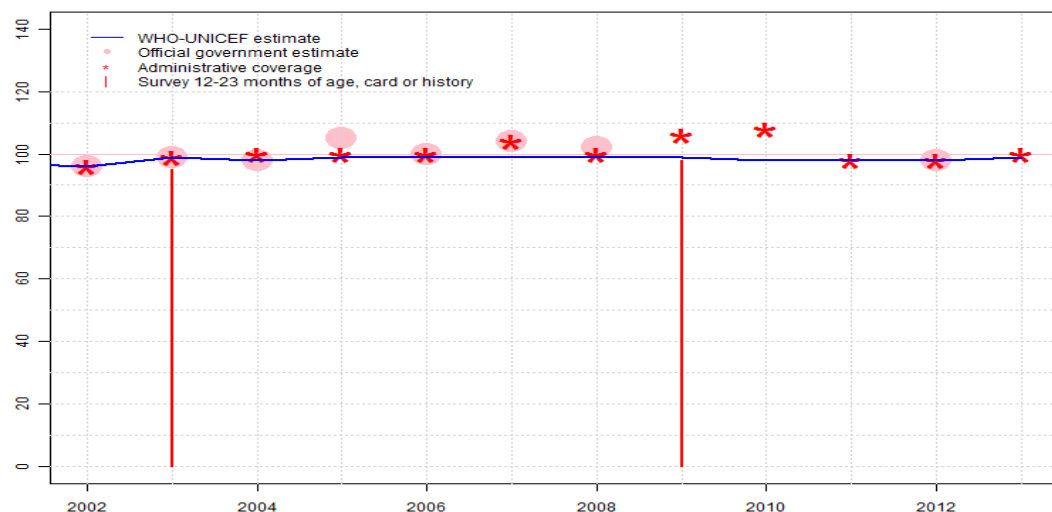


State of Palestine - BCG

PSE - BCG



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 96 | 99 | 98 | 99 | 99 | 99 | 99 | 99 | 98 | 98 | 98 | 99 |
| Estimate GoC | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●●● | ●● | ●● |
| Official | 96 | 99 | 98 | 105 | 100 | 104 | 102 | NA | NA | NA | 98 | NA |
| Administrative | 96 | 99 | 100 | 100 | 100 | 104 | 100 | 106 | 108 | 98 | 98 | 100 |
| Survey | NA | 95 | NA | NA | NA | NA | NA | 98 | 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.

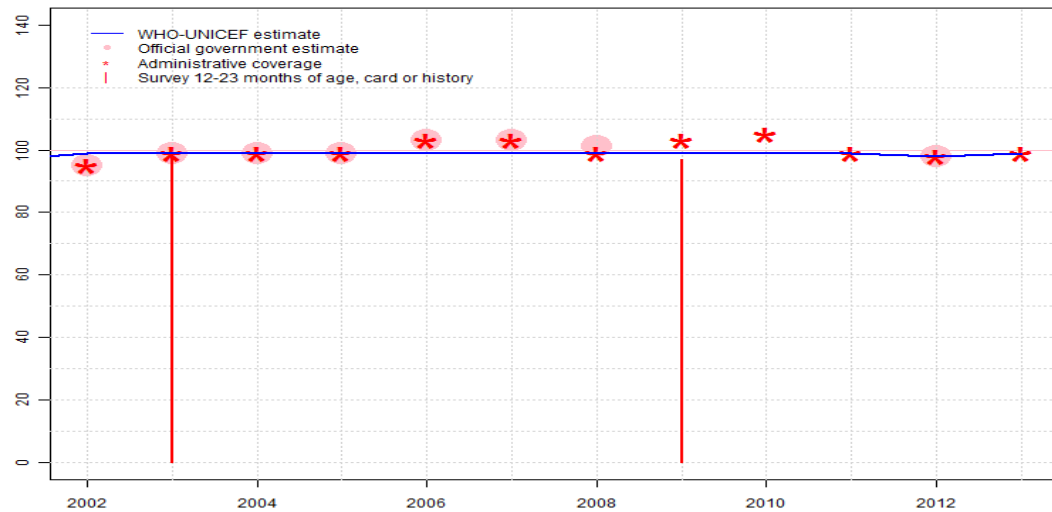
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+ S+
 2003: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+
 2004: Estimate based on coverage reported by national government. GoC=R+ S+
 2005: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 105 percent greater than 100 percent. GoC=S+
 2006: Estimate based on coverage reported by national government. GoC=R+
 2007: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 104 percent greater than 100 percent. GoC=S+
 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 102 percent greater than 100 percent. GoC=S+
 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). Reported data excluded. 106 percent greater than 100 percent. GoC=S+
 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 108 percent greater than 100 percent. GoC=S+ D+
 2011: Estimate based on reported administrative data. GoC=R+ S+ D+
 2012: Estimate based on coverage reported by national government. GoC=R+ D+
 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - DTP1

PSE - DTP1



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 98 | 99 |
| Estimate GoC | • | •• | •• | •• | • | • | •• | •• | •• | • | •• | •• |
| Official | 95 | 99 | 99 | 99 | 103 | 103 | 101 | NA | NA | NA | 98 | NA |
| Administrative | 95 | 99 | 99 | 99 | 103 | 103 | 99 | 103 | 105 | 99 | 98 | 99 |
| Survey | NA | 98 | NA | NA | NA | NA | NA | 97 | 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.

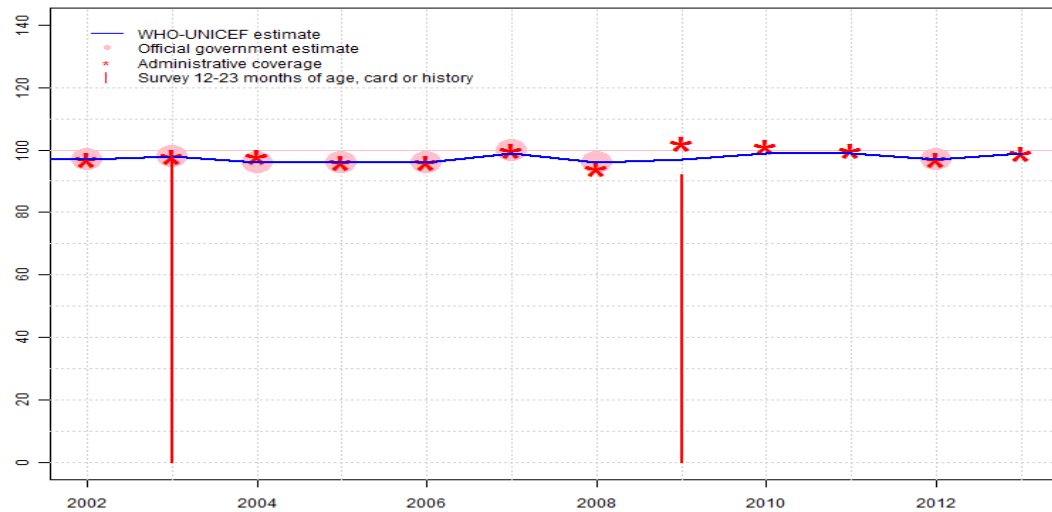
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: DTP1 coverage estimated based on DTP3 coverage of 97. Estimate challenged by: R-
- 2003: Estimate based on coverage reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). GoC=R+ S+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+
- 2006: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 103 percent greater than 100 percent. GoC=No accepted empirical data
- 2007: DTP1 coverage estimated based on DTP3 coverage of 100. Reported data excluded. 103 percent greater than 100 percent. Estimate challenged by: R-
- 2008: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+
- 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 97 percent based on 1 survey(s). Reported data excluded. 103 percent greater than 100 percent. GoC=S+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 105 percent greater than 100 percent. GoC=S+ D+
- 2011: DTP1 coverage estimated based on DTP3 coverage of 100. Estimate challenged by: R-
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - DTP3

PSE - DTP3



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 97 | 98 | 96 | 96 | 96 | 99 | 96 | 97 | 99 | 99 | 97 | 99 |
| Estimate GoC | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●●● | ●● | ●● |
| Official | 97 | 98 | 96 | 96 | 96 | 100 | 96 | NA | NA | NA | 97 | NA |
| Administrative | 97 | 98 | 98 | 96 | 96 | 100 | 94 | 102 | 101 | 100 | 97 | 99 |
| Survey | NA | 98 | NA | NA | NA | NA | NA | 92 | 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.

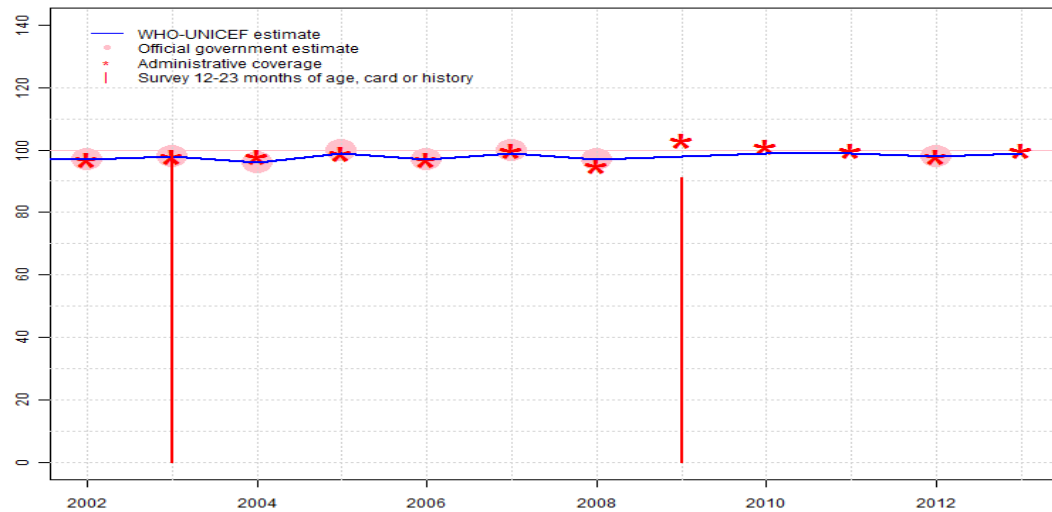
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+ S+
- 2003: Estimate based on coverage reported by national government supported by survey. Survey evidence of 98 percent based on 1 survey(s). GoC=R+ S+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+
- 2006: Estimate based on coverage reported by national government. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+ S+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+
- 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). Palestinian Family Survey 2010 card or history results of 92 percent modified for recall bias to 95 percent based on 1st dose card or history coverage of 97 percent, 1st dose card only coverage of 80 percent and 3d dose card only coverage of 78 percent. Reported data excluded. 102 percent greater than 100 percent. GoC=S+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - Pol3

PSE - Pol3



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 97 | 98 | 96 | 99 | 97 | 99 | 97 | 98 | 99 | 99 | 98 | 99 |
| Estimate GoC | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●● | ●●● | ●● | ●● |
| Official | 97 | 98 | 96 | 100 | 97 | 100 | 97 | NA | NA | NA | 98 | NA |
| Administrative | 97 | 98 | 98 | 99 | 97 | 100 | 95 | 103 | 101 | 100 | 98 | 100 |
| Survey | NA | 100 | NA | NA | NA | NA | NA | 91 | 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.

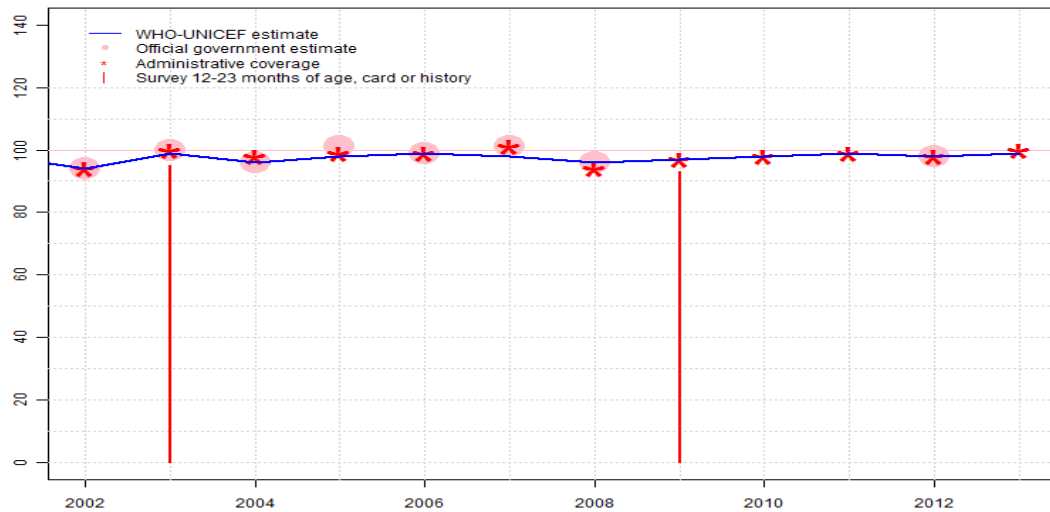
In all cases these estimates should be used with caution and should be assessed in light of the objective for which they are being used.

Description:

- 2002: Estimate based on coverage reported by national government. GoC=R+ S+
- 2003: Estimate based on coverage reported by national government supported by survey. Survey evidence of 100 percent based on 1 survey(s). GoC=R+ S+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+
- 2005: Estimate based on coverage reported by national government. GoC=R+ S+
- 2006: Estimate based on coverage reported by national government. GoC=R+
- 2007: Estimate based on coverage reported by national government. GoC=R+ S+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+
- 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). Palestinian Family Survey 2010 card or history results of 91 percent modified for recall bias to 96 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 81 percent and 3d dose card only coverage of 79 percent. Reported data excluded. 103 percent greater than 100 percent. GoC=S+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+ D+
- 2011: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - MCV

PSE - MCV



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 94 | 99 | 96 | 98 | 99 | 98 | 96 | 97 | 98 | 99 | 98 | 99 |
| Estimate GoC | •• | •• | •• | •• | •• | •• | •• | •• | ••• | ••• | •• | •• |
| Official | 94 | 100 | 96 | 101 | 99 | 101 | 96 | NA | NA | NA | 98 | NA |
| Administrative | 94 | 100 | 98 | 99 | 99 | 101 | 94 | 97 | 98 | 99 | 98 | 100 |
| Survey | NA | 95 | NA | NA | NA | NA | NA | 93 | 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.

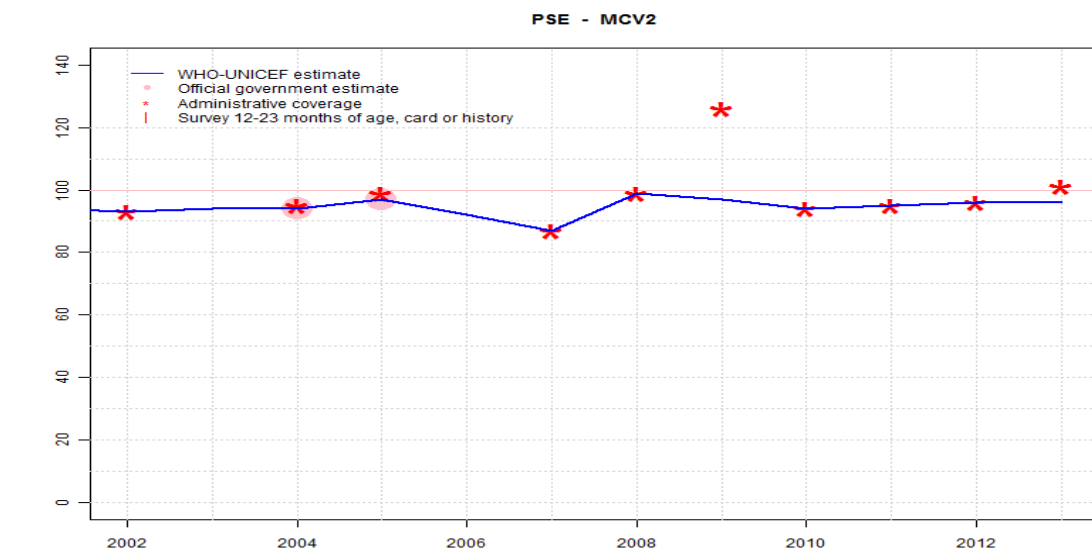
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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+ S+
- 2003: Estimate based on coverage reported by national government supported by survey. Survey evidence of 95 percent based on 1 survey(s). GoC=R+ S+
- 2004: Estimate based on coverage reported by national government. GoC=R+ S+
- 2005: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+
- 2006: Estimate based on coverage reported by national government. GoC=R+
- 2007: Estimate based on interpolation between coverage reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=S+
- 2008: Estimate based on coverage reported by national government. GoC=R+ S+
- 2009: Estimate based on administrative data reported by national government supported by survey. Survey evidence of 93 percent based on 1 survey(s). GoC=R+ S+
- 2010: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2011: Estimate based on reported administrative data. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - MCV2



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 93 | 94 | 94 | 97 | 92 | 87 | 99 | 97 | 94 | 95 | 96 | 96 |
| Estimate GoC | ● | ● | ● | ● | ● | ●● | ●● | ● | ●● | ●● | ●● | ● |
| Official | NA | NA | 94 | 97 | NA | NA | NA | NA | NA | NA | NA | NA |
| Administrative | 93 | NA | 95 | 99 | NA | 87 | 99 | 126 | 94 | 95 | 96 | 101 |
| 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 reported administrative estimate. Estimate challenged by: D-

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 coverage reported by national government. Estimate challenged by: D-

2006: Estimate based on interpolation between reported values. GoC=No accepted empirical data

2007: Estimate based on reported administrative estimate. GoC=R+ D+

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

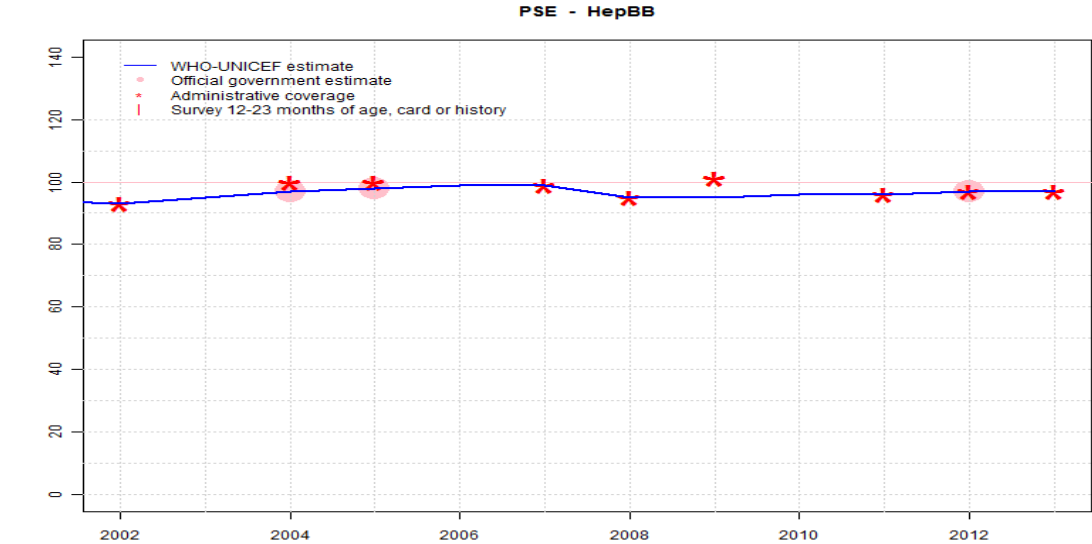
2009: Estimate based on interpolation between reported values. Reported data excluded. 126 percent greater than 100 percent. Reported data excluded. Unexplained increase from 99 percent to 126 percent with decrease 94 percent. Estimate challenged by: D-

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+

2013: Estimate based on extrapolation from data reported by national government. Reported data excluded. 101 percent greater than 100 percent. GoC=No accepted empirical data



| | | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Estimate | 93 | 95 | 97 | 98 | 99 | 99 | 95 | 95 | 96 | 96 | 97 | 97 |
| Estimate GoC | ● | ● | ● | ● | ● | ● | ●● | ●● | ● | ●● | ●● | ●● |
| Official | NA | NA | 97 | 98 | NA | NA | NA | NA | NA | NA | 97 | NA |
| Administrative | 93 | NA | 100 | 100 | NA | 99 | 95 | 101 | NA | 96 | 97 | 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.

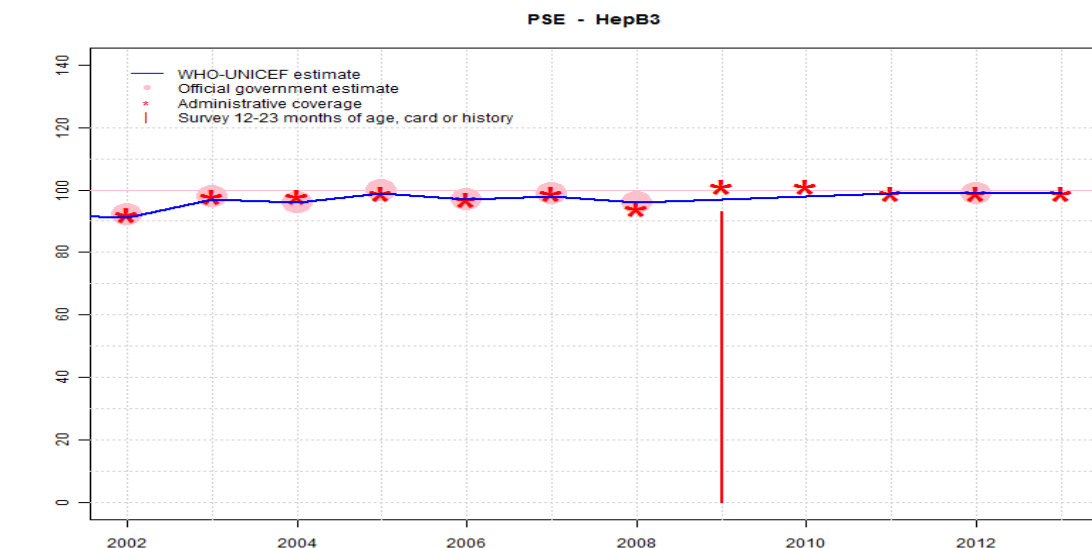
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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 reported administrative estimate. Estimate challenged by: D-
- 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 coverage reported by national government. Estimate challenged by: D-
- 2006: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 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 interpolation between reported values. Reported data excluded. 101 percent greater than 100 percent. GoC=D+
- 2010: Estimate based on interpolation between reported values. GoC=No accepted empirical data
- 2011: Estimate based on reported administrative estimate. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative estimate. GoC=R+

State of Palestine - HepB3



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | 91 | 97 | 96 | 99 | 97 | 98 | 96 | 97 | 98 | 99 | 99 | 99 |
| Estimate GoC | • | • | • | • | • | •• | •• | •• | •• | ••• | •• | •• |
| Official | 92 | 98 | 96 | 100 | 97 | 99 | 96 | NA | NA | NA | 99 | NA |
| Administrative | 92 | 98 | 98 | 99 | 97 | 99 | 94 | 101 | 101 | 99 | 99 | 99 |
| Survey | NA | NA | NA | NA | NA | NA | NA | 93 | 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.

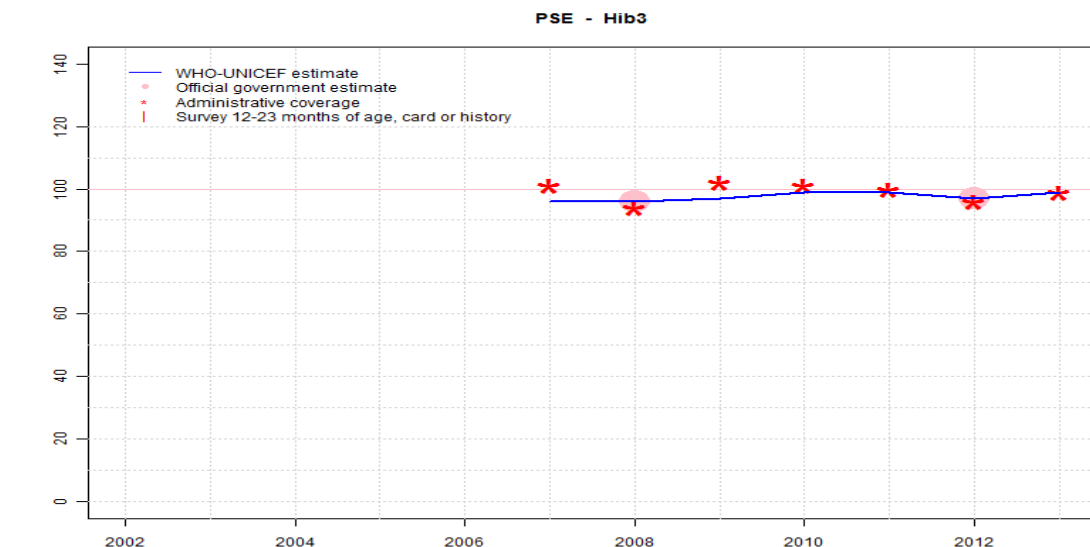
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk 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 and 2009 levels. GoC=No accepted empirical data
- 2003: Reported data calibrated to 1997 and 2009 levels. GoC=No accepted empirical data
- 2004: Reported data calibrated to 1997 and 2009 levels. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=No accepted empirical data
- 2005: Reported data calibrated to 1997 and 2009 levels. GoC=No accepted empirical data
- 2006: Reported data calibrated to 1997 and 2009 levels. Estimate of 97 percent changed from previous revision value of 96 percent. GoC=No accepted empirical data
- 2007: Reported data calibrated to 1997 and 2009 levels. GoC=S+
- 2008: Reported data calibrated to 1997 and 2009 levels. Estimate of 96 percent changed from previous revision value of 95 percent. GoC=S+
- 2009: Estimate based on interpolation between data reported by national government supported by survey. Survey evidence of 96 percent based on 1 survey(s). Palestinian Family Survey 2010 card or history results of 93 percent modified for recall bias to 96 percent based on 1st dose card or history coverage of 98 percent, 1st dose card only coverage of 82 percent and 3d dose card only coverage of 80 percent. Reported data excluded. 101 percent greater than 100 percent. Estimate of 97 percent changed from previous revision value of 96 percent. GoC=S+
- 2010: Estimate based on interpolation between data reported by national government. Reported data excluded. 101 percent greater than 100 percent. Estimate of 98 percent changed from previous revision value of 97 percent. GoC=S+ D+
- 2011: Estimate based on reported administrative data. Estimate of 99 percent changed from previous revision value of 98 percent. GoC=R+ S+ D+
- 2012: Estimate based on coverage reported by national government. Estimate of 99 percent changed from previous revision value of 98 percent. GoC=R+ D+
- 2013: Estimate based on reported administrative data. GoC=R+

State of Palestine - Hib3



| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | NA | NA | NA | NA | NA | 96 | 96 | 97 | 99 | 99 | 97 | 99 |
| Estimate GoC | NA | NA | NA | NA | NA | • | •• | • | •• | •• | •• | •• |
| Official | NA | NA | NA | NA | NA | NA | 96 | NA | NA | NA | 97 | NA |
| Administrative | NA | NA | NA | NA | NA | 101 | 94 | 102 | 101 | 100 | 96 | 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.

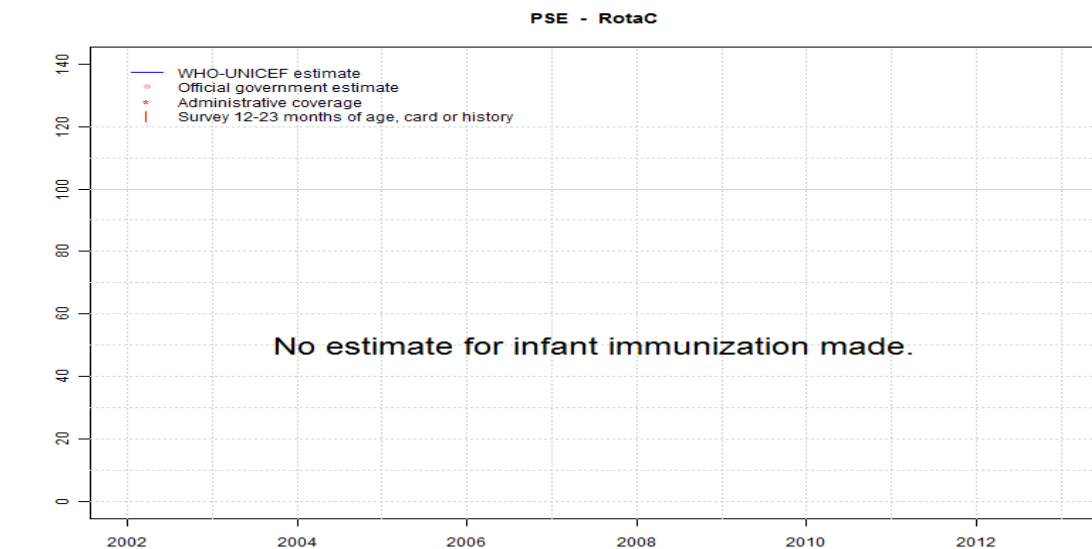
- Estimate is supported by reported data [R+], coverage recalculated with an independent denominator from the World Population Prospects: 2012 revision from the UN Population Division (D+), and at least one supporting survey within 2 years [S+]. While well supported, the estimate still carries a risk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

- 2007: Estimate based on extrapolation from data reported by national government. Reported data excluded. 101 percent greater than 100 percent. Hib vaccine introduced in 2007. Vaccine presentation is DTP-Hib. GoC=No accepted empirical data
- 2008: Estimate based on coverage reported by national government. GoC=R+
- 2009: Estimate based on interpolation between reported values. Reported data excluded. 102 percent greater than 100 percent. GoC=No accepted empirical data
- 2010: Estimate based on interpolation between reported values. Reported data excluded. 101 percent greater than 100 percent. GoC=D+
- 2011: Estimate based on reported administrative estimate. GoC=R+ D+
- 2012: Estimate based on coverage reported by national government. GoC=R+ D+
- 2013: Estimate based on reported administrative estimate. GoC=R+

State of Palestine - RotaC



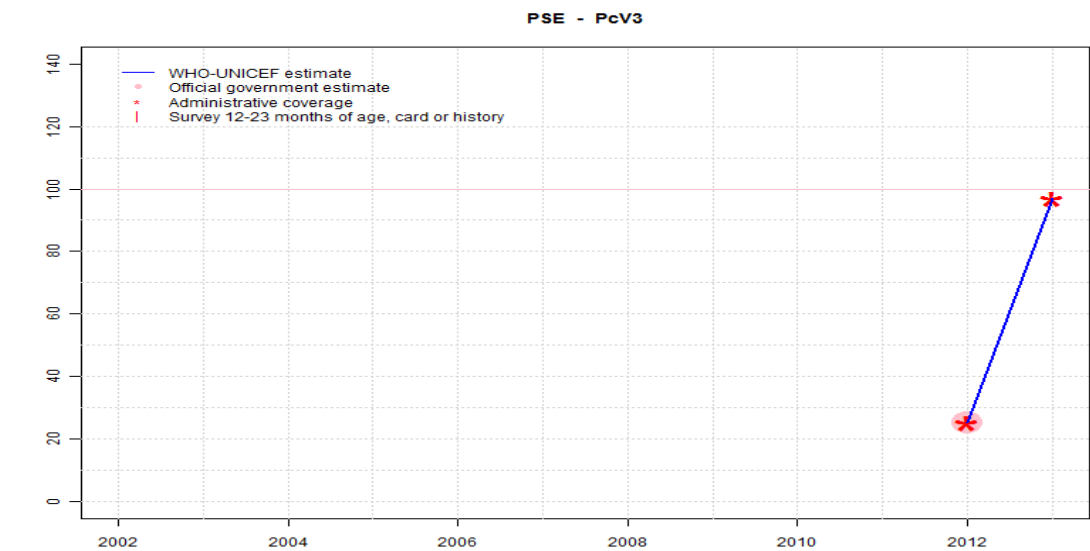
| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| Estimate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| Estimate GoC | NA | NA | NA | NA |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

State of Palestine - PcV3



| | | | | | | | | | | | | |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 |
| Estimate | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 25 | 97 |
| Estimate GoC | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | ●● | ●● |
| Official | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 25 | NA |
| Administrative | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | 25 | 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:

2012: Estimate based on coverage reported by national government. Pneumococcal conjugate vaccine introduced in 2012. GoC=R+ D+

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

State of Palestine - survey details

2009 Palestinian Family Survey 2010

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | C or H <12 months | 98 | 12-23 m | 437 | 82 |
| BCG | Card | 81 | 12-23 m | - | 82 |
| BCG | Card or History | 98 | 12-23 m | 2107 | 82 |
| BCG | History | 17 | 12-23 m | - | 82 |
| DTP1 | C or H <12 months | 95 | 12-23 m | 437 | 82 |
| DTP1 | Card | 80 | 12-23 m | - | 82 |
| DTP1 | Card or History | 97 | 12-23 m | 2107 | 82 |
| DTP1 | History | 17 | 12-23 m | - | 82 |
| DTP3 | C or H <12 months | 91 | 12-23 m | 437 | 82 |
| DTP3 | Card | 78 | 12-23 m | - | 82 |
| DTP3 | Card or History | 92 | 12-23 m | 2107 | 82 |
| DTP3 | History | 14 | 12-23 m | - | 82 |
| HepB1 | C or H <12 months | 98 | 12-23 m | 437 | 82 |
| HepB1 | Card | 82 | 12-23 m | - | 82 |
| HepB1 | Card or History | 98 | 12-23 m | 2107 | 82 |
| HepB1 | History | 16 | 12-23 m | - | 82 |
| HepB3 | C or H <12 months | 92 | 12-23 m | 437 | 82 |
| HepB3 | Card | 80 | 12-23 m | - | 82 |
| HepB3 | Card or History | 93 | 12-23 m | 2107 | 82 |
| HepB3 | History | 13 | 12-23 m | - | 82 |
| MCV | C or H <12 months | 88 | 12-23 m | 437 | 82 |
| MCV | Card | 78 | 12-23 m | - | 82 |
| MCV | Card or History | 93 | 12-23 m | 2107 | 82 |
| MCV | History | 15 | 12-23 m | - | 82 |
| Pol1 | C or H <12 months | 96 | 12-23 m | 437 | 82 |
| Pol1 | Card | 81 | 12-23 m | - | 82 |
| Pol1 | Card or History | 98 | 12-23 m | 2107 | 82 |
| Pol1 | History | 17 | 12-23 m | - | 82 |
| Pol3 | C or H <12 months | 90 | 12-23 m | 437 | 82 |
| Pol3 | Card | 79 | 12-23 m | - | 82 |
| Pol3 | Card or History | 91 | 12-23 m | 2107 | 82 |
| Pol3 | History | 12 | 12-23 m | - | 82 |

2005 Palestinian Family Health Survey 2006

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card | 99 | 12-23 m | 1894 | - |
| DTP3 | Card | 99 | 12-23 m | 1894 | - |
| MCV | Card | 97 | 12-23 m | 1894 | - |
| Pol3 | Card | 99 | 12-23 m | 1894 | - |

2003 Palestinian National Authority Demographic and Health Survey 2004

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card or history | 95 | 12-23 m | 4839 | 86 |
| DTP1 | Card or history | 98 | 12-23 m | 4839 | 86 |
| DTP3 | Card or history | 98 | 12-23 m | 4839 | 86 |
| MCV | Card or history | 95 | 12-23 m | 4839 | 86 |
| Pol1 | Card or history | 100 | 12-23 m | 4839 | 86 |
| Pol3 | Card or history | 100 | 12-23 m | 4839 | 86 |

1999 Palestine Health Survey 2000

| Vaccine | Confirmation method | Coverage | Age cohort | Sample | Cards seen |
|---------|---------------------|----------|------------|--------|------------|
| BCG | Card or History | 75 | 12-23 m | - | 87 |
| DTP1 | Card or History | 98 | 12-23 m | - | 87 |
| DTP3 | Card or History | 88 | 12-23 m | - | 87 |
| MCV | Card or History | 93 | 12-23 m | - | 87 |
| Pol1 | Card or History | 100 | 12-23 m | - | 87 |
| Pol3 | Card or History | 97 | 12-23 m | - | 87 |

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