

|                |      |      |      |      |      |      |      |      |      |      |      |      |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Estimate       | 99   | 99   | 89   | 99   | 99   | 97   | 95   | 93   | 91   | 99   | 95   | 94   |
| Estimate GoC   | ●●   | ●    | ●    | ●    | ●    | ●    | ●    | ●●   | ●    | ●    | ●    | ●    |
| Official       | 99   | 100  | 89   | 100  | 100  | 97   | 95   | 109  | 91   | 99   | 95   | 94   |
| Administrative | 99   | NA   | 89   | 104  | 100  | 97   | 95   | 109  | 91   | 99   | 97   | 94   |
| 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: 2012 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.

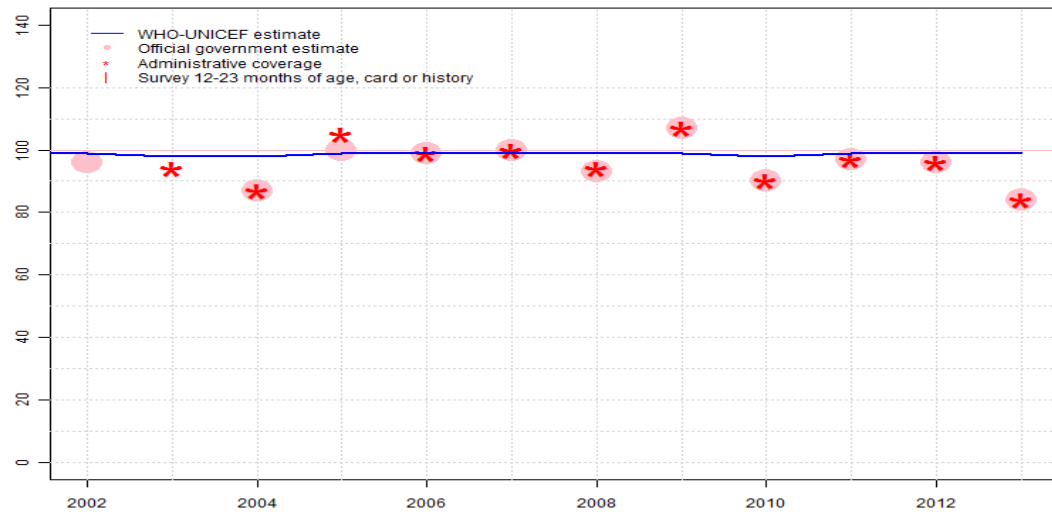
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. . Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: 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-
- 2008: 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. 109 percent greater than 100 percent. Reported data excluded. Unexplained increase from 95 percent to 109 percent with decrease 91 percent. GoC=D+
- 2010: Estimate based on coverage reported by national government. Estimates based on reported data. Estimate challenged by: D-
- 2011: 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-
- 2013: 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 survey to confirm reported levels of coverage. Estimate challenged by: D-

# Saint Kitts and Nevis - DTP1

KNA - DTP1



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 99   | 98   | 98   | 99   | 99   | 99   | 99   | 99   | 98   | 99   | 99   | 99   |
| Estimate GoC   | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    |
| Official       | 96   | NA   | 87   | 100  | 99   | 100  | 93   | 107  | 90   | 97   | 96   | 84   |
| Administrative | NA   | 94   | 87   | 105  | 99   | 100  | 94   | 107  | 90   | 97   | 96   | 84   |
| 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: 2012 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.

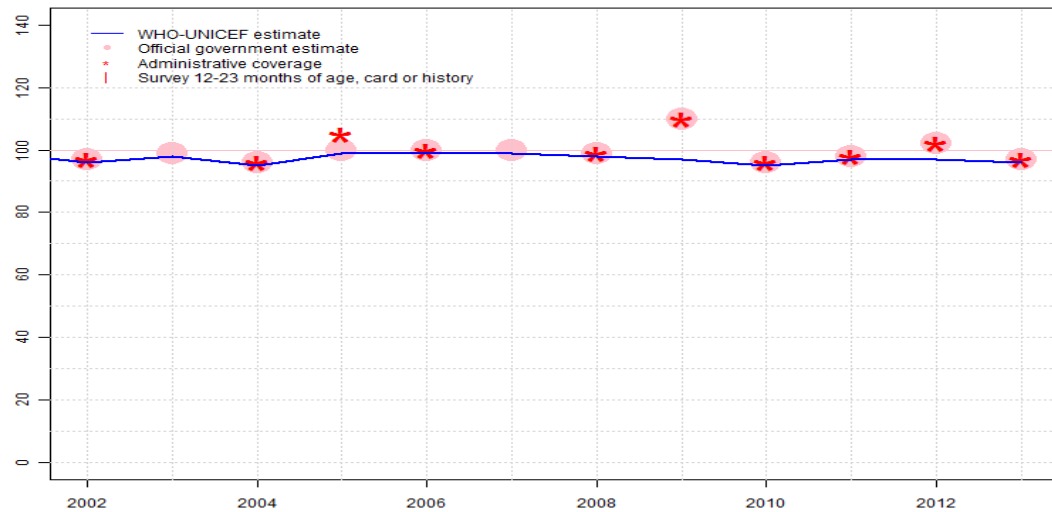
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

## Description:

- 2002: Reported data calibrated to 1997 levels. GoC=No accepted empirical data
- 2003: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2004: DTP1 coverage estimated based on DTP3 coverage of 95. Estimate challenged by: D-R-
- 2005: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2006: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2007: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2008: DTP1 coverage estimated based on DTP3 coverage of 98. Estimate challenged by: D-R-
- 2009: DTP1 coverage estimated based on DTP3 coverage of 97. Reported data excluded. 107 percent greater than 100 percent. Reported data excluded. Unexplained increase from 93 percent to 107 percent with decrease 90 percent. Estimate challenged by: R-
- 2010: DTP1 coverage estimated based on DTP3 coverage of 95. Estimates based on reported data. Estimate challenged by: D-R-
- 2011: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2012: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2013: Reported data calibrated to 1997 levels. Reported data excluded. Change in reported coverage from 96 level to 84 percent. No nationally representative household survey within the last 5 years. WHO and UNICEF recommend a high-quality survey to confirm reported levels of coverage. Estimate challenged by: D-

# Saint Kitts and Nevis - DTP3

KNA - DTP3



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 96   | 98   | 95   | 99   | 99   | 99   | 98   | 97   | 95   | 97   | 97   | 96   |
| Estimate GoC   | •    | ••   | •    | •    | •    | •    | •    | ••   | ••   | •    | •    | •    |
| Official       | 97   | 99   | 96   | 100  | 100  | 100  | 99   | 110  | 96   | 98   | 102  | 97   |
| Administrative | 97   | NA   | 96   | 105  | 100  | NA   | 99   | 110  | 96   | 98   | 102  | 97   |
| 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.

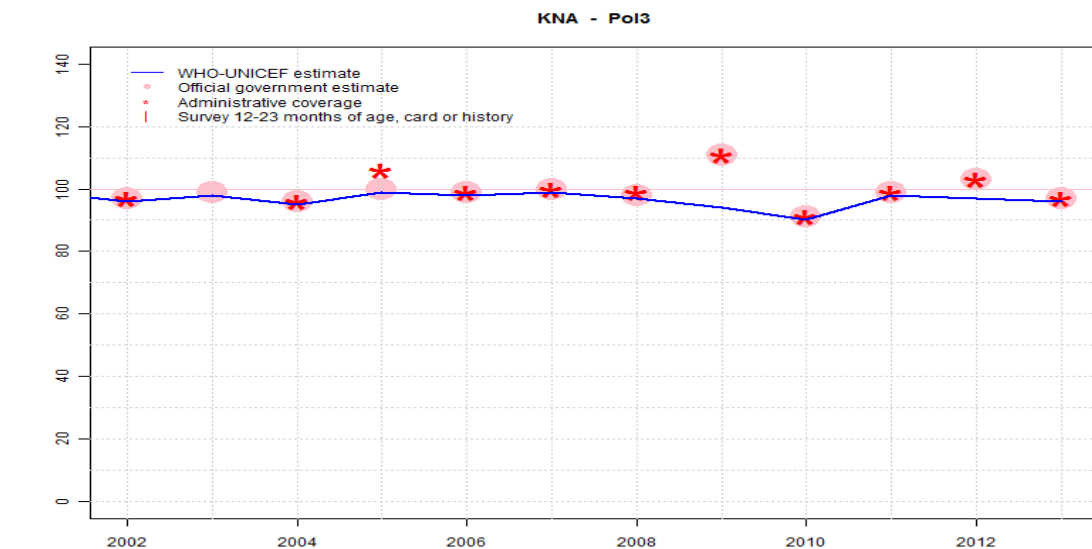
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Reported data calibrated to 1997 levels. GoC=No accepted empirical data
- 2003: Reported data calibrated to 1997 levels. GoC=D+
- 2004: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2005: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2006: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2007: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2008: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2009: Reported data calibrated to 1997 levels. Reported data excluded. 110 percent greater than 100 percent. Reported data excluded. Unexplained increase from 99 percent to 110 percent with decrease 96 percent. GoC=D+
- 2010: Reported data calibrated to 1997 levels. Estimates based on reported data. GoC=D+
- 2011: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2012: Reported data calibrated to 1997 levels. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2013: 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. Estimate challenged by: D-

# Saint Kitts and Nevis - Pol3



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 96   | 98   | 95   | 99   | 98   | 99   | 97   | 94   | 90   | 98   | 97   | 96   |
| Estimate GoC   | ●    | ●●   | ●    | ●    | ●    | ●    | ●    | ●●   | ●●   | ●    | ●    | ●    |
| Official       | 97   | 99   | 96   | 100  | 99   | 100  | 98   | 111  | 91   | 99   | 103  | 97   |
| Administrative | 97   | NA   | 96   | 106  | 99   | 100  | 99   | 111  | 91   | 99   | 103  | 97   |
| 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.

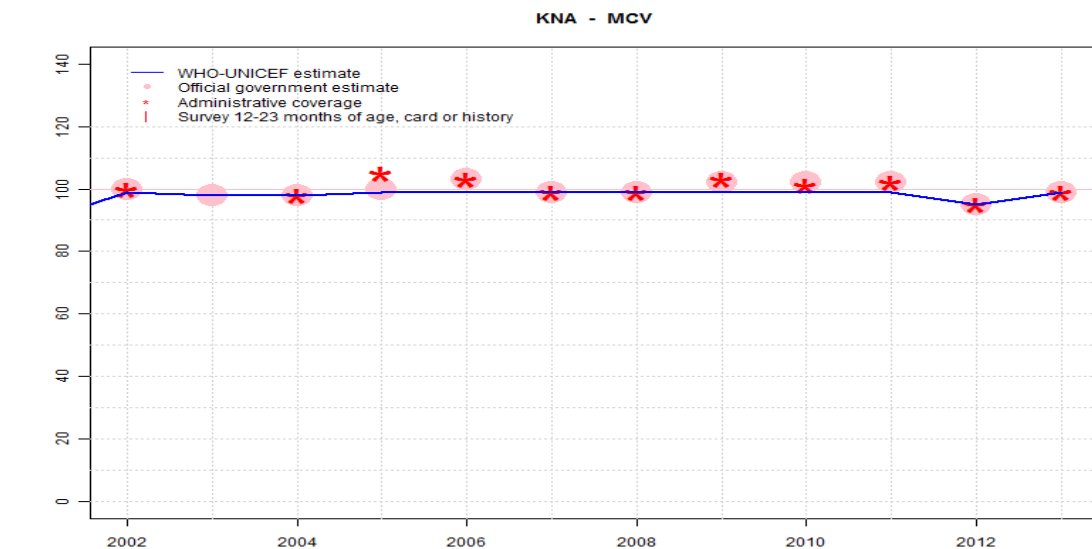
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Reported data calibrated to 1997 levels. GoC=No accepted empirical data
- 2003: Reported data calibrated to 1997 levels. GoC=D+
- 2004: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2005: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2006: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2007: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2008: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2009: Reported data calibrated to 1997 levels. Reported data excluded. 111 percent greater than 100 percent. Reported data excluded. Unexplained increase from 98 percent to 111 percent with decrease 91 percent. GoC=D+
- 2010: Reported data calibrated to 1997 levels. Estimates based on reported data. GoC=D+
- 2011: Reported data calibrated to 1997 levels. Estimate challenged by: D-
- 2012: Reported data calibrated to 1997 levels. Reported data excluded. 103 percent greater than 100 percent. Estimate of 97 percent changed from previous revision value of 98 percent. Estimate challenged by: D-
- 2013: 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. Estimate challenged by: D-

# Saint Kitts and Nevis - MCV



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 99   | 98   | 98   | 99   | 99   | 99   | 99   | 99   | 99   | 99   | 95   | 99   |
| Estimate GoC   | ●●   | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    |
| Official       | 100  | 98   | 98   | 100  | 103  | 99   | 99   | 102  | 102  | 102  | 95   | 99   |
| Administrative | 100  | NA   | 98   | 105  | 103  | 99   | 99   | 103  | 101  | 102  | 95   | 99   |
| 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.

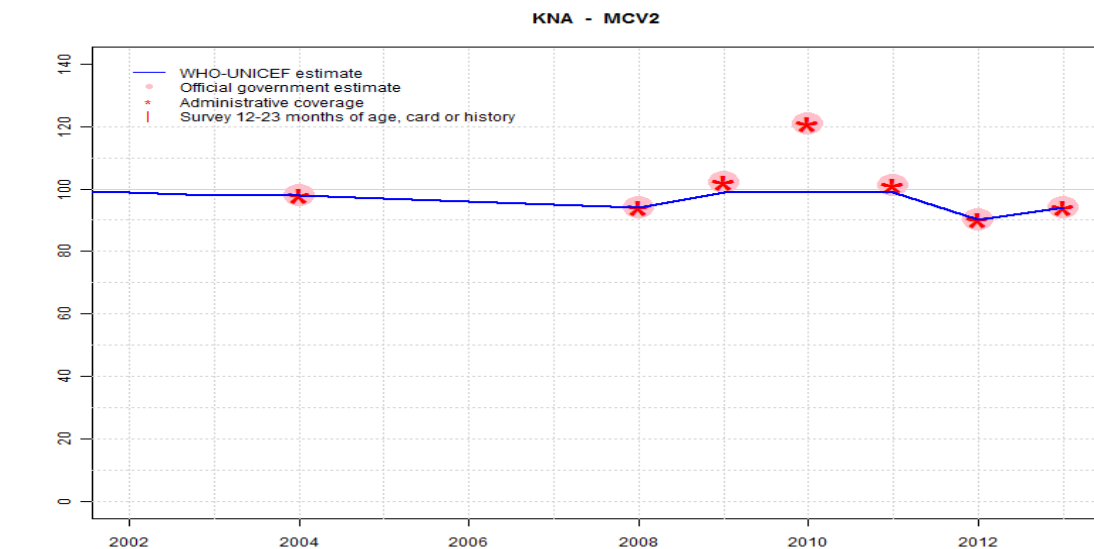
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government. GoC=R+
- 2003: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on interpolation between data reported by national government. Reported data excluded. 103 percent greater than 100 percent. Estimate challenged by: 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 interpolation between data reported by national government. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimates based on reported data. Estimate challenged by: D-
- 2011: Estimate based on interpolation between data reported by national government. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2013: 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 survey to confirm reported levels of coverage. Estimate challenged by: D-

# Saint Kitts and Nevis - MCV2



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 99   | 98   | 98   | 97   | 96   | 95   | 94   | 99   | 99   | 99   | 90   | 94   |
| Estimate GoC   | •    | •    | •    | ••   | ••   | ••   | •    | •    | •    | •    | ••   | •    |
| Official       | NA   | NA   | 98   | NA   | NA   | NA   | 94   | 102  | 121  | 101  | 90   | 94   |
| Administrative | NA   | NA   | 98   | NA   | NA   | NA   | 94   | 102  | 121  | 101  | 90   | 94   |
| 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: 2012 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.

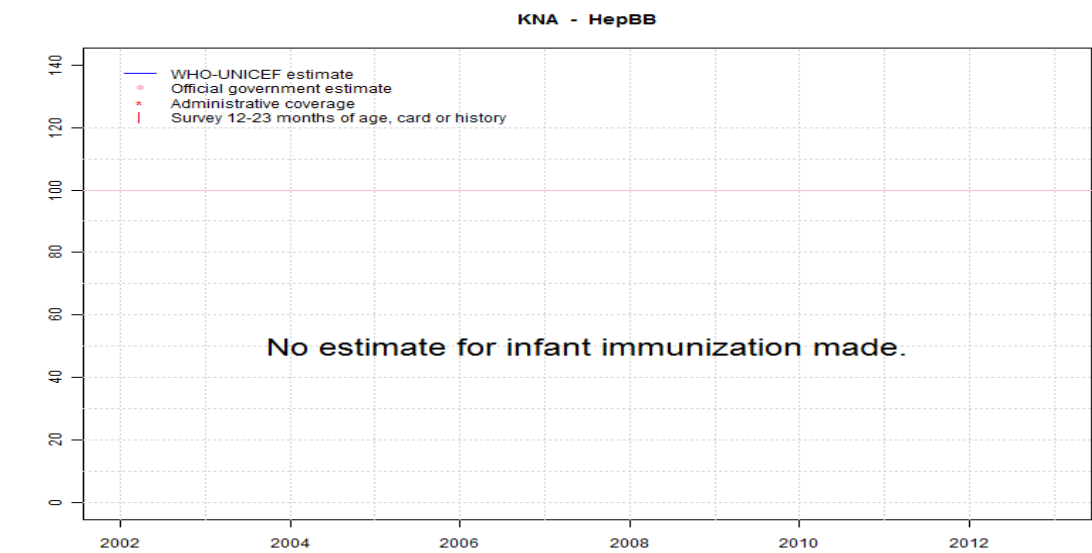
## Description:

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

- 2002: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2003: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on interpolation between reported values. GoC=D+
- 2006: Estimate based on interpolation between reported values. GoC=D+
- 2007: Estimate based on interpolation between reported values. GoC=D+
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on interpolation between reported values. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2010: Estimate based on coverage reported by national government. Estimates based on reported data. Estimate challenged by: D-
- 2011: Estimate based on interpolation between reported values. Reported data excluded. 101 percent greater than 100 percent. Estimate challenged by: D-
- 2012: Estimate based on coverage reported by national government. GoC=R+D+
- 2013: 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 survey to confirm reported levels of coverage. Estimate challenged by: D-



# Saint Kitts and Nevis - HepBB



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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   |

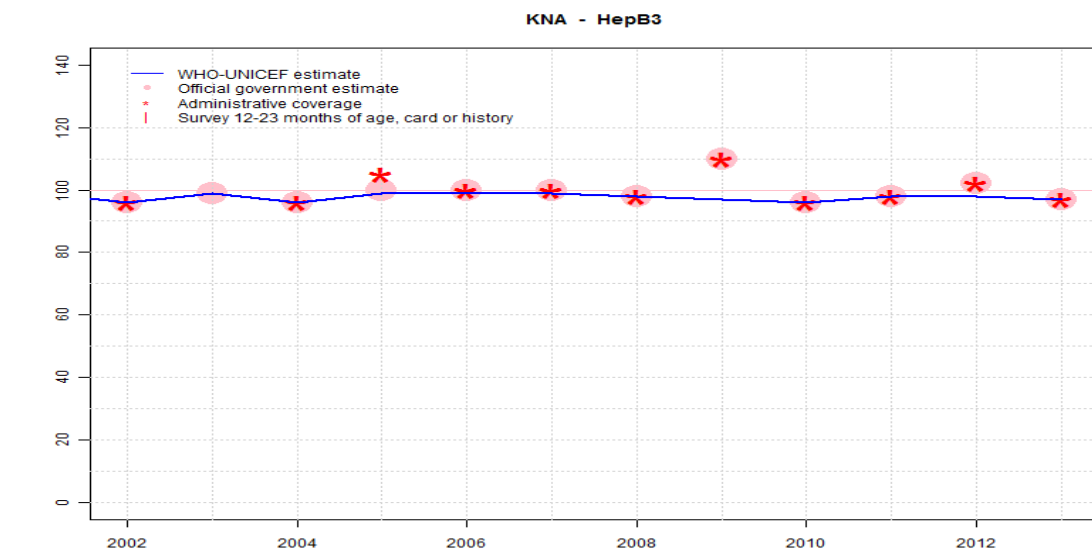
The WHO and UNICEF estimates of national immunization coverage (wuenic) are based on data and information that are of varying, and, in some instances, unknown quality. Beginning with the 2011 revision we describe the grade of confidence (GoC) we have in these estimates. As there is no underlying probability 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: 2012 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.



# Saint Kitts and Nevis - HepB3



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 96   | 99   | 96   | 99   | 99   | 99   | 98   | 97   | 96   | 98   | 98   | 97   |
| Estimate GoC   | ●●   | ●●   | ●    | ●    | ●    | ●    | ●    | ●●   | ●    | ●    | ●    | ●    |
| Official       | 96   | 99   | 96   | 100  | 100  | 100  | 98   | 110  | 96   | 98   | 102  | 97   |
| Administrative | 96   | NA   | 96   | 105  | 100  | 100  | 98   | 110  | 96   | 98   | 102  | 97   |
| 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.

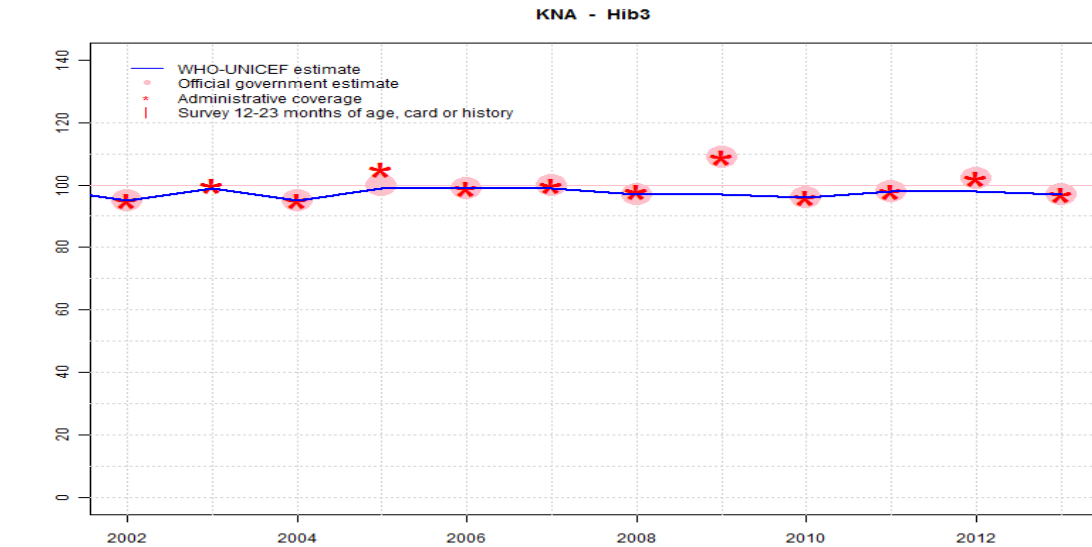
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government. GoC=R+
- 2003: Estimate based on coverage reported by national government. GoC=R+D+
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2006: 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-
- 2008: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on interpolation between reported values. Reported data excluded. 110 percent greater than 100 percent. Reported data excluded. Unexplained increase from 98 percent to 110 percent with decrease 96 percent. GoC=D+
- 2010: Estimate based on coverage reported by national government. Estimates based on reported data. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on interpolation between reported values. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2013: 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 survey to confirm reported levels of coverage. Estimate challenged by: D-

# Saint Kitts and Nevis - Hib3



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | 95   | 99   | 95   | 99   | 99   | 99   | 97   | 97   | 96   | 98   | 98   | 97   |
| Estimate GoC   | ••   | ••   | •    | •    | •    | ••   | •    | ••   | •    | •    | •    | •    |
| Official       | 95   | NA   | 95   | 100  | 99   | 100  | 97   | 109  | 96   | 98   | 102  | 97   |
| Administrative | 95   | 100  | 95   | 105  | 99   | 100  | 98   | 109  | 96   | 98   | 102  | 97   |
| 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.

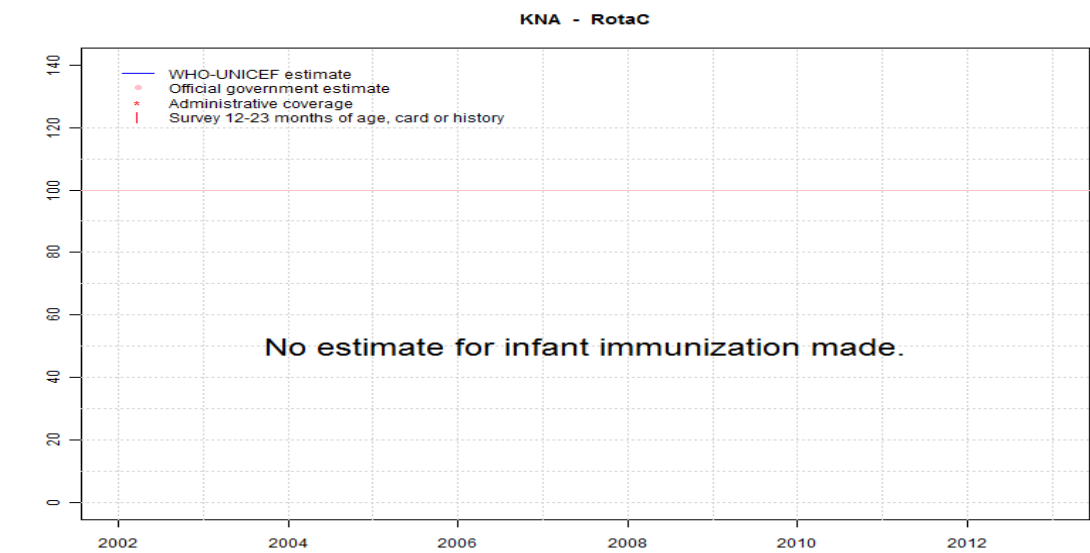
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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:

- 2002: Estimate based on coverage reported by national government. GoC=R+
- 2003: Estimate based on reported administrative estimate. GoC=R+ D+
- 2004: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2005: Estimate based on coverage reported by national government. Estimate challenged by: 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 coverage reported by national government. Estimate challenged by: D-
- 2009: Estimate based on interpolation between reported values. Reported data excluded. 109 percent greater than 100 percent. Reported data excluded. Unexplained increase from 97 percent to 109 percent with decrease 96 percent. GoC=D+
- 2010: Estimate based on coverage reported by national government. Estimates based on reported data. Estimate challenged by: D-
- 2011: Estimate based on coverage reported by national government. Estimate challenged by: D-
- 2012: Estimate based on interpolation between reported values. Reported data excluded. 102 percent greater than 100 percent. Estimate challenged by: D-
- 2013: 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 survey to confirm reported levels of coverage. Estimate challenged by: D-

# Saint Kitts and Nevis - RotaC



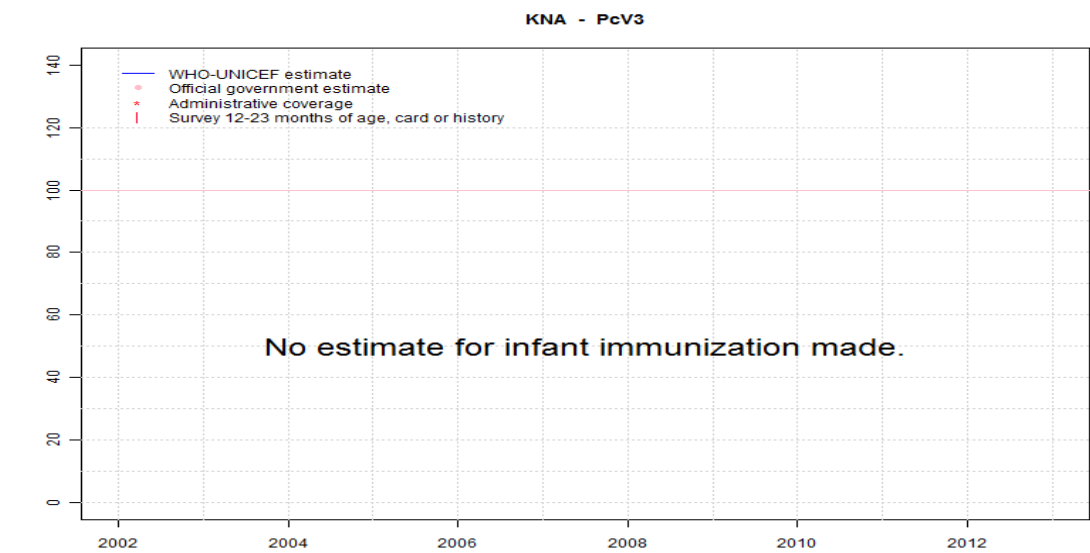
|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate       | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | NA   | 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: 2012 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.

# Saint Kitts and Nevis - PcV3



|                | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 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: 2012 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.

Further information and estimates prior to 2002 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)