

**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 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 available empirical data accurately reflect immunization system performance and those where the data are likely compromised and present a misleading view of coverage.

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. Bull World Health Organ. \* Burton et al. 2012. PLoS One.  
\* Brown et al. 2013. Open Pub Health Journal. \* Danovaro-Holliday et al. 2021. Gates Open Res.

## 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 6-11, 12-23 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 data collection period.

## ABBREVIATIONS AND DEFINITIONS

**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. For countries utilizing IPV containing vaccine only, i.e., no recommended dose of OPV, 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.

**IPV2:** percentage of surviving infants who received a 2nd dose of inactivated polio vaccine. IPV2 coverage estimates produced for OPV using countries.

**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 in the production of the estimate.

**HEPB3:** 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 if coverage for the booster dose is not reported.

**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.

**MENGA:** percentage of children who received one dose of meningococcal A conjugate vaccine. MENGA coverage estimates produced for countries in the meningitis belt of sub-Saharan Africa.

Disclaimer: All reasonable precautions have been taken by the World Health Organization and United Nations Children's Fund to verify the information contained in this publication. However, the published material is being distributed without warranty of any kind, either expressed or implied. The responsibility for the interpretation and use of the material lies with the reader. In no event shall the World Health Organization or United Nations Children's Fund be liable for damages arising from its use.

**NOTE DE SYNTHÈSE** Chaque année, l'OMS et l'UNICEF examinent conjointement les rapports soumis par les États Membres concernant la couverture vaccinale nationale, les rapports d'enquêtes finalisés, ainsi que les données issues de la littérature publiée et grise. Sur la base de ces données, et en tenant dûment compte des biais potentiels ainsi que des avis des experts locaux, l'OMS et l'UNICEF s'efforcent de distinguer les situations où les données empiriques disponibles reflètent fidèlement la performance du système de vaccination de celles où les données sont probablement compromises et donnent une vision trompeuse de la couverture.

Les estimations de l'OMS et de l'UNICEF sont spécifiques à chaque pays ; c'est-à-dire que les données de chaque pays sont examinées individuellement, et aucune donnée n'est empruntée à d'autres pays en l'absence de données. Les estimations ne reposent pas sur des ajustements ponctuels des données rapportées ; dans certains cas, des données empiriques proviennent d'une seule source, généralement les données de couverture déclarées au niveau national. Lorsqu'aucune donnée n'est disponible pour une combinaison donnée de pays/vaccin/année, les données des années précédentes et suivantes sont prises en compte et interpolées pour estimer la couverture des années manquantes. Dans les cas où les sources de données sont variées et présentent de grandes variations, une tentative est faite pour identifier l'estimation la plus probable en tenant compte des biais potentiels dans les données disponibles. Pour les méthodes, voir :

\* Burton et al. 2009. Bull World Health Organ. \* Burton et al. 2012. PLoS One.

\* Brown et al. 2013. Open Pub Health Journal. \* Danovaro-Holliday et al. 2021. Gates Open Res.

## SOURCES DE DONNÉES

**Couverture ADMINISTRATIVE:** Rapportée par les autorités nationales et basée sur des rapports administratifs agrégés provenant des prestataires de services de santé concernant le nombre de vaccinations administrées sur une période donnée (données du numérateur) et les données déclarées sur la population cible (données du dénominateur). Cette couverture peut être biaisée par des inexactitudes dans les données du numérateur et/ou du dénominateur.

**Couverture OFFICIELLE:** Estimation de la couverture rapportée par les autorités nationales, reflétant leur évaluation de la couverture la plus probable sur la base d'une combinaison de la couverture administrative, des estimations basées sur des enquêtes ou d'autres sources de données ou ajustements. Les approches pour déterminer la couverture OFFICIELLE peuvent varier d'un pays à l'autre.

**Couverture par ENQUÊTE:** Basée sur des estimations de couverture issues d'enquêtes menées auprès des ménages chez des enfants âgés de 6-11, 12-23 ou 24-35 mois, suivant une revue des méthodes et des résultats de l'enquête. Les informations reposent sur une combinaison de l'historique vaccinal, basé sur des preuves documentées ou le rappel des soignants. Les résultats des enquêtes sont considérés pour la cohorte de naissance appropriée en fonction de la période de collecte des données.

## ABRÉVIATIONS ET DÉFINITIONS

**BCG:** pourcentage des naissances ayant reçu une dose du vaccin Bacillus Calmette-Guérin.

**DTP1 (DTC1) / DTP3 (DTC3):** pourcentage des nourrissons survivants ayant reçu respectivement la 1re / 3e dose du vaccin contenant l'anatoxine diphtérique et tétanique avec la coqueluche.

**POL3:** pourcentage des nourrissons survivants ayant reçu la 3e dose d'un vaccin contre la poliomyélite, qu'il s'agisse d'un vaccin oral ou inactivé.

**IPV1 (VPI1):** pourcentage des nourrissons survivants ayant reçu au moins une dose de vaccin antipoliomyélitique inactivé (VPI). Dans les pays suivant un calendrier de vaccination recommandant soit (i) une série primaire de trois doses de vaccin antipoliomyélitique oral (VPO) plus au moins une dose de VPI lorsque le VPO est inclus dans la vaccination systématique et/ou dans les campagnes, soit (ii) un calendrier séquentiel incluant le VPI suivi du VPO, les estimations de l'OMS et de l'UNICEF pour le VPI1 reflètent la couverture par au moins une dose systématique de VPI chez les nourrissons de moins d'un an. Pour les pays utilisant exclusivement le vaccin contenant le VPI, c'est-à-dire sans dose recommandée de VPO, les estimations de l'OMS et de l'UNICEF pour le VPI1 correspondent à la couverture de la 1ère dose de VPI.

La production des estimations de couverture pour le VPI, débutée en 2015, n'entraîne aucun changement dans les niveaux de couverture estimés pour la 3e dose de vaccin antipoliomyélitique (POL3). Pour les pays recommandant la vaccination systématique avec une série primaire de trois doses de VPI uniquement, la couverture POL3 estimée par l'OMS et l'UNICEF est équivalente à la couverture estimée avec trois doses de VPI. Pour les pays suivant un calendrier séquentiel, la couverture POL3 estimée repose sur celle de la 3e dose de vaccin antipoliomyélitique, quel que soit le type de vaccin.

**IPV2 (VPI2):** pourcentage des nourrissons survivants ayant reçu une 2e dose de vaccin antipoliomyélitique inactivé (VPI). Les estimations de couverture pour le VPI2 sont produites pour les pays utilisant le VPO.

**MCV1:** pourcentage des nourrissons survivants ayant reçu la 1re dose de vaccin contenant la rougeole. Dans les pays où le calendrier national recommande la 1re dose de MCV à 12 mois ou plus, en fonction de l'épidémiologie de la maladie dans le pays, les estimations de couverture reflètent le pourcentage d'enfants ayant reçu la 1re dose de MCV conformément à la recommandation.

**MCV2:** pourcentage des enfants ayant reçu la 2e dose de vaccin contenant la rougeole conformément au calendrier vaccinal du pays.

**RCV1:** pourcentage des nourrissons survivants ayant reçu la 1re dose de vaccin contenant la rubéole. Les estimations de couverture sont basées sur les estimations de l'OMS et de l'UNICEF pour la dose de vaccin contenant la rougeole qui correspond à la première combinaison vaccin rougeole-rubéole. La couverture déclarée au niveau national pour le RCV n'est pas prise en compte dans l'élaboration de cette estimation.

**HEPB (VHBN):** pourcentage des naissances ayant reçu une dose de vaccin contre l'hépatite B dans les 24 heures suivant l'accouchement. Les estimations de la couverture de la dose à la naissance contre l'hépatite B sont produites uniquement pour les pays ayant une politique universelle de dose à la naissance. Aucune estimation n'est réalisée pour les pays qui recommandent une dose à la naissance uniquement pour les nourrissons nés de mères infectées par le virus de l'hépatite B, ou pour les pays où les informations sont insuffisantes pour déterminer si la vaccination a eu lieu dans les 24 heures suivant la naissance.

**HEPB3 (VHB3):** pourcentage des nourrissons survivants ayant reçu la 3e dose de vaccin contenant l'hépatite B après la dose à la naissance.

**HIB3:** pourcentage des nourrissons survivants ayant reçu la 3e dose de vaccin contenant Haemophilus influenzae de type b.

**ROTAC:** pourcentage des nourrissons survivants ayant reçu la dernière dose recommandée du vaccin contre le rotavirus, qui peut être la 2e ou la 3e dose selon le vaccin.

**PCV3 (VPC3):** pourcentage des nourrissons survivants ayant reçu la 3e dose du vaccin antipneumococcique conjugué. Dans les pays où le calendrier national recommande deux doses pendant la petite enfance et une dose de rappel à 12 mois ou plus en fonction de l'épidémiologie

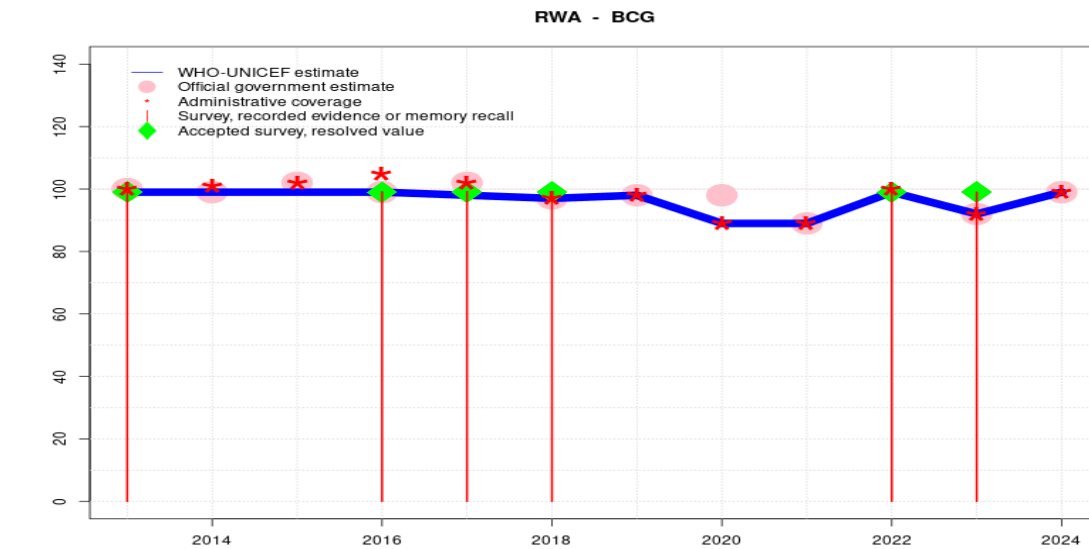
de la maladie dans le pays, les estimations de couverture peuvent refléter le pourcentage des nourrissons survivants ayant reçu deux doses de VPC avant leur premier anniversaire si la couverture pour la dose de rappel n'est pas déclarée.

**YFV (VFA):** pourcentage des nourrissons survivants ayant reçu une dose de vaccin contre la fièvre jaune dans les pays où le VFA fait partie du calendrier national de vaccination des enfants ou est recommandé dans les zones à risque ; les estimations de couverture sont annualisées pour l'ensemble de la cohorte des nourrissons survivants.

**MENGA:** pourcentage des enfants ayant reçu une dose de vaccin conjugué contre le méningocoque A. Les estimations de couverture MENGA sont produites pour les pays situés dans la ceinture de la méningite en Afrique subsaharienne.

Avertissement: Toutes les précautions raisonnables ont été prises par l'Organisation mondiale de la Santé et le Fonds des Nations Unies pour l'enfance pour vérifier les informations contenues dans cette publication. Toutefois, le matériel publié est distribué sans aucune garantie, explicite ou implicite. La responsabilité de l'interprétation et de l'utilisation du matériel incombe au lecteur. En aucun cas, l'Organisation mondiale de la Santé ou le Fonds des Nations Unies pour l'enfance ne sauraient être tenus responsables des dommages résultant de son utilisation.

# Rwanda - BCG



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	99	99	99	99	98	97	98	89	89	99	92	99
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●
Official	100	99	102	99	102	97	98	98	89	-	92	99
Administrative	100	101	102	105	102	97	98	89	89	100	92	99
Survey	99	-	-	99	99	99	-	-	-	99	99	-

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.

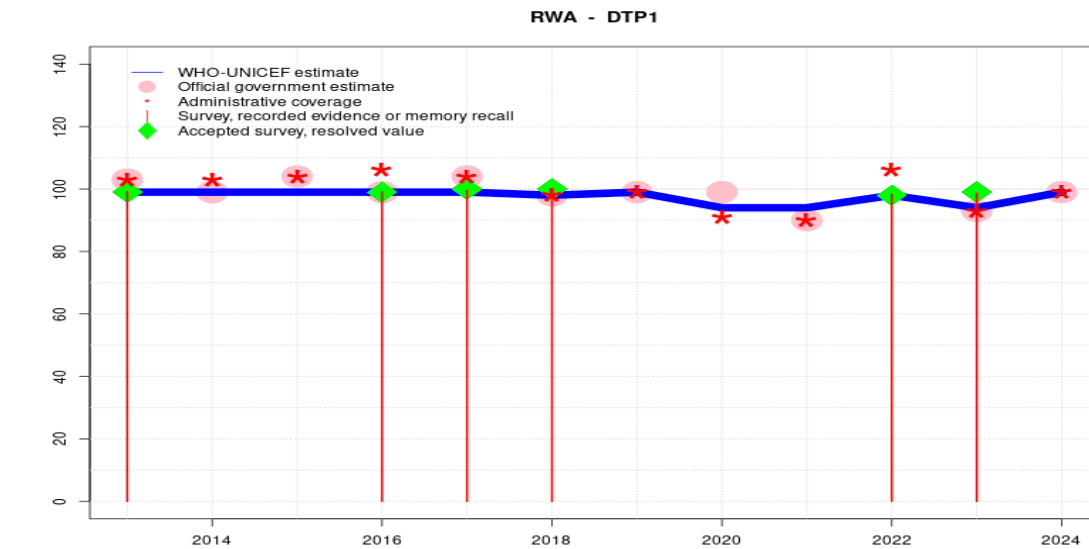
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate informed by reported administrative data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+

# Rwanda - DTP1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	99	99	99	99	99	98	99	94	94	98	94	99
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●	●	●	●	●	●
Official	103	99	104	99	104	98	99	99	90	-	93	99
Administrative	103	103	104	106	104	98	99	91	90	106	93	99
Survey	99	-	-	99	100	100	-	-	-	98	99	-

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: 2024 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.

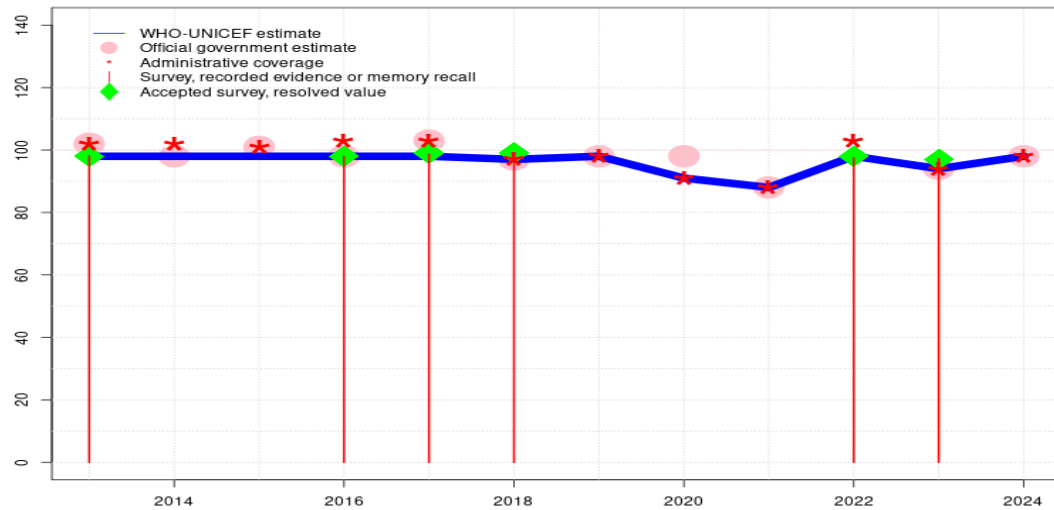
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate based on DTP3 coverage of 94. Survey field work Dec 2023 to Jan 2024. Estimate of 94 percent changed from previous revision value of 99 percent. Estimate challenged by: R-
- 2022: Estimate of 98 percent assigned by working group. Estimate informed by survey result. Reported data excluded because 106 percent greater than 100 percent. Reported data excluded due to an increase from 90 percent to 106 percent with decrease to 93 percent. Estimate challenged by: R-
- 2021: Reported data calibrated to 2018 and 2022 levels. Estimate of 94 percent changed from previous revision value of 96 percent. Estimate challenged by: R-
- 2020: Reported data calibrated to 2018 and 2022 levels. Official estimate based on previous year WHO UNICEF estimated coverage. Estimate of 94 percent changed from previous revision value of 95 percent. Estimate challenged by: R-
- 2019: Reported data calibrated to 2018 and 2022 levels. Estimate challenged by: R-
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 100 percent based on 1 survey(s). Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+

# Rwanda - DTP3

RWA - DTP3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	98	98	98	97	98	91	88	98	94	98
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●
Official	102	98	101	98	103	97	98	98	88	-	94	98
Administrative	102	102	101	103	103	97	98	91	88	103	94	98
Survey	98	-	-	98	99	99	-	-	-	98	97	-

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.

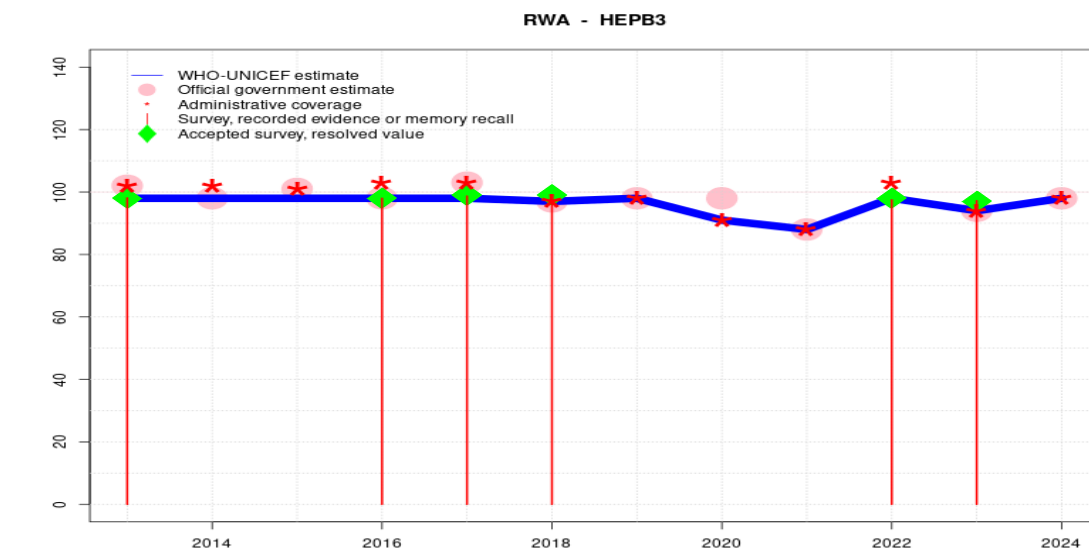
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey.Survey evidence of 97 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+

# Rwanda - HEPB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	98	98	98	97	98	91	88	98	94	98
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●
Official	102	98	101	98	103	97	98	98	88	-	94	98
Administrative	102	102	101	103	103	97	98	91	88	103	94	98
Survey	98	-	-	98	99	99	-	-	-	98	97	-

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: 2024 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.

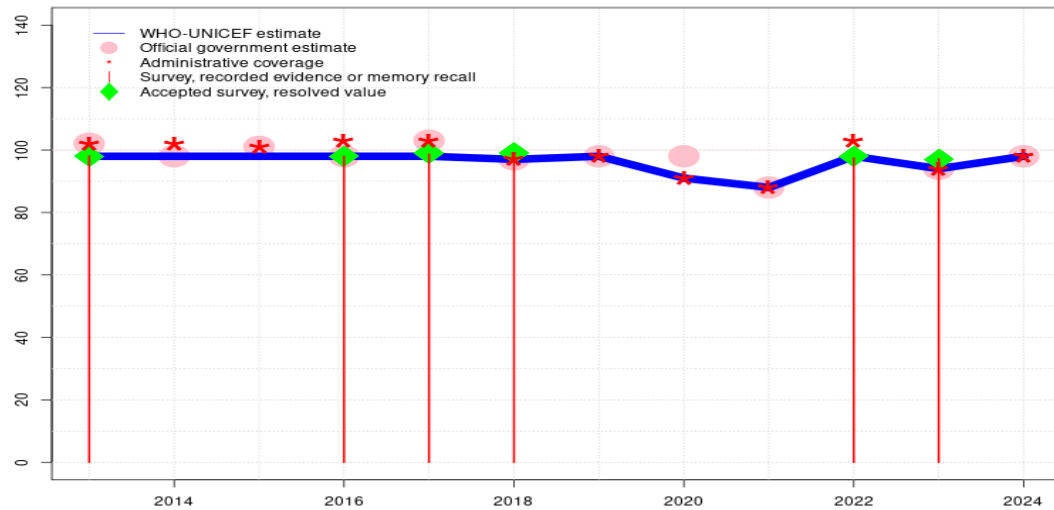
## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey. Survey evidence of 97 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by interpolation between reported data supported by survey. Survey evidence of 98 percent based on 1 survey(s). Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+



# Rwanda - HIB3

RWA - HIB3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	98	98	98	97	98	91	88	98	94	98
Estimate GoC	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●
Official	102	98	101	98	103	97	98	98	88	-	94	98
Administrative	102	102	101	103	103	97	98	91	88	103	94	98
Survey	98	-	-	98	99	99	-	-	-	98	97	-

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: 2024 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.

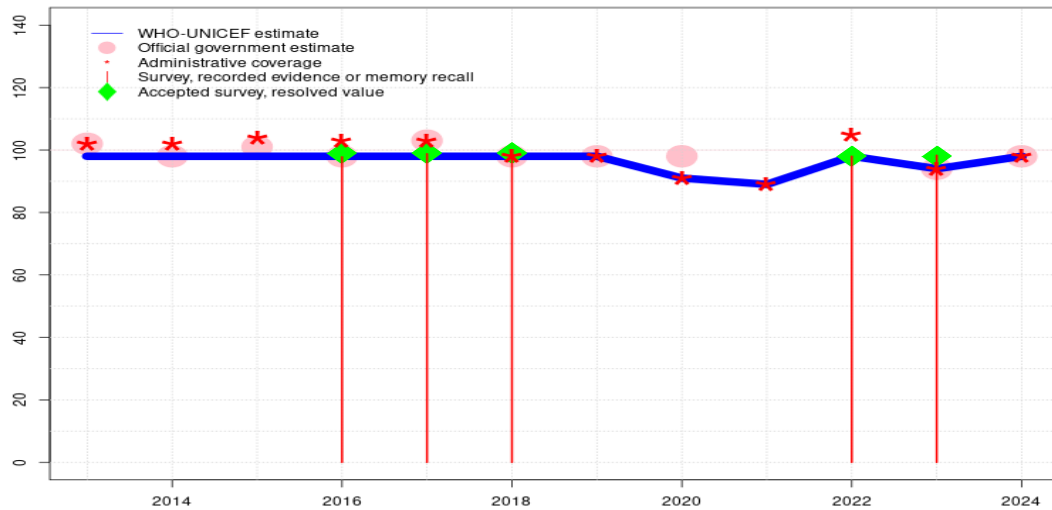
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey. Survey evidence of 97 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate informed by interpolation between reported data supported by survey. Survey evidence of 98 percent based on 1 survey(s). Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+

# Rwanda - ROTAC

RWA - ROTAC



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	98	98	98	98	98	91	89	98	94	98
Estimate GoC	●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●●●	●	●●●	●
Official	102	98	101	98	103	98	98	98	-	-	94	98
Administrative	102	102	104	103	103	98	98	91	89	105	94	98
Survey	-	-	-	98	99	99	-	-	-	98	98	-

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: 2024 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.

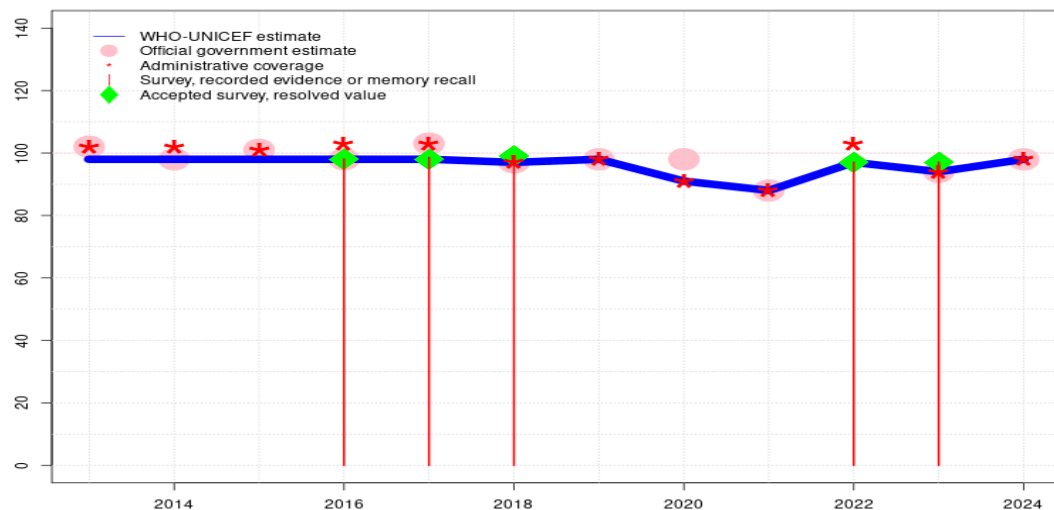
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate based on reported coverage. Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 105 percent greater than 100 percent. Reported data excluded due to an increase from 89 percent to 105 percent with decrease to 94 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported administrative data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). Rwanda Routine Immunization Coverage Survey, 2017 record or recall results of 98 percent modified for recall bias to 99 percent based on 1st dose record or recall coverage of 100 percent, 1st dose record only coverage of 73 percent and 3rd dose record only coverage of 72 percent. The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate based on extrapolation from data reported by national government. Reported data excluded because 102 percent greater than 100 percent. GoC=R+ D+

# Rwanda - PCV3

RWA - PCV3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	98	98	98	97	98	91	88	97	94	98
Estimate GoC	•	•••	•••	•••	•••	•••	•••	•••	•••	•	•••	•
Official	102	98	101	98	103	97	98	98	88	-	94	98
Administrative	102	102	101	103	103	97	98	91	88	103	94	98
Survey	-	-	-	98	99	99	-	-	-	97	97	-

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.

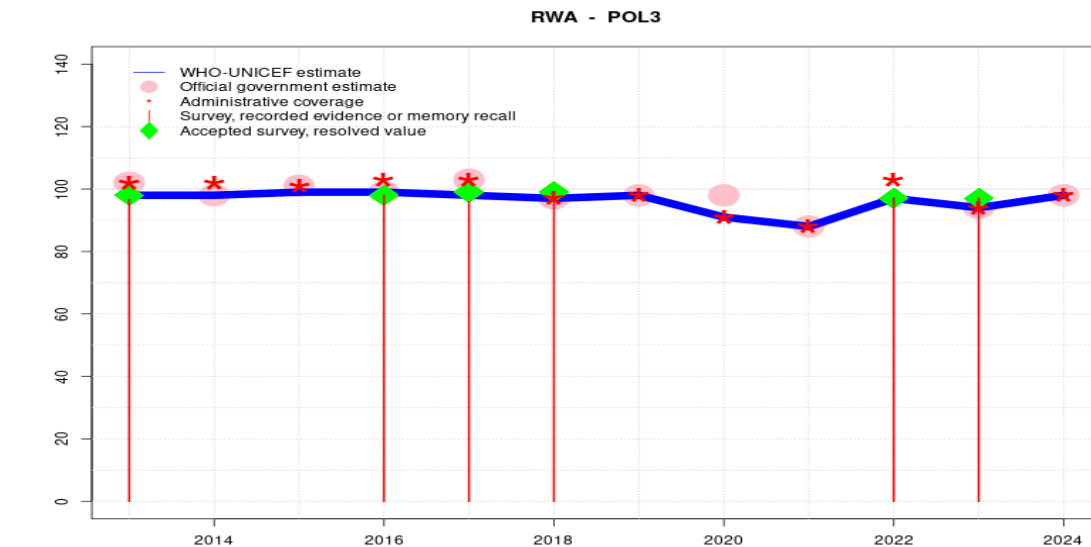
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey.Survey evidence of 97 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate informed by survey result. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 99 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). Rwanda Demographic and Health Survey 2019-2020 record or recall results of 99 percent modified for recall bias to 98 percent based on 1st dose record or recall coverage of 99 percent, 1st dose record only coverage of 93 percent and 3rd dose record only coverage of 92 percent.Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Reported data calibrated to 2012 and 2014 levels. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: R-

# Rwanda - POL3



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	98	98	99	99	98	97	98	91	88	97	94	98
Estimate GoC	•	•••	•••	•••	•••	•••	•••	•••	•••	•	•••	•
Official	102	98	101	99	103	97	98	98	88	-	94	98
Administrative	102	102	101	103	103	97	98	91	88	103	94	98
Survey	97	-	-	98	96	98	-	-	-	97	97	-

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: 2024 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.

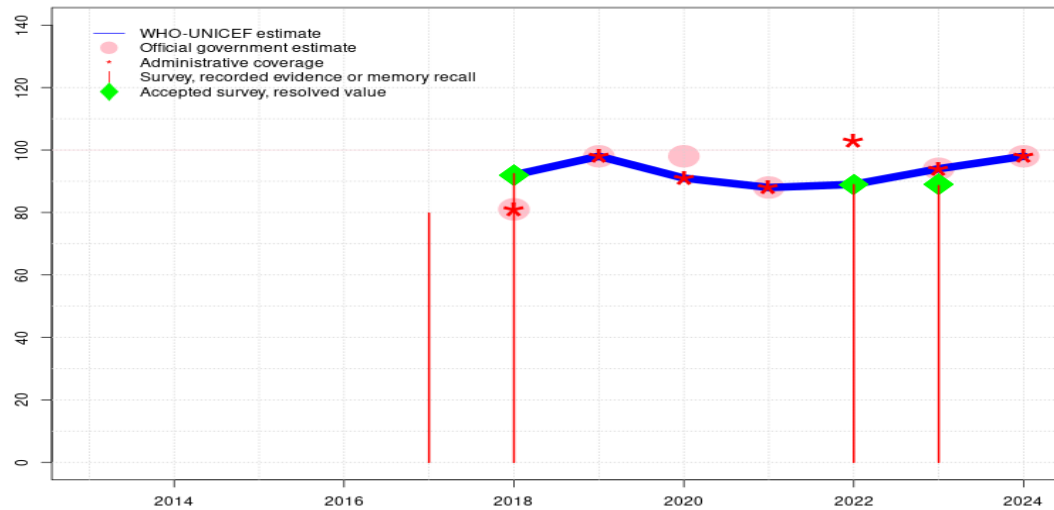
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey. Survey evidence of 97 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). Rwanda Demographic and Health Survey 2019-2020 record or recall results of 98 percent modified for recall bias to 99 percent based on 1st dose record or recall coverage of 100 percent, 1st dose record only coverage of 97 percent and 3rd dose record only coverage of 96 percent. GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey. Survey evidence of 99 percent based on 1 survey(s). Rwanda Demographic and Health Survey 2019-2020 record or recall results of 96 percent modified for recall bias to 99 percent based on 1st dose record or recall coverage of 99 percent, 1st dose record only coverage of 93 percent and 3rd dose record only coverage of 93 percent. Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey. Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate of 98 percent assigned by working group. Estimate informed by survey result. Rwanda Demographic and Health Survey 2014-15 record or recall results of 97 percent modified for recall bias to 98 percent based on 1st dose record or recall coverage of 99 percent, 1st dose record only coverage of 94 percent and 3rd dose record only coverage of 93 percent. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: R-

# Rwanda - IPV1

RWA - IPV1



## Description:

2024: Estimate informed by reported data. Estimate challenged by: D-  
 2023: Estimate informed by reported data supported by survey. Survey evidence of 89 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+  
 2022: Estimate based on survey coverage. Reported data excluded because 103 percent greater than 100 percent. Estimate challenged by: R-  
 2021: Estimate informed by reported data following introduction. Estimate challenged by: R-  
 2020: Estimate informed by reported data following introduction. Official estimate based on previous year WHO UNICEF estimated coverage. Estimate challenged by: R-  
 2019: Estimate informed by reported data. Estimate challenged by: R-  
 2018: Survey evidence does not support reported data. Estimate based on survey result. Survey evidence of 92 percent based on 1 survey(s). Inactivated polio vaccine introduced in March 2018. Estimate challenged by: D-R-

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	-	-	92	98	91	88	89	94	98
Estimate GoC	-	-	-	-	-	●	●	●	●	●	●●●	●
Official	-	-	-	-	-	81	98	98	88	-	94	98
Administrative	-	-	-	-	-	81	98	91	88	103	94	98
Survey	-	-	-	-	80	92	-	-	-	89	89	-

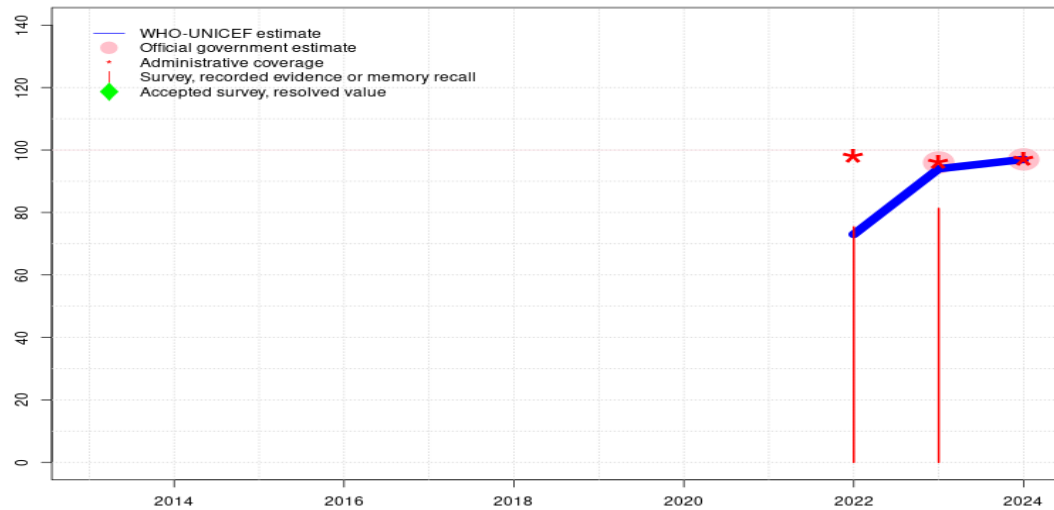
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2024 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.

# Rwanda - IPV2

RWA - IPV2



## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate based on IPV1 coverage. Rwanda Immunization Coverage Survey, 2023-2024 results ignored by working group. Estimate based on reported coverage. Survey close to year of introduction. Survey field work Dec 2023 to Jan 2024. Estimate challenged by: R-
- 2022: Reported coverage reflects that achieved in 75 percent of the national target population. Estimate reflects coverage in the annual national birth cohort. Rwanda Immunization Coverage Survey, 2023-2024 results ignored by working group. Estimate based on reported coverage. Survey close to year of introduction. Second dose of inactivated polio vaccine introduced in 2022. Estimate challenged by: R-

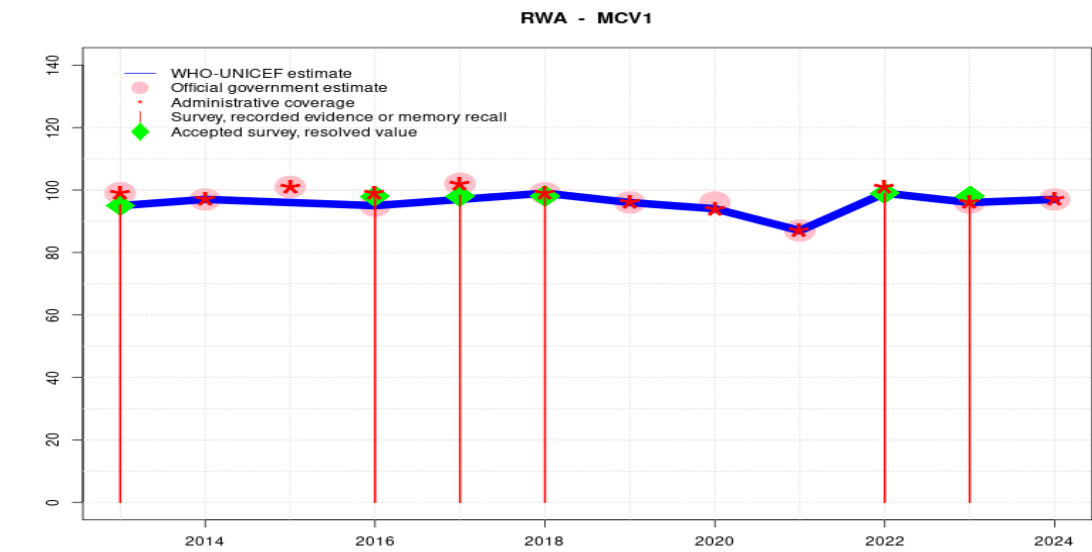
	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	-	-	-	-	-	-	-	73	94	97
Estimate GoC	-	-	-	-	-	-	-	-	-	●	●	●
Official	-	-	-	-	-	-	-	-	-	-	96	97
Administrative	-	-	-	-	-	-	-	-	-	98	96	97
Survey	-	-	-	-	-	-	-	-	-	75	81	-

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: 2024 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.





	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	95	97	96	95	97	99	96	94	87	99	96	97
Estimate GoC	•	•••	•••	•••	•••	•••	•••	•••	•	•	•••	•
Official	99	97	101	95	102	99	96	96	87	-	96	97
Administrative	99	97	101	99	102	99	96	94	87	101	96	97
Survey	95	-	-	98	98	98	-	-	-	99	98	-

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.

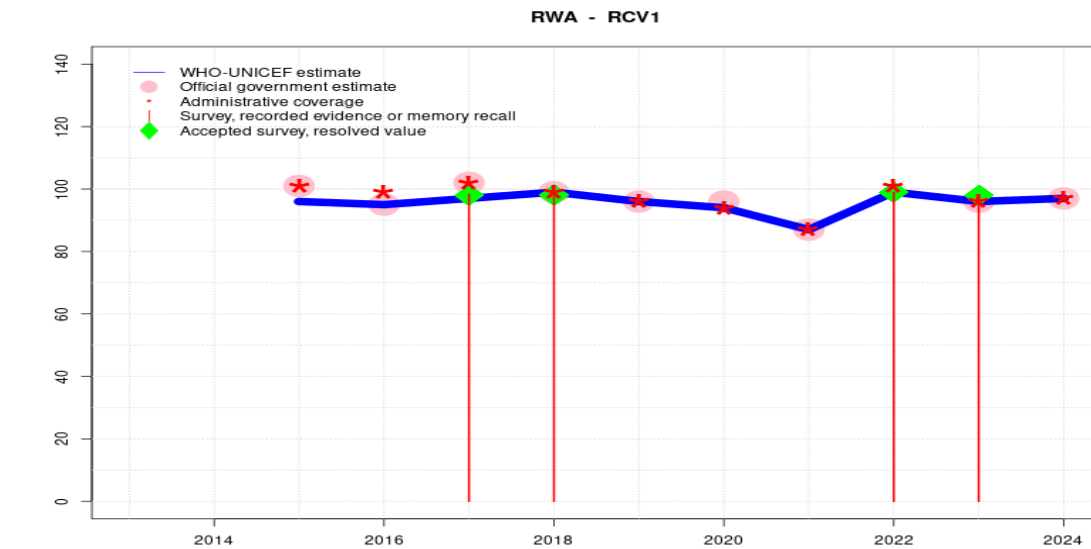
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2024 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2024: Estimate informed by reported data. Estimate challenged by: D-
- 2023: Estimate informed by reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate informed by reported data. Estimate challenged by: S-
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by interpolation between reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate informed by reported data supported by survey.Survey evidence of 98 percent based on 1 survey(s). The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ S+ D+
- 2014: Estimate informed by reported data. GoC=R+ S+ D+
- 2013: Estimate of 95 percent assigned by working group. Estimate informed by survey result. Reported data excluded. Reported coverage for all other antigens is 100 percent or greater thereby suggesting an underestimated target population size. Estimate challenged by: R-

# Rwanda - RCV1



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	96	95	97	99	96	94	87	99	96	97
Estimate GoC	-	-	•••	•••	•••	•••	•••	•••	•	•	•••	•
Official	-	-	101	95	102	99	96	87	-	-	96	97
Administrative	-	-	101	99	102	99	96	94	87	101	96	97
Survey	-	-	-	-	98	98	-	-	-	99	98	-

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: 2024 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.

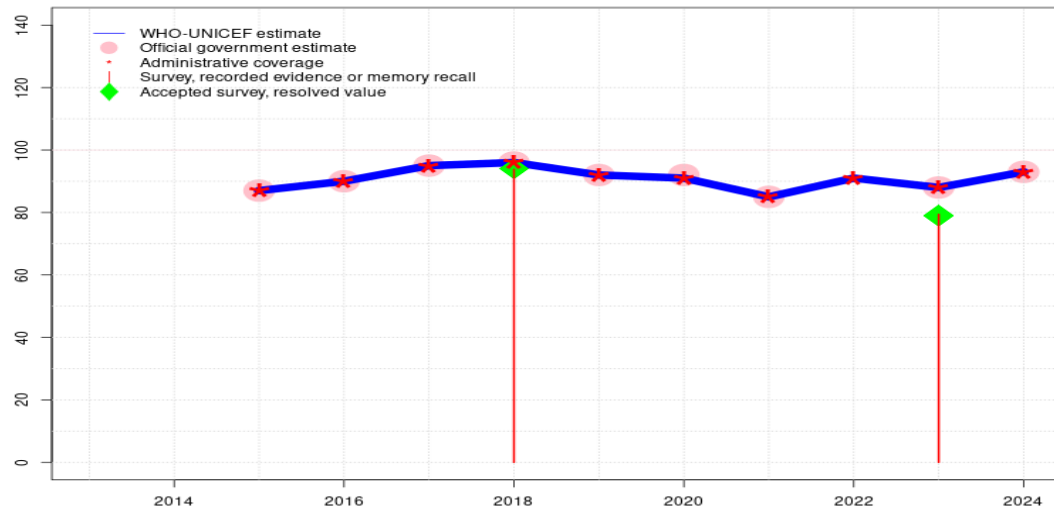
## Description:

- 2024: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2023: Estimate based on estimated MCV1. Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate based on survey coverage. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-
- 2021: Estimate based on estimated MCV1. Estimate challenged by: S-
- 2020: Estimate based on estimated MCV1. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2018: Estimate based on estimated MCV1. GoC=R+ S+ D+
- 2017: Estimate based on estimated MCV1. Reported data excluded because 102 percent greater than 100 percent. GoC=R+ S+ D+
- 2016: Estimate based on estimated MCV1. The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate based on estimated MCV1. Reported data excluded because 101 percent greater than 100 percent. Rubella containing vaccine introduced in July 2014 as measles-rubella combination vaccine. Coverage estimates starting in 2015 for a full birth cohort. GoC=R+ S+ D+



# Rwanda - MCV2

RWA - MCV2



## Description:

- 2024: Estimate informed by reported data. Estimate challenged by: D-S-
- 2023: Estimate informed by reported data supported by survey. Survey evidence of 79 percent based on 1 survey(s). Survey field work Dec 2023 to Jan 2024. GoC=R+ S+ D+
- 2022: Estimate informed by reported administrative data. Estimate challenged by: D-S-
- 2021: Estimate informed by reported data. GoC=R+ S+ D+
- 2020: Estimate informed by reported administrative data. Official estimate based on previous year WHO UNICEF estimated coverage. GoC=R+ S+ D+
- 2019: Estimate informed by reported data. GoC=R+ S+ D+
- 2018: Estimate informed by reported data supported by survey. Survey evidence of 94 percent based on 1 survey(s). GoC=R+ S+ D+
- 2017: Estimate informed by reported data. GoC=R+ S+ D+
- 2016: Estimate informed by reported data. The final results of the 2012 Census were released by the National Institute of Statistics of Rwanda in April 2014. WHO and UNICEF recommend a revision of the reported coverage time series using updated population estimates. GoC=R+ S+ D+
- 2015: Estimate informed by reported data. Second dose of MCV introduced in July 2014, reporting started in 2015. GoC=R+ D+

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Estimate	-	-	87	90	95	96	92	91	85	91	88	93
Estimate GoC	-	-	••	•••	•••	•••	•••	•••	•••	•	•••	•
Official	-	-	87	90	95	96	92	92	85	-	88	93
Administrative	-	-	87	90	95	96	92	91	85	91	88	93
Survey	-	-	-	-	-	94	-	-	-	-	79	-

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: 2024 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.

# Rwanda - Survey Details

**NOTE** A survey to measure vaccination coverage for infants (i.e., children aged 0-11 months) will sample children aged 12-23 months at the time of survey to capture the youngest annual cohort of children who should have completed the vaccination schedule. Because WUENIC are for infant vaccinations, survey data in this report are presented to reflect the birth year of the youngest survey cohort. For example, results for a survey conducted during December 2020 among children aged 12-23 months at the time of the survey reflect the immunization experience of children born in 2019. Depending on the timing of survey field work, results may reflect the immunization experience of children born and vaccinated one or two years prior to the survey field work.

The survey results below present vaccination coverage estimates by antigen, confirmation method, and child's age at the time of the survey. Coverage based on **Recall** reflects information based upon a mother's or caregiver's memory. Coverage based on **Record** reflects information drawn from documented vaccination history in home- and/or facility-based records. **Evidence seen** reflects the percentage of children in the sample with documented evidence of vaccination history seen by the survey team.

## 2023 Rwanda Immunization Coverage Survey, 2023-2024

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	99	12-23 m	3167	92
DTP1	Record or Recall	98.6	12-23 m	3167	92
DTP3	Record or Recall	97.2	12-23 m	3167	92
HEPB1	Record or Recall	98.6	12-23 m	3167	92
HEPB3	Record or Recall	97.2	12-23 m	3167	92
HIB1	Record or Recall	98.6	12-23 m	3167	92
HIB3	Record or Recall	97.2	12-23 m	3167	92
IPV1	Record or Recall	88.6	12-23 m	3167	92
IPV2	Record or Recall	81.3	12-23 m	3167	92
MCV1	Record or Recall	97.9	12-23 m	3167	92
MCV2	Record or Recall	79.4	12-23 m	3167	92
PCV1	Record or Recall	98.5	12-23 m	3167	92
PCV3	Record or Recall	97.1	12-23 m	3167	92
POL1	Record or Recall	98.8	12-23 m	3167	92
POL3	Record or Recall	97	12-23 m	3167	92
RCV1	Record or Recall	97.9	12-23 m	3167	92
ROTAC	Record or Recall	98.3	12-23 m	3167	92

## 2022 Rwanda Immunization Coverage Survey, 2023-2024

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	99	24-35 m	2603	92
DTP1	Record or Recall	98.3	24-35 m	2603	92
DTP3	Record or Recall	97.5	24-35 m	2603	92
HEPB1	Record or Recall	98.3	24-35 m	2603	92
HEPB3	Record or Recall	97.5	24-35 m	2603	92
HIB1	Record or Recall	98.3	24-35 m	2603	92
HIB3	Record or Recall	97.5	24-35 m	2603	92
IPV1	Record or Recall	88.9	24-35 m	2603	92
IPV2	Record or Recall	75.4	24-35 m	2603	92
MCV1	Record or Recall	98.9	24-35 m	2603	92
PCV1	Record or Recall	97.9	24-35 m	2603	92
PCV3	Record or Recall	97.1	24-35 m	2603	92
POL1	Record or Recall	98.2	24-35 m	2603	92
POL3	Record or Recall	97.2	24-35 m	2603	92
RCV1	Record or Recall	98.9	24-35 m	2603	92
ROTAC	Record or Recall	98	24-35 m	2603	92

## 2018 Rwanda Demographic and Health Survey 2019-2020

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	2.6	12-23 m	45	97
BCG	Record	96.7	12-23 m	1588	97
BCG	Record or Recall	99.2	12-23 m	1633	97
BCG	Record or Recall<12m	99.1	12-23 m	1633	97
DTP1	Recall	2.5	12-23 m	45	97
DTP1	Record	97.1	12-23 m	1588	97
DTP1	Record or Recall	99.6	12-23 m	1633	97
DTP1	Record or Recall<12m	99.6	12-23 m	1633	97
DTP3	Recall	2.3	12-23 m	45	97
DTP3	Record	96.7	12-23 m	1588	97
DTP3	Record or Recall	99	12-23 m	1633	97
DTP3	Record or Recall<12m	98.8	12-23 m	1633	97
HEPB1	Recall	2.5	12-23 m	45	97
HEPB1	Record	97.1	12-23 m	1588	97
HEPB1	Record or Recall	99.6	12-23 m	1633	97
HEPB1	Record or Recall<12m	99.6	12-23 m	1633	97
HEPB3	Recall	2.3	12-23 m	45	97

# Rwanda - Survey Details

HEPB3	Record	96.7	12-23 m	1588	97
HEPB3	Record or Recall	99	12-23 m	1633	97
HEPB3	Record or Recall<12m	98.8	12-23 m	1633	97
HIB1	Recall	2.5	12-23 m	45	97
HIB1	Record	97.1	12-23 m	1588	97
HIB1	Record or Recall	99.6	12-23 m	1633	97
HIB1	Record or Recall<12m	99.6	12-23 m	1633	97
HIB3	Recall	2.3	12-23 m	45	97
HIB3	Record	96.7	12-23 m	1588	97
HIB3	Record or Recall	99	12-23 m	1633	97
HIB3	Record or Recall<12m	98.8	12-23 m	1633	97
IPV1	Recall	2.3	12-23 m	45	97
IPV1	Record	90.1	12-23 m	1588	97
IPV1	Record or Recall	92.4	12-23 m	1633	97
IPV1	Record or Recall<12m	92.2	12-23 m	1633	97
MCV1	Recall	2.5	12-23 m	45	97
MCV1	Record	95.2	12-23 m	1588	97
MCV1	Record or Recall	97.8	12-23 m	1633	97
MCV1	Record or Recall<12m	95.5	12-23 m	1633	97
MCV2	Recall	5.7	24-35 m	115	-
MCV2	Record	88.1	24-35 m	1516	-
MCV2	Record or Recall	93.8	24-35 m	1631	-
MCV2	Record or Recall<12m	92.4	24-35 m	1631	-
PCV1	Recall	2.5	12-23 m	45	97
PCV1	Record	97.1	12-23 m	1588	97
PCV1	Record or Recall	99.6	12-23 m	1633	97
PCV1	Record or Recall<12m	99.6	12-23 m	1633	97
PCV3	Recall	2.3	12-23 m	45	97
PCV3	Record	96.6	12-23 m	1588	97
PCV3	Record or Recall	98.8	12-23 m	1633	97
PCV3	Record or Recall<12m	98.6	12-23 m	1633	97
POL1	Recall	2.5	12-23 m	45	97
POL1	Record	97.1	12-23 m	1588	97
POL1	Record or Recall	99.6	12-23 m	1633	97
POL1	Record or Recall<12m	99.6	12-23 m	1633	97
POL3	Recall	1.3	12-23 m	45	97
POL3	Record	96.4	12-23 m	1588	97
POL3	Record or Recall	97.7	12-23 m	1633	97
POL3	Record or Recall<12m	97.6	12-23 m	1633	97
RCV1	Recall	2.5	12-23 m	45	97

RCV1	Record	95.2	12-23 m	1588	97
RCV1	Record or Recall	97.8	12-23 m	1633	97
RCV1	Record or Recall<12m	95.5	12-23 m	1633	97
ROTAC	Recall	2.5	12-23 m	45	97
ROTAC	Record	96.8	12-23 m	1588	97
ROTAC	Record or Recall	99.3	12-23 m	1633	97
ROTAC	Record or Recall<12m	98.7	12-23 m	1633	97

## 2017 Rwanda Demographic and Health Survey 2019-2020

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	6.9	24-35 m	115	-
BCG	Record	92.4	24-35 m	1516	-
BCG	Record or Recall	99.2	24-35 m	1631	-
BCG	Record or Recall<12m	98.6	24-35 m	1631	-
DTP1	Recall	6.7	24-35 m	115	-
DTP1	Record	92.7	24-35 m	1516	-
DTP1	Record or Recall	99.5	24-35 m	1631	-
DTP1	Record or Recall<12m	99.3	24-35 m	1631	-
DTP3	Recall	6.1	24-35 m	115	-
DTP3	Record	92.6	24-35 m	1516	-
DTP3	Record or Recall	98.7	24-35 m	1631	-
DTP3	Record or Recall<12m	97.9	24-35 m	1631	-
HEPB1	Recall	6.7	24-35 m	115	-
HEPB1	Record	92.7	24-35 m	1516	-
HEPB1	Record or Recall	99.5	24-35 m	1631	-
HEPB1	Record or Recall<12m	99.3	24-35 m	1631	-
HEPB3	Recall	6.1	24-35 m	115	-
HEPB3	Record	92.6	24-35 m	1516	-
HEPB3	Record or Recall	98.7	24-35 m	1631	-
HEPB3	Record or Recall<12m	97.9	24-35 m	1631	-
HIB1	Recall	6.7	24-35 m	115	-
HIB1	Record	92.7	24-35 m	1516	-
HIB1	Record or Recall	99.5	24-35 m	1631	-
HIB1	Record or Recall<12m	99.3	24-35 m	1631	-
HIB3	Recall	6.1	24-35 m	115	-
HIB3	Record	92.6	24-35 m	1516	-
HIB3	Record or Recall	98.7	24-35 m	1631	-
HIB3	Record or Recall<12m	97.9	24-35 m	1631	-

# Rwanda - Survey Details

IPV1	Recall	4.7	24-35 m	115	-	DTP1	Recall	26.2	12-23 m	514	75
IPV1	Record	75.1	24-35 m	1516	-	DTP1	Record	72.9	12-23 m	514	75
IPV1	Record or Recall	79.8	24-35 m	1631	-	DTP1	Record or Recall	99.1	12-23 m	514	75
IPV1	Record or Recall<12m	79.4	24-35 m	1631	-	DTP3	Recall	25.9	12-23 m	514	75
MCV1	Recall	6.4	24-35 m	115	-	DTP3	Record	72.1	12-23 m	514	75
MCV1	Record	91.9	24-35 m	1516	-	DTP3	Record or Recall	98	12-23 m	514	75
MCV1	Record or Recall	98.3	24-35 m	1631	-	HEPB1	Recall	26.2	12-23 m	514	75
MCV1	Record or Recall<12m	95.4	24-35 m	1631	-	HEPB1	Record	72.9	12-23 m	514	75
PCV1	Recall	6.8	24-35 m	115	-	HEPB1	Record or Recall	99.1	12-23 m	514	75
PCV1	Record	92.7	24-35 m	1516	-	HEPB3	Recall	25.9	12-23 m	514	75
PCV1	Record or Recall	99.4	24-35 m	1631	-	HEPB3	Record	72.1	12-23 m	514	75
PCV1	Record or Recall<12m	99.3	24-35 m	1631	-	HEPB3	Record or Recall	98	12-23 m	514	75
PCV3	Recall	6.3	24-35 m	115	-	HIB1	Recall	26.2	12-23 m	514	75
PCV3	Record	92.3	24-35 m	1516	-	HIB1	Record	72.9	12-23 m	514	75
PCV3	Record or Recall	98.6	24-35 m	1631	-	HIB1	Record or Recall	99.1	12-23 m	514	75
PCV3	Record or Recall<12m	97.9	24-35 m	1631	-	HIB3	Recall	25.9	12-23 m	514	75
POL1	Recall	6.5	24-35 m	115	-	HIB3	Record	72.1	12-23 m	514	75
POL1	Record	92.7	24-35 m	1516	-	HIB3	Record or Recall	98	12-23 m	514	75
POL1	Record or Recall	99.3	24-35 m	1631	-	MCV1	Recall	27.4	12-23 m	514	75
POL1	Record or Recall<12m	99.1	24-35 m	1631	-	MCV1	Record	70.6	12-23 m	514	75
POL3	Recall	3.5	24-35 m	115	-	MCV1	Record or Recall	98	12-23 m	514	75
POL3	Record	92.5	24-35 m	1516	-	PCV1	Recall	26.3	12-23 m	514	75
POL3	Record or Recall	95.9	24-35 m	1631	-	PCV1	Record	72.9	12-23 m	514	75
POL3	Record or Recall<12m	95.7	24-35 m	1631	-	PCV1	Record or Recall	99.2	12-23 m	514	75
RCV1	Recall	6.4	24-35 m	115	-	PCV3	Recall	26	12-23 m	514	75
RCV1	Record	91.9	24-35 m	1516	-	PCV3	Record	72.1	12-23 m	514	75
RCV1	Record or Recall	98.3	24-35 m	1631	-	PCV3	Record or Recall	98.1	12-23 m	514	75
RCV1	Record or Recall<12m	95.4	24-35 m	1631	-	POL1	Recall	26.3	12-23 m	514	75
ROTAC	Recall	6.5	24-35 m	115	-	POL1	Record	72.9	12-23 m	514	75
ROTAC	Record	92.2	24-35 m	1516	-	POL1	Record or Recall	99.2	12-23 m	514	75
ROTAC	Record or Recall	98.8	24-35 m	1631	-	POL3	Recall	26.1	12-23 m	514	75
ROTAC	Record or Recall<12m	97.8	24-35 m	1631	-	POL3	Record	71.9	12-23 m	514	75
						POL3	Record or Recall	98	12-23 m	514	75
						ROTAC	Recall	25.7	12-23 m	514	75
						ROTAC	Record	72.1	12-23 m	514	75
						ROTAC	Record or Recall	97.8	12-23 m	514	75

## 2016 Rwanda Routine Immunization Coverage Survey, 2017

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	26.9	12-23 m	514	75
BCG	Record	72.2	12-23 m	514	75
BCG	Record or Recall	99.1	12-23 m	514	75

## 2013 Rwanda Demographic and Health Survey 2014-15

# Rwanda - Survey Details

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	5.3	12-23 m	96	94
BCG	Record	93.6	12-23 m	1485	94
BCG	Record or Recall	98.9	12-23 m	1581	94
BCG	Record or Recall<12m	98.9	12-23 m	1581	94
DTP1	Recall	5.3	12-23 m	96	94
DTP1	Record	93.8	12-23 m	1485	94
DTP1	Record or Recall	99.1	12-23 m	1581	94
DTP1	Record or Recall<12m	98.9	12-23 m	1581	94
DTP3	Recall	5	12-23 m	96	94
DTP3	Record	93.2	12-23 m	1485	94
DTP3	Record or Recall	98.1	12-23 m	1581	94
DTP3	Record or Recall<12m	98.1	12-23 m	1581	94
HEPB1	Recall	5.3	12-23 m	96	94
HEPB1	Record	93.8	12-23 m	1485	94
HEPB1	Record or Recall	99.1	12-23 m	1581	94
HEPB1	Record or Recall<12m	98.9	12-23 m	1581	94
HEPB3	Recall	5	12-23 m	96	94
HEPB3	Record	93.2	12-23 m	1485	94
HEPB3	Record or Recall	98.1	12-23 m	1581	94
HEPB3	Record or Recall<12m	98.1	12-23 m	1581	94
HIB1	Recall	5.3	12-23 m	96	94
HIB1	Record	93.8	12-23 m	1485	94
HIB1	Record or Recall	99.1	12-23 m	1581	94
HIB1	Record or Recall<12m	98.9	12-23 m	1581	94
HIB3	Recall	5	12-23 m	96	94
HIB3	Record	93.2	12-23 m	1485	94
HIB3	Record or Recall	98.1	12-23 m	1581	94
HIB3	Record or Recall<12m	98.1	12-23 m	1581	94
MCV1	Recall	5.1	12-23 m	96	94
MCV1	Record	90.1	12-23 m	1485	94
MCV1	Record or Recall	95.2	12-23 m	1581	94
MCV1	Record or Recall<12m	88.7	12-23 m	1581	94
POL1	Recall	5.2	12-23 m	96	94
POL1	Record	93.9	12-23 m	1485	94
POL1	Record or Recall	99.1	12-23 m	1581	94
POL1	Record or Recall<12m	99	12-23 m	1581	94
POL3	Recall	3.4	12-23 m	96	94
POL3	Record	93.2	12-23 m	1485	94
POL3	Record or Recall	96.6	12-23 m	1581	94

POL3    Record or Recall<12m    96.6    12-23 m    1581    94

2012 Integrated Post Measles-Rubella campaign and Routine Immunization  
Coverage Evaluation Survey 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record	99	12-23 m	-	80
BCG	Record or Recall	99	12-23 m	8563	80
BCG	Scar	98	12-23 m	-	80
DTP1	Record	75	12-23 m	-	80
DTP1	Record or Recall	99	12-23 m	8563	80
DTP3	Record	74	12-23 m	-	80
DTP3	Record or Recall	98	12-23 m	8563	80
HEPB1	Record	75	12-23 m	-	80
HEPB1	Record or Recall	99	12-23 m	8563	80
HEPB3	Record	74	12-23 m	-	80
HEPB3	Record or Recall	98	12-23 m	8563	80
HIB1	Record	75	12-23 m	-	80
HIB1	Record or Recall	99	12-23 m	8563	80
HIB3	Record	74	12-23 m	-	80
HIB3	Record or Recall	98	12-23 m	8563	80
MCV1	Record	71	12-23 m	-	80
MCV1	Record or Recall	97	12-23 m	8563	80
PCV1	Record	75	12-23 m	-	80
PCV1	Record or Recall	98	12-23 m	8563	80
PCV3	Record	73.9	12-23 m	-	80
PCV3	Record or Recall	98	12-23 m	8563	80
POL3	Record	74	12-23 m	-	80
POL3	Record or Recall	98	12-23 m	8563	80

2012 Rwanda Demographic and Health Survey 2014-15

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	98.6	24-35 m	1555	-
DTP1	Record or Recall<12m	98.5	24-35 m	1555	-
DTP3	Record or Recall<12m	97.6	24-35 m	1555	-
HEPB1	Record or Recall<12m	98.5	24-35 m	1555	-

# Rwanda - Survey Details

HEPB3	Record or Recall<12m	97.6	24-35 m	1555	-						
HIB1	Record or Recall<12m	98.5	24-35 m	1555	-						
HIB3	Record or Recall<12m	97.6	24-35 m	1555	-						
MCV1	Record or Recall<12m	91.6	24-35 m	1555	-						
POL1	Record or Recall<12m	98.6	24-35 m	1555	-						
POL3	Record or Recall<12m	94.5	24-35 m	1555	-						

## 2011 Rwanda Demographic and Health Survey 2014-15

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen						
BCG	Record or Recall<12m	98.3	36-47 m	1602	-		Vaccine	Confirmation method	Coverage	Age cohort	Sample Evidence seen
DTP1	Record or Recall<12m	98.7	36-47 m	1602	-		BCG	Recall	17	12-23 m	1616 82
DTP3	Record or Recall<12m	97.3	36-47 m	1602	-		BCG	Record	82.1	12-23 m	1616 82
HEPB1	Record or Recall<12m	98.7	36-47 m	1602	-		BCG	Record or Recall	99.1	12-23 m	1616 82
HEPB3	Record or Recall<12m	97.3	36-47 m	1602	-		BCG	Record or Recall<12m	98.9	12-23 m	1616 82
HIB1	Record or Recall<12m	98.7	36-47 m	1602	-		DTP1	Recall	16.7	12-23 m	1616 82
HIB3	Record or Recall<12m	97.3	36-47 m	1602	-		DTP1	Record	82.2	12-23 m	1616 82
MCV1	Record or Recall<12m	90.7	36-47 m	1602	-		DTP1	Record or Recall	98.8	12-23 m	1616 82
POL1	Record or Recall<12m	98.6	36-47 m	1602	-		DTP1	Record or Recall<12m	98.5	12-23 m	1616 82
POL3	Record or Recall<12m	94.2	36-47 m	1602	-		DTP3	Recall	15.9	12-23 m	1616 82

## 2010 Rwanda Demographic and Health Survey 2014-15

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen						
BCG	Record or Recall<12m	98.1	48-59 m	1314	-		DTP3	Record	80.9	12-23 m	1616 82
DTP1	Record or Recall<12m	98	48-59 m	1314	-		DTP3	Record or Recall	96.8	12-23 m	1616 82
DTP3	Record or Recall<12m	96.5	48-59 m	1314	-		DTP3	Record or Recall<12m	96.3	12-23 m	1616 82
HEPB1	Record or Recall<12m	98	48-59 m	1314	-		HEPB1	Recall	16.7	12-23 m	1616 82
HEPB3	Record or Recall<12m	96.5	48-59 m	1314	-		HEPB1	Record	82.2	12-23 m	1616 82
HIB1	Record or Recall<12m	98	48-59 m	1314	-		HEPB1	Record or Recall	98.8	12-23 m	1616 82
HIB3	Record or Recall<12m	96.5	48-59 m	1314	-		HEPB1	Record or Recall<12m	98.5	12-23 m	1616 82
MCV1	Record or Recall<12m	90.1	48-59 m	1314	-		HEPB3	Recall	15.9	12-23 m	1616 82
POL1	Record or Recall<12m	98	48-59 m	1314	-		HEPB3	Record	80.9	12-23 m	1616 82
POL3	Record or Recall<12m	91	48-59 m	1314	-		HEPB3	Record or Recall	96.8	12-23 m	1616 82

## 2009 Rwanda Demographic and Health Survey 2010

POL1	Recall	17	12-23 m	1616	82
POL1	Record	82.2	12-23 m	1616	82
POL1	Record or Recall	99.2	12-23 m	1616	82
POL1	Record or Recall<12m	98.9	12-23 m	1616	82
POL3	Recall	12.3	12-23 m	1616	82
POL3	Record	81	12-23 m	1616	82

# Rwanda - Survey Details

POL3	Record or Recall	93.3	12-23 m	1616	82
POL3	Record or Recall<12m	92.8	12-23 m	1616	82

## 2007 Rwanda Interim Demographic and Health Survey 2007-08

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	28.7	12-23 m	1226	67
BCG	Record	66.8	12-23 m	1226	67
BCG	Record or Recall	95.5	12-23 m	1226	67
BCG	Record or Recall<12m	95.2	12-23 m	1226	67
DTP1	Recall	28.1	12-23 m	1226	67
DTP1	Record	66.8	12-23 m	1226	67
DTP1	Record or Recall	94.8	12-23 m	1226	67
DTP1	Record or Recall<12m	94.3	12-23 m	1226	67
DTP3	Recall	23.7	12-23 m	1226	67
DTP3	Record	66.1	12-23 m	1226	67
DTP3	Record or Recall	89.8	12-23 m	1226	67
DTP3	Record or Recall<12m	88.5	12-23 m	1226	67
HEPB1	Recall	28.1	12-23 m	1226	67
HEPB1	Record	66.8	12-23 m	1226	67
HEPB1	Record or Recall	94.8	12-23 m	1226	67
HEPB1	Record or Recall<12m	94.3	12-23 m	1226	67
HEPB3	Recall	23.7	12-23 m	1226	67
HEPB3	Record	66.1	12-23 m	1226	67
HEPB3	Record or Recall	89.8	12-23 m	1226	67
HEPB3	Record or Recall<12m	88.5	12-23 m	1226	67
HIB1	Recall	28.1	12-23 m	1226	67
HIB1	Record	66.8	12-23 m	1226	67
HIB1	Record or Recall	94.8	12-23 m	1226	67
HIB1	Record or Recall<12m	94.3	12-23 m	1226	67
HIB3	Recall	23.7	12-23 m	1226	67
HIB3	Record	66.1	12-23 m	1226	67
HIB3	Record or Recall	89.8	12-23 m	1226	67
HIB3	Record or Recall<12m	88.5	12-23 m	1226	67
MCV1	Recall	26.3	12-23 m	1226	67
MCV1	Record	64.1	12-23 m	1226	67
MCV1	Record or Recall	90.4	12-23 m	1226	67
MCV1	Record or Recall<12m	82.9	12-23 m	1226	67
POL1	Recall	28.7	12-23 m	1226	67

POL1	Record	66.9	12-23 m	1226	67
POL1	Record or Recall	95.6	12-23 m	1226	67
POL1	Record or Recall<12m	94.9	12-23 m	1226	67
POL3	Recall	19.7	12-23 m	1226	67
POL3	Record	65.8	12-23 m	1226	67
POL3	Record or Recall	85.5	12-23 m	1226	67
POL3	Record or Recall<12m	84.5	12-23 m	1226	67

## 2006 Enquête nationale de couverture vaccinale à Rwanda, 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record	93.9	12-23 m	1049	82
BCG	Record or Recall	97.8	12-23 m	1049	82
DTP1	Record	98.7	12-23 m	1049	82
DTP1	Record or Recall	98.7	12-23 m	1049	82
DTP3	Record	96.7	12-23 m	1049	82
DTP3	Record or Recall	97	12-23 m	1049	82
HEPB1	Record	98.7	12-23 m	1049	82
HEPB1	Record or Recall	98.7	12-23 m	1049	82
HEPB3	Record	96.7	12-23 m	1049	82
HEPB3	Record or Recall	97	12-23 m	1049	82
HIB1	Record	98.7	12-23 m	1049	82
HIB1	Record or Recall	98.7	12-23 m	1049	82
HIB3	Record	96.7	12-23 m	1049	82
HIB3	Record or Recall	97	12-23 m	1049	82
MCV1	Record	95.2	12-23 m	1049	82
MCV1	Record or Recall	95.7	12-23 m	1049	82
POL1	Record	98.1	12-23 m	1049	82
POL1	Record or Recall	98.3	12-23 m	1049	82
POL3	Record	97.1	12-23 m	1049	82
POL3	Record or Recall	97.2	12-23 m	1049	82

## 2004 Rwanda Demographic and Health Survey 2005

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	21.3	12-23 m	1626	76
BCG	Record	75.1	12-23 m	1626	76

# Rwanda - Survey Details

BCG	Record or Recall	96.5	12-23 m	1626	76
BCG	Record or Recall<12m	96.4	12-23 m	1626	76
DTP1	Recall	21.1	12-23 m	1626	76
DTP1	Record	75.7	12-23 m	1626	76
DTP1	Record or Recall	96.8	12-23 m	1626	76
DTP1	Record or Recall<12m	96.5	12-23 m	1626	76
DTP3	Recall	14.3	12-23 m	1626	76
DTP3	Record	72.7	12-23 m	1626	76
DTP3	Record or Recall	87	12-23 m	1626	76
DTP3	Record or Recall<12m	86.4	12-23 m	1626	76
MCV1	Recall	18.7	12-23 m	1626	76
MCV1	Record	66.9	12-23 m	1626	76
MCV1	Record or Recall	85.6	12-23 m	1626	76
MCV1	Record or Recall<12m	79.4	12-23 m	1626	76
POL1	Recall	20.9	12-23 m	1626	76
POL1	Record	75.6	12-23 m	1626	76
POL1	Record or Recall	96.5	12-23 m	1626	76
POL1	Record or Recall<12m	96.2	12-23 m	1626	76
POL3	Recall	11.6	12-23 m	1626	76
POL3	Record	72.7	12-23 m	1626	76
POL3	Record or Recall	84.3	12-23 m	1626	76
POL3	Record or Recall<12m	83.7	12-23 m	1626	76

2002 Rwanda, Evaluation de la campagne contre la rougeole et la vaccination de routine, 2003 - documentation not available

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	99	12-23 m	-	79
DTP1	Record or Recall<12m	97	12-23 m	-	79
DTP3	Record or Recall<12m	92	12-23 m	-	79
MCV1	Record or Recall<12m	92	12-23 m	-	79
POL3	Record or Recall<12m	87	12-23 m	-	79

1999 Enquête à Indicateurs Multiples (MICS2), Rapport Final, 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	19.6	12-23 m	596	72

BCG	Record	71.2	12-23 m	596	72
BCG	Record or Recall	90.7	12-23 m	596	72
DTP1	Recall	19.9	12-23 m	596	72
DTP1	Record	70.3	12-23 m	596	72
DTP1	Record or Recall	90.3	12-23 m	596	72
DTP3	Recall	13.8	12-23 m	596	72
DTP3	Record	67.8	12-23 m	596	72
DTP3	Record or Recall	80.9	12-23 m	596	72
MCV1	Recall	19.4	12-23 m	596	72
MCV1	Record	62.7	12-23 m	596	72
MCV1	Record or Recall	82.1	12-23 m	596	72
POL1	Recall	20.9	12-23 m	596	72
POL1	Record	70.1	12-23 m	596	72
POL1	Record or Recall	91.5	12-23 m	596	72
POL3	Recall	11.4	12-23 m	596	72
POL3	Record	68.4	12-23 m	596	72
POL3	Record or Recall	79.8	12-23 m	596	72

1999 Enquête Démographique et de Santé Rwanda 2000 (EDSR-II), 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Recall	31.4	12-23 m	1330	66
BCG	Record	65.6	12-23 m	1330	66
BCG	Record or Recall	97	12-23 m	1330	66
BCG	Record or Recall<12m	96.5	12-23 m	1330	66
DTP1	Recall	30	12-23 m	1330	66
DTP1	Record	65.5	12-23 m	1330	66
DTP1	Record or Recall	95.5	12-23 m	1330	66
DTP1	Record or Recall<12m	94.9	12-23 m	1330	66
DTP3	Recall	22.9	12-23 m	1330	66
DTP3	Record	63.2	12-23 m	1330	66
DTP3	Record or Recall	86	12-23 m	1330	66
DTP3	Record or Recall<12m	84.9	12-23 m	1330	66
MCV1	Recall	27.8	12-23 m	1330	66
MCV1	Record	59.1	12-23 m	1330	66
MCV1	Record or Recall	86.9	12-23 m	1330	66
MCV1	Record or Recall<12m	79.9	12-23 m	1330	66
POL1	Recall	30.8	12-23 m	1330	66
POL1	Record	65.7	12-23 m	1330	66



POL1	Record or Recall	96.5	12-23 m	1330	66
POL1	Record or Recall<12m	95.9	12-23 m	1330	66
POL3	Recall	23.7	12-23 m	1330	66
POL3	Record	63.8	12-23 m	1330	66
POL3	Record or Recall	87.6	12-23 m	1330	66
POL3	Record or Recall<12m	86.8	12-23 m	1330	66

1998 Enquête Démographique et de Santé Rwanda 2000 (EDSR-II), 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	93.8	24-35 m	1232	-
DTP1	Record or Recall<12m	90.9	24-35 m	1232	-
DTP3	Record or Recall<12m	78.6	24-35 m	1232	-
MCV1	Record or Recall<12m	80.5	24-35 m	1232	-
POL1	Record or Recall<12m	93.4	24-35 m	1232	-
POL3	Record or Recall<12m	79.7	24-35 m	1232	-

1998 Rapport d’Evaluation de la Couverture Vaccinale au Niveau des Onze Regions Sanitaires, Mai-Juni 1999

Further information and estimates for previous years are available at:  
<https://data.unicef.org/topic/child-health/immunization/>  
<https://immunizationdata.who.int/listing.html>

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall	94	12-23 m	-	-
DTP1	Record or Recall	93	12-23 m	-	-
DTP3	Record or Recall	85	12-23 m	-	-
MCV1	Record or Recall	78	12-23 m	-	-
POL1	Record or Recall	93	12-23 m	-	-
POL3	Record or Recall	85	12-23 m	-	-

1997 Enquête Démographique et de Santé Rwanda 2000 (EDSR-II), 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Evidence seen
BCG	Record or Recall<12m	95.7	36-47 m	1297	-
DTP1	Record or Recall<12m	91.9	36-47 m	1297	-
DTP3	Record or Recall<12m	79.5	36-47 m	1297	-
MCV1	Record or Recall<12m	73.6	36-47 m	1297	-
POL1	Record or Recall<12m	94	36-47 m	1297	-
POL3	Record or Recall<12m	81.7	36-47 m	1297	-