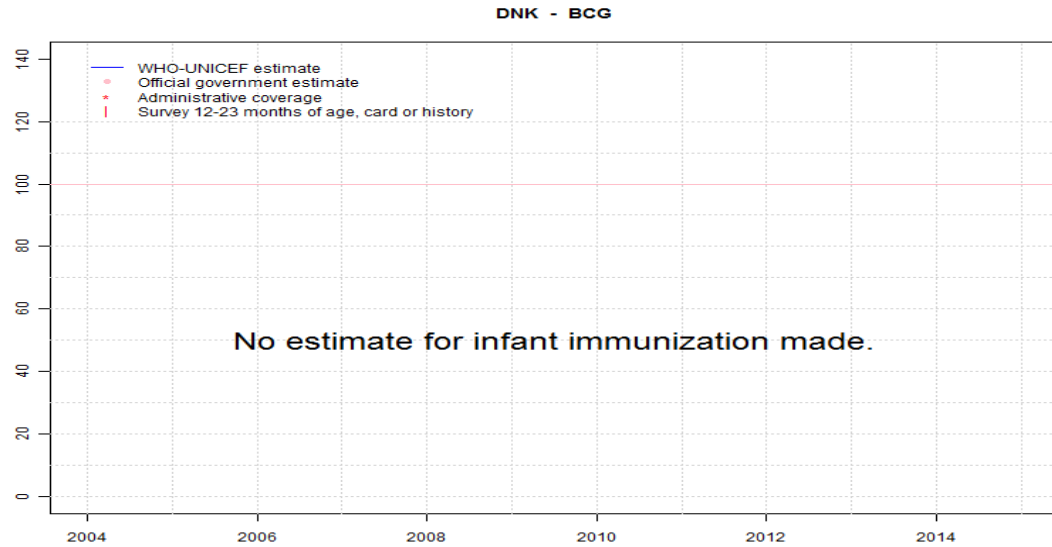


# Denmark - BCG



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

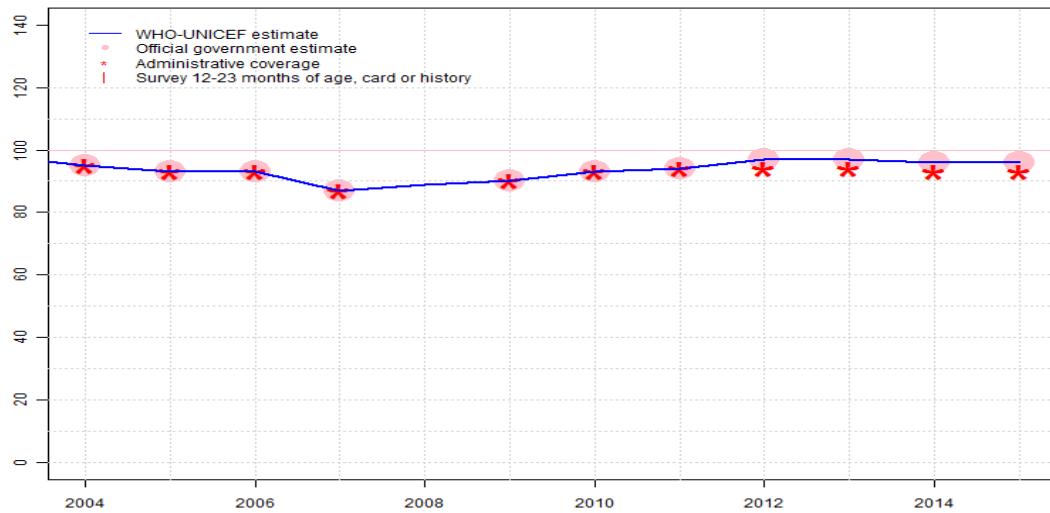
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

# Denmark - DTP1

DNK - DTP1



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	95	93	93	87	89	90	93	94	97	97	96	96
Estimate GoC	••	••	••	••	•	••	••	••	••	••	••	••
Official	95	93	93	87	NA	90	93	94	97	97	96	96
Administrative	95	93	93	87	NA	90	93	94	94	94	93	93
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

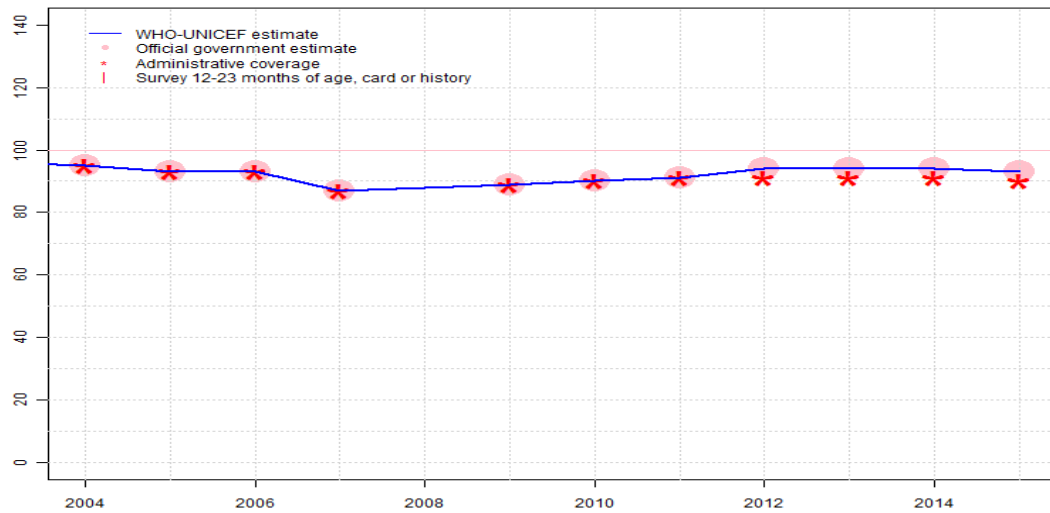
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## 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. GoC=R+ D+
- 2008: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 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 coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. Denmark reported use of HepB given to all children in 2014. It was explained by a shortage of DTaP-Hib-IPV vaccine. HepB vaccine is not recommended by national programme for others than risk groups. Hence, no coverage data reported for HepB3. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. Denmark reported use of HepB given to all children in 2014. It was explained by a shortage of DTaP-Hib-IPV vaccine. Programme reports one-half month stock-out of DTP containing vaccine. GoC=R+ D+

# Denmark - DTP3

DNK - DTP3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	95	93	93	87	88	89	90	91	94	94	94	93
Estimate GoC	••	••	••	••	•	••	••	••	••	••	••	••
Official	95	93	93	87	NA	89	90	91	94	94	94	93
Administrative	95	93	93	87	NA	89	90	91	91	91	91	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

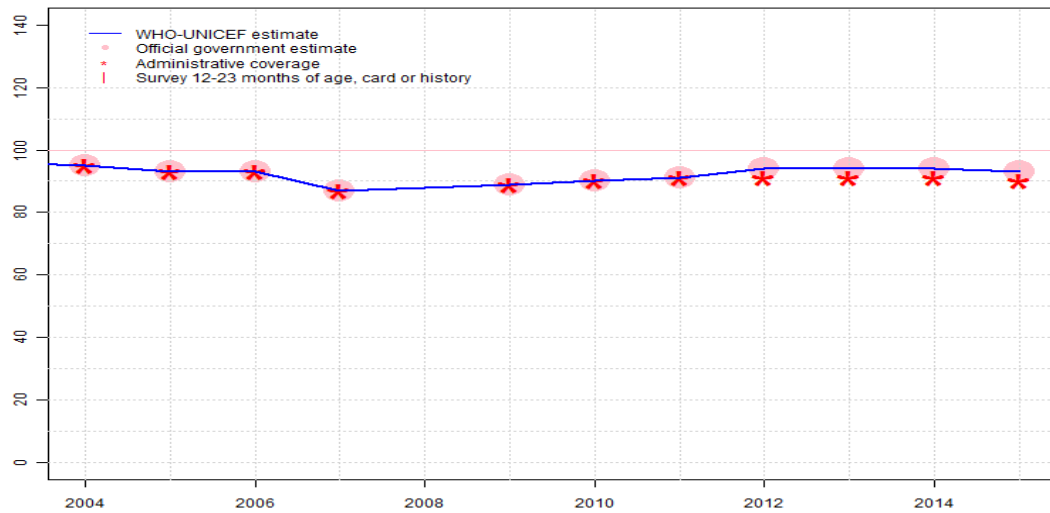
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## 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. GoC=R+
- 2008: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 2009: Estimate based on coverage reported by national government. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. Denmark reported use of HepB given to all children in 2014. It was explained by a shortage of DTaP-Hib-IPV vaccine. HepB vaccine is not recommended by national programme for others than risk groups. Hence, no coverage data reported for HepB3. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. It was explained by a shortage of DTaP-Hib-IPV vaccine. Programme reports one-half month stock-out of DTP containing vaccine. GoC=R+ D+

# Denmark - Pol3

DNK - Pol3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	95	93	93	87	88	89	90	91	94	94	94	93
Estimate GoC	●●	●●	●●	●●	●	●●	●●	●●	●●	●●	●●	●●
Official	95	93	93	87	NA	89	90	91	94	94	94	93
Administrative	95	93	93	87	NA	89	90	91	91	91	91	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

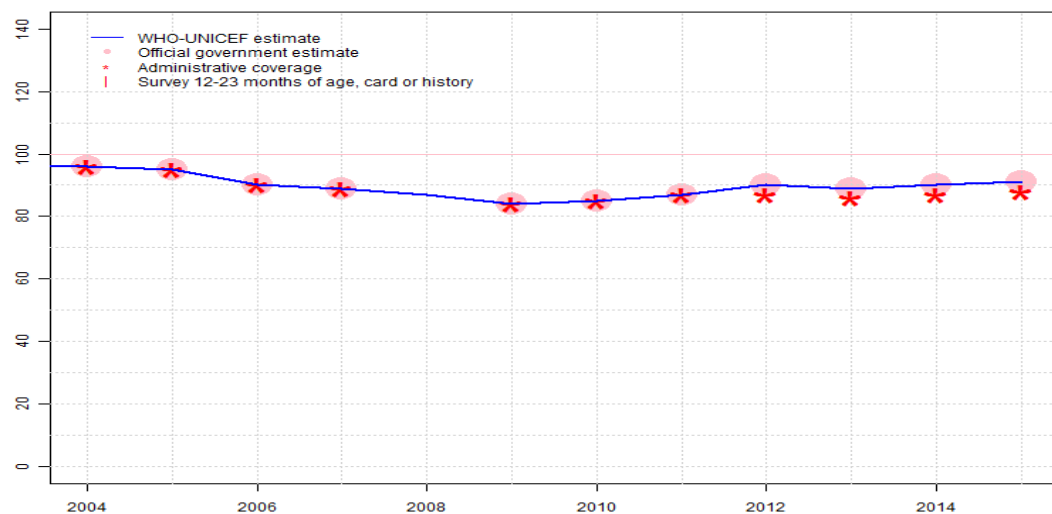
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## 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. GoC=R+ D+
- 2008: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 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 coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. It was explained by a shortage of DTaP-Hib-IPV vaccine. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+

# Denmark - MCV1

DNK - MCV1



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	96	95	90	89	87	84	85	87	90	89	90	91
Estimate GoC	••	••	•	••	•	••	••	••	••	••	••	••
Official	96	95	90	89	NA	84	85	87	90	89	90	91
Administrative	96	95	90	89	NA	84	85	87	87	86	87	88
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

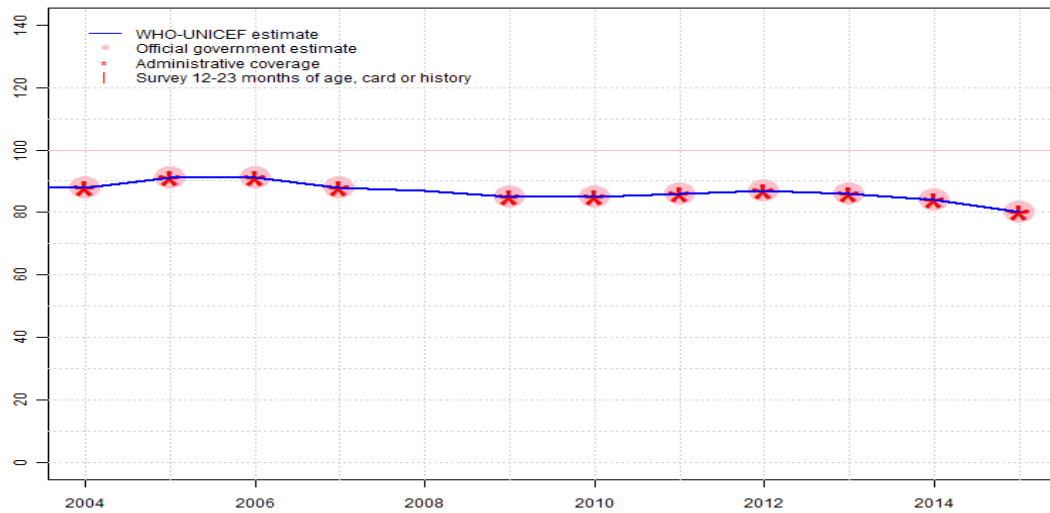
## Description:

- 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. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 2009: Estimate based on coverage reported by national government. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+



# Denmark - MCV2

DNK - MCV2



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	88	91	91	88	87	85	85	86	87	86	84	80
Estimate GoC	••	••	•	••	•	••	••	••	•	•	•	••
Official	88	91	91	88	NA	85	85	86	87	86	84	80
Administrative	88	91	91	88	NA	85	85	86	87	86	84	80
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

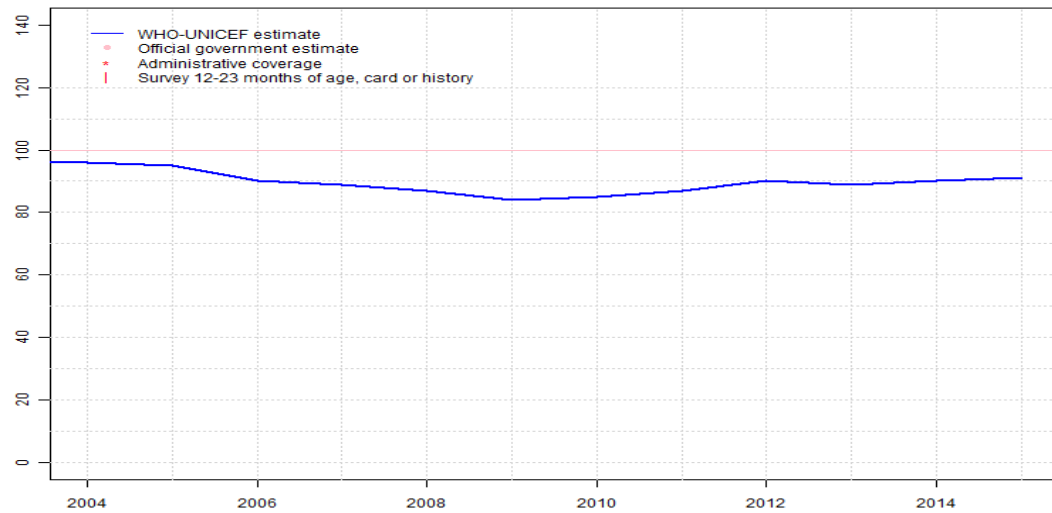
## Description:

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

- 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. Estimate challenged by: D-
- 2007: Estimate based on coverage reported by national government. GoC=R+
- 2008: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2009: Estimate based on coverage reported by national government. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for MMR first dose coverage but not for the second dose coverage. Estimate challenged by: D-
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for MMR first dose coverage but not for the second dose coverage. Estimate challenged by: D-
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for MMR first dose coverage but not for the second dose coverage. Estimate challenged by: D-
- 2015: Estimate based on coverage reported by national government. GoC=R+D+

# Denmark - RCV1

DNK - RCV1



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	96	95	90	89	87	84	85	87	90	89	90	91
Estimate GoC	••	••	•	••	•	••	••	••	••	••	••	••
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

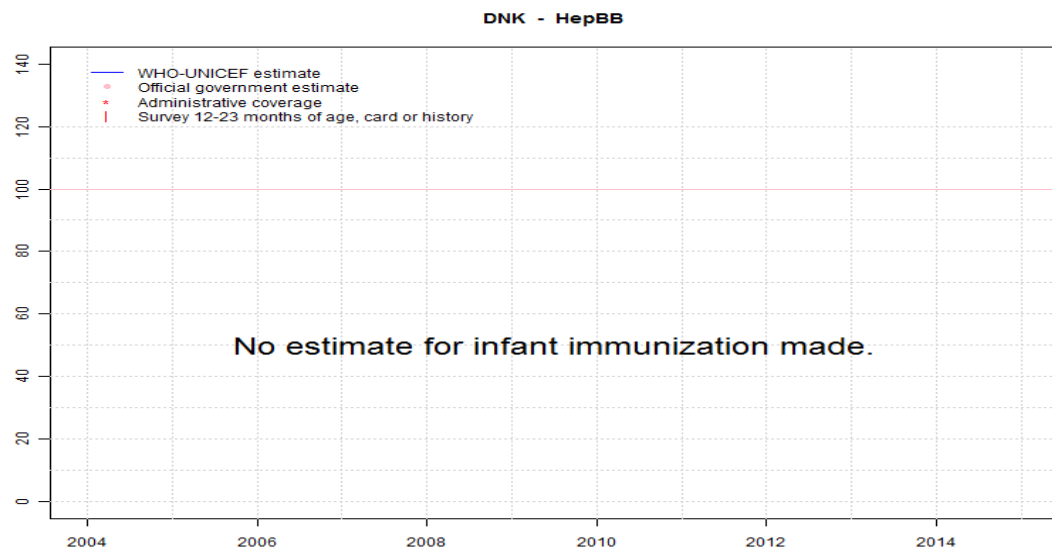
## Description:

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+ D+
- 2005: Estimate based on estimated MCV1. GoC=R+ D+
- 2006: Estimate based on estimated MCV1. Estimate challenged by: D-
- 2007: Estimate based on estimated MCV1. GoC=R+
- 2008: Estimate based on estimated MCV1. GoC=No accepted empirical data
- 2009: Estimate based on estimated MCV1. GoC=R+
- 2010: Estimate based on estimated MCV1. GoC=R+
- 2011: Estimate based on estimated MCV1. GoC=R+
- 2012: Estimate based on estimated MCV1. GoC=R+ D+
- 2013: Estimate based on estimated MCV1. GoC=R+ D+
- 2014: Estimate based on estimated MCV1. GoC=R+ D+
- 2015: Estimate based on estimated MCV1. GoC=R+ D+



# Denmark - HepBB



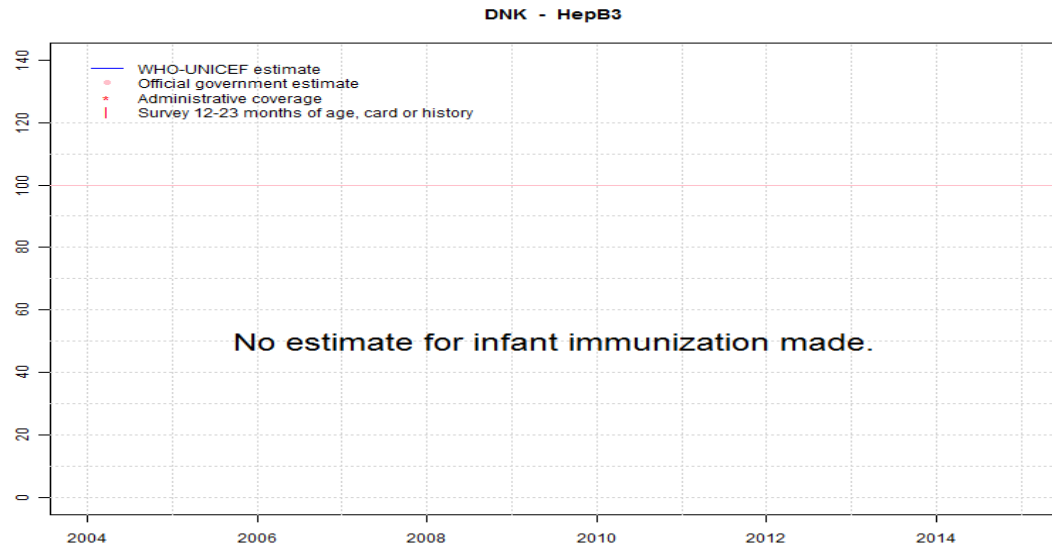
	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

# Denmark - HepB3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

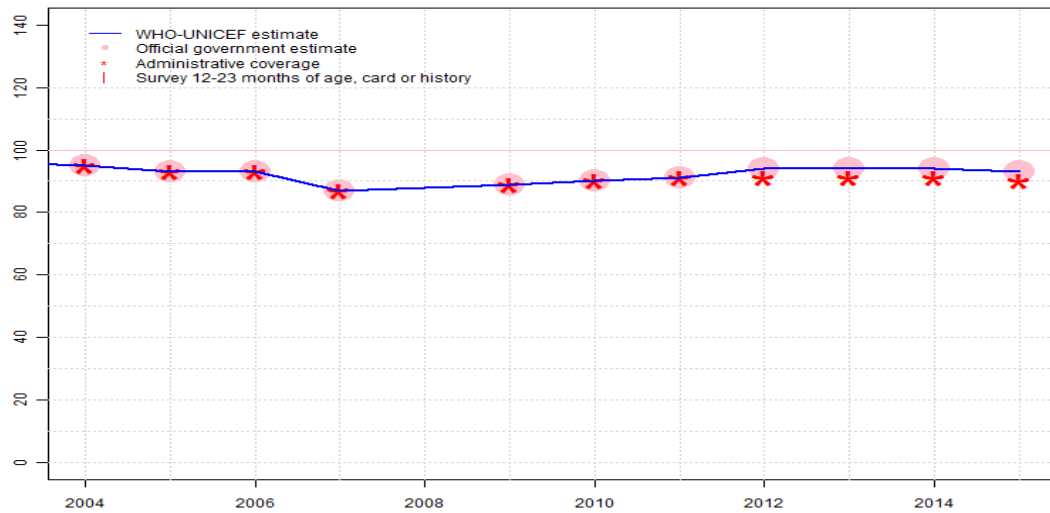
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

# Denmark - Hib3

DNK - Hib3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	95	93	93	87	88	89	90	91	94	94	94	93
Estimate GoC	••	••	••	••	•	••	••	••	••	••	••	••
Official	95	93	93	87	NA	89	90	91	94	94	94	93
Administrative	95	93	93	87	NA	89	90	91	91	91	91	90
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

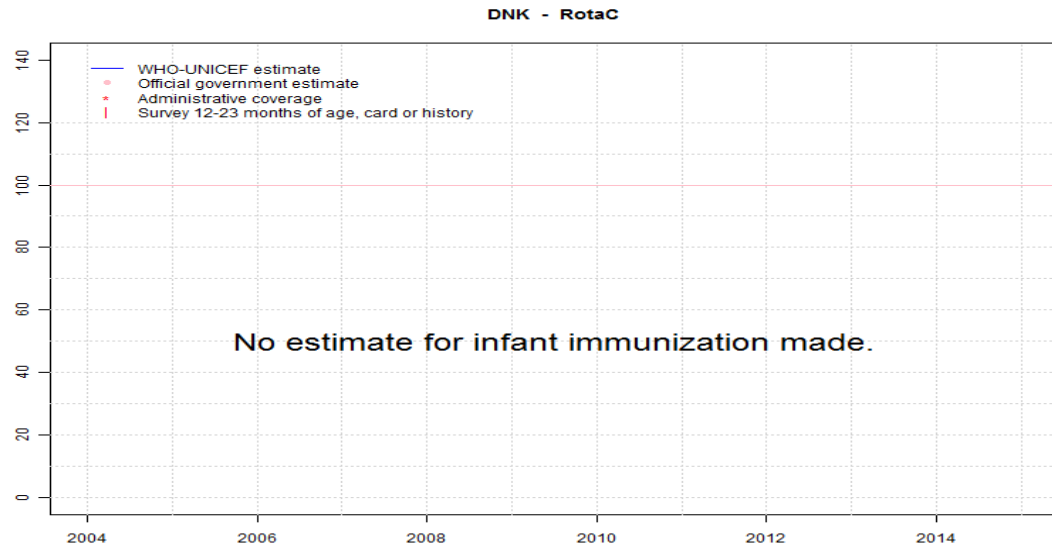
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2015 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

## 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. GoC=R+ D+
- 2008: Estimate based on interpolation between data reported by national government. GoC=No accepted empirical data
- 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 coverage reported by national government. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. Denmark reported use of HepB given to all children in 2014. It was explained by a shortage of DTaP-Hib-IPV vaccine. HepB vaccine is not recommended by national programme for others than risk groups. Hence, no coverage data reported for HepB3. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 percentage points for DTP, Hib, IPV, PcV and MMR coverage. Denmark reported use of HepB given to all children in 2014. It was explained by a shortage of DTaP-Hib-IPV vaccine. HepB vaccine is not recommended by national programme for others than risk groups. Hence, no coverage data reported for HepB3. GoC=R+ D+

# Denmark - RotaC



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Estimate GoC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Official	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Administrative	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

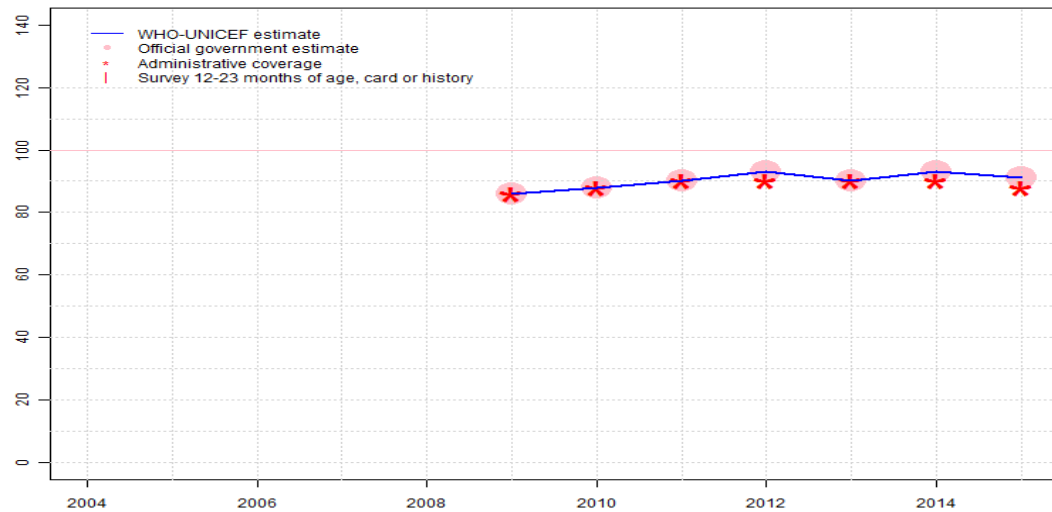
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

# Denmark - PcV3

DNK - PcV3



	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Estimate	NA	NA	NA	NA	NA	86	88	90	93	90	93	91
Estimate GoC	NA	NA	NA	NA	NA	●●	●●	●●	●●	●●	●●	●●
Official	NA	NA	NA	NA	NA	86	88	90	93	90	93	91
Administrative	NA	NA	NA	NA	NA	86	88	90	90	90	90	88
Survey	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability model upon which the estimates are based, we are unable to present classical measures of uncertainty, e.g., confidence intervals. Moreover, we have chosen not to make subjective estimates of plausibility/certainty ranges around the coverage. The GoC reflects the degree of empirical support upon which the estimates are based. It is not a judgment of the quality of data reported by national authorities.

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

## Description:

- 2009: Estimate based on coverage reported by national government. Pneumococcal conjugate vaccine introduced in 2007, reporting started in 2009. GoC=R+
- 2010: Estimate based on coverage reported by national government. GoC=R+
- 2011: Estimate based on coverage reported by national government. GoC=R+
- 2012: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2013: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2014: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+
- 2015: Estimate based on coverage reported by national government. Survey results (described <http://www.ssi.dk/English/News/EPI-NEWS/2012/>) document the presence of under-reporting therefore the official country estimate reflects an added 3 to 4 percentage points for DTP, Hib, IPV, PcV and MMR coverage. GoC=R+ D+

Further information and estimates for previous years are available at:

<http://www.data.unicef.org/child-health/immunization>

[http://www.who.int/immunization/monitoring\\_surveillance/routine/coverage/en/index4.html](http://www.who.int/immunization/monitoring_surveillance/routine/coverage/en/index4.html)