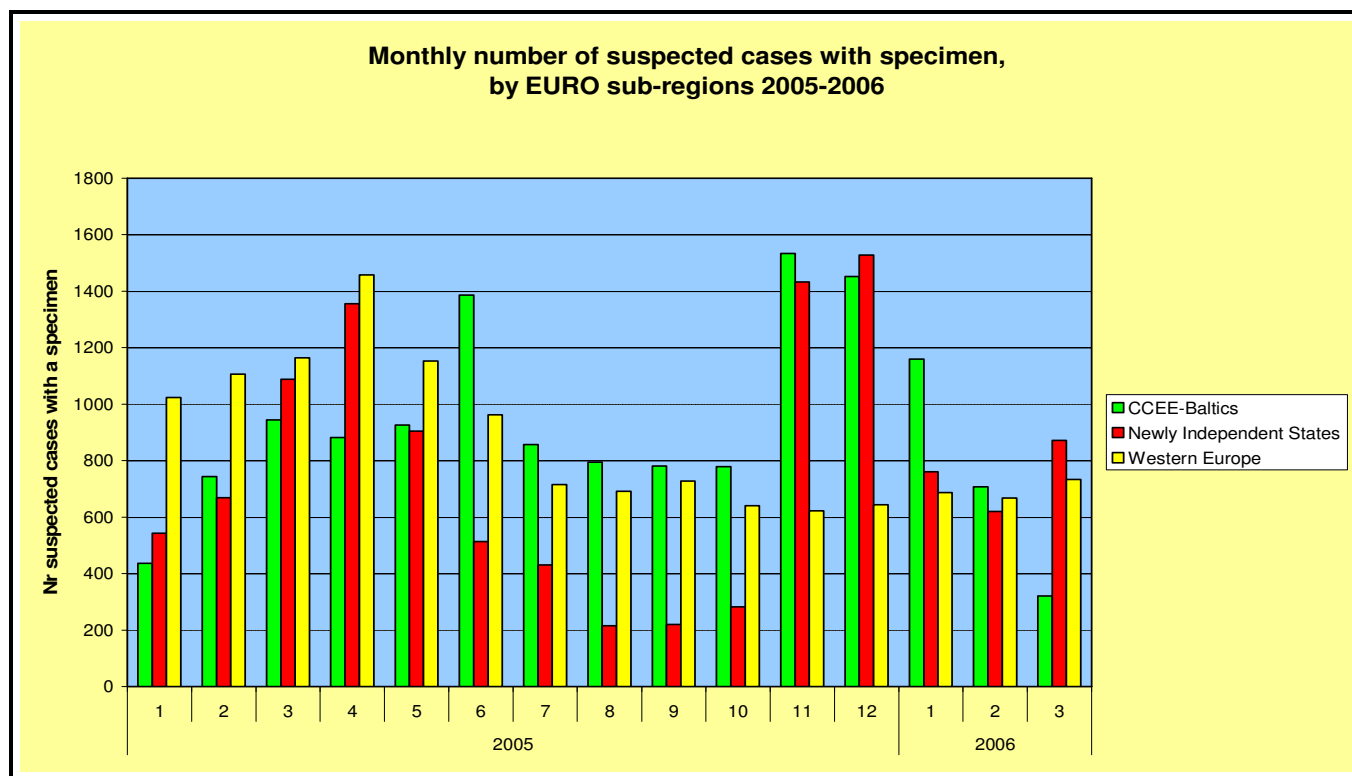




# MEASLES LABORATORY DATA:

## Laboratory surveillance of measles and rubella in the European region



## Regional and sub regional laboratory indicators for measles and rubella in 2006

Table 1

| Area Groups              | Year | % subnational laboratories reporting* | Nr of suspected cases with a specimen | Nr of specimens received | % Serum specimen |
|--------------------------|------|---------------------------------------|---------------------------------------|--------------------------|------------------|
| Measles CCEE-Baltics     | 2006 | 60.8%                                 | 2233                                  | 2272                     | 99.2%            |
| Newly Independent States | 2006 | 100.0%                                | 2278                                  | 2821                     | 81.7%            |
| Western Europe           | 2006 | 8.5%                                  | 2143                                  | 2241                     | 95.4%            |
| WHO European Region      | 2006 | 19.7%                                 | 6654                                  | 7334                     | 91.3%            |

\*Number of laboratories reporting divided by number of laboratories under surveillance in a given country as an indicator of the geographical coverage of reporting inside the country

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## Regional and sub regional laboratory indicators for measles and rubella in 2006

### Table 2

|                          |      | Measles  |   |   |                 |                      |       |                |           |                 |       |           |                 |       |           |                 |           |
|--------------------------|------|--|---|---|-----------------|----------------------|-------|----------------|-----------|-----------------|-------|-----------|-----------------|-------|-----------|-----------------|-----------|
| Area Groups              | Year | % specimen with 4 to 7 days between onset and collection | % specimen with <3 days between collection and reception at the lab | % specimen with 7 to 14 days between reception at the lab and results | IgM             |                      |       |                |           | RT-PCR          |       |           | Isolation       |       |           | Sequencing      |           |
|                          |      |  |   |   | Nr to be tested | % adequate specimens | % Pos | % inconclusive | % Pending | Nr to be tested | % Pos | % Pending | Nr to be tested | % Pos | % Pending | Nr to be tested | % Pending |
| Measles CCEE-Baltics     | 2006 | 22.5%  | 18.4%   | 31.5%   | 1885            | 100.0%               | 57.7% | 3.2%           | 0.2%      | 12              | 75.0% | 0.0%      | 7               | 14.3% | 57.1%     | 0               |           |
| Newly Independent States | 2006 | 56.9%  | 69.5%   | 12.2%   | 2093            | 100.0%               | 52.1% | 1.1%           | 0.0%      | 455             | 11.2% | 85.7%     | 357             | 18.9% | 74.6%     | 138             | 100.0%    |
| Western Europe           | 2006 | 49.4%  | 69.9%   | 3.5%  | 349             | 100.0%               | 16.9% | 0.3%           | 0.0%      | 103             | 48.5% | 2.9%      | 23              | 30.4% | 0.0%      | 22              | 0.0%      |
| WHO European Region      | 2006 | 42.3%  | 48.3%   | 19.9%   | 4327            | 100.0%               | 51.7% | 1.9%           | 0.1%      | 570             | 19.4% | 68.7%     | 387             | 19.5% | 69.7%     | 160             | 86.3%     |

### Table 3

|                          |      | Rubella  |   |   |                 |                      |       |                |           |                 |       |           |                 |       |           |                 |           |
|--------------------------|------|--|---|---|-----------------|----------------------|-------|----------------|-----------|-----------------|-------|-----------|-----------------|-------|-----------|-----------------|-----------|
| Area Groups              | Year | % specimen with 4 to 7 days between onset and collection | % specimen with <3 days between collection and reception at the lab | % specimen with 7 to 14 days between reception at the lab and results | IgM             |                      |       |                |           | RT-PCR          |       |           | Isolation       |       |           | Sequencing      |           |
|                          |      |  |   |   | Nr to be tested | % adequate specimens | % Pos | % inconclusive | % Pending | Nr to be tested | % Pos | % Pending | Nr to be tested | % Pos | % Pending | Nr to be tested | % Pending |
| Rubella CCEE-Baltics     | 2006 | 19.9%  | 66.7%   | 9.4%  | 752             | 100.0%               | 10.4% | 0.9%           | 0.3%      | 4               | 50.0% | 0.0%      | 6               | 0.0%  | 100.0%    | 0               |           |
| Newly Independent States | 2006 | 61.9%  | 72.3%   | 13.3%   | 1281            | 100.0%               | 41.1% | 1.3%           | 0.0%      | 0               |       |           | 0               |       |           | 0               |           |
| Western Europe           | 2006 | 89.1%  | 85.8%   | 1.5%  | 1769            | 100.0%               | 1.8%  | 0.0%           | 0.1%      | 93              | 0.0%  | 3.2%      | 0               |       |           | 0               |           |
| WHO European Region      | 2006 | 71.4%  | 78.3%   | 7.1%  | 3802            | 100.0%               | 16.8% | 0.6%           | 0.1%      | 97              | 2.1%  | 3.1%      | 6               | 0.0%  | 100.0%    | 0               |           |

- Blank cells reflect the fact that the field was not filled in by the laboratories

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## National laboratory indicators for measles and rubella in 2006

### Table 4

| Country               | Year | % subnational laboratories reporting* | Nr of suspected cases with a specimen | Nr of specimens received | % Serum specimen |
|-----------------------|------|---------------------------------------|---------------------------------------|--------------------------|------------------|
| Albania               | 2006 | 100.0%                                | 1                                     | 1                        | 100.0%           |
| Armenia               | 2006 | 100.0%                                | 21                                    | 21                       | 100.0%           |
| Austria               | 2006 | 100.0%                                | 1613                                  | 1613                     | 100.0%           |
| Azerbaijan            | 2006 | 100.0%                                | 36                                    | 37                       |                  |
| Belarus               | 2006 | 100.0%                                | 60                                    | 68                       | 88.2%            |
| Belgium               | 2006 | 0.4%                                  | 3                                     | 3                        | 100.0%           |
| Bulgaria              | 2006 | 100.0%                                | 91                                    | 91                       | 100.0%           |
| Cyprus                | 2006 | 90.9%                                 | 0                                     | 0                        |                  |
| Czech Republic        | 2006 | 35.7%                                 | 16                                    | 18                       | 100.0%           |
| Estonia               | 2006 | 100.0%                                | 195                                   | 205                      | 100.0%           |
| Finland               | 2006 | 100.0%                                | 174                                   | 177                      | 100.0%           |
| Georgia               | 2006 | 100.0%                                | 8                                     | 15                       | 100.0%           |
| Hungary               | 2006 | 100.0%                                | 7                                     | 8                        | 87.5%            |
| Israel                | 2006 | 100.0%                                | 188                                   | 196                      | 94.9%            |
| Kazakhstan            | 2006 | 100.0%                                | 124                                   | 124                      | 100.0%           |
| Kyrgyzstan            | 2006 | 100.0%                                | 63                                    | 63                       | 100.0%           |
| Latvia                | 2006 | 100.0%                                | 16                                    | 16                       | 100.0%           |
| Lithuania             | 2006 | 100.0%                                | 20                                    | 21                       | 100.0%           |
| Luxembourg            | 2006 | 100.0%                                | 56                                    | 56                       | 100.0%           |
| Norway                | 2006 | 16.7%                                 | 22                                    | 26                       | 96.2%            |
| Poland                | 2006 | 100.0%                                | 44                                    | 44                       | 100.0%           |
| Portugal              | 2006 | 100.0%                                | 16                                    | 30                       | 46.7%            |
| Republic of Moldova   | 2006 | 100.0%                                | 48                                    | 48                       | 100.0%           |
| Romania               | 2006 | 100.0%                                | 1504                                  | 1514                     | 99.3%            |
| Russian Federation    | 2006 | 100.0%                                | 979                                   | 1475                     | 68.1%            |
| Serbia and Montenegro | 2006 | 100.0%                                | 73                                    | 74                       | 100.0%           |
| Slovakia              | 2006 | 100.0%                                | 82                                    | 96                       | 91.7%            |
| Slovenia              | 2006 | 100.0%                                | 111                                   | 111                      | 100.0%           |
| Spain                 | 2006 | 100.0%                                | 66                                    | 132                      | 45.5%            |
| Switzerland           | 2006 | 100.0%                                | 5                                     | 8                        | 62.5%            |
| Tajikistan            | 2006 | 100.0%                                | 8                                     | 8                        | 100.0%           |
| Turkey                | 2006 | 12.5%                                 | 73                                    | 73                       | 100.0%           |
| Ukraine               | 2006 | 100.0%                                | 822                                   | 853                      | 100.0%           |
| Uzbekistan            | 2006 | 100.0%                                | 109                                   | 109                      | 100.0%           |

\*Number of laboratories reporting divided by number of laboratories under surveillance in a given country as an indicator of the geographical coverage of reporting inside the country

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

# MEASLES EPI DATA:

## Timeliness and completeness of epi reporting and annualized incidence of suspected measles in the European Region as of 9 May 2006

| Country  | CB | % districts | Completeness | Timeliness | 2005  |           | 2006  |           | Months of 2006 |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
|--|----|-------------|--------------|------------|-------|-----------|-------|-----------|----------------|-------|-------|-----|---|---|---|---|---|----|----|----|--|--|--|
|  |    |             |              |            | Cases | Incidence | Cases | Incidence | 1              | 2     | 3     | 4   | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |  |  |
| Albania  | Y  | 100%        | 100%         | 100%       | 6     | 0.2       | 1     | 0         | 0              | 1     | 0     | 0   |   |   |   |   |   |    |    |    |  |  |  |
| Andorra  | Y  |             | 100%         | 0%         | 0     | 0         | 16    | 23.8      | 0              | 11    | 3     | 2   |   |   |   |   |   |    |    |    |  |  |  |
| Armenia  | N  |             | 33%          | 33%        | 528   | 13.9      | 0     | 0         | 0              |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Austria  | N  |             | 67%          | 0%         | 9     | 0.1       | 5     | 0.1       | 0              | 5     |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Azerbaijan   | N  |             | 0%           | 0%         | 1200  | 14.5      |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Belarus  | N  |             | 33%          | 0%         | 1     | 0         | 1     | 0         | 1              |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Belgium  | Y  |             | 100%         | 100%       | 26    | 0.3       | 1     | 0         | 1              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Bosnia and Herzegovina                               | N  | 100%        | 33%          | 33%        | 31    | 0.7       | 1     | 0         | 1              |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Bulgaria   | Y  | 100%        | 100%         | 100%       | 3     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Croatia  | Y  |             | 100%         | 100%       | 5     | 0.1       | 1     | 0         | 0              | 0     | 1     |     |   |   |   |   |   |    |    |    |  |  |  |
| Cyprus   | Y  | 83%         | 100%         | 100%       | 1     | 0.1       | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Czech Republic                                       | Y  |             | 0%           | 0%         | 2     | 0         |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Denmark  | Y  |             | 100%         | 100%       | 2     | 0         | 11    | 0.2       | 1              | 6     | 4     |     |   |   |   |   |   |    |    |    |  |  |  |
| Estonia  | Y  | 100%        | 100%         | 100%       | 8     | 0.6       | 11    | 0.8       | 0              | 0     | 11    |     |   |   |   |   |   |    |    |    |  |  |  |
| Finland  | Y  |             | 100%         | 100%       | 1     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| France   | N  |             | 0%           | 0%         |       |           |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Georgia  | N  |             | 100%         | 33%        | 1351  | 26.4      | 217   | 4.9       | 57             | 52    | 108   |     |   |   |   |   |   |    |    |    |  |  |  |
| Germany  | N  |             | 100%         | 100%       | 778   | 1         | 689   | 0.8       | 39             | 155   | 495   |     |   |   |   |   |   |    |    |    |  |  |  |
| Greece   | N  |             | 0%           | 0%         | 116   | 1.1       |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Hungary  | Y  | 100%        | 100%         | 100%       | 2     | 0         | 1     | 0         | 1              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Iceland  | Y  |             | 100%         | 100%       | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Ireland  | N  | 100%        | 100%         | 100%       | 94    | 2.4       | 30    | 0.7       | 4              | 8     | 13    | 5   |   |   |   |   |   |    |    |    |  |  |  |
| Israel   | N  |             | 0%           | 0%         | 1     | 0         |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Italy  | N  |             | 0%           | 0%         |       |           |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Kazakhstan   | N  |             | 67%          | 0%         | 15745 | 99.2      | 35    | 0.2       | 17             | 18    |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Kyrgyzstan   | N  |             | 0%           | 0%         | 53    | 1         |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Latvia   | Y  | 100%        | 100%         | 67%        | 3     | 0.1       | 5     | 0.2       | 1              | 1     | 3     |     |   |   |   |   |   |    |    |    |  |  |  |
| Lithuania  | Y  | 100%        | 67%          | 67%        | 0     | 0         | 1     | 0         | 0              | 1     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Luxembourg   | N  |             | 0%           | 0%         | 0     | 0         |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Malta  | N  | 100%        | 100%         | 67%        | 4     | 1         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Monaco   | N  |             | 0%           | 0%         |       |           |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Netherlands  | Y  |             | 33%          | 33%        | 5     | 0         | 0     | 0         | 0              |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Norway   | Y  |             | 100%         | 33%        | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Poland   | N  | 100%        | 100%         | 100%       | 12    | 0         | 24    | 0.1       | 4              | 6     | 14    |     |   |   |   |   |   |    |    |    |  |  |  |
| Portugal   | Y  |             | 100%         | 33%        | 7     | 0.1       | 1     | 0         | 0              | 0     | 1     |     |   |   |   |   |   |    |    |    |  |  |  |
| Republic of Moldova                                  | N  |             | 0%           | 0%         | 6     | 0.1       |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Romania  | Y  | 100%        | 100%         | 100%       | 3392  | 15.3      | 3503  | 15.8      | 1135           | 949   | 906   | 513 |   |   |   |   |   |    |    |    |  |  |  |
| Russian Federation                                   | N  | 100%        | 100%         | 100%       | 453   | 0.3       | 298   | 0.2       | 17             | 87    | 194   |     |   |   |   |   |   |    |    |    |  |  |  |
| San Marino   | N  |             | 0%           | 0%         |       |           |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Slovakia   | Y  |             | 100%         | 33%        | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Slovenia   | Y  | 100%        | 100%         | 100%       | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| Spain  | Y  |             | 67%          | 33%        | 17    | 0         | 52    | 0.1       | 24             | 27    | 1     |     |   |   |   |   |   |    |    |    |  |  |  |
| Sweden   | Y  |             | 0%           | 0%         | 12    | 0.1       |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Switzerland  | N  |             | 67%          | 67%        | 62    | 0.9       | 8     | 0.1       | 1              | 7     |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Tajikistan   | N  |             | 67%          | 33%        | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| The former Yugoslav Republic of Macedonia            | N  |             | 0%           | 0%         | 5     | 0.2       |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Turkey   | N  |             | 0%           | 0%         | 6198  | 8.7       |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Turkmenistan   | N  |             | 0%           | 0%         | 0     | 0         |       |           |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Ukraine  | N  | 4%          | 100%         | 67%        | 2392  | 5.1       | 26753 | 58.2      | 7701           | 9580  | 9472  |     |   |   |   |   |   |    |    |    |  |  |  |
| United Kingdom of Great Britain and Northern Ireland | N  |             | 100%         | 0%         | 79    | 0.1       | 161   | 0.3       | 23             | 48    | 90    |     |   |   |   |   |   |    |    |    |  |  |  |
| Uzbekistan   | N  | 100%        | 100%         | 67%        | 1584  | 5.9       | 331   | 1.2       | 83             | 105   | 143   |     |   |   |   |   |   |    |    |    |  |  |  |
| Serbia and Montenegro                                | N  | 100%        | 100%         | 33%        | 0     | 0         | 0     | 0         | 0              | 0     | 0     |     |   |   |   |   |   |    |    |    |  |  |  |
| European Region                                      | 20 | 97%         | 62%          | 45%        | 34194 | (4.5) 3.9 | 32157 | (4.6) 3.6 |                |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Country  | CB | % districts | Completeness | Timeliness | 2005  |           | 2006  |           | Months of 2006 |       |       |     |   |   |   |   |   |    |    |    |  |  |  |
| Cases in the European Region by month                |    |             |              |            |       |           |       |           | 9111           | 11067 | 11459 | 520 |   |   |   |   |   |    |    |    |  |  |  |

CB: country reporting case based data

Data source: reports submitted to the Vaccine-preventable Diseases and Immunization programme of WHO Regional Office for Europe

Numbers for each month represent the suspected measles and rubella cases for that month

European Region incidence is calculated with all 52 Member States (bold) and with Member States who reported data (blue)

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe

Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.

## Timeliness and completeness of epi reporting and annualized incidence of suspected rubella in the European Region as of 9 May 2006

| Country  | CB | % districts | Completeness | Timeliness | 2004    |           | 2006  |           | Months of 2006 |    |     |   |   |   |   |   |   |    |    |    |  |
|--|----|-------------|--------------|------------|---------|-----------|-------|-----------|----------------|----|-----|---|---|---|---|---|---|----|----|----|--|
|  |    |             |              |            | Cases   | Incidence | Cases | Incidence | 1              | 2  | 3   | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |
| Albania  | Y  | 100%        | 100%         | 100%       | 0       | 0         | 0     | 0         | 0              |    |     |   |   |   |   |   |   |    |    |    |  |
| Andorra  | Y  |             | 0%           | 0%         | 0       | 0         | 16    | 23.8      | 10             | 6  |     |   |   |   |   |   |   |    |    |    |  |
| Armenia  | N  |             | 0%           | 0%         | 733     | 19.31     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Austria  | N  |             | 0%           | 0%         | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Azerbaijan   | N  |             | 0%           | 0%         | 5 796   | 70.35     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Belarus  | N  |             | 0%           | 0%         | 4 492   | 44.82     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Belgium  | Y  |             | 0%           | 0%         | 38      | 0.37      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Bosnia and Herzegovina                               | N  |             | 0%           | 0%         | 43      | 1.03      | 1     | 0.02      | 1              |    |     |   |   |   |   |   |   |    |    |    |  |
| Bulgaria   | Y  |             | 0%           | 0%         | 474     | 6.2       |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Croatia  | Y  |             | 0%           | 0%         | 2       | 0.04      | 1     | 0.02      |                |    | 1   |   |   |   |   |   |   |    |    |    |  |
| Cyprus   | Y  |             | 0%           | 0%         | 6       | 0.74      | 0     | 0         |                |    | 0   |   |   |   |   |   |   |    |    |    |  |
| Czech Republic                                       | Y  |             | 0%           | 0%         | 31      | 0.3       |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Denmark  | Y  |             | 0%           | 0%         | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Estonia  | Y  | 100%        | 100%         | 100%       | 22      | 1.65      | 0     | 0         | 0              | 0  | 0   |   |   |   |   |   |   |    |    |    |  |
| Finland  | Y  |             | 0%           | 0%         | 0       | 0         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| France   | N  |             | 100%         | 0%         | ND      | —         | 0     | 0         | 0              |    |     |   |   |   |   |   |   |    |    |    |  |
| Georgia  | N  |             | 0%           | 0%         | 4 809   | 93.29     | 66    | 1.5       |                |    | 66  |   |   |   |   |   |   |    |    |    |  |
| Germany  | N  |             | 100%         | 100%       | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Greece   | N  |             | 0%           | 0%         | 2       | 0.02      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Hungary  | Y  |             | 100%         | 100%       | 36      | 0.37      | 20    | 0.2       | 7              | 5  | 8   |   |   |   |   |   |   |    |    |    |  |
| Iceland  | Y  |             | 100%         | 100%       | 0       | 0         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Ireland  | N  | 100%        | 100%         | 100%       | 49      | 1.24      | 3     | 0.07      | 1              | 0  | 2   | 0 |   |   |   |   |   |    |    |    |  |
| Israel   | N  |             | 0%           | 0%         | 11      | 0.17      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Italy  | N  |             | 0%           | 0%         | 363     | 0.63      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Kazakhstan   | N  |             | 0%           | 0%         | 15 103  | 94.88     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Kyrgyzstan   | N  |             | 0%           | 0%         | 7       | 0.14      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Latvia   | Y  |             | 0%           | 0%         | 52      | 2.2       | 5     | 0.2       | 1              | 1  | 3   |   |   |   |   |   |   |    |    |    |  |
| Lithuania  | Y  | 100%        | 100%         | 100%       | 93      | 2.54      | 45    | 1.3       | 12             | 12 | 21  |   |   |   |   |   |   |    |    |    |  |
| Luxembourg   | N  |             | 0%           | 0%         | 0       | 0         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Malta  | N  |             | 0%           | 0%         | 0       | 0         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Monaco   | N  |             | 0%           | 0%         | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Netherlands  | Y  |             | 0%           | 0%         | 46      | 0.29      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Norway   | Y  |             | 0%           | 0%         | 2       | 0.04      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Poland   | N  |             | 0%           | 0%         | 4 857   | 12.63     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Portugal   | Y  |             | 0%           | 0%         | 8       | 0.08      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Republic of Moldova                                  | N  |             | 0%           | 0%         | 170     | 4         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Romania  | Y  |             | 0%           | 0%         | 47 444  | 213.6     |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Russian Federation                                   | N  | 100%        | 100%         | 100%       | 146 220 | 103.09    |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| San Marino   | N  |             | 0%           | 0%         | 1       | 3.47      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Slovakia   | Y  |             | 0%           | 0%         | 3       | 0.06      | 0     | 0         | 0              | 0  |     |   |   |   |   |   |   |    |    |    |  |
| Slovenia   | Y  |             | 0%           | 0%         | 1       | 0.05      | 1     | 0.05      | 1              | 0  |     |   |   |   |   |   |   |    |    |    |  |
| Spain  | Y  |             | 0%           | 0%         | 90      | 0.23      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Sweden   | Y  |             | 0%           | 0%         | 0       | 0         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Switzerland  | N  |             | 0%           | 0%         | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Tajikistan   | N  |             | 0%           | 0%         | 567     | 9.06      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| The former Yugoslav Republic of Macedonia            | N  |             | 0%           | 0%         | 33      | 1.6       |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Turkey   | N  |             | 0%           | 0%         | ND      | —         |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Turkmenistan   | N  |             | 0%           | 0%         | 26      | 0.51      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Ukraine  | N  |             | 0%           | 0%         | 31 606  | 66.2      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| United Kingdom of Great Britain and Northern Ireland | N  |             | 0%           | 0%         | 17      | 0.03      |       |           |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Uzbekistan   | N  |             | 0%           | 0%         | 498     | 1.89      | 78    | 0.3       | 2              |    | 76  |   |   |   |   |   |   |    |    |    |  |
| Serbia and Montenegro                                | N  | 100%        | 100%         | 0%         | 303     | 2.89      | 0     | 0         | 0              | 0  |     |   |   |   |   |   |   |    |    |    |  |
| European Region                                      | 16 | 100%        |              |            | 3727    | 0.4       | 236   | 0.02      |                |    |     |   |   |   |   |   |   |    |    |    |  |
| Country  | CB | % districts | Completeness | Timeliness | Cases   | Incidence | Cases | Incidence | 1              | 2  | 3   | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |  |
|  |    |             |              |            | 2004    |           | 2006  |           | Months of 2006 |    |     |   |   |   |   |   |   |    |    |    |  |
| Cases in the European Region by month                |    |             |              |            |         |           |       |           | 35             | 24 | 177 | 0 |   |   |   |   |   |    |    |    |  |

CB: country reporting case based data  
 Data source: reports submitted to the Vaccine-preventable Diseases and Immunization programme of WHO Regional Office for Europe  
 Numbers for each month represent the suspected measles and rubella cases for that month  
 European Region incidence is calculated with all 52 Member States (bold) and with Member States who reported data (blue)

Data source: Monthly reporting of the European Measles Rubella Laboratory Network coordinated by WHO Regional Office for Europe  
 Note: The data displayed here only reflects the information that was reported to WHO Regional Office for Europe.