Hungary: WHO and UNICEF estimates of immunization coverage: 2015 revision

BCG

DTP1

DTP3

Pol3

MCV1

HepB3

Hib3

RotaC

PoV3

Data as of July 5, 2016
Estimate GoC

••• 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.

•• 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 (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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Hungary - DTP1

Description:

2004: Reported data calibrated to 1997 levels. GoC=D+
2005: Reported data calibrated to 1997 levels. GoC=No accepted empirical data
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2015: Reported data calibrated to 1997 levels. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=D+

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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.

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- **2007:** Reported data calibrated to 1997 levels. GoC=D+
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</tbody>
</table>

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2015: Reported data calibrated to 1997 levels. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=D+
Estimate
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### Description:

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

2004: Estimate based on reported administrative estimate. Estimate challenged by: D-

2005: Estimate based on reported administrative estimate. GoC=R+

2006: Estimate based on reported administrative estimate. GoC=R+

2007: Estimate based on reported administrative estimate. Estimate challenged by: D-

2008: Estimate based on reported administrative estimate. GoC=R+ D+

2009: Estimate based on reported administrative estimate. GoC=R+ D+

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

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

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

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July 6, 2016; page 7 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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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=D+
2005: Estimate based on estimated MCV1. GoC=No accepted empirical data
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2007: Estimate based on estimated MCV1. GoC=D+
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### GoC Definitions

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### Description:

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### Table: India - Hib3

<table>
<thead>
<tr>
<th>Year</th>
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Description:

2011: Estimate based on reported administrative estimate. Pneumococcal conjugate vaccine introduced in 2009. Administrative data are available only for 1st dose of PCV in 2009 (82 percent) and 2010 (89 percent). GoC=R+
2012: Estimate based on reported administrative estimate. GoC=R+
2013: Estimate based on reported administrative estimate. GoC=R+ D+
2014: Estimate based on reported administrative estimate. GoC=R+ D+
2015: Estimate based on reported administrative estimate. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. GoC=R+ D+
Further information and estimates for previous years are available at:
http://www.data.unicef.org/child-health/immunization