Dominican Republic: WHO and UNICEF estimates of immunization coverage: 2022 revision
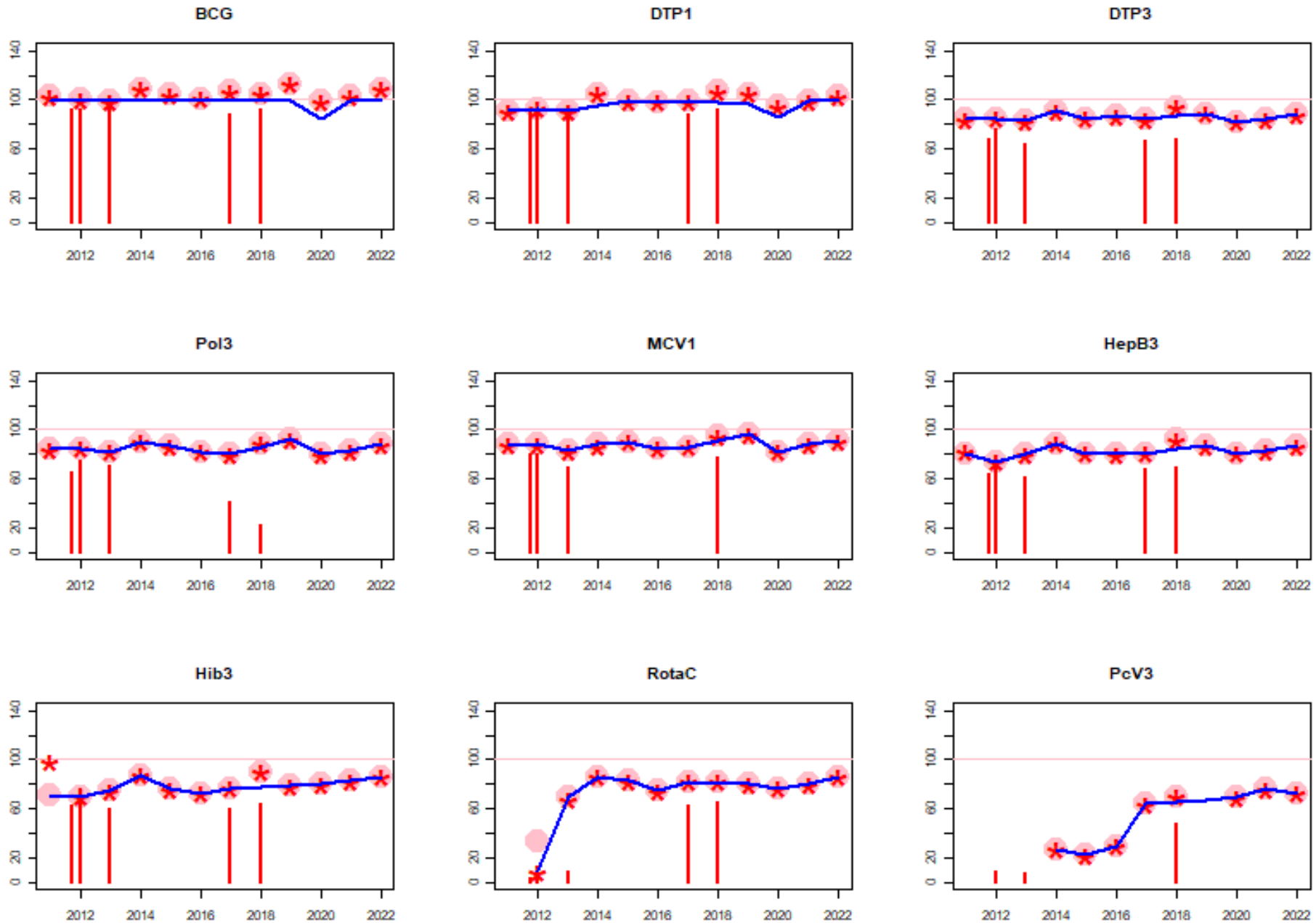
BACKGROUND NOTE: Each year WHO and UNICEF jointly review reports submitted by Member States regarding national immunization coverage, finalized survey reports as well as data from the published and grey literature. Based on these data, with due consideration to potential biases and the views of local experts, WHO and UNICEF attempt to distinguish between situations where the available empirical data accurately reflect immunization system performance and those where the data are likely to be compromised and present a misleading view of immunization coverage while jointly estimating the most likely coverage levels for each country.

WHO and UNICEF estimates are country-specific; that is to say, each country's data are reviewed individually, and data are not borrowed from other countries in the absence of data. Estimates are not based on ad hoc adjustments to reported data; in some instances empirical data are available from a single source, usually the nationally reported coverage data. In cases where no data are available for a given country/vaccine/year combination, data are considered from earlier and later years and interpolated to estimate coverage for the missing year(s). In cases where data sources are mixed and show large variation, an attempt is made to identify the most likely estimate with consideration of the possible biases in available data. For methods see:

*Burton et al. 2009. WHO and UNICEF estimates of national infant immunization coverage: methods and processes.
*Burton et al. 2012. A formal representation of the WHO and UNICEF estimates of national immunization coverage: a computational logic approach.
*Brown et al. 2013. An introduction to the grade of confidence used to characterize uncertainty around the WHO and UNICEF estimates of national immunization coverage.

DATA SOURCES.

ADMINISTRATIVE coverage: Reported by national authorities and based on aggregated administrative reports from health service providers on the number of vaccinations administered during a given period (numerator data) and reported target population data (denominator data). May be biased by inaccurate numerator and/or denominator data.

OFFICIAL coverage: Estimated coverage reported by national authorities that reflects their assessment of the most likely coverage based on any combination of administrative coverage, survey-based estimates or other data sources or adjustments. Approaches to determine OFFICIAL coverage may differ across countries.

SURVEY coverage: Based on estimated coverage from population-based household surveys among children aged 12-23 months or 24-35 months following a review of survey methods and results. Information is based on the combination of vaccination history from documented evidence or caregiver recall. Survey results are considered for the appropriate birth cohort based on the period of data collection.

ABBREVIATIONS

BCG: percentage of births who received one dose of Bacillus Calmette Guerin vaccine.

DTP1 / DTP3: percentage of surviving infants who received the 1st / 3rd dose, respectively, of diphtheria and tetanus toxoid with pertussis containing vaccine.

Pol3: percentage of surviving infants who received the 3rd dose of polio containing vaccine. May be either oral or inactivated polio vaccine.

IPV1: percentage of surviving infants who received at least one dose of inactivated polio vaccine. In countries utilizing an immunization schedule recommending either (i) a primary series of three doses of oral polio vaccine (OPV) plus at least one dose of IPV where OPV is included in routine immunization and/or campaign or (ii) a sequential schedule of IPV followed by OPV, WHO and UNICEF estimates for IPV1 reflect coverage with at least one routine dose of IPV among infants <1 year of age among countries. For countries utilizing IPV containing vaccine use only, i.e., no recommended dose of OPV, the WHO and UNICEF estimate for IPV1 corresponds to coverage for the 1st dose of IPV.

Production of IPV coverage estimates, which begins in 2015, results in no change of the estimated coverage levels for the 3rd dose of polio (Pol3). For countries recommending routine immunization with a primary series of three doses of IPV alone, WHO and UNICEF estimated Pol3 coverage is equivalent to estimated coverage with three doses of IPV. For countries with a sequential schedule, estimated Pol3 coverage is based on that for the 3rd dose of polio vaccine regardless of vaccine type.

MCV1: percentage of surviving infants who received the 1st dose of measles containing vaccine. In countries where the national schedule recommends the 1st dose of MCV at 12 months or later based on the epidemiology of disease in the country, coverage estimates reflect the percentage of children who received the 1st dose of MCV as recommended.

MCV2: percentage of children who received the 2nd dose of measles containing vaccine according to the nationally recommended schedule.

RCV1: percentage of surviving infants who received the 1st dose of rubella containing vaccine. Coverage estimates are based on WHO and UNICEF estimates of coverage for the dose of measles containing vaccine that corresponds to the first measles-rubella combination vaccine. Nationally reported coverage of RCV is not taken into consideration nor are the data represented in the accompanying graph and data table.

HepBB: percentage of births which received a dose of hepatitis B vaccine within 24 hours of delivery. Estimates of hepatitis B birth dose coverage are produced only for countries with a universal birth dose policy. Estimates are not produced for countries that recommend a birth dose to infants born to HepB virus-infected mothers only or where there is insufficient information to determine whether vaccination is within 24 hours of birth.

HepB3: percentage of surviving infants who received the 3rd dose of hepatitis B containing vaccine following the birth dose.

Hib3: percentage of surviving infants who received the 3rd dose of Haemophilus influenzae type b containing vaccine.

RotaC: percentage of surviving infants who received the final recommended dose of rotavirus vaccine, which can be either the 2nd or the 3rd dose depending on the vaccine.

PcV3: percentage of surviving infants who received the 3rd dose of pneumococcal conjugate vaccine. In countries where the national schedule recommends two doses during infancy and a booster dose at 12 months or later based on the epidemiology of disease in the country, coverage estimates may reflect the percentage of surviving infants who received two doses of PcV prior to the 1st birthday.

YFV: percentage of surviving infants who received one dose of yellow fever vaccine in countries where YFV is part of the national immunization schedule for children or is recommended in at risk areas; coverage estimates are annualized for the entire cohort of surviving infants.

Dominican Republic - BCG

DOM - BCG

- WHO-UNICEF estimate
- ● Official government estimate
- ✳ Administrative coverage
- | Survey, card or history
- ◆ Accepted survey, resolved value
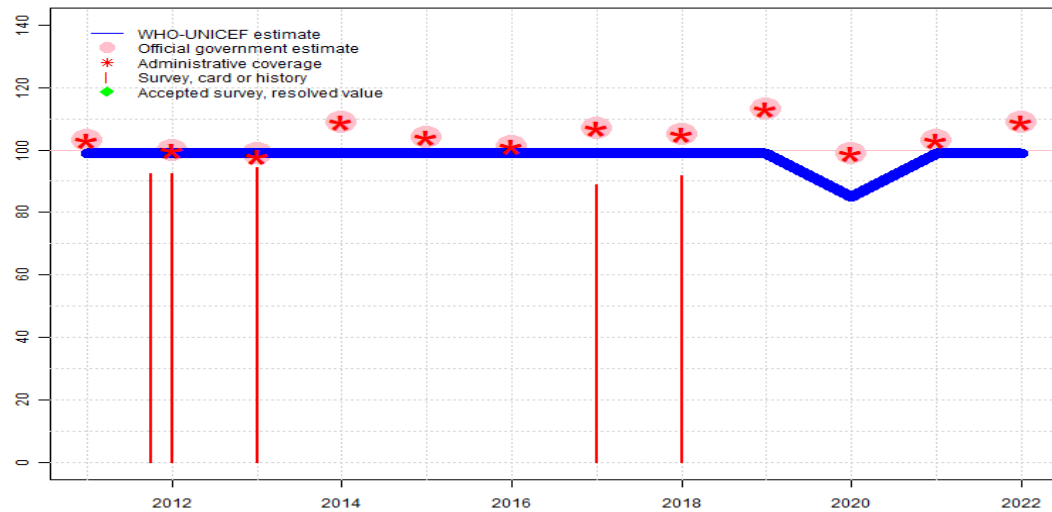
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	99	99	99	99	99	99	99	99	99	85	99	99
Estimate GoC	●●●	●●	●●	●●	●●	●●	●●	●●	●●	●	●●	●●
Official	103	100	99	109	104	101	107	105	113	99	103	109
Administrative	103	100	98	109	104	101	107	105	113	99	103	109
Survey	NA	*	94.3	NA	NA	NA	89	91.9	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: 2022 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:

2022: Estimate based on extrapolation from data reported by national government. Reported data excluded because 109 percent greater than 100 percent. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate based on extrapolation from data reported by national government. Reported data excluded because 103 percent greater than 100 percent. GoC=R+ D+

2020: Programme reports a two months vaccine stockout at national and subnational levels. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. Estimate challenged by: R-

2019: Estimate informed by interpolation between reported data. Reported data excluded because 113 percent greater than 100 percent. Programme reports one month vaccine stockout. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent.Reported data excluded because 105 percent greater than 100 percent. GoC=R+ D+

2017: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded because 107 percent greater than 100 percent. GoC=R+ D+

2016: Estimate informed by interpolation between reported data. Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+

2015: Estimate informed by interpolation between reported data. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ D+

2014: Estimate informed by interpolation between reported data. Reported data excluded because 109 percent greater than 100 percent. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ D+

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results. GoC=R+ D+

2012: Estimate informed by reported data. Dominican Republic Demographic and Health Survey 2013 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results.Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results. GoC=R+ D+
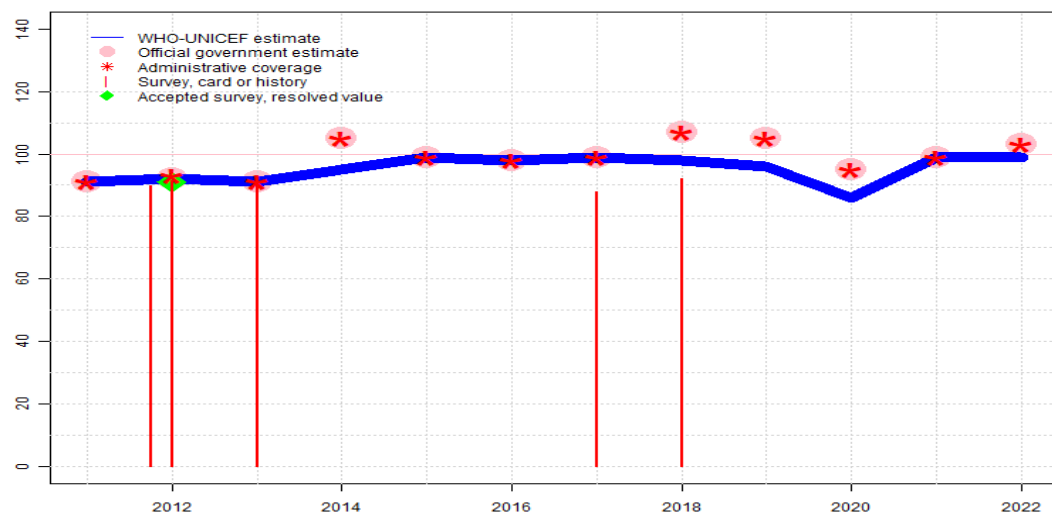
2011: Estimate informed by interpolation between reported data. Reported data excluded because 103 percent greater than 100 percent. GoC=R+ S+ D+

Dominican Republic - DTP1

DOM - DTP1

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	91	92	91	95	99	98	99	98	96	86	99	99
Estimate GoC	●●●	●●●	●●●	●●●	●●	●●	●●	●●	●●	●	●●	●●
Official	91	92	91	105	99	98	99	107	105	95	99	103
Administrative	91	93	91	105	99	98	99	107	105	95	99	103
Survey	NA	*	92.5	NA	NA	NA	87.8	92.1	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: 2022 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.
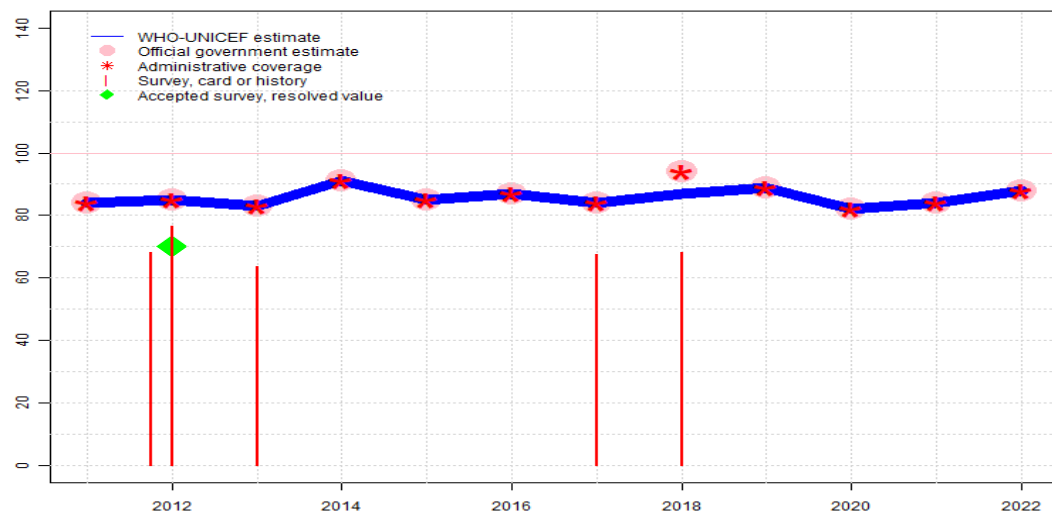
In all cases these estimates should be used with caution and should be assessed in light
of the objective for which they are being used.

Description:

2022: Estimate based on extrapolation from data reported by national government. Reported data excluded because 103 percent greater than 100 percent. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate based on the trend in the reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. Estimate challenged by: R-

2019: Estimate informed by interpolation between reported data. Reported data excluded because 105 percent greater than 100 percent. Programme reports two months vaccine stockout. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. Reported data excluded because 107 percent greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by interpolation between reported data. Reported data excluded because 105 percent greater than 100 percent. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ S+ D+

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results. GoC=R+ S+ D+

2012: Estimate informed by reported data supported by survey. Survey evidence of 91 percent based on 2 survey(s). GoC=R+ S+ D+

2011: Estimate informed by reported data. GoC=R+ S+ D+

Dominican Republic - DTP3

DOM - DTP3

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	84	85	83	91	85	87	84	87	89	82	84	88
Estimate GoC	●	●	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Official	84	85	83	91	85	87	84	94	89	82	84	88
Administrative	84	85	83	91	85	87	84	94	89	82	84	88
Survey	NA	*	63.7	NA	NA	NA	67.4	68.1	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: 2022 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:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. Programme reports two months vaccine stockout. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 68 percent modifed for recall bias to 73 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 75 percent and 3rd dose card only coverage of 60 percent. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 67 percent modifed for recall bias to 77 percent based on 1st dose card or history coverage of 88 percent, 1st dose card only coverage of 65 percent and 3rd dose card only coverage of 57 percent. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. Estimate challenged by: S-

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results.Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 64 percent modifed for recall bias to 60 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 80 percent and 3rd dose card only coverage of 52 percent. Estimate challenged by: S-

2012: Estimate is based on reported data. Dominican Republic Demographic and Health Survey 2013 card or history results of 77 percent modifed for recall bias to 78 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 67 percent and 3rd dose card only coverage of 58 percent. Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 68 percent modifed for recall bias to 61

percent based on 1st dose card or history coverage of 91 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 52 percent. Estimate challenged by: S-

2011: Estimate informed by reported data. Estimate challenged by: S-

DOM - Pol3

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	84	85	82	90	87	82	80	86	92	80	83	88
Estimate GoC	●●●	●●●	●●●	●	●●	●●	●●	●●	●●	●●	●●	●●
Official	84	85	82	90	87	82	80	89	92	80	83	88
Administrative	84	85	82	90	87	82	80	89	92	80	83	88
Survey	NA	*	71.2	NA	NA	NA	41.1	22.4	NA	NA	NA	NA

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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: 2022 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.

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[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:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. Estimate based on reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 22 percent modifed for recall bias to 24 percent based on 1st dose card or history coverage of 83 percent, 1st dose card only coverage of 66 percent and 3rd dose card only coverage of 19 percent. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 ca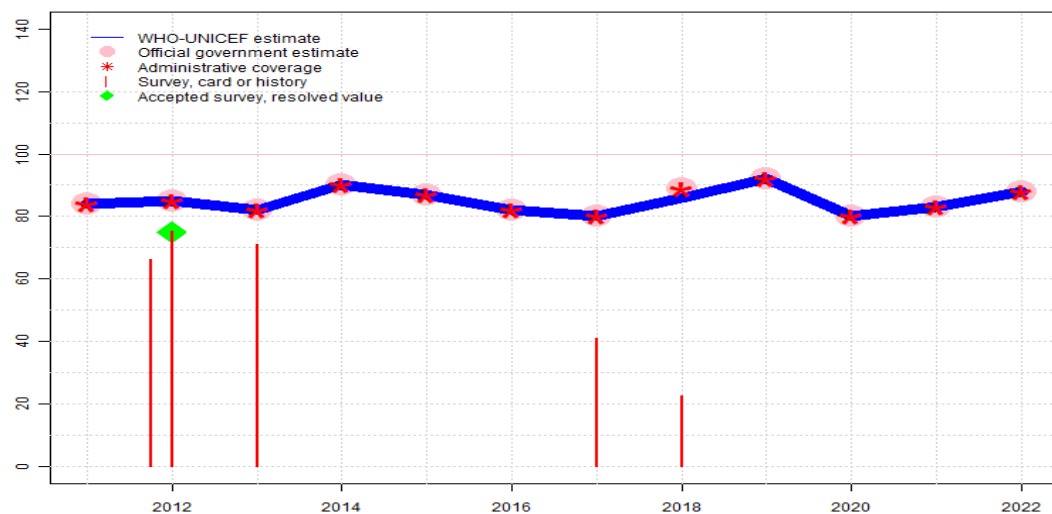rd or history results of 41 percent modifed for recall bias to 51 percent based on 1st dose card or history coverage of 81 percent, 1st dose card only coverage of 57 percent and 3rd dose card only coverage of 36 percent. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. Estimate challenged by: S-

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results.Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 71 percent modifed for recall bias to 67 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 81 percent and 3rd dose card only coverage of 58 percent. GoC=R+ S+ D+

2012: Estimate informed by reported data supported by survey. Survey evidence of 75 percent based on 2 survey(s). Dominican Republic Demographic and Health Survey 2013 card or history results of 66 percent modifed for recall bias to 84 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 68 percent and 3rd dose card only coverage of 64 percent. Dominican Republic Multiple Indicator Cluster
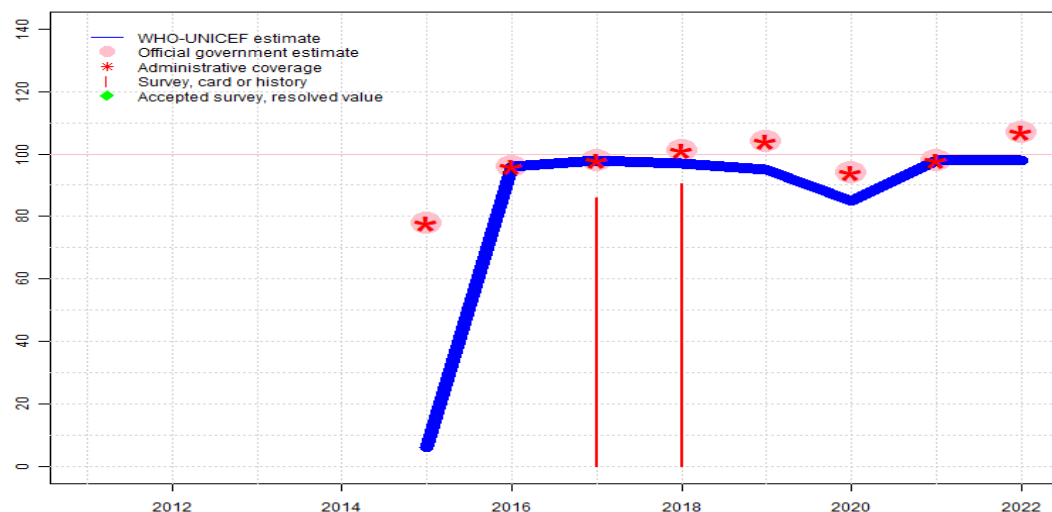
Survey 2014 card or history results of 75 percent modifed for recall bias to 66 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 80 percent and 3rd dose card only coverage of 57 percent. GoC=R+ S+ D+

2011: Estimate informed by reported data. GoC=R+ S+ D+

Dominican Republic - IPV1

DOM - IPV1

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	NA	NA	NA	NA	6	96	98	97	95	85	98	98
Estimate GoC	NA	NA	NA	NA	•	••	••	••	••	•	••	••
Official	NA	NA	NA	NA	78	96	98	101	104	94	98	107
Administrative	NA	NA	NA	NA	78	96	98	101	104	94	98	107
Survey	NA	NA	NA	NA	NA	NA	86.1	90.4	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: 2022 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:

Estimates for a dose of inactivated polio vaccine (IPV) begin in 2015 following the Global Polio Eradication Initiative's Polio Eradication and Endgame Strategic Plan: 2013-2018 which recommended at least one full dose or two fractional doses of IPV into routine immunization schedules as a strategy to mitigate the potential consequences should any re-emergence of type 2 poliovirus occur following the planned withdrawal of Sabin type 2 strains from oral polio vaccine (OPV).

2022: Estimate informed by extrapolation from reported data. Reported data excluded because 107 percent greater than 100 percent. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate based on the trend in the reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. Estimate challenged by: R-

2019: Estimate informed by interpolation between reported data. Reported data excluded because 104 percent greater than 100 percent. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent.Reported data excluded because 101 percent greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. GoC=R+ D+

2016: Estimate informed by reported data. Estimate is based on coverage achieved in the national target population following introduction. GoC=R+ D+

2015: Inactivated polio vaccine in December 2015. Programme reports 78 percent coverage in 8 percent of the national target population. Estimate is based on coverage achieved in total national annual population. Estimate challenged by: R-

Dominican Republic - MCV1

DOM - MCV1

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	87	88	83	88	90	85	86	91	96	82	88	91
Estimate GoC	•	•••	•••	•••	••	••	••	••	••	••	••	••
Official	88	88	83	88	90	85	86	95	96	82	88	91
Administrative	88	88	83	87	90	85	86	95	96	82	88	91
Survey	NA	*	69.6	NA	NA	NA	NA	77.2	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: 2022 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:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. Estimate based on reported data. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ S+ D+
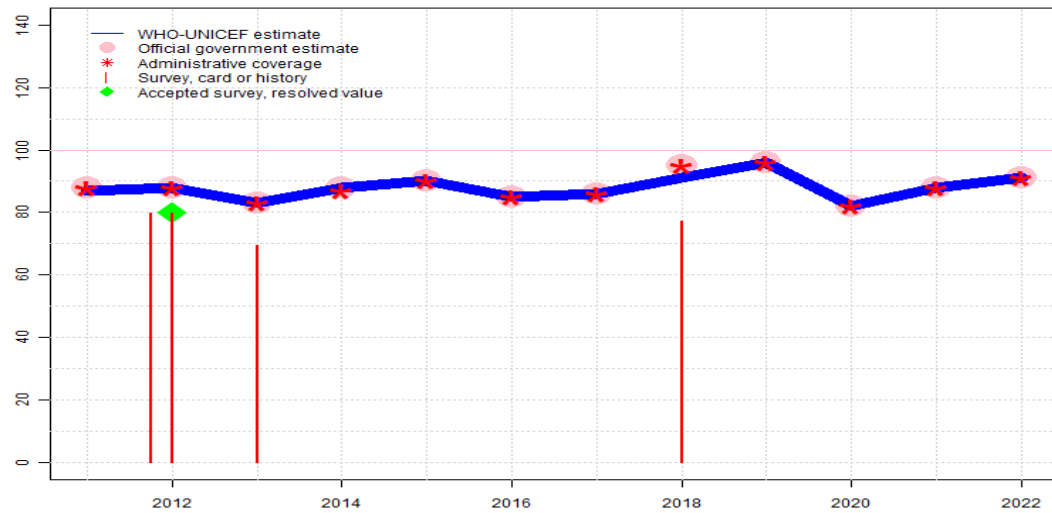
2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results. GoC=R+ S+ D+

2012: Estimate informed by reported data supported by survey. Survey evidence of 80 percent based on 1 survey(s). Dominican Republic Demographic and Health Survey 2013 results ignored by working group. 2012 DHS survey results reflect coverage for children aged 18-29 months while measles containing vaccine is recommended at 12 months. As such the survey results may underestimate coverage due to late vaccination. GoC=R+ S+ D+

2011: Reported data calibrated to 2005 and 2012 levels. Reported data excluded. . Estimate challenged by: R-

DOM - MCV2

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

Description:

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

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. . GoC=R+ D+

2018: . Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. Estimate challenged by: R-

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	NA	NA	NA	NA	NA	NA	NA	31	60	55	60	59
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	●	●●	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	31	60	55	60	59
Administrative	NA	NA	NA	NA	NA	NA	NA	31	60	55	60	59
Survey	NA	NA	NA	NA	NA	NA	NA	36.4	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: 2022 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.

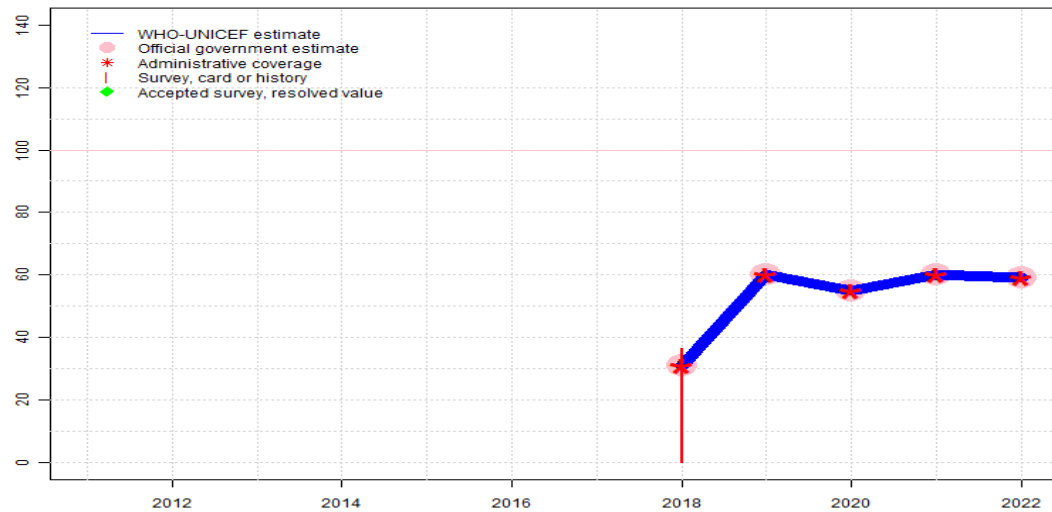● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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.

Dominican Republic - RCV1

DOM - RCV1

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

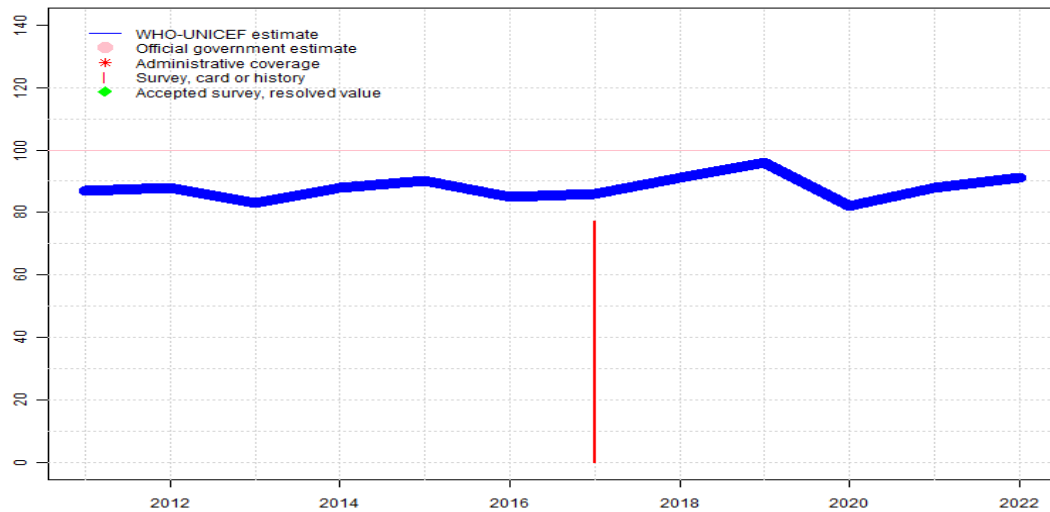|	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	87	88	83	88	90	85	86	91	96	82	88	91
Estimate GoC	●	●●●	●●●	●●●	●●	●●	●●	●●	●●	●●	●●	●●
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	77.2	NA	NA	NA	NA	NA

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: 2022 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:

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.

2022: Estimate based on estimated MCV1. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate based on estimated MCV1. GoC=R+ D+

2020: Estimate based on estimated MCV1. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate based on estimated MCV1. GoC=R+ D+

2018: Estimate based on estimated MCV1. GoC=R+ D+

2017: Estimate based on estimated MCV1. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. GoC=R+ D+

2016: Estimate based on estimated MCV1. GoC=R+ D+

2015: Estimate based on estimated MCV1. GoC=R+ D+

2014: Estimate based on estimated MCV1. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ S+ D+
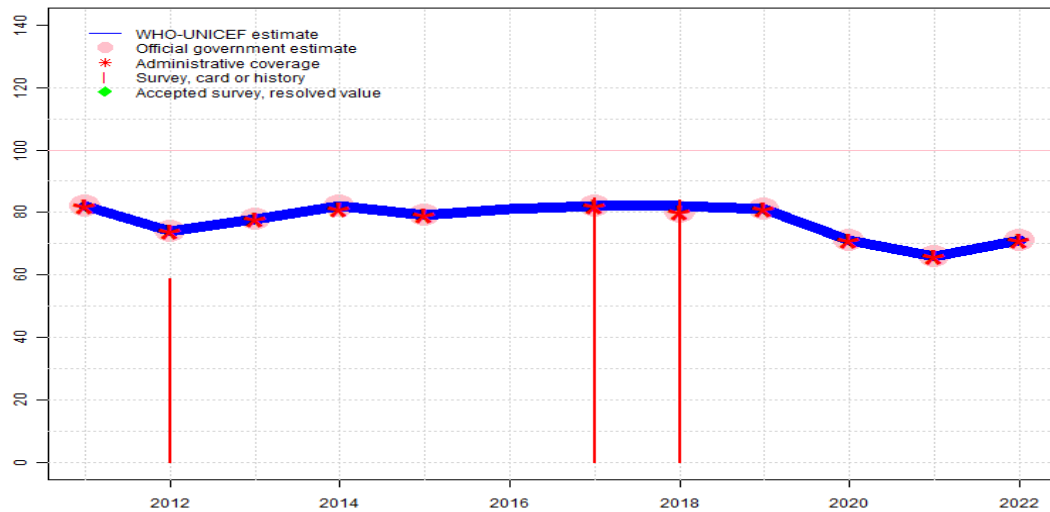
2013: Estimate based on estimated MCV1. GoC=R+ S+ D+

2012: Estimate based on estimated MCV1. GoC=R+ S+ D+

2011: Estimate based on estimated MCV1. Estimate challenged by: R-

Dominican Republic - HepBB

DOM - HepBB

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	82	74	78	82	79	81	82	82	81	71	66	71
Estimate GoC	••	••	••	••	••	•	••	••	••	••	••	••
Official	82	74	78	82	79	NA	82	80	81	71	66	71
Administrative	82	74	78	81	79	NA	82	80	81	71	66	71
Survey	NA	58.7	NA	NA	NA	NA	84.8	84.1	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.
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●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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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.
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Description:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. Programme reports a two months vaccine stockout at national and subnational levels. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. GoC=R+ D+

2016: Estimate informed by interpolation between reported data. GoC=No accepted empirical data

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ D+

2013: Estimate informed by reported data. GoC=R+ D+

2012: Estimate informed by reported data. Dominican Republic Demographic and Health Survey 2013 results ignored by working group. Survey data reflect evidence of vaccination from documented evidence only. GoC=R+ D+

2011: Estimate informed by reported data. GoC=R+ D+

DOM - HepB3

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	80	74	80	89	81	80	81	84	87	81	83	87
Estimate GoC	●	●●●	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Official	80	74	80	89	81	80	81	92	87	81	83	87
Administrative	83	74	80	89	81	80	81	92	87	81	83	87
Survey	NA	*	61.4	NA	NA	NA	68.5	69	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: 2022 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.
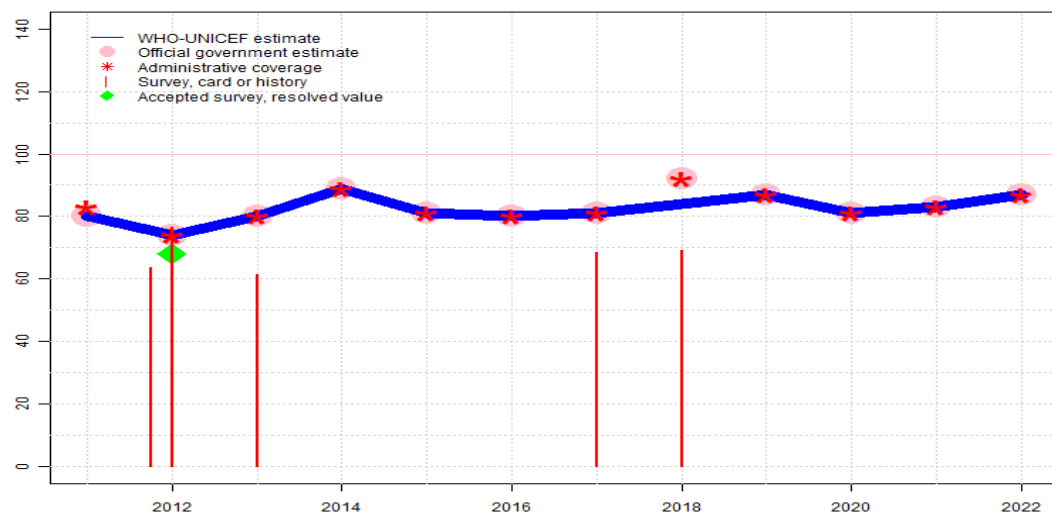
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 69 percent modifed for recall bias to 70 percent based on 1st dose card or history coverage of 93 percent, 1st dose card only coverage of 76 percent and 3rd dose card only coverage of 57 percent. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent.. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 69 percent modifed for recall bias to 71 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 65 percent and 3rd dose card only coverage of 52 percent. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. Estimate challenged by: S-

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results.Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 61 percent modifed for recall bias to 59 percent based on 1st dose card or history coverage of 91 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 51 percent. Estimate challenged by: S-

2012: Estimate informed by reported data supported by survey. Survey evidence of 68 percent based on 2 survey(s). Dominican Republic Demographic and Health Survey 2013 card or history results of 77 percent modifed for recall bias to 78 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 67 percent and 3rd dose card only coverage of 58 percent. Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 64 percent modifed for recall bias to 57 percent

based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 76 percent and 3rd dose card only coverage of 48 percent. GoC=R+ S+ D+

2011: Estimate informed by reported data. Estimate challenged by: S-

Dominican Republic - Hib3

DOM - Hib3

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	71	70	75	87	76	73	77	78	79	80	83	86
Estimate GoC	•	•••	•••	•	••	••	••	••	••	••	••	••
Official	71	70	75	87	76	73	77	90	79	80	83	86
Administrative	98	70	75	88	76	73	77	90	79	80	83	86
Survey	NA	*	59.8	NA	NA	NA	60.6	64.1	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: 2022 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:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. Decline in Hib3 is unexplained. No comparable declines for other vaccine-doses recommended at the same age. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 64 percent modifed for recall bias to 68 percent based on 1st dose card or history coverage of 92 percent, 1st dose card only coverage of 75 percent and 3rd dose card only coverage of 56 percent. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent.. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 61 perc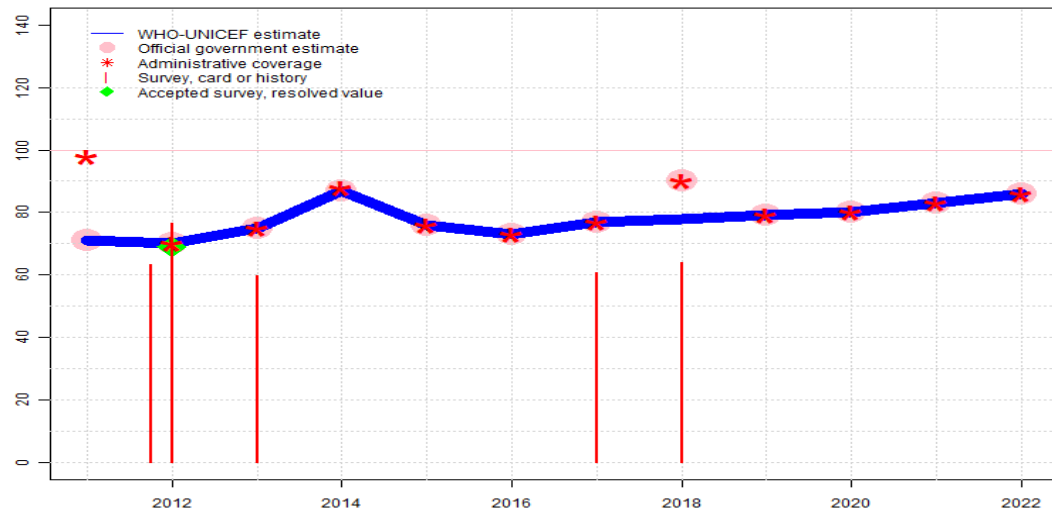ent modifed for recall bias to 68 percent based on 1st dose card or history coverage of 87 percent, 1st dose card only coverage of 65 percent and 3rd dose card only coverage of 50 percent. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. . GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data.. Estimate challenged by: S-

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results.Dominican Republic Multiple Indicator Cluster Survey 2014 card or history results of 60 percent modifed for recall bias to 59 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 78 percent and 3rd dose card only coverage of 52 percent. GoC=R+ S+ D+

2012: Estimate informed by reported data supported by survey. Survey evidence of 69 percent based on 2 survey(s). Dominican Republic Demographic and Health Survey 2013 card or history results of 77 percent modifed for recall bias to 78 percent based on 1st dose card or history coverage of 90 percent, 1st dose card only coverage of 67 percent and 3rd dose card only coverage of 58 percent. Dominican Republic Multiple Indicator Cluster
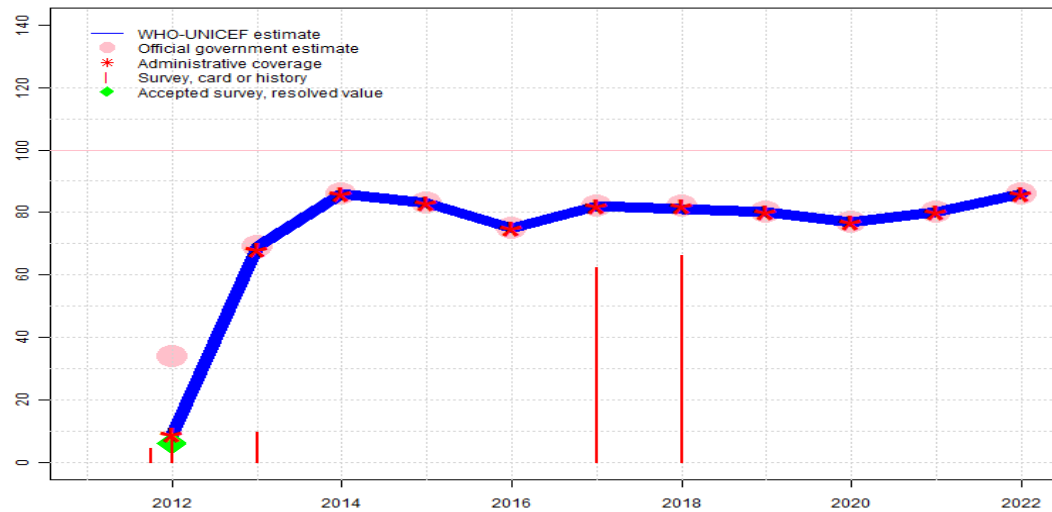
Survey 2014 card or history results of 63 percent modifed for recall bias to 59 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 77 percent and 3rd dose card only coverage of 51 percent. GoC=R+ S+ D+

2011: Estimate informed by reported data. Estimate challenged by: D-

Dominican Republic - RotaC

DOM - RotaC

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	NA	9	69	86	83	75	82	81	80	77	80	86
Estimate GoC	NA	●●●	●	●	●●	●●	●●	●●	●●	●●	●●	●●
Official	NA	34	69	86	83	75	82	82	80	77	80	86
Administrative	NA	9	68	86	83	75	82	82	80	77	80	86
Survey	NA	*	9.7	NA	NA	NA	62.3	66.2	NA	NA	NA	NA

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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.
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●●● Estimate is supported by reported data [R+], coverage recalculated with an independent denominator
   from the World Population Prospects: 2022 revision from the UN Population Division (D+), and at
   least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk
   of being wrong.

●● Estimate is supported by at least one data source; [R+], [S+], or [D+]; and no data source, [R-], [D-], or
   [S-], challenges the estimate.

● There are no directly supporting data; or data from at least one source; [R-], [D-], [S-]; challenge the estimate.

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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.
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Description:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. GoC=R+ D+

2021: Estimate informed by reported data. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by reported data. GoC=R+ D+

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. Estimate challenged by: S-

2013: Estimate informed by reported data. Dominican Republic Multiple Indicator Cluster Survey 2014 results ignored by working group. Survey results are to be further examined to better understand potential inconsistencies in reported results. Estimate challenged by: S-

2012: Estimate informed by reported administrative data supported by survey. Survey evidence of 6 percent based on 2 survey(s). . GoC=R+ S+ D+

Dominican Republic - PcV3

DOM - PcV3

Legend:
- WHO-UNICEF estimate
- Official government estimate
- Administrative coverage
- Survey, card or history
- Accepted survey, resolved value

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Estimate	NA	NA	NA	27	22	30	64	66	67	69	76	73
Estimate GoC	NA	NA	NA	●●	●●	●●	●●	●●	●	●●	●●	●●
Official	NA	NA	NA	27	22	30	64	70	NA	69	76	73
Administrative	NA	NA	NA	27	22	30	64	70	NA	69	76	73
Survey	NA	8.9	7.5	NA	NA	NA	NA	48.4	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: 2022 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.
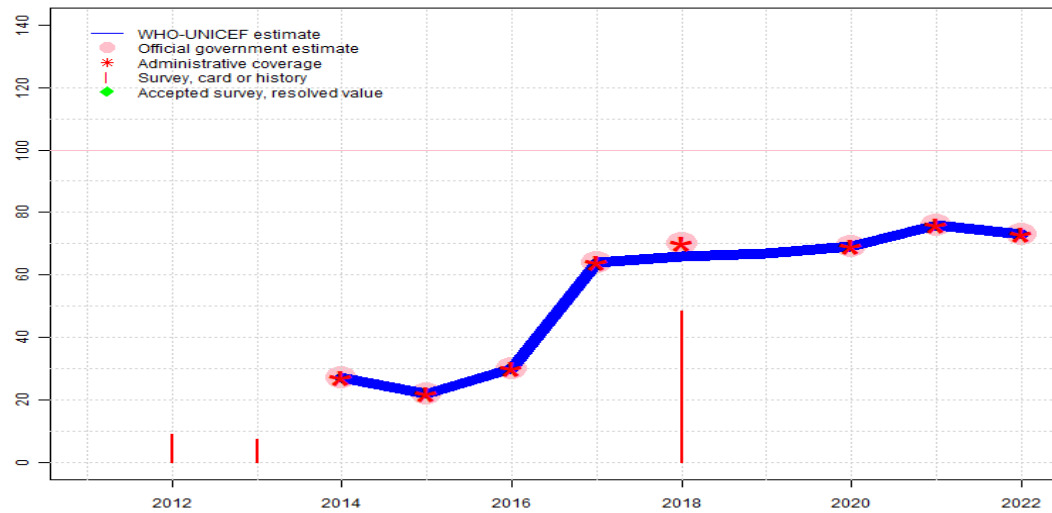
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

2022: Estimate informed by reported data. 2019 Multiple Indicator Cluster Survey results for some antigens suggest lower coverage levels than that reported by programme. However, as noted for prior years, results are inconsistent for adjacent cohorts across antigens and are not currently used to inform the estimated coverage time-series. Estimated coverage levels may overestimate coverage. Programme reports a two months vaccine stockout at national and subnational levels. Schedule for PCV is two doses before age 1 and one dose in the second year of life. Reported coverage for PCV2 is 90 percent. GoC=R+ D+

2021: Estimate informed by reported data. Estimate of 76 percent changed from previous revision value of 71 percent. GoC=R+ D+

2020: Estimate informed by reported data. Country reports that declines in 2020 coverage levels are the result of COVID-19 related disruptions. GoC=R+ D+

2019: Estimate informed by interpolation between reported data. GoC=No accepted empirical data

2018: Estimate informed by interpolation between reported data. Dominican Republic Multiple Indicator Cluster Survey 2019 results ignored by working group. Survey results for adjacent birth cohorts are inconsistent across antigens and require additional review.Dominican Republic Multiple Indicator Cluster Survey 2019 card or history results of 48 percent modifed for recall bias to 52 percent based on 1st dose card or history coverage of 89 percent, 1st dose card only coverage of 74 percent and 3rd dose card only coverage of 43 percent. Reported data excluded. Reported data reflect unexplained year-to-year increases in the number of children vaccinated, which for some antigens results in coverage greater than 100 percent. GoC=R+ D+

2017: Estimate informed by reported data. GoC=R+ D+

2016: Estimate informed by reported data. GoC=R+ D+

2015: Estimate informed by reported data. Country reports a 12-month PCV stockout at the national level GoC=R+ D+

2014: Estimate informed by reported data. Increase in reported coverage reflects a decrease in the reported target population data. GoC=R+ D+

NOTE: A survey to measure vaccination coverage for infants (i.e., children aged 0 to 11 months) will sample children aged 12 to 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 to 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 1 or 2 years prior to the survey field work.

2018 Encuesta Nacional de Hogares de Propósitos Múltiples, ENHOGAR-MICS 2019

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	74.4	12-23 m	1727	77
BCG	Card or History	91.9	12-23 m	1727	77
BCG	History	17.5	12-23 m	1727	77
DTP1	Card	75.3	12-23 m	1727	77
DTP1	Card or History	92.1	12-23 m	1727	77
DTP1	History	16.8	12-23 m	1727	77
DTP3	Card	59.5	12-23 m	1727	77
DTP3	Card or History	68.1	12-23 m	1727	77
DTP3	History	8.7	12-23 m	1727	77
HepB1	Card	75.7	12-23 m	1727	77
HepB1	Card or History	93.3	12-23 m	1727	77
HepB1	History	17.5	12-23 m	1727	77
HepB3	Card	56.7	12-23 m	1727	77
HepB3	Card or History	69	12-23 m	1727	77
HepB3	History	12.3	12-23 m	1727	77
HepBB	Card	65.4	12-23 m	1727	77
HepBB	Card or History	84.1	12-23 m	1727	77
HepBB	History	18.7	12-23 m	1727	77
Hib1	Card	75.1	12-23 m	1727	77
Hib1	Card or History	91.8	12-23 m	1727	77
Hib1	History	16.7	12-23 m	1727	77
Hib3	Card	55.5	12-23 m	1727	77
Hib3	Card or History	64.1	12-23 m	1727	77
Hib3	History	8.6	12-23 m	1727	77
IPV1	Card	73.2	12-23 m	1727	77
IPV1	Card or History	90.4	12-23 m	1727	77
IPV1	History	17.2	12-23 m	1727	77
MCV1	Card	56.6	24-35 m	1624	77
MCV1	Card or History	77.2	24-35 m	1624	77
MCV1	History	20.5	24-35 m	1624	77
MCV2	Card	19.7	24-35 m	1624	77
MCV2	Card or History	36.4	24-35 m	1624	77
MCV2	History	16.6	24-35 m	1624	77
PCV1	Card	73.6	12-23 m	1727	77
PCV1	Card or History	89	12-23 m	1727	77
PCV1	History	15.5	12-23 m	1727	77
PCV3	Card	43.4	24-35 m	1624	77
PCV3	Card or History	48.4	24-35 m	1624	77
PCV3	History	5	24-35 m	1624	77
Pol1	Card	65.7	12-23 m	1727	77
Pol1	Card or History	83.2	12-23 m	1727	77
Pol1	History	17.5	12-23 m	1727	77
Pol3	Card	18.7	12-23 m	1727	77
Pol3	Card or History	22.4	12-23 m	1727	77
Pol3	History	3.7	12-23 m	1727	77
RotaC	Card	58.3	12-23 m	1727	77
RotaC	Card or History	66.2	12-23 m	1727	77
RotaC	History	7.8	12-23 m	1727	77

2017 Encuesta Nacional de Hogares de Propósitos Múltiples, ENHOGAR-MICS 2019

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	65	24-35 m	1624	77
BCG	Card or History	89	24-35 m	1624	77
BCG	History	23.9	24-35 m	1624	77
DTP1	Card	65.3	24-35 m	1624	77
DTP1	Card or History	87.8	24-35 m	1624	77
DTP1	History	22.5	24-35 m	1624	77
DTP3	Card	56.9	24-35 m	1624	77
DTP3	Card or History	67.4	24-35 m	1624	77
DTP3	History	10.5	24-35 m	1624	77

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
HepB1	Card	65.3	24-35 m	1624	77
HepB1	Card or History	90.1	24-35 m	1624	77
HepB1	History	24.8	24-35 m	1624	77
HepB3	Card	51.6	24-35 m	1624	77
HepB3	Card or History	68.5	24-35 m	1624	77
HepB3	History	16.9	24-35 m	1624	77
HepBB	Card	59.1	24-35 m	1624	77
HepBB	Card or History	84.8	24-35 m	1624	77
HepBB	History	25.7	24-35 m	1624	77
Hib1	Card	65	24-35 m	1624	77
Hib1	Card or History	87.4	24-35 m	1624	77
Hib1	History	22.3	24-35 m	1624	77
Hib3	Card	50.4	24-35 m	1624	77
Hib3	Card or History	60.6	24-35 m	1624	77
Hib3	History	10.2	24-35 m	1624	77
IPV1	Card	62.4	24-35 m	1624	77
IPV1	Card or History	86.1	24-35 m	1624	77
IPV1	History	23.7	24-35 m	1624	77
PCV1	Card	64	24-35 m	1624	77
PCV1	Card or History	84.8	24-35 m	1624	77
PCV1	History	20.7	24-35 m	1624	77
Pol1	Card	57.1	24-35 m	1624	77
Pol1	Card or History	81.1	24-35 m	1624	77
Pol1	History	24	24-35 m	1624	77
Pol3	Card	36	24-35 m	1624	77
Pol3	Card or History	41.1	24-35 m	1624	77
Pol3	History	5	24-35 m	1624	77
RotaC	Card	53	24-35 m	1624	77
RotaC	Card or History	62.3	24-35 m	1624	77
RotaC	History	9.3	24-35 m	1624	77

2013 República Dominicana: Encuesta Nacional de Hogares de Propositos
Multiples ENHOGAR - MICS 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93.9	12-23 m	3972	71
BCG	Card	69.3	12-23 m	3972	71
BCG	Card or History	94.3	12-23 m	3972	71
DTP1	C or H <12 months	92.3	12-23 m	3972	71
DTP1	Card	80.1	12-23 m	3972	71
DTP1	Card or History	92.5	12-23 m	3972	71
DTP3	C or H <12 months	63.6	12-23 m	3972	71
DTP3	Card	52.2	12-23 m	3972	71
DTP3	Card or History	63.7	12-23 m	3972	71
HepB1	C or H <12 months	90.6	12-23 m	3972	71
HepB1	Card	78	12-23 m	3972	71
HepB1	Card or History	90.6	12-23 m	3972	71
HepB3	C or H <12 months	61.4	12-23 m	3972	71
HepB3	Card	50.8	12-23 m	3972	71
HepB3	Card or History	61.4	12-23 m	3972	71
Hib1	C or H <12 months	88.6	12-23 m	3972	71
Hib1	Card	77.8	12-23 m	3972	71
Hib1	Card or History	88.6	12-23 m	3972	71
Hib3	C or H <12 months	59.8	12-23 m	3972	71
Hib3	Card	51.5	12-23 m	3972	71
Hib3	Card or History	59.8	12-23 m	3972	71
MCV1	Card	51.2	12-23 m	3972	71
MCV1	Card or History	69.6	12-23 m	3972	71
PCV1	C or H <12 months	23.6	12-23 m	3972	71
PCV1	Card	20.5	12-23 m	3972	71
PCV1	Card or History	31.5	12-23 m	3972	71
PCV3	C or H <12 months	5.4	12-23 m	3972	71
PCV3	Card	3	12-23 m	3972	71
PCV3	Card or History	7.5	12-23 m	3972	71
Pol1	C or H <12 months	93.2	12-23 m	3972	71
Pol1	Card	80.9	12-23 m	3972	71
Pol1	Card or History	93.3	12-23 m	3972	71
Pol3	C or H <12 months	71.2	12-23 m	3972	71
Pol3	Card	58.4	12-23 m	3972	71
Pol3	Card or History	71.2	12-23 m	3972	71
RotaC	C or H <12 months	8.5	12-23 m	3972	71
RotaC	Card	5.3	12-23 m	3972	71
RotaC	Card or History	9.7	12-23 m	3972	71

2012 República Dominicana Encuesta Demográfica y de Salud 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <18 months	91.9	18-29 m	714	70

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card	69.1	18-29 m	498	70
BCG	Card or History	92.4	18-29 m	714	70
BCG	History	23.3	18-29 m	216	70
DTP1	C or H <18 months	88.2	18-29 m	714	70
DTP1	Card	66.6	18-29 m	498	70
DTP1	Card or History	89.8	18-29 m	714	70
DTP1	History	23.2	18-29 m	216	70
DTP3	C or H <18 months	72.3	18-29 m	714	70
DTP3	Card	58	18-29 m	498	70
DTP3	Card or History	76.6	18-29 m	714	70
DTP3	History	18.6	18-29 m	216	70
HepB1	C or H <18 months	88.2	18-29 m	714	70
HepB1	Card	66.6	18-29 m	498	70
HepB1	Card or History	89.8	18-29 m	714	70
HepB1	History	23.2	18-29 m	216	70
HepB3	C or H <18 months	72.3	18-29 m	714	70
HepB3	Card	58	18-29 m	498	70
HepB3	Card or History	76.6	18-29 m	714	70
HepB3	History	18.6	18-29 m	216	70
HepBB	C or H <18 months	58.7	18-29 m	714	70
HepBB	Card	58.7	18-29 m	498	70
HepBB	Card or History	58.7	18-29 m	714	70
HepBB	History	0	18-29 m	216	70
Hib1	C or H <18 months	88.2	18-29 m	714	70
Hib1	Card	66.6	18-29 m	498	70
Hib1	Card or History	89.8	18-29 m	714	70
Hib1	History	23.2	18-29 m	216	70
Hib3	C or H <18 months	72.3	18-29 m	714	70
Hib3	Card	58	18-29 m	498	70
Hib3	Card or History	76.6	18-29 m	714	70
Hib3	History	18.6	18-29 m	216	70
MCV1	C or H <18 months	74.7	18-29 m	714	70
MCV1	Card	60.9	18-29 m	498	70
MCV1	Card or History	79.9	18-29 m	714	70
MCV1	History	19	18-29 m	216	70
Pol1	C or H <18 months	89.7	18-29 m	714	70
Pol1	Card	68.3	18-29 m	498	70
Pol1	Card or History	90.1	18-29 m	714	70
Pol1	History	21.7	18-29 m	216	70
Pol3	C or H <18 months	63.7	18-29 m	714	70
Pol3	Card	63.6	18-29 m	498	70
Pol3	Card or History	66.1	18-29 m	714	70
Pol3	History	2.5	18-29 m	216	70
RotaC	C or H <18 months	4.4	18-29 m	714	70
RotaC	Card	0.3	18-29 m	498	70
RotaC	Card or History	4.4	18-29 m	714	70
RotaC	History	4.1	18-29 m	216	70

2012 República Dominicana: Encuesta Nacional de Hogares de Propositos Multiples ENHOGAR - MICS 2014

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	91.7	24-35 m	3954	71
BCG	Card	62.1	24-35 m	3954	71
BCG	Card or History	92.4	24-35 m	3954	71
DTP1	C or H <12 months	91.4	24-35 m	3954	71
DTP1	Card	78.4	24-35 m	3954	71
DTP1	Card or History	91.4	24-35 m	3954	71
DTP3	C or H <12 months	68.3	24-35 m	3954	71
DTP3	Card	52.1	24-35 m	3954	71
DTP3	Card or History	68.3	24-35 m	3954	71
HepB1	C or H <12 months	89.4	24-35 m	3954	71
HepB1	Card	75.9	24-35 m	3954	71
HepB1	Card or History	89.4	24-35 m	3954	71
HepB3	C or H <12 months	63.7	24-35 m	3954	71
HepB3	Card	48	24-35 m	3954	71
HepB3	Card or History	63.7	24-35 m	3954	71
Hib1	C or H <12 months	88.5	24-35 m	3954	71
Hib1	Card	76.9	24-35 m	3954	71
Hib1	Card or History	88.5	24-35 m	3954	71
Hib3	C or H <12 months	63.3	24-35 m	3954	71
Hib3	Card	51.1	24-35 m	3954	71
Hib3	Card or History	63.3	24-35 m	3954	71
MCV1	C or H <12 months	77.3	24-35 m	3954	71
MCV1	Card	54.1	24-35 m	3954	71
MCV1	Card or History	79.9	24-35 m	3954	71
PCV1	C or H <12 months	15.7	24-35 m	3954	71
PCV1	Card	14.3	24-35 m	3954	71
PCV1	Card or History	27.8	24-35 m	3954	71

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
PCV3	C or H <12 months	5.8	24-35 m	3954	71
PCV3	Card	1.7	24-35 m	3954	71
PCV3	Card or History	8.9	24-35 m	3954	71
Pol1	C or H <12 months	92.8	24-35 m	3954	71
Pol1	Card	80	24-35 m	3954	71
Pol1	Card or History	92.8	24-35 m	3954	71
Pol3	C or H <12 months	75.2	24-35 m	3954	71
Pol3	Card	56.9	24-35 m	3954	71
Pol3	Card or History	75.2	24-35 m	3954	71
RotaC	C or H <12 months	5.6	24-35 m	3954	71
RotaC	Card	1	24-35 m	3954	71
RotaC	Card or History	8.1	24-35 m	3954	71

2011 República Dominicana Encuesta Demográfica y de Salud 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <18 months	90.4	24-35 m	683	70
DTP1	C or H <18 months	87.8	24-35 m	683	70
DTP3	C or H <18 months	71.9	24-35 m	683	70
HepB1	C or H <18 months	87.8	24-35 m	683	70
HepB3	C or H <18 months	71.9	24-35 m	683	70
Hib1	C or H <18 months	87.8	24-35 m	683	70
Hib3	C or H <18 months	71.9	24-35 m	683	70
MCV1	C or H <18 months	71.6	24-35 m	683	70
Pol1	C or H <18 months	88.3	24-35 m	683	70
Pol3	C or H <18 months	54.9	24-35 m	683	70

2010 República Dominicana Encuesta Demográfica y de Salud 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <18 months	92.6	36-47 m	728	70
DTP1	C or H <18 months	91.8	36-47 m	728	70
DTP3	C or H <18 months	76.4	36-47 m	728	70
HepB1	C or H <18 months	91.8	36-47 m	728	70
HepB3	C or H <18 months	76.4	36-47 m	728	70
Hib1	C or H <18 months	91.8	36-47 m	728	70
Hib3	C or H <18 months	76.4	36-47 m	728	70
MCV1	C or H <18 months	75.6	36-47 m	728	70
Pol1	C or H <18 months	91.2	36-47 m	728	70
Pol3	C or H <18 months	54.3	36-47 m	728	70

2009 República Dominicana Encuesta Demográfica y de Salud 2013

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <18 months	91.2	48-59 m	711	70
DTP1	C or H <18 months	87.3	48-59 m	711	70
DTP3	C or H <18 months	69.3	48-59 m	711	70
HepB1	C or H <18 months	87.3	48-59 m	711	70
HepB3	C or H <18 months	69.3	48-59 m	711	70
Hib1	C or H <18 months	87.3	48-59 m	711	70
Hib3	C or H <18 months	69.3	48-59 m	711	70
MCV1	C or H <18 months	70.3	48-59 m	711	70
Pol1	C or H <18 months	88.4	48-59 m	711	70
Pol3	C or H <18 months	51.2	48-59 m	711	70

2009 República Dominicana Encuesta Nacional de Hogares de Propósitos Múltiples ENHOGAR 2009-2010

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93.4	12-23 m	-	-
BCG	Card	60.1	12-23 m	-	-
BCG	Card or History	94.1	12-23 m	594	-
BCG	History	34	12-23 m	-	-
DTP1	C or H <12 months	72	12-23 m	-	-
DTP1	Card	59.2	12-23 m	-	-
DTP1	Card or History	90.3	12-23 m	594	-
DTP1	History	31.1	12-23 m	-	-
DTP3	C or H <12 months	54.9	12-23 m	-	-
DTP3	Card	52.3	12-23 m	-	-
DTP3	Card or History	64.1	12-23 m	594	-
DTP3	History	11.8	12-23 m	-	-
MCV1	C or H <12 months	62.7	12-23 m	-	-
MCV1	Card	44.2	12-23 m	-	-
MCV1	Card or History	71.7	12-23 m	594	-

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
MCV1	History	27.4	12-23 m	-	-
Pol1	C or H <12 months	90.6	12-23 m	-	-
Pol1	Card	61.8	12-23 m	-	-
Pol1	Card or History	93.5	12-23 m	594	-
Pol1	History	31.7	12-23 m	-	-
Pol3	C or H <12 months	61.6	12-23 m	-	-
Pol3	Card	54.5	12-23 m	-	-
Pol3	Card or History	65.4	12-23 m	594	-
Pol3	History	10.9	12-23 m	-	-

2005 República Dominicana Encuesta Demográfica y de Salud 2007

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93.5	18-29 m	2120	62
BCG	Card	61.5	18-29 m	2120	62
BCG	Card or History	93.6	18-29 m	2120	62
BCG	History	32.1	18-29 m	2120	62
DTP1	C or H <12 months	90.3	18-29 m	2120	62
DTP1	Card	60.6	18-29 m	2120	62
DTP1	Card or History	90.9	18-29 m	2120	62
DTP1	History	30.3	18-29 m	2120	62
DTP3	C or H <12 months	72.9	18-29 m	2120	62
DTP3	Card	53.8	18-29 m	2120	62
DTP3	Card or History	74.3	18-29 m	2120	62
DTP3	History	20.4	18-29 m	2120	62
HepB1	C or H <12 months	90.3	18-29 m	2120	62
HepB1	Card	60.6	18-29 m	2120	62
HepB1	Card or History	90.9	18-29 m	2120	62
HepB1	History	30.3	18-29 m	2120	62
HepB3	C or H <12 months	72.9	18-29 m	2120	62
HepB3	Card	53.8	18-29 m	2120	62
HepB3	Card or History	74.3	18-29 m	2120	62
HepB3	History	20.4	18-29 m	2120	62
Hib1	C or H <12 months	90.3	18-29 m	2120	62
Hib1	Card	60.6	18-29 m	2120	62
Hib1	Card or History	90.9	18-29 m	2120	62
Hib1	History	30.3	18-29 m	2120	62
Hib3	C or H <12 months	72.9	18-29 m	2120	62
Hib3	Card	53.8	18-29 m	2120	62
Hib3	Card or History	74.3	18-29 m	2120	62
Hib3	History	20.4	18-29 m	2120	62
MCV1	C or H <12 months	73.6	18-29 m	2120	62
MCV1	Card	52.3	18-29 m	2120	62
MCV1	Card or History	79	18-29 m	2120	62
MCV1	History	26.6	18-29 m	2120	62
Pol1	C or H <12 months	89.8	18-29 m	2120	62
Pol1	Card	61.5	18-29 m	2120	62
Pol1	Card or History	90.3	18-29 m	2120	62
Pol1	History	28.8	18-29 m	2120	62
Pol3	C or H <12 months	62.4	18-29 m	2120	62
Pol3	Card	55.7	18-29 m	2120	62
Pol3	Card or History	63.8	18-29 m	2120	62
Pol3	History	8.1	18-29 m	2120	62

2005 República Dominicana, Encuesta Nacional de Hogares de Propósitos Múltiples ENHOGAR 2006

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	96.1	12-23 m	756	58
BCG	Card	68.3	12-23 m	756	58
BCG	Card or History	97.4	12-23 m	756	58
BCG	History	29.1	12-23 m	756	58
DTP1	C or H <12 months	90.4	12-23 m	756	58
DTP1	Card	67.9	12-23 m	756	58
DTP1	Card or History	94.8	12-23 m	756	58
DTP1	History	26.9	12-23 m	756	58
DTP3	C or H <12 months	67.8	12-23 m	756	58
DTP3	Card	60.1	12-23 m	756	58
DTP3	Card or History	68	12-23 m	756	58
DTP3	History	8	12-23 m	756	58
MCV1	C or H <12 months	65.7	12-23 m	756	58
MCV1	Card	45.1	12-23 m	756	58
MCV1	Card or History	69.1	12-23 m	756	58
MCV1	History	24	12-23 m	756	58
Pol1	C or H <12 months	94.9	12-23 m	756	58
Pol1	Card	67.5	12-23 m	756	58
Pol1	Card or History	96.3	12-23 m	756	58
Pol1	History	28.7	12-23 m	756	58

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
Pol3	C or H <12 months	68.5	12-23 m	756	58
Pol3	Card	59.6	12-23 m	756	58
Pol3	Card or History	71.5	12-23 m	756	58
Pol3	History	11.9	12-23 m	756	58

2001 Encuesta Demográfica y de Salud 2002

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93	12-23 m	2184	50
BCG	Card	47.2	12-23 m	2184	50
BCG	Card or History	93.5	12-23 m	2184	50
BCG	History	46.3	12-23 m	2184	50
DTP1	C or H <12 months	92.2	12-23 m	2184	50
DTP1	Card	48.4	12-23 m	2184	50
DTP1	Card or History	94.5	12-23 m	2184	50
DTP1	History	46.2	12-23 m	2184	50
DTP3	C or H <12 months	51.9	12-23 m	2184	50
DTP3	Card	38.8	12-23 m	2184	50
DTP3	Card or History	56.4	12-23 m	2184	50
DTP3	History	17.6	12-23 m	2184	50
MCV1	C or H <12 months	75.4	12-23 m	2184	50
MCV1	Card	43.4	12-23 m	2184	50
MCV1	Card or History	88.3	12-23 m	2184	50
MCV1	History	44.9	12-23 m	2184	50
Pol1	C or H <12 months	90.1	12-23 m	2184	50
Pol1	Card	48.9	12-23 m	2184	50
Pol1	Card or History	92.1	12-23 m	2184	50
Pol1	History	43.2	12-23 m	2184	50
Pol3	C or H <12 months	39	12-23 m	2184	50
Pol3	Card	37.7	12-23 m	2184	50
Pol3	Card or History	44	12-23 m	2184	50
Pol3	History	6.3	12-23 m	2184	50

1999 Encuesta de Agrupación de Indicadores Múltiples (MICS-2000), 2001

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	C or H <12 months	93.4	12-23 m	431	65
BCG	Card	60.3	12-23 m	431	65
BCG	Card or History	93.7	12-23 m	431	65
BCG	History	33.4	12-23 m	431	65
DTP1	C or H <12 months	89.9	12-23 m	431	65
DTP1	Card	60.5	12-23 m	431	65
DTP1	Card or History	92.5	12-23 m	431	65
DTP1	History	32	12-23 m	431	65
DTP3	C or H <12 months	58.8	12-23 m	431	65
DTP3	Card	49.3	12-23 m	431	65
DTP3	Card or History	61.7	12-23 m	431	65
DTP3	History	12.4	12-23 m	431	65
HepB3	C or H <12 months	28.6	12-23 m	431	65
HepB3	Card	31.4	12-23 m	431	65
HepB3	Card or History	31.4	12-23 m	431	65
HepB3	History	0	12-23 m	431	65
MCV1	C or H <12 months	73.3	12-23 m	431	65
MCV1	Card	53	12-23 m	431	65
MCV1	Card or History	80.2	12-23 m	431	65
MCV1	History	27.2	12-23 m	431	65
Pol1	C or H <12 months	89	12-23 m	431	65
Pol1	Card	59.6	12-23 m	431	65
Pol1	Card or History	90.6	12-23 m	431	65
Pol1	History	31	12-23 m	431	65
Pol3	C or H <12 months	56	12-23 m	431	65
Pol3	Card	47	12-23 m	431	65
Pol3	Card or History	59.1	12-23 m	431	65
Pol3	History	12.1	12-23 m	431	65

1998 República Dominicana Encuesta Experimental de Demografía y Salud 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card <12 months	88.4	12-23 m	73	48
BCG	Card or History	88.4	12-23 m	73	48
DTP1	Card <12 months	97.1	12-23 m	73	48
DTP1	Card or History	97.1	12-23 m	73	48
DTP3	Card <12 months	54.4	12-23 m	73	48
DTP3	Card or History	62.4	12-23 m	73	48
MCV1	Card <12 months	61.4	12-23 m	73	48

MCV1	Card or History	82.6	12-23 m	73	48
Pol1	Card <12 months	94.3	12-23 m	73	48
Pol1	Card or History	95.1	12-23 m	73	48
Pol3	Card <12 months	36.9	12-23 m	73	48
Pol3	Card or History	39.7	12-23 m	73	48

1997 República Dominicana Encuesta Experimental de Demografía y Salud 1999

Vaccine	Confirmation method	Coverage	Age cohort	Sample	Cards seen
BCG	Card <12 months	94.5	24-35 m	119	48
DTP1	Card <12 months	92.9	24-35 m	119	48
DTP3	Card <12 months	66.1	24-35 m	119	48
MCV1	Card <12 months	62.8	24-35 m	119	48
Pol1	Card <12 months	95	24-35 m	119	48
Pol3	Card <12 months	41.6	24-35 m	119	48

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