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- 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:

2004: Estimate based on coverage reported by national government. GoC=R+D+
2005: Estimate based on coverage reported by national government. GoC=R+D+
2006: Estimate based on coverage reported by national government. GoC=R+
2007: Estimate based on coverage reported by national government. GoC=R+
2008: Estimate based on coverage reported by national government. GoC=R+
2009: Estimate based on coverage reported by national government. WHO UNICEF estimates for infant immunization coverage discontinued from 2010. GoC=R+

The table below provides estimates for the years 2004 to 2015:

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### Czech Republic - DTP1

**Description:**

2004: Estimate based on DTP3 coverage of 98. GoC=No accepted empirical data
2005: Estimate based on DTP3 coverage of 97. GoC=No accepted empirical data
2006: Estimate based on DTP3 coverage of 98. GoC=No accepted empirical data
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2013: Estimate based on DTP3 coverage of 99. GoC=No accepted empirical data
2014: Estimate based on DTP3 coverage of 99. GoC=No accepted empirical data
2015: Estimate based on DTP3 coverage of 99. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=No accepted empirical data
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- **2007:** Estimate based on coverage reported by national government. GoC=R+ D+
- **2008:** Estimate based on coverage reported by national government. GoC=R+ D+
- **2009:** Estimate based on coverage reported by national government. GoC=R+ D+
- **2010:** Estimate based on reported administrative data. GoC=R+ D+
- **2011:** Estimate based on reported administrative data. GoC=R+ D+
- **2012:** Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
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- **2014:** Estimate based on extrapolation from data reported by national government. GoC=No accepted empirical data
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- 2014: Estimate based on coverage reported by national government. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=R+

### Table:

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July 6, 2016; page 5

WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2017

Data as of July 5, 2016
Czech Republic - MCV1

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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### Description:

2004: Estimate based on coverage reported by national government. GoC=R+
2005: Estimate based on coverage reported by national government. GoC=R+
2006: Estimate based on coverage reported by national government. GoC=R+
2007: Estimate based on reported administrative data. GoC=R+
2008: Estimate based on reported administrative data. GoC=R+
2009: Estimate based on reported administrative data. GoC=R+
2010: Estimate based on coverage reported by national government. GoC=R+
2011: Estimate based on reported administrative data. GoC=R+
2012: Estimate based on reported administrative data. GoC=R+
2013: Estimate based on reported administrative data. GoC=R+
2014: Estimate based on reported administrative data. GoC=R+
2015: Estimate based on extrapolation from data reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=No accepted empirical data

### Data Table:

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#### Description:

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

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</table>

- **Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk of being wrong.**

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Czech Republic - RCV1

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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.

2004: Estimate based on estimated MCV1. GoC=R+
2005: Estimate based on estimated MCV1. GoC=R+
2006: Estimate based on estimated MCV1. GoC=R+
2007: Estimate based on estimated MCV1. GoC=R+
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2013: Estimate based on estimated MCV1. GoC=R+
2014: Estimate based on estimated MCV1. GoC=R+
2015: Estimate based on estimated MCV1. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=No accepted empirical data

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WHO and UNICEF estimates of national immunization coverage - next revision available July 15, 2017

data as of July 5, 2016
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.

### Czech Republic - HepB3

<table>
<thead>
<tr>
<th>Year</th>
<th>Estimation Source</th>
<th>GoC</th>
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<tbody>
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<td>2004</td>
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<tr>
<td>2015</td>
<td>2014</td>
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</tbody>
</table>

**Description:**

- 2004: Estimate based on coverage reported by national government. GoC=R+ D+
- 2005: Estimate based on coverage reported by national government. GoC=R+ D+
- 2006: Estimate based on coverage reported by national government. GoC=R+ D+
- 2007: 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-
- 2009: Estimate based on coverage reported by national government. GoC=R+ D+
- 2010: Estimate based on coverage reported by national government. GoC=R+ D+
- 2011: Estimate based on reported administrative estimate. GoC=R+ D+
- 2012: Estimate based on reported administrative estimate. GoC=R+ D+
- 2013: Estimate based on reported administrative estimate. GoC=R+ D+
- 2014: Estimate based on reported administrative estimate. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=R+
Description:

2004: Estimate based on coverage reported by national government. GoC=R+ D+

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2009: Estimate based on coverage reported by national government. GoC=R+ D+

2010: Estimate based on reported administrative estimate. GoC=R+

2011: Estimate based on reported administrative estimate. GoC=R+

2012: Estimate based on reported administrative estimate. GoC=R+

2013: Estimate based on reported administrative estimate. GoC=R+

2014: Estimate based on reported administrative estimate. GoC=R+

2015: Estimate based on coverage reported by national government. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality population-based survey to confirm reported levels of coverage and the results of administrative system evaluations. GoC=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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