Measles and rubella elimination country profile
Czech Republic

Measles elimination status

2015 eliminated
2016 eliminated

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

Rubella elimination status

2015 eliminated
2016 eliminated

Source: European 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: Measles and rubella elimination Annual Status Update report, 2016
ND= Data not available

Demographic information, 2016

<table>
<thead>
<tr>
<th>Total population</th>
<th>&lt; 1 year old</th>
<th>&lt; 5 years old</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 548 058</td>
<td>106 751</td>
<td>517 000</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>21 months</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Schedule</th>
<th>Year of introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCV2</td>
<td>MMR</td>
<td>1975</td>
</tr>
<tr>
<td>RCV</td>
<td></td>
<td>1982</td>
</tr>
</tbody>
</table>

Measles vaccination in school
No

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

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

Measles and rubella cases and immunization coverage, 2007–2016


<table>
<thead>
<tr>
<th>Vaccine</th>
<th>Year of introduction</th>
</tr>
</thead>
<tbody>
<tr>
<td>MCV1</td>
<td>1975</td>
</tr>
<tr>
<td>MCV2</td>
<td>1982</td>
</tr>
</tbody>
</table>

Confirmed measles cases by month of onset, 2012-2016

Source: CSD2 2016
Measles and rubella elimination country profile
Czech Republic

Measles cases by first subnational level, 2016

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

Measles genotypes by first subnational level, 2016

Source: MeaNS 2016
(Note: no subnational genotype information available)

Note: The dots in the maps are placed randomly within the administrative regions.
Map disclaimer: The boundaries and names shown and the designations used on the maps do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries. Dotted and dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Measles cases by age group and vaccination status, 2016

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

Sources of infection, 2016

<table>
<thead>
<tr>
<th></th>
<th>Measles</th>
<th>Rubella</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imported</td>
<td>5</td>
<td>0</td>
</tr>
<tr>
<td>Import-related</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Unknown/ Not reported</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Endemic</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

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

Information on CRS, 2016

No cases reported

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

CRS = congenital rubella syndrome
The Regional Verification Commission for Measles and Rubella Elimination (RVC) concluded that endemic transmission of both measles and rubella remained interrupted in the Czech Republic in 2016 and confirmed that measles and rubella elimination has been sustained. The RVC commends the National Verification Committee (NVC), national health authorities and public health system on this achievement, but emphasizes to the NVC the need for more comprehensive data in the ASU, especially in regards to surveillance performance. The RVC also urges both the NVC and national health authorities to adjust routine procedures, in line with WHO recommendations and guidelines, to enable adequate surveillance and to improve the collection and submission in the ASU of immunization coverage data. The RVC is concerned that, based on the limited data currently available in the ASU, surveillance performance appears to be suboptimal and it is not possible to assess routine immunization coverage in 2016.

**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%