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:


*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.

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.
The WHO and UNICEF estimates of national immunization coverage (vaccen) 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: 2019 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.

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<td>2013</td>
<td>Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-</td>
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<td></td>
</tr>
<tr>
<td>2011</td>
<td>Estimate of 99 percent assigned by working group. Estimate is based on survey result. Reported data excluded because 112 percent greater than 100 percent. Estimate challenged by: R-</td>
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<td>2010</td>
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<td>2009</td>
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<td>Reported data calibrated to 2005 and 2011 levels. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: D-R-</td>
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July 6, 2020; page 3  WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2021  data received as of June 29, 2020
Honduras - DTP1

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.

### Description:

#### 2019:
- Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results.
- Estimate challenged by: R-

#### 2018:
- Reported data calibrated to 2011 levels.
- Estimate challenged by: R-

#### 2017:
- Reported data calibrated to 2011 levels.
- Estimate challenged by: R-

#### 2016:
- Reported data calibrated to 2011 levels.
- Reported data excluded because 104 percent greater than 100 percent.
- Estimate challenged by: R-

#### 2015:
- DTP1 coverage estimated based on DTP3 coverage of 98.
- Reported data excluded because 102 percent greater than 100 percent.
- Estimate challenged by: R-

#### 2014:
- DTP1 coverage estimated based on DTP3 coverage of 98.
- Reported data excluded.
- Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016.
- WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years.
- Estimate challenged by: R-

#### 2013:
- DTP1 coverage estimated based on DTP3 coverage of 98.
- Reported data excluded.
- Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016.
- WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years.
- Estimate challenged by: R-

#### 2012:
- Reported data calibrated to 2011 levels.
- Reported data excluded.
- Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016.
- WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years.
- Apparent decline in coverage perhaps due to an increase in target population by 24 percentage between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013).
- Estimate challenged by: R-

#### 2011:
- Estimate of 99 percent assigned by working group.
- Estimate is based on survey result.
- Reported data excluded because 111 percent greater than 100 percent.
- Estimate challenged by: R-

#### 2010:
- Reported data calibrated to 2005 and 2011 levels.
- Reported data excluded because 105 percent greater than 100 percent.
- Estimate challenged by: R-

#### 2009:
- Reported data calibrated to 2005 and 2011 levels.
- Estimate challenged by: D-R-

#### 2008:
- Reported data calibrated to 2005 and 2011 levels.
- Estimate challenged by: D-R-

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**Legend:**
- **Estimate** is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2019 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.
Honduras - DTP3

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: 2019 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:

2019: Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2016: Reported data calibrated to 2011 levels. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-

2015: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2014: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2013: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate is based on official government estimate for HepB3 and Hib3. Official government estimate for DTP5 apparently reported as DTP3 coverage. DTP3 administered as a combined DTP-HepB-Hib pentavalent vaccine. Estimate challenged by: R-

2012: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Apparent decline in coverage perhaps due to an increase in target population by 24 percent between 2011 and 2012. Number of children vaccinated in 2012 decreased in part to insecurity limiting outreach activities (GAVI Report, 2013). Estimate challenged by: R-

2011: Estimate of 97 percent assigned by working group. Estimate is based on survey result. Honduras Demographic and Health Survey 2011-2012 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3rd dose card only coverage of 88 percent. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-

2010: Reported data calibrated to 2005 and 2011 levels. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-

2009: Reported data calibrated to 2005 and 2011 levels. Estimate challenged by: D-R-

2008: Reported data calibrated to 2005 and 2011 levels. Estimate challenged by: D-R-
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.

### Description:

2019: Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2016: Reported data calibrated to 2011 levels. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-

2015: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2014: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

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2012: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2011: Estimate of 97 percent assigned by working group. Estimate is based on survey result. Honduras Demographic and Health Survey 2011-2012 card or history results of 96 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3rd dose card only coverage of 88 percent. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-

2010: Reported data calibrated to 2005 and 2011 levels. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-

2009: Reported data calibrated to 2005 and 2011 levels. Estimate challenged by: D-R-

2008: Reported data calibrated to 2005 and 2011 levels. Estimate challenged by: D-R-

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**Estimate** is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2019 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-], or [S-], challenge the estimate.

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Honduras - IPV1

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).

2019: Estimate is based on estimated DTP1 coverage. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Estimate based on estimated DTP1 coverage. Estimate challenged by: R-

2017: Estimate based on estimated DTP1 coverage. Estimate challenged by: R-

2016: Estimate based on estimated DTP1 coverage following introduction. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-

2015: Programme reports 108 percent coverage in 8 percent of the national target population. Estimate is based on coverage achieved in total national annual birth cohort. Reported data excluded because 108 percent greater than 100 percent. Inactivated polio vaccine during December 2015. Estimate challenged by: R-

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: 2019 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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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.
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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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:

- **2019**: Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-
- **2018**: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2017**: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2016**: Reported data calibrated to 2011 levels. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: R-
- **2015**: Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2014**: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2013**: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2012**: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2011**: Estimate of 97 percent assigned by working group. Estimate is based on DTP3. Measles vaccination recommended between 12 and 23 months of age. Survey cohort underestimates coverage. Honduras Demographic and Health Survey 2011-2012 results ignored by working group. Measles vaccination recommended between 12 and 23 months of age. Survey cohort underestimates coverage. Reported data excluded because 106 percent greater than 100 percent. Estimate challenged by: R-
- **2010**: Reported data calibrated to 2000 and 2011 levels. Estimated challenged by: D-R-
- **2009**: Reported data calibrated to 2000 and 2011 levels. Estimate challenged by: D-R-
- **2008**: Reported data calibrated to 2000 and 2011 levels. Estimate challenged by: D-R-
Honduras - MCV2

Description:

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

2019: Estimate based on coverage reported by national government. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. GoC=Assigned by working group. GoC of 1 consistent with other vaccines.


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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.

- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2019 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.
The WHO and UNICEF estimates of national immunization coverage (nvmc) 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: 2019 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 accompanying graph and data table.

2019: Estimate based on estimated MCV1. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Estimate based on estimated MCV1. Estimate challenged by: R-

2017: Estimate based on estimated MCV1. Estimate challenged by: R-

2016: Estimate based on estimated MCV1. Estimate challenged by: R-

2015: Estimate based on estimated MCV1. Estimate challenged by: R-

2014: Estimate based on estimated MCV1. Estimate challenged by: R-

2013: Estimate based on estimated MCV1. Estimate challenged by: R-

2012: Estimate based on estimated MCV1. Estimate challenged by: R-

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

2010: Estimate based on estimated MCV1. Estimate challenged by: D-R-

2009: Estimate based on estimated MCV1. Estimate challenged by: D-R-

2008: Estimate based on estimated MCV1. Estimate challenged by: D-R-
Honduras - HepBB

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: 2019 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:

2019: Reported data calibrated to 2016 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2016 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2016 levels. Estimate challenged by: R-

2016: Estimate of 80 percent assigned by working group. Estimate is informed by the relative relationship between the reported number of children vaccinated with HepB birth dose and the number vaccinated with BCG. Estimate challenged by: R-

2015: Estimate of 80 percent assigned by working group. Estimate is informed by the relative relationship between the reported number of children vaccinated with HepB birth dose and the number vaccinated with BCG. Estimate challenged by: R-

2014: Reported data calibrated to 2011 and 2015 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2013: Reported data calibrated to 2011 and 2015 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: D-R-

2012: Reported data calibrated to 2011 and 2015 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: D-R-

2011: Estimate of 77 percent assigned by working group. Programme reports 98 percent coverage in 78 percent of the target population reflecting children born in hospital. Estimate reflects coverage achieved in total annual national target population. Estimate challenged by: D-R-

2010: Estimate of 78 percent assigned by working group. Programme reports 101 percent coverage in 78 percent of the target population reflecting children born in hospital. Estimate reflects coverage achieved in total annual national target population. Estimate challenged by: D-R-

2009: Programme reports 98 percent coverage in 74 percent of the target population reflecting children born in hospital. Estimate reflects coverage achieved in total annual national target population. Estimate challenged by: D-R-

2008: Programme reports 95 percent coverage in 64 percent of the target population reflecting children born in hospital. Estimate reflects coverage achieved in total annual national target population. Estimate challenged by: R-

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July 6, 2020; page 11

WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2021

Data received as of June 29, 2020
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: 2019 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:

2019: Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2016: Reported data calibrated to 2011 levels. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-

2015: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2014: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2013: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2012: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2011: Estimate of 97 percent assigned by working group. Estimate is based on survey result. Honduras Demographic and Health Survey 2011-2012 card or history results of 95 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3rd dose card only coverage of 88 percent. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-

2010: Reported data calibrated to 2011 levels. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-

2009: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-

2008: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-
The World Health Organization 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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</table>

### Description:

- **2019:** Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-
- **2018:** Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2017:** Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2016:** Reported data calibrated to 2011 levels. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-
- **2015:** Reported data calibrated to 2011 levels. Estimate challenged by: R-
- **2014:** Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2013:** Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2012:** Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-
- **2011:** Estimate of 97 percent assigned by working group. Estimate is based on survey result. Honduras Demographic and Health Survey 2011-2012 card or history results of 97 percent modified for recall bias to 97 percent based on 1st dose card or history coverage of 99 percent, 1st dose card only coverage of 90 percent and 3rd dose card only coverage of 88 percent. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-
- **2010:** Reported data calibrated to 2011 levels. Reported data excluded because 101 percent greater than 100 percent. Estimate challenged by: R-
- **2009:** Reported data calibrated to 2011 levels. Estimate challenged by: D-R-
- **2008:** Reported data calibrated to 2011 levels. Estimate challenged by: D-R-

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.
The WHO and UNICEF estimates of national immunization coverage (wueni) 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: 2019 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:

2019: Reported data calibrated to 2011 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2016: Reported data calibrated to 2011 levels. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-

2015: Reported data calibrated to 2011 levels. Estimate challenged by: R-

2014: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2013: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2012: Reported data calibrated to 2011 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2011: Estimate of 97 percent assigned by working group. Estimate is based on survey result. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: R-

2010: Reported data calibrated to 2011 levels. Estimate challenged by: D-R-

2009: Reported data calibrated to 2011 levels. Rotavirus vaccine introduced in February 2009. Estimate challenged by: D-R-

---

**Table:**

<table>
<thead>
<tr>
<th>Year</th>
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<th>Official</th>
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<td>2016</td>
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</tbody>
</table>

**Legend:**

- **NA** = Not Available
- **R** = Reported data
- **D** = Data from the UN Population Division
- **S** = Survey

**Notes:**

July 6, 2020; page 14 WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2021 data received as of June 29, 2020
Honduras - PcV3

Description:

2019: Reported data calibrated to 2016 levels. WHO and UNICEF are aware of a 2019 Multiple Indicator Cluster Survey and await the final results. Estimate challenged by: R-

2018: Reported data calibrated to 2016 levels. Estimate challenged by: R-

2017: Reported data calibrated to 2016 levels. Estimate challenged by: R-

2016: Estimate of 94 percent assigned by working group. Estimate based on estimated DTP3 coverage. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: R-

2015: Reported data calibrated to 2012 and 2016 levels. Estimate challenged by: R-

2014: Reported data calibrated to 2012 and 2016 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2013: Reported data calibrated to 2012 and 2016 levels. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2012: Estimate of 97 percent assigned by working group. Estimate is based on estimated DTP3 coverage. Reported data excluded. Reported coverage levels and underlying target populations are inconsistent over the period 2012-2016. WHO and UNICEF encourage a revision of the reported coverage time series using a consistent target population for at least the prior ten years. Estimate challenged by: R-

2011: Pneumococcal conjugate vaccine was introduced in 2011. Estimate challenged by: R-

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

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### 2005 Encuesta Nacional de Demografía y Salud 2005-2006

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### 2000 Encuesta Nacional de Epidemiología y Salud Familiar 2001

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Further information and estimates for previous years are available at:
http://www.data.unicef.org/child-health/immunization