Measles elimination status

2015 eliminated
2016 eliminated

Source: Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report (www.euro.who.int/6thRVC)

Rubella elimination status

2015 eliminated
2016 eliminated

Source: Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report (www.euro.who.int/6thRVC)

National plan of action

Does the country have a national plan of action?
ND

Is it updated?
ND

Source: Rubella Elimination Annual Status Update report, 2016
ND = Data not available

Demographic information, 2016

<table>
<thead>
<tr>
<th>Total population</th>
<th>9 821 318</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 1 year old</td>
<td>91 711</td>
</tr>
<tr>
<td>&lt; 5 years old</td>
<td>453 993</td>
</tr>
</tbody>
</table>


Measles and rubella immunization schedule, 2016

<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Schedule</th>
<th>Year of introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCV1</td>
<td>MMR</td>
<td>15 months</td>
</tr>
<tr>
<td>MCV2</td>
<td>MMR</td>
<td>11 years</td>
</tr>
</tbody>
</table>

Measles vaccination in school

Yes

MMR = measles-mumps-rubella-containing vaccine; MCV1 = first dose measles-containing vaccine; MCV2 = second dose measles-containing vaccine; RCV = rubella-containing vaccine

Definition used for an outbreak

At least two measles or rubella cases including cases with epidemiological links

Source: Measles and rubella elimination Annual Status Update report, 2016

Confirmed measles cases by month of onset, 2012–2016

Source: CISID2 2016

Source: Disease incidence and immunization coverage, WHO, Data and Statistics, Immunization Monitoring and Surveillance (http://www.who.int/immunization/monitoring_surveillance/data/en/)
MCV1 = first dose measles-containing vaccine
MCV2 = second dose measles-containing vaccine

Source: Measles and rubella elimination Annual Status Update report, 2016

Source: Measles and rubella elimination country profile Hungary

Source: Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report (www.euro.who.int/6thRVC)
Measles and rubella elimination country profile

Hungary

Measles incidence, epidemiologic and virologic characteristics, 2012-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>Suspected cases</th>
<th>Confirmed measles cases</th>
<th>Discarded measles cases</th>
<th>Measles incidence</th>
<th>Genotypes detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>ND 2</td>
<td>0 0 2</td>
<td>ND 0</td>
<td>D4</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>6 1</td>
<td>0 0 1</td>
<td>5 0</td>
<td>D4</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>0 0 0</td>
<td>0 0 0</td>
<td>0 0</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>2 0 0</td>
<td>0 0 0</td>
<td>3 0</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>1 0 0</td>
<td>0 0 0</td>
<td>1 0</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

Source: Measles and rubella elimination Annual Status Update report, 2012-2016
Incidence calculated per 1 million population
ND = Data not available; NA= Not applicable

Rubella incidence, epidemiologic and virologic characteristics, 2012-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>Suspected rubella cases</th>
<th>Confirmed measles cases</th>
<th>Discarded non-rubella rate</th>
<th>Rubella incidence</th>
<th>Genotypes detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>ND 7</td>
<td>0 0 7</td>
<td>ND 6</td>
<td>ND</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>11 0</td>
<td>0 0 11</td>
<td>11 0</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>5 0 0</td>
<td>0 0 5</td>
<td>5 0</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>3 0 0</td>
<td>0 0 3</td>
<td>3 0</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>2016</td>
<td>10 0 0</td>
<td>0 0 10</td>
<td>10 0</td>
<td>NA</td>
<td></td>
</tr>
</tbody>
</table>

Source: Measles and rubella elimination Annual Status Update report, 2012-2016
Incidence calculated per 1 million population
ND = Data not available; NA= Not applicable

RVC comments, based on 2016 reporting

The Regional Verification Commission for Measles and Rubella Elimination (RVC) concluded that endemic transmission of both measles and rubella remained interrupted in Hungary in 2016, and confirmed that measles and rubella elimination has been sustained. The RVC commends Hungary for sustaining a very high level of population immunity. It urges the National Verification Committee (NVC) and national health authorities to strengthen measles and rubella surveillance to the level considered adequate (with a rate of measles and rubella discarded cases ≥2/100 000) and to improve the way in which surveillance performance is presented in the ASU in order to facilitate better documentation of the elimination status.

Source: Regional Verification Commission for Measles and Rubella Elimination (RVC) meeting report (www.euro.who.int/6thRVC)

Surveillance performance indicators and targets

a. Rate of discarded cases: at least 2 discarded measles or rubella cases per 100 000 population
b. % cases with adequate laboratory investigation: ≥ 80%
c. % origin of infection known: ≥ 80%
d. Rate of viral detection: ≥ 80%

Information on CRS, 2016

No cases reported

Source: Measles and rubella elimination Annual Status Update report, 2016
CRS = congenital rubella syndrome