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 86 percent modified for recall bias to 88 percent based on 1st dose card or history coverage of 95 percent, 1st dose card only coverage of 82 percent and 3d dose card only coverage of 76 percent. Estimate challenged by: D-
- 2013: Estimate based on reported data. Post Integrated Measles Rubella Campaign Evaluation and Routine Immunization Coverage Survey 2014 results ignored by working group. Survey results likely include children vaccinated outside of the target population during the vaccine introduction period. Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 results ignored by working group. Survey results likely include children vaccinated outside of the target population during the vaccine introduction period. Tanzania Demographic and Health and Malaria Indicator Survey 2015-16 card or history results of 81 percent modified for recall bias to 84 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 62 percent. Pneumococcal conjugate vaccine introduced nationally in January 2013. GoC=R+ S+ D+

	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	80	93	95	96
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	●●●	●	●●●	●●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	80	93	95	96
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	80	93	95	96
Survey	NA	NA	NA	NA	NA	NA	NA	NA	*	86	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.

United Republic of Tanzania - survey details

2014 Tanzania Demographic and Health and Malaria Indicator Survey 2015-2016

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	96	12-23 m	2134	84
BCG	Card	83	12-23 m	1797	84
BCG	Card or History	96	12-23 m	2134	84
DTP1	C or H <12 months	97	12-23 m	2134	84
DTP1	Card	84	12-23 m	1797	84
DTP1	Card or History	97	12-23 m	2134	84
DTP3	C or H <12 months	88	12-23 m	2134	84
DTP3	Card	78	12-23 m	1797	84
DTP3	Card or History	89	12-23 m	2134	84
HepB1	C or H <12 months	97	12-23 m	2134	84
HepB1	Card	84	12-23 m	1797	84
HepB1	Card or History	97	12-23 m	2134	84
HepB3	C or H <12 months	88	12-23 m	2134	84
HepB3	Card	78	12-23 m	1797	84
HepB3	Card or History	89	12-23 m	2134	84
Hib1	C or H <12 months	97	12-23 m	2134	84
Hib1	Card	84	12-23 m	1797	84
Hib1	Card or History	97	12-23 m	2134	84
Hib3	C or H <12 months	88	12-23 m	2134	84
Hib3	Card	78	12-23 m	1797	84
Hib3	Card or History	89	12-23 m	2134	84
MCV1	C or H <12 months	78	12-23 m	2134	84
MCV1	Card	74	12-23 m	1797	84
MCV1	Card or History	86	12-23 m	2134	84
PCV1	C or H <12 months	95	12-23 m	2134	84
PCV1	Card	82	12-23 m	1797	84
PCV1	Card or History	95	12-23 m	2134	84
PCV3	C or H <12 months	84	12-23 m	2134	84
PCV3	Card	76	12-23 m	1797	84
PCV3	Card or History	86	12-23 m	2134	84
Pol1	C or H <12 months	96	12-23 m	2134	84
Pol1	Card	83	12-23 m	1797	84
Pol1	Card or History	96	12-23 m	2134	84
Pol3	C or H <12 months	82	12-23 m	2134	84
Pol3	Card	76	12-23 m	1797	84

Pol3	Card or History	82	12-23 m	2134	84
RotaC	C or H <12 months	88	12-23 m	2134	84
RotaC	Card	78	12-23 m	1797	84
RotaC	Card or History	89	12-23 m	2134	84

2013 Post Integrated Measles Rubella Campaign Evaluation and Routine Immunization Coverage Survey 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	85	12-23 m	9674	84
BCG	Card or History	98	12-23 m	9674	84
BCG	Scar	96	12-23 m	9674	84
DTP1	Card	84	12-23 m	9674	84
DTP1	Card or History	98	12-23 m	9674	84
DTP3	Card	83	12-23 m	9674	84
DTP3	Card or History	96	12-23 m	9674	84
HepB3	Card	83	12-23 m	9674	84
HepB3	Card or History	96	12-23 m	9674	84
Hib3	Card	83	12-23 m	9674	84
Hib3	Card or History	96	12-23 m	9674	84
MCV1	Card	80	12-23 m	9674	84
MCV1	Card or History	94	12-23 m	9674	84
PcV3	Card	81	12-23 m	9674	84
PcV3	Card or History	94	12-23 m	9674	84
Pol3	Card	82	12-23 m	9674	84
Pol3	Card or History	95	12-23 m	9674	84
RotaC	Card	80	12-23 m	9674	84
RotaC	Card or History	94	12-23 m	9674	84

2013 Tanzania Demographic and Health and Malaria Indicator Survey 2015-2016

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	94	24-35 m	1817	84
BCG	Card	70	24-35 m	1280	84
BCG	Card or History	96	24-35 m	1817	84
DTP1	C or H <12 months	95	24-35 m	1817	84

United Republic of Tanzania - survey details

DTP1	Card	70	24-35 m	1280	84
DTP1	Card or History	96	24-35 m	1817	84
DTP3	C or H <12 months	86	24-35 m	1817	84
DTP3	Card	68	24-35 m	1280	84
DTP3	Card or History	88	24-35 m	1817	84
HepB1	C or H <12 months	95	24-35 m	1817	84
HepB1	Card	70	24-35 m	1280	84
HepB1	Card or History	96	24-35 m	1817	84
HepB3	C or H <12 months	86	24-35 m	1817	84
HepB3	Card	68	24-35 m	1280	84
HepB3	Card or History	88	24-35 m	1817	84
Hib1	C or H <12 months	95	24-35 m	1817	84
Hib1	Card	70	24-35 m	1280	84
Hib1	Card or History	96	24-35 m	1817	84
Hib3	C or H <12 months	86	24-35 m	1817	84
Hib3	Card	68	24-35 m	1280	84
Hib3	Card or History	88	24-35 m	1817	84
MCV1	C or H <12 months	80	24-35 m	1817	84
MCV1	Card	67	24-35 m	1280	84
MCV1	Card or History	90	24-35 m	1817	84
MCV2	C or H <12 months	29	24-35 m	1817	84
MCV2	Card	24	24-35 m	1280	84
MCV2	Card or History	32	24-35 m	1817	84
PCV1	C or H <12 months	87	24-35 m	1817	84
PCV1	Card	65	24-35 m	1280	84
PCV1	Card or History	88	24-35 m	1817	84
PCV3	C or H <12 months	79	24-35 m	1817	84
PCV3	Card	62	24-35 m	1280	84
PCV3	Card or History	81	24-35 m	1817	84
Pol1	C or H <12 months	94	24-35 m	1817	84
Pol1	Card	70	24-35 m	1280	84
Pol1	Card or History	95	24-35 m	1817	84
Pol3	C or H <12 months	76	24-35 m	1817	84
Pol3	Card	66	24-35 m	1280	84
Pol3	Card or History	78	24-35 m	1817	84
RotaC	C or H <12 months	81	24-35 m	1817	84
RotaC	Card	62	24-35 m	1280	84
RotaC	Card or History	83	24-35 m	1817	84

2010 Integrated Measles and Routine Immunization: Post Campaign Coverage Evaluation Survey 2011

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card or History	99	12-23 m	9132	76
DTP1	Card or History	97	12-23 m	9132	76
DTP3	Card or History	95	12-23 m	9132	76
HepB1	Card or History	97	12-23 m	9132	76
HepB3	Card or History	95	12-23 m	9132	76
Hib1	Card or History	97	12-23 m	9132	76
Hib3	Card or History	95	12-23 m	9132	76
MCV1	Card or History	95	12-23 m	9132	76
Pol1	Card or History	97	12-23 m	9132	76
Pol3	Card or History	92	12-23 m	9132	76

2009 Tanzania Demographic and Health Survey 2010

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	95	12-23 m	1576	84
BCG	Card	82	12-23 m	1576	84
BCG	Card or History	96	12-23 m	1576	84
BCG	History	13	12-23 m	1576	84
DTP1	C or H <12 months	95	12-23 m	1576	84
DTP1	Card	83	12-23 m	1576	84
DTP1	Card or History	96	12-23 m	1576	84
DTP1	History	13	12-23 m	1576	84
DTP3	C or H <12 months	86	12-23 m	1576	84
DTP3	Card	78	12-23 m	1576	84
DTP3	Card or History	88	12-23 m	1576	84
DTP3	History	10	12-23 m	1576	84
HepB1	C or H <12 months	95	12-23 m	1576	84
HepB1	Card	83	12-23 m	1576	84
HepB1	Card or History	96	12-23 m	1576	84
HepB1	History	13	12-23 m	1576	84
HepB3	C or H <12 months	86	12-23 m	1576	84
HepB3	Card	78	12-23 m	1576	84
HepB3	Card or History	88	12-23 m	1576	84
HepB3	History	10	12-23 m	1576	84

United Republic of Tanzania - survey details

Pol1	Card or History	93	12-23 m	593	74	Pol3	Card or History	80	12-23 m	593	74
Pol1	History	20	12-23 m	593	74	Pol3	History	12	12-23 m	593	74
Pol3	C or H <12 months	77	12-23 m	593	74						
Pol3	Card	68	12-23 m	593	74						

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