

*A monthly summary of the epidemiological data on selected vaccine-preventable diseases in the WHO European Region*

**Table 1: Reported measles cases for the period September 2022—August 2023 (data as of 05 October 2023)**

| Country                      | Total Population in 2023 <sup>1</sup> | Incidence Rate September 2022–August 2023 (per 1 million population) | Total measles cases | Month and year of rash onset |           |           |            |            |            |             |             |             |             |             |             | Month & year of last report |
|------------------------------|---------------------------------------|----------------------------------------------------------------------|---------------------|------------------------------|-----------|-----------|------------|------------|------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------------------------|
|                              |                                       |                                                                      |                     | Sep-22                       | Oct-22    | Nov-22    | Dec-22     | Jan-23     | Feb-23     | Mar-23      | Apr-23      | May-23      | Jun-23      | Jul-23      | Aug-23      |                             |
| Albania                      | 2 832 439                             | 1.41                                                                 | 4                   | 0                            | 1         | 0         | 0          | 0          | 3          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Andorra                      | 80 088                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Armenia                      | 2 777 971                             | 151.91                                                               | 422                 | 0                            | 0         | 0         | 0          | 0          | 11         | 87          | 48          | 66          | 85          | 83          | 42          | Aug-23                      |
| Austria                      | 8 958 961                             | 17.19                                                                | 154                 | 0                            | 0         | 0         | 0          | 1          | 49         | 54          | 15          | 2           | 13          | 17          | 3           | Aug-23                      |
| Azerbaijan                   | 10 412 652                            | 0.38                                                                 | 4                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 1           | 2           | 0           | 1           | -           | Jul-23                      |
| Belarus                      | 9 498 238                             | 5.05                                                                 | 48                  | 0                            | 0         | 0         | 0          | 0          | 1          | 0           | 13          | 5           | 10          | 11          | 8           | Aug-23                      |
| Belgium                      | 11 686 140                            | 3.59                                                                 | 42                  | 2                            | 2         | 1         | 5          | 0          | 0          | 1           | 5           | 7           | 11          | 2           | 6           | Aug-23                      |
| Bosnia and Herzegovina       | 3 210 848                             | 1.87                                                                 | 6                   | 1                            | 2         | 0         | 0          | 0          | 2          | 0           | 0           | 1           | 0           | 0           | 0           | Aug-23                      |
| Bulgaria                     | 6 687 717                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Croatia                      | 4 008 617                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Cyprus                       | 1 260 138                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Czechia                      | 10 495 295                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Denmark                      | 5 910 913                             | 0.34                                                                 | 2                   | 0                            | 0         | 0         | 0          | 0          | 0          | 1           | 0           | 0           | 0           | 1           | -           | Jul-23                      |
| Estonia                      | 1 322 766                             | 2.27                                                                 | 3                   | 0                            | 0         | 0         | 0          | 1          | 0          | 1           | 0           | 1           | 0           | 0           | 0           | Aug-23                      |
| Finland                      | 5 545 475                             | 0.36                                                                 | 2                   | 1                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 1           | 0           | Aug-23                      |
| France                       | 64 756 584                            | 0.45                                                                 | 29                  | 2                            | 2         | 0         | 0          | 3          | 1          | 5           | 2           | 0           | 7           | 3           | 4           | Aug-23                      |
| Georgia                      | 3 728 282                             | 4.83                                                                 | 18                  | 0                            | 3         | 0         | 0          | 2          | 0          | 4           | 1           | 1           | 0           | 5           | 2           | Aug-23                      |
| Germany                      | 83 294 633                            | 0.37                                                                 | 31                  | 0                            | 1         | 2         | 1          | 1          | 1          | 4           | 9           | 7           | 3           | 2           | -           | Jul-23                      |
| Greece                       | 10 341 277                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Hungary                      | 10 156 239                            | 0.10                                                                 | 1                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 1           | 0           | Aug-23                      |
| Iceland                      | 375 319                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Ireland                      | 5 056 935                             | 1.19                                                                 | 6                   | 0                            | 0         | 1         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 1           | 4           | Aug-23                      |
| Israel                       | 9 174 520                             | 0.22                                                                 | 2                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 1           | 0           | 1           | 0           | Aug-23                      |
| Italy                        | 58 870 763                            | 0.36                                                                 | 21                  | 2                            | 4         | 3         | 1          | 1          | 1          | 2           | 1           | 1           | 1           | 1           | 3           | Aug-23                      |
| Kazakhstan                   | 19 606 634                            | 226.76                                                               | 4446                | 1                            | 0         | 0         | -          | 0          | 7          | 109         | 153         | 600         | 1047        | 965         | 1564        | Aug-23                      |
| Kyrgyzstan                   | 6 735 348                             | 309.26                                                               | 2083                | 1                            | 1         | 0         | 11         | 4          | 6          | 79          | 251         | 396         | 474         | 548         | 312         | Aug-23                      |
| Latvia                       | 1 830 212                             | 0.55                                                                 | 1                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 1           | 0           | 0           | 0           | 0           | Aug-23                      |
| Lithuania                    | 2 718 352                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Luxembourg                   | 654 768                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Malta                        | 535 065                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | -           | Jul-23                      |
| Monaco                       | 36 298                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Montenegro                   | 626 485                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Netherlands (Kingdom of the) | 17 618 299                            | 0.45                                                                 | 8                   | 0                            | 0         | 5         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 2           | 1           | Aug-23                      |
| North Macedonia              | 2 085 679                             | 0.48                                                                 | 1                   | 0                            | 0         | 0         | 0          | 0          | 0          | 1           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Norway                       | 5 474 360                             | 0.37                                                                 | 2                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 2           | Aug-23                      |
| Poland                       | 41 026 068                            | 0.85                                                                 | 35                  | 3                            | 2         | 4         | 6          | 1          | 0          | 1           | 3           | 9           | 2           | 0           | 4           | Aug-23                      |
| Portugal                     | 10 247 605                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Republic of Moldova          | 3 435 931                             | 0.29                                                                 | 1                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 1           | 0           | 0           | 0           | Aug-23                      |
| Romania                      | 19 892 812                            | 20.56                                                                | 409                 | 0                            | 0         | 0         | 4          | 5          | 16         | 52          | 68          | 77          | 66          | 119         | 2           | Aug-23                      |
| Russian Federation           | 144 444 359                           | 21.93                                                                | 3167                | 3                            | 6         | 14        | 67         | 183        | 324        | 464         | 499         | 542         | 458         | 406         | 201         | Aug-23                      |
| San Marino                   | 33 642                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Serbia                       | 7 149 077                             | 7.41                                                                 | 53                  | 0                            | 0         | 0         | 0          | 25         | 16         | 7           | 3           | 0           | 0           | 1           | 1           | Aug-23                      |
| Slovakia                     | 5 795 199                             | 1.04                                                                 | 6                   | 0                            | 0         | 0         | 0          | 2          | 1          | 0           | 3           | 0           | 0           | 0           | 0           | Aug-23                      |
| Slovenia                     | 2 119 675                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Spain                        | 47 519 628                            | 0.08                                                                 | 4                   | 0                            | 0         | 0         | 1          | 1          | 1          | 0           | 0           | 1           | 0           | 0           | 0           | Aug-23                      |
| Sweden                       | 10 612 086                            | 1.04                                                                 | 11                  | 0                            | 0         | 0         | 0          | 0          | 0          | 1           | 2           | 1           | 0           | 2           | 5           | Aug-23                      |
| Switzerland                  | 8 796 669                             | 3.30                                                                 | 29                  | 0                            | 0         | 0         | 1          | 4          | 1          | 0           | 4           | 14          | 5           | 0           | 0           | Aug-23                      |
| Tajikistan                   | 10 143 543                            | 61.81                                                                | 627                 | 48                           | 47        | 33        | 17         | 76         | 127        | 97          | 79          | 51          | 20          | 23          | 9           | Aug-23                      |
| Türkiye                      | 85 816 199                            | 48.08                                                                | 4126                | 9                            | 16        | 18        | 25         | 193        | 340        | 446         | 507         | 638         | 877         | 702         | 355         | Aug-23                      |
| Turkmenistan                 | 6 516 100                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0          | 0          | 0          | 0           | 0           | 0           | 0           | 0           | 0           | Aug-23                      |
| Ukraine                      | 36 744 634                            | 1.33                                                                 | 49                  | 0                            | 0         | 3         | 2          | 1          | 2          | 8           | 7           | 3           | 4           | 9           | 10          | Aug-23                      |
| United Kingdom               | 67 736 802                            | 2.14                                                                 | 145                 | 1                            | 4         | 1         | 1          | 12         | 9          | 14          | 29          | 35          | 23          | 12          | 4           | Aug-23                      |
| Uzbekistan                   | 35 163 944                            | 8.84                                                                 | 311                 | 0                            | 0         | 0         | 0          | 0          | 8          | 26          | 4           | 48          | 38          | 104         | 83          | Aug-23                      |
| <b>Region</b>                | <b>931 558 283</b>                    | <b>17.51</b>                                                         | <b>16309</b>        | <b>74</b>                    | <b>91</b> | <b>85</b> | <b>142</b> | <b>516</b> | <b>927</b> | <b>1464</b> | <b>1708</b> | <b>2510</b> | <b>3144</b> | <b>3023</b> | <b>2625</b> |                             |

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina and Kazakhstan.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2022 Revision.

Tables 1–4, criteria for date of case inclusion may differ in accordance with Member States' surveillance systems.

**Table 2: Reported rubella cases for the period September 2022—August 2023 (data as of 05 October 2023)**

| Country                      | Total Population in 2023 <sup>1</sup> | Incidence Rate September 2022–August 2023 (per 1 million population) | Total rubella cases | Month and year of rash onset |           |           |           |           |           |           |           |           |           |           |           | Month & year of last report |
|------------------------------|---------------------------------------|----------------------------------------------------------------------|---------------------|------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------------------|
|                              |                                       |                                                                      |                     | Sep-22                       | Oct-22    | Nov-22    | Dec-22    | Jan-23    | Feb-23    | Mar-23    | Apr-23    | May-23    | Jun-23    | Jul-23    | Aug-23    |                             |
| Albania                      | 2 832 439                             | 0.35                                                                 | 1                   | 0                            | 0         | 0         | 0         | 1         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Andorra                      | 80 088                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Armenia                      | 2 777 971                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Austria                      | 8 958 961                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Azerbaijan                   | 10 412 652                            | 0.10                                                                 | 1                   | 1                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Belarus                      | 9 498 238                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Belgium <sup>2</sup>         | 11 686 140                            | -                                                                    | -                   | -                            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -                           |
| Bosnia and Herzegovina       | 3 210 848                             | 0.62                                                                 | 2                   | 0                            | 0         | 0         | 0         | 0         | 1         | 0         | 0         | 0         | 0         | 1         | 0         | Aug-23                      |
| Bulgaria                     | 6 687 717                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Croatia                      | 4 008 617                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Cyprus                       | 1 260 138                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Czechia                      | 10 495 295                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Denmark <sup>2</sup>         | 5 910 913                             | -                                                                    | -                   | -                            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -                           |
| Estonia                      | 1 322 766                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Finland                      | 5 545 475                             | 0.18                                                                 | 1                   | 0                            | 0         | 0         | 0         | 0         | 0         | 1         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| France <sup>2</sup>          | 64 756 584                            | -                                                                    | -                   | -                            | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -         | -                           |
| Georgia                      | 3 728 282                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Germany                      | 83 294 633                            | 0.05                                                                 | 4                   | 1                            | 0         | 0         | 1         | 0         | 1         | 1         | 0         | 0         | 0         | 0         | -         | Jul-23                      |
| Greece                       | 10 341 277                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Hungary                      | 10 156 239                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Iceland                      | 375 319                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Ireland                      | 5 056 935                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Israel                       | 9 174 520                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Italy                        | 58 870 763                            | 0.10                                                                 | 6                   | 2                            | 1         | 0         | 1         | 1         | 0         | 1         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Kazakhstan                   | 19 606 634                            | 0.20                                                                 | 4                   | 0                            | 0         | 0         | -         | 0         | 0         | 1         | 3         | 0         | 0         | 0         | 0         | Aug-23                      |
| Kyrgyzstan                   | 6 735 348                             | 1.63                                                                 | 11                  | 0                            | 1         | 0         | 1         | 2         | 3         | 1         | 3         | 0         | 0         | 0         | 0         | Aug-23                      |
| Latvia                       | 1 830 212                             | 0.55                                                                 | 1                   | 0                            | 1         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Lithuania                    | 2 718 352                             | 0.74                                                                 | 2                   | 0                            | 0         | 1         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 1         | 0         | Aug-23                      |
| Luxembourg                   | 654 768                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Malta                        | 535 065                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | -         | Jul-23                      |
| Monaco                       | 36 298                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Montenegro                   | 626 485                               | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Netherlands (Kingdom of the) | 17 618 299                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| North Macedonia              | 2 085 679                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Norway                       | 5 474 360                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Poland                       | 41 026 068                            | 6.09                                                                 | 250                 | 11                           | 20        | 14        | 22        | 20        | 13        | 23        | 28        | 23        | 27        | 23        | 26        | Aug-23                      |
| Portugal                     | 10 247 605                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Republic of Moldova          | 3 435 931                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Romania                      | 19 892 812                            | 0.05                                                                 | 1                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 1         | -         | Jul-23                      |
| Russian Federation           | 144 444 359                           | 0.02                                                                 | 3                   | 0                            | 0         | 0         | 0         | 0         | 0         | 1         | 0         | 0         | 1         | 0         | 1         | Aug-23                      |
| San Marino                   | 33 642                                | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Serbia                       | 7 149 077                             | 0.00                                                                 | 0                   | -                            | -         | -         | -         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Slovakia                     | 5 795 199                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Slovenia                     | 2 119 675                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Spain                        | 47 519 628                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Sweden                       | 10 612 086                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Switzerland                  | 8 796 669                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Tajikistan                   | 10 143 543                            | 0.79                                                                 | 8                   | 0                            | 0         | 0         | 0         | 0         | 0         | 2         | 2         | 3         | 0         | 1         | 0         | Aug-23                      |
| Türkiye                      | 85 816 199                            | 0.78                                                                 | 67                  | 1                            | 3         | 5         | 5         | 5         | 6         | 8         | 2         | 3         | 14        | 9         | 6         | Aug-23                      |
| Turkmenistan                 | 6 516 100                             | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Ukraine                      | 36 744 634                            | 0.19                                                                 | 7                   | 0                            | 1         | 1         | 0         | 0         | 1         | 0         | 1         | 0         | 2         | 0         | 1         | Aug-23                      |
| United Kingdom               | 67 736 802                            | 0.00                                                                 | 0                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 0         | Aug-23                      |
| Uzbekistan                   | 35 163 944                            | 0.06                                                                 | 2                   | 0                            | 0         | 0         | 0         | 0         | 0         | 0         | 0         | 2         | 0         | 0         | 0         | Aug-23                      |
| <b>Region</b>                | <b>931 558 283</b>                    | <b>0.40</b>                                                          | <b>371</b>          | <b>16</b>                    | <b>27</b> | <b>21</b> | <b>30</b> | <b>29</b> | <b>25</b> | <b>39</b> | <b>39</b> | <b>31</b> | <b>44</b> | <b>36</b> | <b>34</b> |                             |

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan and Poland.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2022 Revision.

<sup>2</sup> Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January—August 2023 (data as of 05 October 2023)

| Country                      | Total<br>Population in<br>2023 <sup>1</sup> | 2022<br>(as of 05 October 2023)                       |                                        |                            | 2023                                   |                |          |                                       |                   |                |                |                           |                         |                                |                                                  |                                         |                                     |                                             |
|------------------------------|---------------------------------------------|-------------------------------------------------------|----------------------------------------|----------------------------|----------------------------------------|----------------|----------|---------------------------------------|-------------------|----------------|----------------|---------------------------|-------------------------|--------------------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------|
|                              |                                             | Incidence<br>Rate<br>(per 1<br>million<br>population) | Total<br>measles<br>cases <sup>2</sup> | Total<br>measles<br>deaths | Total<br>measles<br>cases <sup>2</sup> | Classification |          |                                       | Discarded measles | Imported cases | Measles deaths | Report                    |                         |                                | Surveillance Indicators <sup>6</sup>             |                                         |                                     |                                             |
|                              |                                             |                                                       |                                        |                            |                                        | Lab confirmed  | Epi-Link | Clinically<br>compatible <sup>3</sup> |                   |                |                | Completeness <sup>4</sup> | Timeliness <sup>4</sup> | Month & year of<br>last report | Laboratory<br>investigation<br>rate <sup>4</sup> | Rate of<br>discarded cases <sup>5</sup> | Origin of<br>infection <sup>4</sup> | Timeliness of<br>investigation <sup>4</sup> |
| Albania <sup>7</sup>         | 2 832 439                                   | 0.35                                                  | 1                                      | 0                          | 3                                      | 3              | 0        | 0                                     | 6                 | 0              | 0              | 100%                      | 88%                     | Aug-23                         | 100%                                             | 0.2                                     | 100%                                | 100%                                        |
| Andorra                      | 80 088                                      | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 63%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Armenia                      | 2 777 971                                   | 0.00                                                  | 0                                      | -                          | 422                                    | 414            | 8        | 0                                     | 723               | 292            | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 26.0                                    | 100%                                | 100%                                        |
| Austria                      | 8 958 961                                   | 0.11                                                  | 1                                      | 0                          | 154                                    | 153            | 1        | 0                                     | 28                | 4              | 0              | 100%                      | 88%                     | Aug-23                         | 90%                                              | 0.3                                     | 97%                                 | 0%                                          |
| Azerbaijan                   | 10 412 652                                  | 0.10                                                  | 1                                      | 0                          | 4                                      | 4              | 0        | 0                                     | 84                | 1              | 0              | 88%                       | 63%                     | Jul-23                         | 100%                                             | 0.8                                     | 100%                                | 100%                                        |
| Belarus <sup>7</sup>         | 9 498 238                                   | 0.00                                                  | 0                                      | -                          | 48                                     | 48             | 0        | 0                                     | 259               | 0              | 0              | 100%                      | 75%                     | Aug-23                         | 100%                                             | 2.7                                     | 0%                                  | 0%                                          |
| Belgium                      | 11 686 140                                  | 1.46                                                  | 17                                     | 0                          | 32                                     | 21             | 7        | 4                                     | -                 | -              | 0              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Bosnia and Herzegovina       | 3 210 848                                   | 1.86                                                  | 6                                      | 0                          | 3                                      | 1              | 0        | 2                                     | -                 | -              | 0              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Bulgaria                     | 6 687 717                                   | 0.15                                                  | 1                                      | 0                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Croatia                      | 4 008 617                                   | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 75%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Cyprus                       | 1 260 138                                   | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Czechia                      | 10 495 295                                  | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Denmark                      | 5 910 913                                   | 0.00                                                  | 0                                      | -                          | 2                                      | 2              | 0        | 0                                     | -                 | 0              | 0              | 88%                       | 75%                     | Jul-23                         | 100%                                             | -                                       | 0                                   | 0%                                          |
| Estonia                      | 1 322 766                                   | 0.00                                                  | 0                                      | -                          | 3                                      | 3              | 0        | 0                                     | 156               | 3              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 11.8                                    | 100%                                | 100%                                        |
| Finland                      | 5 545 475                                   | 0.18                                                  | 1                                      | 0                          | 1                                      | 1              | 0        | 0                                     | -                 | 1              | 0              | 100%                      | 63%                     | Aug-23                         | 100%                                             | -                                       | 100%                                | 0%                                          |
| France                       | 64 756 584                                  | 0.29                                                  | 19                                     | 0                          | 25                                     | 20             | 1        | 4                                     | -                 | 15             | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | -                                       | 96%                                 | 0%                                          |
| Georgia                      | 3 728 282                                   | 3.20                                                  | 12                                     | 0                          | 15                                     | 14             | 0        | 1                                     | 27                | 6              | 0              | 100%                      | 88%                     | Aug-23                         | 98%                                              | 0.7                                     | 73%                                 | 90%                                         |
| Germany                      | 83 294 633                                  | 0.18                                                  | 15                                     | 0                          | 27                                     | 25             | 0        | 2                                     | -                 | 8              | 0              | 88%                       | 88%                     | Jul-23                         | 93%                                              | -                                       | 85%                                 | 0%                                          |
| Greece                       | 10 341 277                                  | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 88%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Hungary                      | 10 156 239                                  | 0.00                                                  | 0                                      | -                          | 1                                      | 1              | 0        | 0                                     | 4                 | 1              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 0.0                                     | 100%                                | 20%                                         |
| Iceland                      | 375 319                                     | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Ireland                      | 5 056 935                                   | 0.40                                                  | 2                                      | 0                          | 5                                      | 1              | 3        | 1                                     | -                 | 2              | 0              | 100%                      | 88%                     | Aug-23                         | 50%                                              | -                                       | 60%                                 | 80%                                         |
| Israel                       | 9 174 520                                   | 0.00                                                  | 0                                      | -                          | 2                                      | 1              | 0        | 1                                     | -                 | 0              | 0              | 100%                      | 75%                     | Aug-23                         | 100%                                             | -                                       | 0%                                  | 100%                                        |
| Italy                        | 58 870 763                                  | 0.25                                                  | 15                                     | 0                          | 11                                     | 9              | 0        | 2                                     | 26                | 5              | 0              | 100%                      | 88%                     | Aug-23                         | 92%                                              | 0.0                                     | 64%                                 | 0%                                          |
| Kazakhstan                   | 19 606 634                                  | 0.21                                                  | 4                                      | 0                          | 4445                                   | 3876           | 392      | 177                                   | -                 | -              | 0              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Kyrgyzstan <sup>7</sup>      | 6 735 348                                   | 3.47                                                  | 23                                     | 0                          | 2070                                   | 1006           | 571      | 493                                   | 691               | 6              | 2              | 100%                      | 100%                    | Aug-23                         | 65%                                              | 10.3                                    | 0%                                  | 92%                                         |
| Latvia                       | 1 830 212                                   | 0.00                                                  | 0                                      | -                          | 1                                      | 1              | 0        | 0                                     | -                 | 1              | 0              | 100%                      | 88%                     | Aug-23                         | 100%                                             | -                                       | 100%                                | 100%                                        |
| Lithuania                    | 2 718 352                                   | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Luxembourg                   | 654 768                                     | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Malta                        | 535 065                                     | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 88%                       | 75%                     | Jul-23                         | -                                                | -                                       | -                                   | -                                           |
| Monaco                       | 36 298                                      | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Montenegro                   | 626 485                                     | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 7                 | -              | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 1.1                                     | -                                   | 86%                                         |
| Netherlands (Kingdom of the) | 17 618 299                                  | 0.34                                                  | 6                                      | 0                          | 3                                      | 3              | 0        | 0                                     | -                 | 2              | 0              | 100%                      | 88%                     | Aug-23                         | 100%                                             | -                                       | 100%                                | 0%                                          |
| North Macedonia              | 2 085 679                                   | 0.00                                                  | 0                                      | -                          | 1                                      | 1              | 0        | 0                                     | 0                 | 0              | 0              | 100%                      | 88%                     | Aug-23                         | 100%                                             | 0.0                                     | 0                                   | 100%                                        |
| Norway                       | 5 474 360                                   | 0.18                                                  | 1                                      | 0                          | 2                                      | 2              | 0        | 0                                     | -                 | 1              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | -                                       | 50%                                 | 100%                                        |
| Poland                       | 41 026 068                                  | 0.88                                                  | 35                                     | 0                          | 20                                     | 11             | 0        | 9                                     | -                 | 0              | 0              | 100%                      | 88%                     | Aug-23                         | 60%                                              | -                                       | 100%                                | 80%                                         |
| Portugal                     | 10 247 605                                  | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 4                 | -              | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 0.0                                     | -                                   | 0%                                          |
| Republic of Moldova          | 3 435 931                                   | 0.00                                                  | 0                                      | -                          | 1                                      | 1              | 0        | 0                                     | 73                | 1              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 2.1                                     | 100%                                | 100%                                        |
| Romania                      | 19 892 812                                  | 0.56                                                  | 11                                     | 0                          | 405                                    | 384            | 19       | 2                                     | -                 | 4              | 0              | 88%                       | 50%                     | Aug-23                         | 100%                                             | -                                       | 100%                                | 71%                                         |
| Russian Federation           | 144 444 359                                 | 0.81                                                  | 117                                    | 0                          | 3077                                   | 3028           | 46       | 3                                     | 3921              | 145            | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 2.7                                     | 100%                                | 39%                                         |
| San Marino                   | 33 642                                      | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 0                 | -              | -              | 100%                      | 75%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Serbia <sup>7</sup>          | 7 149 077                                   | 0.00                                                  | 0                                      | -                          | 53                                     | 47             | 1        | 5                                     | 143               | 0              | 0              | 100%                      | 88%                     | Aug-23                         | 97%                                              | 2.0                                     | 91%                                 | 97%                                         |
| Slovakia                     | 5 795 199                                   | 0.00                                                  | 0                                      | -                          | 6                                      | 6              | 0        | 0                                     | 3                 | 2              | 0              | 100%                      | 88%                     | Aug-23                         | 89%                                              | 0.1                                     | 100%                                | 100%                                        |
| Slovenia                     | 2 119 675                                   | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | -                 | -              | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Spain                        | 47 519 628                                  | 0.02                                                  | 1                                      | 0                          | 3                                      | 3              | 0        | 0                                     | 30                | 1              | 0              | 100%                      | 100%                    | Aug-23                         | 91%                                              | 0.1                                     | 100%                                | 82%                                         |
| Sweden                       | 10 612 086                                  | 0.38                                                  | 4                                      | 0                          | 11                                     | 11             | 0        | 0                                     | -                 | 6              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | -                                       | 64%                                 | 27%                                         |
| Switzerland                  | 8 796 669                                   | 0.11                                                  | 1                                      | 0                          | 28                                     | 25             | 3        | 0                                     | 116               | 0              | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 1.3                                     | 0                                   | 31%                                         |
| Tajikistan                   | 10 143 543                                  | 45.31                                                 | 451                                    | 0                          | 482                                    | 437            | 45       | 0                                     | 17                | 481            | 0              | 100%                      | 63%                     | Aug-23                         | 100%                                             | 0.2                                     | 100%                                | 100%                                        |
| Türkiye <sup>7</sup>         | 85 816 199                                  | 1.50                                                  | 128                                    | 0                          | 4058                                   | 4049           | 2        | 7                                     | 5610              | 60             | 0              | 100%                      | 25%                     | Aug-23                         | 100%                                             | 6.5                                     | 79%                                 | 99%                                         |
| Turkmenistan <sup>7</sup>    | 6 516 100                                   | 0.00                                                  | 0                                      | -                          | 0                                      | 0              | 0        | 0                                     | 74                | -              | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 1.1                                     | -                                   | 100%                                        |
| Ukraine                      | 36 744 634                                  | 0.28                                                  | 11                                     | 0                          | 44                                     | 38             | 0        | 6                                     | 99                | 0              | 0              | 100%                      | 100%                    | Aug-23                         | 92%                                              | 0.3                                     | 91%                                 | 100%                                        |
| United Kingdom               | 67 736 802                                  | 0.74                                                  | 50                                     | 0                          | 138                                    | 138            | 0        | 0                                     | -                 | 20             | 0              | 100%                      | 50%                     | Aug-23                         | 100%                                             | -                                       | 86%                                 | 0%                                          |
| Uzbekistan                   | 35 163 944                                  | 0.23                                                  | 8                                      | 0                          | 311                                    | 311            | 0        | 0                                     | 163               | 3              | 0              | 100%                      | 75%                     | Aug-23                         | 100%                                             | 0.5                                     | 12%                                 | 97%                                         |
| Region                       | 931 558 283                                 | 1.01                                                  | 942                                    | 0                          | 15917                                  | 14099          | 1099     | 719                                   | 12264             | 1071           | 2              | 99%                       | 85%                     |                                | 96%                                              | 2.3                                     | 71%                                 | 77%                                         |

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Belgium, Bosnia and Herzegovina and Kazakhstan.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2022 Revision.<sup>2</sup> All confirmed measles cases regardless of origin.<sup>3</sup> Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.<sup>4</sup> Target (>=80%) not achieving are highlighted in red.<sup>5</sup> Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed measles cases.<sup>6</sup> Surveillance indicators can not be calculated for Member States submitting aggregate data.<sup>7</sup> Country classifies discard cases as "discarded, not measles, not rubella".

Table 4: Rubella classification, reporting and surveillance performance, January—August 2023 (data as of 05 October 2023)

| Country                      | Total<br>Population in<br>2023 <sup>1</sup> | 2022<br>(as of 05 October 2023)                 |                                        | 2023                                   |                |          |                                       |                   |                |                           |                         |                                |                                                  |                                         |                                     |                                             |
|------------------------------|---------------------------------------------|-------------------------------------------------|----------------------------------------|----------------------------------------|----------------|----------|---------------------------------------|-------------------|----------------|---------------------------|-------------------------|--------------------------------|--------------------------------------------------|-----------------------------------------|-------------------------------------|---------------------------------------------|
|                              |                                             | Incidence Rate<br>(per 1 million<br>population) | Total<br>rubella<br>cases <sup>2</sup> | Total<br>rubella<br>cases <sup>2</sup> | Classification |          |                                       | Discarded rubella | Imported cases | Report                    |                         |                                | Surveillance Indicators <sup>6</sup>             |                                         |                                     |                                             |
|                              |                                             |                                                 |                                        |                                        | Lab confirmed  | Epi-Link | Clinically<br>compatible <sup>3</sup> |                   |                | Completeness <sup>4</sup> | Timeliness <sup>4</sup> | Month & year of<br>last report | Laboratory<br>investigation<br>rate <sup>4</sup> | Rate of<br>discarded cases <sup>5</sup> | Origin of<br>infection <sup>4</sup> | Timeliness of<br>investigation <sup>4</sup> |
| Albania <sup>7</sup>         | 2 832 439                                   | 0.00                                            | 0                                      | 1                                      | 1              | 0        | 0                                     | 6                 | 0              | 100%                      | 88%                     | Aug-23                         | 86%                                              | 0.2                                     | 100%                                | 86%                                         |
| Andorra                      | 80 088                                      | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 63%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Armenia                      | 2 777 971                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Austria                      | 8 958 961                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Azerbaijan                   | 10 412 652                                  | 0.39                                            | 4                                      | 0                                      | 0              | 0        | 0                                     | 50                | -              | 100%                      | 75%                     | Aug-23                         | 100%                                             | 0.5                                     | -                                   | 100%                                        |
| Belarus <sup>7</sup>         | 9 498 238                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 259               | -              | 100%                      | 75%                     | Aug-23                         | 100%                                             | 2.7                                     | -                                   | 0%                                          |
| Belgium <sup>8</sup>         | 11 686 140                                  | -                                               | -                                      | -                                      | -              | -        | -                                     | -                 | -              | -                         | -                       | -                              | -                                                | -                                       | -                                   | -                                           |
| Bosnia and Herzegovina       | 3 210 848                                   | 0.00                                            | 0                                      | 2                                      | 1              | 0        | 1                                     | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Bulgaria                     | 6 687 717                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Croatia                      | 4 008 617                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Cyprus                       | 1 260 138                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Czechia                      | 10 495 295                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Denmark <sup>8</sup>         | 5 910 913                                   | -                                               | -                                      | -                                      | -              | -        | -                                     | -                 | -              | -                         | -                       | -                              | -                                                | -                                       | -                                   | -                                           |
| Estonia                      | 1 322 766                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 53                | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 4.0                                     | -                                   | 100%                                        |
| Finland                      | 5 545 475                                   | 0.18                                            | 1                                      | 1                                      | 1              | 0        | 0                                     | -                 | 0              | 100%                      | 63%                     | Aug-23                         | 100%                                             | -                                       | 0%                                  | 0%                                          |
| France <sup>8</sup>          | 64 756 584                                  | -                                               | -                                      | -                                      | -              | -        | -                                     | -                 | -              | -                         | -                       | -                              | -                                                | -                                       | -                                   | -                                           |
| Georgia                      | 3 728 282                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Germany                      | 83 294 633                                  | 0.10                                            | 8                                      | 2                                      | 2              | 0        | 0                                     | -                 | 0              | 88%                       | 75%                     | Jul-23                         | 100%                                             | -                                       | 100%                                | 0%                                          |
| Greece                       | 10 341 277                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Hungary                      | 10 156 239                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Iceland                      | 375 319                                     | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Ireland                      | 5 056 935                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Israel                       | 9 174 520                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Italy                        | 58 870 763                                  | 0.12                                            | 7                                      | 2                                      | 1              | 0        | 1                                     | 15                | 0              | 100%                      | 88%                     | Aug-23                         | 94%                                              | 0.0                                     | 100%                                | 0%                                          |
| Kazakhstan                   | 19 606 634                                  | 0.00                                            | 0                                      | 4                                      | 3              | 1        | 0                                     | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Kyrgyzstan <sup>7</sup>      | 6 735 348                                   | 0.30                                            | 2                                      | 9                                      | 9              | 0        | 0                                     | 691               | 1              | 100%                      | 100%                    | Aug-23                         | 58%                                              | 10.3                                    | 11%                                 | 91%                                         |
| Latvia                       | 1 830 212                                   | 0.54                                            | 1                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Lithuania                    | 2 718 352                                   | 0.36                                            | 1                                      | 1                                      | 1              | 0        | 0                                     | -                 | 0              | 100%                      | 63%                     | Aug-23                         | 100%                                             | -                                       | 100%                                | 100%                                        |
| Luxembourg                   | 654 768                                     | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Malta                        | 535 065                                     | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 88%                       | 75%                     | Jul-23                         | -                                                | -                                       | -                                   | -                                           |
| Monaco                       | 36 298                                      | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Montenegro                   | 626 485                                     | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Netherlands (Kingdom of the) | 17 618 299                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| North Macedonia              | 2 085 679                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Norway                       | 5 474 360                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Poland                       | 41 026 068                                  | 3.81                                            | 152                                    | 183                                    | 6              | 0        | 177                                   | -                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Portugal                     | 10 247 605                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 4                 | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 0.0                                     | -                                   | 0%                                          |
| Republic of Moldova          | 3 435 931                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Romania                      | 19 892 812                                  | 0.00                                            | 0                                      | 1                                      | 1              | 0        | 0                                     | -                 | 1              | 88%                       | 63%                     | Jul-23                         | 100%                                             | -                                       | 100%                                | 100%                                        |
| Russian Federation           | 144 444 359                                 | 0.00                                            | 0                                      | 3                                      | 2              | 1        | 0                                     | 0                 | 0              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 0.0                                     | 100%                                | 0%                                          |
| San Marino                   | 33 642                                      | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 75%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Serbia <sup>7</sup>          | 7 149 077                                   | -                                               | -                                      | 0                                      | 0              | 0        | 0                                     | 143               | -              | 100%                      | 88%                     | Aug-23                         | 99%                                              | 2.0                                     | -                                   | 98%                                         |
| Slovakia                     | 5 795 199                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 88%                     | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Slovenia                     | 2 119 675                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Spain                        | 47 519 628                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 2                 | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 0.0                                     | -                                   | 50%                                         |
| Sweden                       | 10 612 086                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Switzerland                  | 8 796 669                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 0                 | -              | 100%                      | 100%                    | Aug-23                         | -                                                | 0.0                                     | -                                   | -                                           |
| Tajikistan                   | 10 143 543                                  | 0.00                                            | 0                                      | 8                                      | 8              | 0        | 0                                     | 0                 | 8              | 100%                      | 63%                     | Aug-23                         | 100%                                             | 0.0                                     | 100%                                | 100%                                        |
| Türkiye <sup>7</sup>         | 85 816 199                                  | 0.47                                            | 40                                     | 53                                     | 53             | 0        | 0                                     | 5610              | 0              | 100%                      | 25%                     | Aug-23                         | 100%                                             | 6.5                                     | 94%                                 | 99%                                         |
| Turkmenistan <sup>7</sup>    | 6 516 100                                   | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | 74                | -              | 100%                      | 100%                    | Aug-23                         | 100%                                             | 1.1                                     | -                                   | 100%                                        |
| Ukraine                      | 36 744 634                                  | 0.23                                            | 9                                      | 5                                      | 2              | 0        | 3                                     | 66                | 0              | 100%                      | 100%                    | Aug-23                         | 93%                                              | 0.2                                     | 80%                                 | 100%                                        |
| United Kingdom               | 67 736 802                                  | 0.00                                            | 0                                      | 0                                      | 0              | 0        | 0                                     | -                 | -              | 100%                      | 50%                     | Aug-23                         | -                                                | -                                       | -                                   | -                                           |
| Uzbekistan                   | 35 163 944                                  | 0.00                                            | 0                                      | 2                                      | 2              | 0        | 0                                     | 0                 | 0              | 100%                      | 75%                     | Aug-23                         | 100%                                             | 0.0                                     | 0%                                  | 100%                                        |
| Region                       | 931 558 283                                 | 0.24                                            | 225                                    | 277                                    | 93             | 2        | 182                                   | 6973              | 10             | 94%                       | 80%                     |                                | 96%                                              | 1.3                                     | 83%                                 | 94%                                         |

Data source: Monthly aggregated and case-based data reported by Member States to WHO/Europe directly or via ECDC/TESSy. Member States submitting aggregate data: Bosnia and Herzegovina, Kazakhstan and Poland.

<sup>1</sup> Population source: United Nations, Department of Economic and Social Affairs, Population Division. World Population Prospects: The 2022 Revision.<sup>2</sup> All confirmed rubella cases regardless of origin.<sup>3</sup> Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.<sup>4</sup> Target (>=80%) not achieving are highlighted in red.<sup>5</sup> Rate of discarded cases not achieving the target (>=2 discarded cases per 100 000) are highlighted in red. Rate of discarded cases is not calculated for the countries submitting only confirmed rubella cases.<sup>6</sup> Surveillance indicators can not be calculated for Member States submitting aggregate data.<sup>7</sup> Country classifies discard cases as "discarded, not measles, not rubella".<sup>8</sup> Country does not have a comprehensive rubella surveillance system.

Table 5: Measles and rubella laboratory test results, January—August 2023 (data as of 05 October 2023)

| Country                      | Measles                             |                                       |                                          |                                                 | Rubella                             |                                       |                                           |                                                 | Report <sup>1</sup>       |                         |                      |
|------------------------------|-------------------------------------|---------------------------------------|------------------------------------------|-------------------------------------------------|-------------------------------------|---------------------------------------|-------------------------------------------|-------------------------------------------------|---------------------------|-------------------------|----------------------|
|                              | Total specimens tested <sup>1</sup> | Positive for measles (%) <sup>1</sup> | Genotypes reported to MeaNS <sup>2</sup> | Sequencing reported within 60 days <sup>2</sup> | Total specimens tested <sup>1</sup> | Positive for rubella (%) <sup>1</sup> | Genotypes reported to RubeNS <sup>3</sup> | Sequencing reported within 60 days <sup>3</sup> | Completeness <sup>4</sup> | Timeliness <sup>4</sup> | Month of last report |
| Albania                      | 9                                   | 3 (33)                                | -                                        | -                                               | 1                                   | 1 (100)                               | -                                         | -                                               | 100%                      | 75%                     | Aug-23               |
| Andorra                      |                                     |                                       |                                          |                                                 |                                     |                                       |                                           |                                                 |                           |                         | No lab               |
| Armenia                      | -                                   | -                                     | -                                        | -                                               | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Austria                      | 1187                                | 113 (10)                              | B3,D8                                    | 98%                                             | 3341                                | 0 (0)                                 | -                                         | -                                               | 88%                       | 63%                     | Aug-23               |
| Azerbaijan                   | 126                                 | 16 (13)                               | -                                        | -                                               | 49                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Belarus                      | -                                   | -                                     | D8                                       | 28%                                             | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Belgium                      | 40                                  | 8 (20)                                | B3,D8                                    | 100%                                            | 9                                   | 0 (0)                                 | -                                         | -                                               | 25%                       | 25%                     | Aug-23               |
| Bosnia and Herzegovina       | 5                                   | 1 (20)                                | -                                        | -                                               | 13                                  | 1 (8)                                 | -                                         | -                                               | 63%                       | 63%                     | Aug-23               |
| Bulgaria                     | 16                                  | 0 (0)                                 | -                                        | -                                               | 16                                  | 0 (0)                                 | -                                         | -                                               | 75%                       | 63%                     | Jun-23               |
| Croatia                      | 4                                   | 0 (0)                                 | -                                        | -                                               | 0                                   | -                                     | -                                         | -                                               | 63%                       | 63%                     | May-23               |
| Cyprus                       | 48                                  | 0 (0)                                 | -                                        | -                                               | 92                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 63%                     | Aug-23               |
| Czechia                      | 19                                  | 4 (21)                                | -                                        | -                                               | 51                                  | 1 (2)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Denmark                      | 414                                 | 25 (6)                                | B3,D8                                    | 100%                                            | 39                                  | 7 (18)                                | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Estonia                      | 56                                  | 6 (11)                                | D8                                       | 100%                                            | 4                                   | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Finland                      | 25                                  | 3 (12)                                | D8                                       | 100%                                            | 10                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| France                       | -                                   | -                                     | B3,D8                                    | 100%                                            | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Georgia                      | 54                                  | 19 (35)                               | B3,D8                                    | 67%                                             | 43                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 75%                     | Aug-23               |
| Germany                      | 283                                 | 76 (27)                               | B3,D8                                    | 97%                                             | 185                                 | 3 (2)                                 | -                                         | -                                               | 100%                      | 88%                     | Aug-23               |
| Greece                       | -                                   | -                                     | -                                        | -                                               | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Hungary                      | 83                                  | 6 (7)                                 | D8                                       | 100%                                            | 72                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Iceland                      | -                                   | -                                     | -                                        | -                                               | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Ireland                      | 341                                 | 7 (2)                                 | B3                                       | 100%                                            | 1610                                | 8 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Israel                       | 190                                 | 27 (14)                               | -                                        | -                                               | 444                                 | 174 (39)                              | -                                         | -                                               | 100%                      | 75%                     | Aug-23               |
| Italy                        | 138                                 | 23 (17)                               | D8                                       | 100%                                            | 18                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Kazakhstan                   | 4414                                | 3694 (84)                             | B3,D8                                    | 71%                                             | 646                                 | 3 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Kyrgyzstan                   | 2289                                | 1203 (53)                             | -                                        | -                                               | 1451                                | 10 (1)                                | -                                         | -                                               | 100%                      | 88%                     | Aug-23               |
| Latvia                       | 92                                  | 1 (1)                                 | D8                                       | 100%                                            | 56                                  | 2 (4)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Lithuania                    | 48                                  | 5 (10)                                | -                                        | -                                               | 47                                  | 3 (6)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Luxembourg                   | 30                                  | 0 (0)                                 | D8                                       | 0%                                              | 0                                   | -                                     | -                                         | -                                               | 100%                      | 88%                     | Aug-23               |
| Malta                        | 23                                  | 2 (9)                                 | -                                        | -                                               | 637                                 | 6 (1)                                 | -                                         | -                                               | 100%                      | 25%                     | Aug-23               |
| Monaco                       |                                     |                                       |                                          |                                                 |                                     |                                       |                                           |                                                 |                           |                         | No lab               |
| Montenegro                   | -                                   | -                                     | -                                        | -                                               | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Netherlands (Kingdom of the) | 23                                  | 2 (9)                                 | D8                                       | 100%                                            | 7                                   | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| North Macedonia              | 55                                  | 6 (11)                                | -                                        | -                                               | 4                                   | 3 (75)                                | -                                         | -                                               | 100%                      | 38%                     | Aug-23               |
| Norway                       | 5                                   | 5 (100)                               | D8                                       | 100%                                            | 1                                   | 1 (100)                               | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Poland                       | -                                   | -                                     | -                                        | -                                               | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Portugal                     | 9                                   | 0 (0)                                 | -                                        | -                                               | 1                                   | 0 (0)                                 | -                                         | -                                               | 100%                      | 50%                     | Aug-23               |
| Republic of Moldova          | 77                                  | 1 (1)                                 | -                                        | -                                               | 77                                  | 0 (0)                                 | -                                         | -                                               | 88%                       | 88%                     | Aug-23               |
| Romania                      | 784                                 | 644 (82)                              | D8                                       | 97%                                             | 125                                 | 1 (1)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Russian Federation           | 15925                               | 7891 (50)                             | D8                                       | 39%                                             | 13180                               | 235 (2)                               | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| San Marino                   |                                     |                                       |                                          |                                                 |                                     |                                       |                                           |                                                 |                           |                         | No lab               |
| Serbia                       | 186                                 | 56 (30)                               | B3                                       | 100%                                            | 250                                 | 1 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Slovakia                     | 36                                  | 10 (28)                               | -                                        | -                                               | 24                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Slovenia                     | 40                                  | 2 (5)                                 | D8                                       | 100%                                            | 16                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 88%                     | Aug-23               |
| Spain                        | -                                   | -                                     | B3,D8                                    | 67%                                             | -                                   | -                                     | -                                         | -                                               | -                         | -                       | No report            |
| Sweden                       | 925                                 | 39 (4)                                | B3,D8                                    | 100%                                            | 1343                                | 14 (1)                                | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Switzerland                  | 120                                 | 44 (37)                               | B3,D8                                    | 100%                                            | 2                                   | 1 (50)                                | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Tajikistan                   | 320                                 | 193 (60)                              | -                                        | -                                               | 290                                 | 0 (0)                                 | -                                         | -                                               | 38%                       | 38%                     | Mar-23               |
| Türkiye                      | 5602                                | 968 (17)                              | -                                        | -                                               | 3597                                | 61 (2)                                | -                                         | -                                               | 100%                      | 13%                     | Aug-23               |
| Turkmenistan                 | 76                                  | 0 (0)                                 | -                                        | -                                               | 76                                  | 0 (0)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| Ukraine                      | 75                                  | 14 (19)                               | -                                        | -                                               | 58                                  | 3 (5)                                 | -                                         | -                                               | 100%                      | 100%                    | Aug-23               |
| United Kingdom               | 886                                 | 112 (13)                              | B3,D8                                    | 95%                                             | 58                                  | 0 (0)                                 | -                                         | -                                               | 63%                       | 63%                     | Aug-23               |
| Uzbekistan                   | 532                                 | 351 (66)                              | -                                        | -                                               | 532                                 | 2 (0)                                 | -                                         | -                                               | 100%                      | 88%                     | Aug-23               |
| Region                       | 35610                               | 15580 (44)                            | -                                        | 77%                                             | 28475                               | 541 (2)                               | -                                         | -                                               | 74%                       | 64%                     |                      |

<sup>1</sup> Data source: Monthly aggregated or specimen-based data reported to WHO/Europe.

<sup>2</sup> MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.

<sup>3</sup> RubeNS: <https://who-gmrln.org/rubens2>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to RubeNS.

<sup>4</sup> Target (>=80%) not achieving are highlighted in red.

NB: 1) Specimen based data are not population based, and should not be interpreted as indicators for epidemiological surveillance. Laboratories may have received more than 1 clinical sample or may have conducted more than 1 test for a given case reported in tables 1-4.

2) Numbers provided for 'Total specimens tested' and 'Positive for measles' (or rubella) may not be consistent with 'Genotypes reported' due to differences in data sources and reporting timeframes.

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