

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 December 2022—November 2023 (data as of 10 January 2024)

Country	Total Population in 2023 ¹	Incidence Rate December 2022–November 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	
Albania	2 832 439	1.06	3	0	0	3	0	0	0	0	0	0	0	0	0	Nov-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Armenia	2 777 971	186.47	518	0	0	11	88	48	66	86	83	43	38	30	25	Nov-23
Austria	8 958 961	19.20	172	0	1	49	54	15	2	13	17	5	1	0	15	Nov-23
Azerbaijan	10 412 652	318.46	3316	0	11	8	0	3	3	0	2	21	63	286	2919	Nov-23
Belarus	9 498 238	10.95	104	0	0	1	0	13	5	10	11	8	0	1	55	Nov-23
Belgium	11 686 140	6.42	75	5	0	0	1	5	7	10	1	5	5	3	33	Nov-23
Bosnia and Herzegovina	3 210 848	0.93	3	0	0	2	0	0	1	0	0	0	0	0	0	Nov-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Croatia	4 008 617	0.75	3	0	0	0	0	0	0	0	0	0	0	2	1	Nov-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Czechia	10 495 295	0.10	1	0	0	0	0	0	0	0	0	0	0	0	1	Nov-23
Denmark	5 910 913	1.52	9	0	0	0	1	0	0	0	1	6	0	0	1	Nov-23
Estonia	1 322 766	3.02	4	0	1	0	1	0	1	0	0	0	1	0	0	Nov-23
Finland	5 545 475	0.18	1	0	0	0	0	0	0	0	1	0	0	0	0	Nov-23
France	64 756 584	1.71	111	0	3	1	5	2	0	7	4	4	43	37	5	Nov-23
Georgia	3 728 282	7.78	29	0	2	0	4	1	1	0	5	2	5	8	1	Nov-23
Germany	83 294 633	0.86	72	1	1	1	4	9	7	3	8	12	4	12	10	Nov-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Hungary	10 156 239	0.10	1	0	0	0	0	0	0	0	1	0	0	0	0	Nov-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Ireland	5 056 935	1.38	7	0	0	0	0	0	0	0	1	4	2	0	0	Nov-23
Israel	9 174 520	1.31	12	0	0	0	0	0	1	0	1	0	6	4	0	Nov-23
Italy	58 870 763	0.48	28	1	1	1	2	1	1	1	1	3	8	2	6	Nov-23
Kazakhstan	19 606 634	697.57	13677	-	0	7	109	153	600	1047	965	1564	3303	4556	1373	Nov-23
Kyrgyzstan	6 735 348	809.46	5452	11	4	6	79	252	399	492	562	360	585	1160	1542	Nov-23
Latvia	1 830 212	0.55	1	0	0	0	0	1	0	0	0	0	0	0	0	Nov-23
Lithuania	2 718 352	1.10	3	0	0	0	0	0	0	0	0	0	0	2	1	Nov-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Netherlands (Kingdom of the)	17 618 299	0.40	7	0	0	0	0	0	0	0	2	1	0	3	1	Nov-23
North Macedonia	2 085 679	0.48	1	0	0	0	1	0	0	0	0	0	0	0	0	Nov-23
Norway	5 474 360	0.37	2	0	0	0	0	0	0	0	0	2	0	0	0	Nov-23
Poland	41 026 068	0.73	30	6	1	0	1	3	9	2	0	3	0	1	4	Nov-23
Portugal	10 247 605	0.10	1	0	1	0	0	0	0	0	0	0	0	0	0	Nov-23
Republic of Moldova	3 435 931	0.58	2	0	0	0	0	0	1	0	0	0	0	0	1	Nov-23
Romania	19 892 812	86.16	1714	4	5	16	50	68	77	66	170	270	225	455	308	Nov-23
Russian Federation	144 444 359	74.15	10710	67	195	405	585	911	1410	1398	1385	1143	879	1021	1311	Nov-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Serbia	7 149 077	7.27	52	0	25	16	7	3	0	0	1	0	0	0	0	Nov-23
Slovakia	5 795 199	1.04	6	0	2	1	0	3	0	0	0	0	0	0	0	Nov-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Spain	47 519 628	0.27	13	1	1	1	0	0	1	0	0	1	4	1	3	Nov-23
Sweden	10 612 086	1.04	11	0	0	0	1	2	1	0	2	5	0	0	-	Oct-23
Switzerland	8 796 669	4.32	38	1	4	1	0	4	15	5	0	1	0	3	4	Nov-23
Tajikistan	10 143 543	30.56	310	17	75	129	66	0	2	6	11	4	0	0	0	Nov-23
Türkiye	85 816 199	53.42	4584	25	193	340	447	507	638	876	700	385	267	206	-	Oct-23
Turkmenistan	6 516 100	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Ukraine	36 744 634	1.55	57	2	1	2	7	7	3	4	9	10	5	4	3	Nov-23
United Kingdom	67 736 802	2.70	183	1	12	9	14	28	33	22	12	5	8	15	24	Nov-23
Uzbekistan	35 163 944	29.18	1026	0	0	8	27	4	48	38	103	142	188	313	155	Nov-23
Region	931 558 283	45.46	42349	142	539	1018	1554	2043	3332	4086	4059	4009	5640	8125	7802	

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.

¹ 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 December 2022—November 2023 (data as of 10 January 2024)

Country	Total Population in 2023 ¹	Incidence Rate December 2022–November 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	
Albania	2 832 439	0.35	1	0	1	0	0	0	0	0	0	0	0	0	0	Nov-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Armenia	2 777 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Austria	8 958 961	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Azerbaijan	10 412 652	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Belarus	9 498 238	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Belgium ²	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.62	2	0	0	1	0	0	0	0	1	0	0	0	0	Nov-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Czechia	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Denmark ²	5 910 913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 322 766	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Finland	5 545 475	0.18	1	0	0	0	1	0	0	0	0	0	0	0	0	Nov-23
France ²	64 756 584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 728 282	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Germany	83 294 633	0.10	8	1	0	1	1	0	0	0	0	2	3	0	0	Nov-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Hungary	10 156 239	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Ireland	5 056 935	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Israel	9 174 520	0.11	1	0	0	0	0	0	0	0	0	0	0	0	1	Nov-23
Italy	58 870 763	0.03	2	0	1	0	1	0	0	0	0	0	0	0	0	Nov-23
Kazakhstan	19 606 634	0.20	4	-	0	0	1	3	0	0	0	0	0	0	0	Nov-23
Kyrgyzstan	6 735 348	1.48	10	1	2	3	1	3	0	0	0	0	0	0	0	Nov-23
Latvia	1 830 212	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Lithuania	2 718 352	0.37	1	0	0	0	0	0	0	0	1	0	0	0	0	Nov-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Norway	5 474 360	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Poland	41 026 068	6.24	256	22	19	13	22	29	22	27	20	26	20	18	18	Nov-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Romania	19 892 812	0.05	1	0	0	0	0	0	0	0	1	0	0	0	-	Oct-23
Russian Federation	144 444 359	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Serbia	7 149 077	0.00	0	-	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Slovakia	5 795 199	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Spain	47 519 628	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Sweden	10 612 086	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Oct-23
Switzerland	8 796 669	0.23	2	0	0	0	0	0	0	0	0	0	1	1	0	Nov-23
Tajikistan	10 143 543	0.89	9	0	0	3	0	2	3	0	1	0	0	0	0	Nov-23
Türkiye	85 816 199	0.72	62	5	5	6	8	2	3	14	9	6	1	3	-	Oct-23
Turkmenistan	6 516 100	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Ukraine	36 744 634	0.24	9	0	0	1	0	1	0	2	0	1	2	1	1	Nov-23
United Kingdom	67 736 802	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Nov-23
Uzbekistan	35 163 944	0.06	2	0	0	0	0	0	2	0	0	0	0	0	0	Nov-23
Region	931 558 283	0.40	371	29	28	28	35	40	30	43	33	35	27	23	20	

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.

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

² Country does not have a comprehensive rubella surveillance system.

Table 3: Measles classification, reporting and surveillance performance, January—November 2023 (data as of 10 January 2024)

Country	Total Population in 2023 ¹	2022 (as of 10 January 2024)			2023													
		Incidence Rate (per 1 million population)	Total measles cases ²	Total measles deaths	Total measles cases ²	Classification			Discarded measles	Imported cases	Measles deaths	Report			Surveillance Indicators ⁶			
						Lab confirmed	Epi-Link	Clinically compatible ³				Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 832 439	0.35	1	0	3	3	0	0	9	0	0	100%	91%	Nov-23	100%	0.3	100%	100%
Andorra	80 088	0.00	0	-	0	0	0	0	0	-	-	91%	64%	Oct-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	-	518	509	9	0	871	373	1	100%	100%	Nov-23	100%	31.4	100%	100%
Austria	8 958 961	0.11	1	0	172	172	0	0	29	8	0	100%	82%	Nov-23	90%	0.3	98%	0%
Azerbaijan	10 412 652	0.10	1	0	3316	572	919	1825	179	10	1	100%	73%	Nov-23	18%	1.7	44%	65%
Belarus ⁷	9 498 238	0.00	0	-	104	104	0	0	331	0	0	100%	64%	Nov-23	100%	3.5	0%	0%
Belgium	11 686 140	1.46	17	0	70	47	12	11	-	-	0	100%	91%	Nov-23	-	-	-	-
Bosnia and Herzegovina	3 210 848	1.86	6	0	3	1	0	2	-	-	0	100%	64%	Nov-23	-	-	-	-
Bulgaria	6 687 717	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Nov-23	-	-	-	-
Croatia	4 008 617	0.00	0	-	3	3	0	0	0	3	0	91%	64%	Nov-23	100%	0.0	100%	0%
Cyprus	1 260 138	0.00	0	-	0	0	0	0	-	-	-	100%	82%	Nov-23	-	-	-	-
Czechia	10 495 295	0.00	0	-	1	1	0	0	-	0	0	100%	91%	Nov-23	100%	-	100%	0%
Denmark	5 910 913	0.00	0	-	9	5	4	0	-	3	0	100%	82%	Nov-23	100%	-	78%	0%
Estonia	1 322 766	0.00	0	-	4	4	0	0	253	4	0	100%	100%	Nov-23	100%	19.1	100%	100%
Finland	5 545 475	0.18	1	0	1	1	0	0	-	1	0	100%	73%	Nov-23	100%	-	100%	0%
France	64 756 584	0.29	19	0	111	97	8	6	-	28	0	100%	100%	Nov-23	100%	-	93%	0%
Georgia	3 728 282	3.20	12	0	29	28	0	1	40	9	0	100%	91%	Nov-23	99%	1.1	86%	93%
Germany	83 294 633	0.18	15	0	71	64	3	4	-	26	0	100%	91%	Nov-23	94%	-	79%	0%
Greece	10 341 277	0.00	0	-	0	0	0	0	0	-	-	91%	82%	Oct-23	-	0.0	-	-
Hungary	10 156 239	0.00	0	-	1	1	0	0	4	1	0	100%	100%	Nov-23	100%	0.0	100%	20%
Iceland	375 319	0.00	0	-	0	0	0	0	-	-	-	100%	91%	Nov-23	-	-	-	-
Ireland	5 056 935	0.40	2	0	7	1	3	3	-	2	0	100%	91%	Nov-23	25%	-	71%	57%
Israel	9 174 520	0.00	0	-	12	9	1	2	-	1	0	100%	64%	Nov-23	100%	-	83%	92%
Italy	58 870 763	0.25	15	0	27	24	1	2	37	12	0	100%	91%	Nov-23	95%	0.1	78%	0%
Kazakhstan	19 606 634	0.21	4	0	13677	12770	609	298	-	-	0	100%	55%	Nov-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	3.47	23	0	5441	1660	2396	1385	940	4	7	100%	100%	Nov-23	52%	14.0	0%	93%
Latvia	1 830 212	0.00	0	-	1	1	0	0	-	1	0	100%	91%	Nov-23	100%	-	100%	100%
Lithuania	2 718 352	0.00	0	-	3	3	0	0	-	1	0	100%	82%	Nov-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Nov-23	-	0.0	-	-
Malta	535 065	0.00	0	-	0	0	0	0	-	-	-	100%	82%	Nov-23	-	-	-	-
Monaco	36 298	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Nov-23	-	0.0	-	-
Montenegro	626 485	0.00	0	-	0	0	0	0	7	-	-	100%	100%	Nov-23	100%	1.1	-	86%
Netherlands (Kingdom of the)	17 618 299	0.34	6	0	7	6	1	0	-	3	0	100%	91%	Nov-23	100%	-	100%	0%
North Macedonia	2 085 679	0.00	0	-	1	1	0	0	0	0	0	100%	91%	Nov-23	100%	0.0	0	100%
Norway	5 474 360	0.18	1	0	2	2	0	0	-	1	0	100%	100%	Nov-23	100%	-	50%	100%
Poland	41 026 068	0.88	35	0	24	14	0	10	-	1	0	100%	91%	Nov-23	67%	-	100%	83%
Portugal	10 247 605	0.00	0	-	1	0	0	1	7	0	0	100%	100%	Nov-23	100%	0.1	0	88%
Republic of Moldova	3 435 931	0.00	0	-	2	2	0	0	97	2	0	100%	100%	Nov-23	100%	2.8	100%	99%
Romania	19 892 812	0.56	11	0	1710	1050	636	24	-	6	0	100%	64%	Nov-23	100%	-	100%	39%
Russian Federation	144 444 359	0.81	117	0	10643	10439	147	57	6385	234	0	100%	100%	Nov-23	100%	4.4	100%	44%
San Marino	33 642	0.00	0	-	0	0	0	0	0	-	-	100%	82%	Nov-23	-	0.0	-	-
Serbia ⁷	7 149 077	0.00	0	-	52	47	1	4	149	0	0	100%	91%	Nov-23	100%	2.1	92%	100%
Slovakia	5 795 199	0.00	0	-	6	6	0	0	3	2	0	100%	91%	Nov-23	89%	0.1	100%	100%
Slovenia	2 119 675	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Nov-23	-	-	-	-
Spain	47 519 628	0.02	1	0	12	9	0	3	43	6	0	100%	100%	Nov-23	96%	0.1	83%	82%
Sweden	10 612 086	0.38	4	0	11	11	0	0	-	6	0	91%	91%	Oct-23	100%	-	91%	27%
Switzerland	8 796 669	0.11	1	0	37	34	3	0	138	13	0	100%	100%	Nov-23	100%	1.6	95%	26%
Tajikistan	10 143 543	45.31	451	0	293	248	45	0	327	292	0	100%	45%	Nov-23	100%	3.2	100%	100%
Türkiye ⁷	85 816 199	1.50	128	0	4559	4546	2	11	6485	63	0	91%	18%	Oct-23	100%	7.6	79%	99%
Turkmenistan ⁷	6 516 100	0.00	0	-	0	0	0	0	129	-	-	100%	100%	Nov-23	100%	2.0	-	100%
Ukraine	36 744 634	0.28	11	0	55	48	0	7	151	0	0	100%	100%	Nov-23	100%	0.4	100%	100%
United Kingdom	67 736 802	0.74	50	0	182	182	0	0	-	28	0	100%	55%	Nov-23	100%	-	84%	0%
Uzbekistan	35 163 944	0.23	8	0	1026	1012	0	14	434	3	0	100%	73%	Nov-23	100%	1.2	1%	99%
Region	931 558 283	1.01	942	0	42207	33737	4800	3670	17048	1147	9	99%	85%		90%	3.2	67%	70%

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.

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

² All confirmed measles cases regardless of origin.

³ Unless specified as laboratory confirmed or epi-linked, cases are classified as clinically compatible.

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

⁵ 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.

⁶ Surveillance indicators can not be calculated for Member States submitting aggregate data.

⁷ Country classifies discard cases as "discarded, not measles, not rubella".

Table 4: Rubella classification, reporting and surveillance performance, January—November 2023 (data as of 10 January 2024)

Country	Total Population in 2023 ¹	2022 (as of 10 January 2024)		2023												
		Incidence Rate (per 1 million population)	Total rubella cases ²	Total rubella cases ²	Classification			Discarded rubella	Imported cases	Report			Surveillance Indicators ⁶			
					Lab confirmed	Epi-Link	Clinically compatible ³			Completeness ⁴	Timeliness ⁴	Month & year of last report	Laboratory investigation rate ⁴	Rate of discarded cases ⁵	Origin of infection ⁴	Timeliness of investigation ⁴
Albania ⁷	2 832 439	0.00	0	1	1	0	0	9	0	100%	91%	Nov-23	90%	0.3	100%	90%
Andorra	80 088	0.00	0	0	0	0	0	0	-	91%	64%	Oct-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Austria	8 958 961	0.00	0	0	0	0	0	-	-	100%	82%	Nov-23	-	-	-	-
Azerbaijan	10 412 652	0.39	4	0	0	0	0	60	-	100%	73%	Nov-23	100%	0.6	-	100%
Belarus ⁷	9 498 238	0.00	0	0	0	0	0	331	-	100%	64%	Nov-23	100%	3.5	-	0%
Belgium ⁸	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.00	0	2	1	0	1	-	-	100%	64%	Nov-23	-	-	-	-
Bulgaria	6 687 717	0.00	0	0	0	0	0	-	-	100%	100%	Nov-23	-	-	-	-
Croatia	4 008 617	0.00	0	0	0	0	0	-	-	91%	64%	Oct-23	-	-	-	-
Cyprus	1 260 138	0.00	0	0	0	0	0	-	-	100%	82%	Nov-23	-	-	-	-
Czechia	10 495 295	0.00	0	0	0	0	0	-	-	100%	91%	Nov-23	-	-	-	-
Denmark ⁸	5 910 913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 322 766	0.00	0	0	0	0	0	65	-	100%	100%	Nov-23	100%	4.9	-	100%
Finland	5 545 475	0.18	1	1	1	0	0	-	0	100%	73%	Nov-23	100%	-	0%	0%
France ⁸	64 756 584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 728 282	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Germany	83 294 633	0.10	8	7	4	0	3	-	0	100%	82%	Nov-23	57%	-	71%	0%
Greece	10 341 277	0.00	0	0	0	0	0	-	-	91%	82%	Oct-23	-	-	-	-
Hungary	10 156 239	0.00	0	0	0	0	0	0	-	100%	91%	Nov-23	-	0.0	-	-
Iceland	375 319	0.00	0	0	0	0	0	-	-	100%	91%	Nov-23	-	-	-	-
Ireland	5 056 935	0.00	0	0	0	0	0	-	-	100%	100%	Nov-23	-	-	-	-
Israel	9 174 520	0.00	0	1	1	0	0	-	0	100%	64%	Nov-23	100%	-	0%	100%
Italy	58 870 763	0.07	4	2	1	0	1	13	0	100%	91%	Nov-23	93%	0.0	100%	0%
Kazakhstan	19 606 634	0.00	0	4	3	1	0	-	-	100%	55%	Nov-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	0.30	2	9	9	0	0	940	1	100%	100%	Nov-23	44%	14.0	11%	93%
Latvia	1 830 212	0.54	1	0	0	0	0	-	-	100%	91%	Nov-23	-	-	-	-
Lithuania	2 718 352	0.36	1	1	1	0	0	-	0	100%	73%	Nov-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Malta	535 065	0.00	0	0	0	0	0	-	-	100%	82%	Nov-23	-	-	-	-
Monaco	36 298	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Montenegro	626 485	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	-	-	100%	91%	Nov-23	-	-	-	-
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	-	100%	91%	Nov-23	-	0.0	-	-
Norway	5 474 360	0.00	0	0	0	0	0	-	-	100%	100%	Nov-23	-	-	-	-
Poland	41 026 068	3.69	147	234	10	3	221	-	-	100%	82%	Nov-23	-	-	-	-
Portugal	10 247 605	0.00	0	0	0	0	0	4	-	100%	100%	Nov-23	100%	0.0	-	0%
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
Romania	19 892 812	0.00	0	1	1	0	0	-	1	91%	64%	Oct-23	100%	-	100%	100%
Russian Federation	144 444 359	0.00	0	0	0	0	0	0	-	100%	100%	Nov-23	-	0.0	-	-
San Marino	33 642	0.00	0	0	0	0	0	0	-	100%	82%	Nov-23	-	0.0	-	-
Serbia ⁷	7 149 077	-	-	0	0	0	0	149	-	100%	91%	Nov-23	99%	2.1	-	98%
Slovakia	5 795 199	0.00	0	0	0	0	0	0	-	100%	91%	Nov-23	-	0.0	-	-
Slovenia	2 119 675	0.00	0	0	0	0	0	-	-	100%	100%	Nov-23	-	-	-	-
Spain	47 519 628	0.00	0	0	0	0	0	6	-	100%	100%	Nov-23	100%	0.0	-	67%
Sweden	10 612 086	0.00	0	0	0	0	0	0	-	91%	91%	Oct-23	-	0.0	-	-
Switzerland	8 796 669	0.00	0	2	0	0	2	45	0	100%	100%	Nov-23	100%	0.5	0%	28%
Tajikistan	10 143 543	0.00	0	9	9	0	0	0	7	100%	45%	Nov-23	100%	0.0	100%	100%
Türkiye ⁷	85 816 199	0.47	40	57	57	0	0	6485	0	91%	18%	Oct-23	100%	7.6	95%	99%
Turkmenistan ⁷	6 516 100	0.00	0	0	0	0	0	129	-	100%	100%	Nov-23	100%	2.0	-	100%
Ukraine	36 744 634	0.23	9	9	4	0	5	72	0	100%	100%	Nov-23	100%	0.2	89%	100%
United Kingdom	67 736 802	0.00	0	0	0	0	0	-	-	100%	55%	Nov-23	-	-	-	-
Uzbekistan	35 163 944	0.00	0	2	2	0	0	0	0	100%	73%	Nov-23	100%	0.0	0%	100%
Region	931 558 283	0.23	217	342	105	4	233	8308	9	93%	80%		94%	1.6	80%	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.

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

Table 5: Measles and rubella laboratory test results, January—November 2023 (data as of 10 January 2024)

Country	Measles				Rubella				Report ¹		
	Total specimens tested ¹	Positive for measles (%) ¹	Genotypes reported to MeaNS ²	Sequencing reported within 60 days ²	Total specimens tested ¹	Positive for rubella (%) ¹	Genotypes reported to RubeNS ³	Sequencing reported within 60 days ³	Completeness ⁴	Timeliness ⁴	Month of last report
Albania	13	3 (23)	-	-	1	1 (100)	-	-	100%	73%	Nov-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	1662	127 (8)	B3,D8	99%	4713	0 (0)	-	-	91%	73%	Nov-23
Azerbaijan	404	256 (63)	-	-	58	0 (0)	-	-	100%	100%	Nov-23
Belarus	-	-	D8	23%	-	-	-	-	-	-	No report
Belgium	40	8 (20)	B3,D8	93%	9	0 (0)	-	-	18%	18%	Aug-23
Bosnia and Herzegovina	17	1 (6)	-	-	13	1 (8)	-	-	45%	45%	Aug-23
Bulgaria	38	0 (0)	-	-	38	0 (0)	-	-	100%	55%	Nov-23
Croatia	4	0 (0)	D8	100%	0	-	-	-	45%	45%	May-23
Cyprus	65	0 (0)	-	-	126	0 (0)	-	-	100%	73%	Nov-23
Czechia	36	9 (25)	-	-	68	2 (3)	-	-	100%	100%	Nov-23
Denmark	510	28 (5)	B3,D8	100%	52	9 (17)	-	-	100%	100%	Nov-23
Estonia	95	10 (11)	B3,D8	100%	4	0 (0)	-	-	100%	100%	Nov-23
Finland	27	3 (11)	D8	100%	17	0 (0)	-	-	100%	100%	Nov-23
France	-	-	B3,D8	55%	-	-	-	-	-	-	No report
Georgia	54	19 (35)	B3,D8	67%	43	0 (0)	-	-	73%	55%	Aug-23
Germany	438	121 (28)	B3,D8	93%	281	5 (2)	-	-	100%	82%	Nov-23
Greece	-	-	D8	0%	-	-	-	-	-	-	No report
Hungary	119	7 (6)	D8	100%	101	0 (0)	-	-	100%	100%	Nov-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	585	7 (1)	B3	100%	2192	8 (0)	-	-	100%	100%	Nov-23
Israel	261	50 (19)	B3	100%	624	218 (35)	-	-	100%	82%	Nov-23
Italy	194	47 (24)	D8	50%	19	0 (0)	-	-	100%	100%	Nov-23
Kazakhstan	13622	11711 (86)	B3,D8	48%	646	3 (0)	-	-	91%	82%	Oct-23
Kyrgyzstan	3970	2014 (51)	-	-	2377	10 (0)	-	-	100%	91%	Nov-23
Latvia	153	4 (3)	D8	100%	95	2 (2)	-	-	100%	100%	Nov-23
Lithuania	73	8 (11)	-	-	72	3 (4)	-	-	100%	100%	Nov-23
Luxembourg	33	0 (0)	D8	50%	0	-	-	-	100%	91%	Nov-23
Malta	39	4 (10)	-	-	828	7 (1)	-	-	91%	27%	Oct-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands (Kingdom of the)	31	5 (16)	B3,D8	100%	11	0 (0)	-	-	100%	100%	Nov-23
North Macedonia	55	6 (11)	-	-	4	3 (75)	-	-	100%	45%	Nov-23
Norway	7	6 (86)	D8	100%	1	1 (100)	-	-	100%	100%	Nov-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	19	0 (0)	-	-	2	0 (0)	-	-	100%	64%	Nov-23
Republic of Moldova	98	2 (2)	-	-	98	0 (0)	-	-	91%	91%	Nov-23
Romania	2170	1877 (86)	D8	92%	202	1 (0)	-	-	100%	100%	Nov-23
Russian Federation	21507	11853 (55)	B3,D8	24%	18762	273 (1)	-	-	100%	100%	Nov-23
San Marino											No lab
Serbia	258	56 (22)	B3	100%	256	1 (0)	-	-	100%	100%	Nov-23
Slovakia	39	10 (26)	-	-	28	0 (0)	-	-	100%	100%	Nov-23
Slovenia	49	2 (4)	D8	100%	18	0 (0)	-	-	91%	82%	Oct-23
Spain	-	-	B3,D8	57%	-	-	-	-	-	-	No report
Sweden	1245	42 (3)	B3,D8	100%	1835	20 (1)	-	-	100%	100%	Nov-23
Switzerland	195	64 (33)	B3,D8	100%	4	3 (75)	-	-	100%	100%	Nov-23
Tajikistan	320	193 (60)	-	-	290	0 (0)	-	-	27%	27%	Mar-23
Türkiye	7662	1266 (17)	-	-	5128	95 (2)	-	-	100%	27%	Nov-23
Turkmenistan	124	0 (0)	-	-	124	1 (1)	-	-	100%	100%	Nov-23
Ukraine	97	15 (15)	-	-	80	3 (4)	-	-	100%	100%	Nov-23
United Kingdom	1537	203 (13)	B3,D8	96%	92	0 (0)	-	-	73%	73%	Nov-23
Uzbekistan	800	540 (68)	-	-	800	3 (0)	-	-	82%	73%	Sep-23
Region	58665	30577 (52)	-	66%	40112	673 (2)	-	-	72%	64%	

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

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

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

⁴ 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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