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. 2012. A formal representation of the WHO and UNICEF estimates of national 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.

HepB: 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 (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: 2017 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; \([R+], [S+], [D+]\); and no data source, \([R-], [D-], [S-]\), 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Estimate</th>
<th>GoC</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>99</td>
<td>D+</td>
</tr>
<tr>
<td>2017</td>
<td>99</td>
<td>D+</td>
</tr>
<tr>
<td>2016</td>
<td>99</td>
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<tr>
<td>2011</td>
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<tr>
<td>2010</td>
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<td>D+</td>
</tr>
<tr>
<td>2007</td>
<td>98</td>
<td>D+</td>
</tr>
</tbody>
</table>

Description:

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Estimate challenged by: D-

2015: Estimate based on interpolation between data reported by national government. Reported data excluded because 101 percent greater than 100 percent. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Estimate challenged by: D-

2013: Estimate based on coverage reported by national government. Estimate challenged by: D-

2012: Estimate based on coverage reported by national government. Estimate based on reported data. Estimate challenged by: D-

2011: Estimate based on interpolation between data reported by national government. Reported data excluded because 110 percent greater than 100 percent. Estimate challenged by: D-

2010: Estimate based on interpolation between data reported by national government. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: D-

2009: Estimate based on coverage reported by national government. Estimate challenged by: D-

2008: Estimate based on coverage reported by national government. Estimate challenged by: D-

2007: Estimate based on coverage reported by national government. Estimate challenged by: D-

July 2, 2019; page 3

WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2020

Data received as of June 28, 2019
The WHO and UNICEF estimates of national immunization coverage (vaccine) 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: 2017 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:

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Program reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Estimate challenged by: D-

2013: Estimate based on coverage reported by national government. Estimate challenged by: D-

2012: Estimate based on coverage reported by national government. Estimate challenged by: D-

2011: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: D-R-

2010: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: D-R-

2009: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: D-R-

2008: Estimate based on interpolation between data reported by national government. Reported data excluded because 104 percent greater than 100 percent. Estimate challenged by: D-

2007: DTP1 coverage estimated based on DTP3 coverage of 96. 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.

Estimate is supported by reported data [R+], coverage recalculated with an independent denominator
from the World Population Prospects: 2017 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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Official</th>
<th>Administrative</th>
<th>Survey</th>
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</thead>
<tbody>
<tr>
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<td>96</td>
<td>96</td>
<td>NA</td>
</tr>
<tr>
<td>2008</td>
<td>96</td>
<td>96</td>
<td>NA</td>
</tr>
<tr>
<td>2009</td>
<td>99</td>
<td>100</td>
<td>NA</td>
</tr>
<tr>
<td>2010</td>
<td>98</td>
<td>98</td>
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<td>NA</td>
</tr>
<tr>
<td>2018</td>
<td>94</td>
<td>94</td>
<td>NA</td>
</tr>
</tbody>
</table>

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: 2017 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.

2018: Estimate based on coverage reported by national government. No nationally representative
independent assessment has been conducted within the last 5 years. WHO and UNICEF
recommend a high-quality independent empirical assessment to confirm reported levels
of coverage. Programme reports four to five month vaccine stock-out at national level.
Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a
stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate
challenged by: D-

2016: Estimate based on coverage reported by national government. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination
coverage study conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Estimate challenged by: D-

2013: Estimate based on coverage reported by national government. Estimate challenged by: D-

2012: Estimate based on coverage reported by national government. Estimate challenged by: D-

2011: Estimate based on coverage reported by national government. Estimate challenged by: D-

2010: Estimate based on coverage reported by national government. Estimate challenged by: D-

2009: Estimate based on coverage reported by national government. Estimate challenged by: D-

2008: Estimate based on coverage reported by national government. Estimate challenged by: D-

2007: Estimate based on coverage reported by national government. Estimate challenged by: D-

July 2, 2019; page 5  WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2020  data received as of June 28, 2019
**Dominica - Pol3**

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.

<table>
<thead>
<tr>
<th>Year</th>
<th>Grade of Confidence</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2018</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2017</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2016</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2015</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2014</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Programme reports four to six month stock-out of polio vaccine at the national level. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2013</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2012</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2011</td>
<td>R+ D+</td>
<td>Estimate based on interpolation between data reported by national government. Reported data excluded because 141 percent greater than 100 percent. Reported data excluded due to an increase from 99 percent to 141 percent with decrease 97 percent. GoC=R+ D+</td>
</tr>
<tr>
<td>2010</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2009</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2008</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
<tr>
<td>2007</td>
<td>R+ D+</td>
<td>Estimate based on coverage reported by national government. Estimate challenged by: D-</td>
</tr>
</tbody>
</table>

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:**

- **Estimate** is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2017 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.

**Survey** data received as of June 28, 2019.
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: 2017 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).

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Full roll out of IPV Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Inactivated polio vaccine during September 2015. Estimate challenged by: D-
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:

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports eight month measles containing vaccine stock-out at national level. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Programme reports three month stock-out of MMR vaccine at the national level. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination coverage survey conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Programme reports six month stock-out of measles containing vaccine at national level. Estimate challenged by: D-

2013: Estimate based on coverage reported by national government. Estimate challenged by: D-

2012: Estimate based on coverage reported by national government. Estimate challenged by: D-

2011: Estimate based on coverage reported by national government. Estimate challenged by: D-

2010: Estimate based on coverage reported by national government. Estimate challenged by: D-

2009: Estimate based on interpolation between data reported by national government. Reported data excluded because 106 percent greater than 100 percent. Estimate challenged by: D-

2008: Estimate based on coverage reported by national government. Estimate challenged by: D-

2007: Estimate based on coverage reported by national government. Estimate challenged by: D-

### Table:

<table>
<thead>
<tr>
<th>Year</th>
<th>Estimate</th>
<th>Estimate Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>2007</td>
<td>96</td>
<td>R+, D+, S+</td>
</tr>
<tr>
<td>2008</td>
<td>99</td>
<td>R+, D+, S+</td>
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<td>2009</td>
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<td>R+, D+, S+</td>
</tr>
<tr>
<td>2010</td>
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<td>2011</td>
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<td>R+, D+, S+</td>
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<td>R+, D+, S+</td>
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<td>2018</td>
<td>84</td>
<td>R+, D+, S+</td>
</tr>
</tbody>
</table>

**Legend:**

- **R+** Estimate is supported by reported data.
- **D+** Coverage recalculated with an independent denominator from the World Population Prospects: 2017 revision from the UN Population Division.
- **S+** At least one supporting survey within 2 years.
- **R-** There are no directly supporting data.
- **D-** Challenges the estimate.
- **S-** Challenges 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 (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: 2017 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:

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

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports eight month measles containing vaccine stock-out at national level. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Programme reports three month stock-out of MMR vaccine at the national level. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Recommended age of administration for the second dose of measles containing vaccine changed to 18 months. Programme reports six month stock-out of measles containing vaccine at national level. Estimate challenged by: D-

2013: Estimate based on coverage reported by national government. Estimate challenged by: D-

2012: Estimate based on coverage reported by national government. Estimate challenged by: D-

2011: Estimate based on interpolation between reported values. Reported data excluded because 105 percent greater than 100 percent. Estimate challenged by: D-

2010: Estimate based on interpolation between reported values. Reported data excluded because 114 percent greater than 100 percent. GoC=R+ D+

2009: Estimate based on coverage reported by national government. Estimate challenged by: D-

2008: Estimate based on interpolation between reported values. Reported data excluded because 102 percent greater than 100 percent. Estimate challenged by: D-

2007: Estimate based on coverage reported by national government. Estimate challenged by: D-

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July 2, 2019; page 9

WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2020

Data received as of June 28, 2019
Dominica - RCV1

Description:

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

2018: Estimate based on estimated MCV1. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Estimate challenged by: D-

2017: Estimate based on estimated MCV1. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

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

2015: Estimate based on estimated MCV1. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

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

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

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

2011: Estimate based on estimated MCV1. House to house vaccination coverage study conducted in 2011. Estimate challenged by: D-

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

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

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

2007: Estimate based on estimated MCV1. Estimate challenged by: D-

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.
Dominica - 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: 2017 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:

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

2017: Birth dose introduced in 2017. Programme reports 23 percent coverage achieved in 33 percent of the national target population. Estimate is based on annualized coverage achieved in the national target population. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: R-

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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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- 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:

2018: Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

2017: Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

2016: Estimate based on coverage reported by national government. Estimate challenged by: D-

2015: Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

2014: Estimate based on coverage reported by national government. Estimate challenged by: D-

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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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### 2018
- Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

### 2017
- Estimate based on coverage reported by national government. Programme reported a stock-out of all vaccines for 4-5 months at central level due to Hurricane Maria. Estimate challenged by: D-

### 2016
- Estimate based on coverage reported by national government. Estimate challenged by: D-

### 2015
- Estimate based on coverage reported by national government. House to house vaccination coverage study conducted in 2015. Estimate challenged by: D-

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**2018:** Estimate based on coverage reported by national government. No nationally representative independent assessment has been conducted within the last 5 years. WHO and UNICEF recommend a high-quality independent empirical assessment to confirm reported levels of coverage. Programme reports four to five month vaccine stock-out at national level. Estimate challenged by: D-

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