

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 January—December 2023 (data as of 09 February 2024)

Country	Total Population in 2023 ¹	Incidence Rate January-December 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	
Albania	2 832 439	1.06	3	0	3	0	0	0	0	0	0	0	0	0	0	Dec-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Armenia	2 777 971	199.43	554	0	11	88	48	66	86	83	43	38	30	32	29	Dec-23
Austria	8 958 961	20.76	186	1	49	54	15	2	13	17	5	1	0	17	12	Dec-23
Azerbaijan	10 412 652	1319.07	13735	7	2	2	1	2	0	1	15	49	186	2126	11344	Dec-23
Belarus	9 498 238	19.79	188	0	1	0	13	5	10	11	8	0	1	80	59	Dec-23
Belgium	11 686 140	6.59	77	0	0	1	5	7	10	1	5	5	3	33	7	Dec-23
Bosnia and Herzegovina	3 210 848	3.11	10	0	2	0	0	0	0	0	0	0	0	0	8	Dec-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Croatia	4 008 617	0.75	3	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	Dec-23
Czechia	10 495 295	0.10	1	0	0	0	0	0	0	0	0	0	0	1	0	Dec-23
Denmark	5 910 913	1.52	9	0	0	1	0	0	0	1	6	0	0	1	0	Dec-23
Estonia	1 322 766	3.02	4	1	0	1	0	1	0	0	0	1	0	0	0	Dec-23
Finland	5 545 475	0.18	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-23
France	64 756 584	1.82	118	4	2	4	1	0	8	4	4	43	37	6	5	Dec-23
Georgia	3 728 282	9.92	37	2	0	4	1	1	0	5	2	5	8	1	8	Dec-23
Germany	83 294 633	0.97	81	1	1	4	9	7	3	8	12	4	12	12	8	Dec-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Hungary	10 156 239	0.10	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Ireland	5 056 935	1.38	7	0	0	0	0	0	0	1	4	2	0	0	-	Nov-23
Israel	9 174 520	1.96	18	0	0	0	0	1	0	1	0	6	4	0	6	Dec-23
Italy	58 870 763	0.46	27	1	1	2	1	1	1	1	3	8	2	6	-	Nov-23
Kazakhstan	19 606 634	770.71	15111	0	7	109	153	600	1047	965	1564	3303	4556	1373	1434	Dec-23
Kyrgyzstan	6 735 348	1045.83	7044	4	6	81	257	418	501	583	388	602	1290	1646	1268	Dec-23
Latvia	1 830 212	0.55	1	0	0	0	1	0	0	0	0	0	0	0	0	Dec-23
Lithuania	2 718 352	1.47	4	0	0	0	0	0	0	0	0	0	2	1	1	Dec-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Netherlands (Kingdom of the)	17 618 299	0.40	7	0	0	0	0	0	0	2	1	0	3	1	0	Dec-23
North Macedonia	2 085 679	0.48	1	0	0	1	0	0	0	0	0	0	0	0	0	Dec-23
Norway	5 474 360	0.37	2	0	0	0	0	0	0	0	2	0	0	0	0	Dec-23
Poland	41 026 068	0.71	29	1	0	1	3	9	2	0	3	0	1	7	2	Dec-23
Portugal	10 247 605	0.10	1	1	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Republic of Moldova	3 435 931	0.87	3	0	0	0	0	1	0	0	0	0	0	1	1	Dec-23
Romania	19 892 812	88.12	1753	5	16	50	68	77	66	170	270	225	455	308	43	Dec-23
Russian Federation	144 444 359	88.08	12723	196	409	602	929	1424	1443	1439	1228	977	1108	1586	1382	Dec-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Serbia	7 149 077	7.27	52	25	16	7	3	0	0	1	0	0	0	0	0	Dec-23
Slovakia	5 795 199	1.04	6	2	1	0	3	0	0	0	0	0	0	0	0	Dec-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Spain	47 519 628	0.27	13	1	1	0	0	1	0	0	1	4	2	2	1	Dec-23
Sweden	10 612 086	1.04	11	0	0	1	2	1	0	2	5	0	0	0	0	Dec-23
Switzerland	8 796 669	4.21	37	4	1	0	4	15	5	0	1	0	3	4	0	Dec-23
Tajikistan	10 143 543	28.98	294	76	129	66	0	2	6	11	4	0	0	0	0	Dec-23
Türkiye	85 816 199	53.13	4559	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	Dec-23
Ukraine	36 744 634	1.77	65	1	2	7	7	3	4	9	10	5	4	5	8	Dec-23
United Kingdom	67 736 802	3.41	231	12	9	14	28	33	22	12	5	8	16	29	43	Dec-23
Uzbekistan	35 163 944	31.48	1107	0	8	27	4	48	38	103	142	188	314	157	78	Dec-23
Region	931 558 283	62.38	58114	538	1017	1574	2063	3363	4141	4133	4116	5741	8245	7436	15747	

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 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 January—December 2023 (data as of 09 February 2024)

Country	Total Population in 2023 ¹	Incidence Rate January–December 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	
Albania	2 832 439	0.35	1	1	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Armenia	2 777 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Austria	8 958 961	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Azerbaijan	10 412 652	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Belarus	9 498 238	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Belgium ²	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.62	2	0	1	0	0	0	0	1	0	0	0	0	0	Dec-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Czechia	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-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	Dec-23
Finland	5 545 475	0.18	1	0	0	1	0	0	0	0	0	0	0	0	0	Dec-23
France	64 756 584	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Georgia	3 728 282	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Germany	83 294 633	0.10	8	0	1	1	0	0	0	0	2	3	0	0	1	Dec-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Hungary	10 156 239	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Ireland	5 056 935	0.00	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	1	0	Dec-23
Italy	58 870 763	0.03	2	1	0	1	0	0	0	0	0	0	0	0	-	Nov-23
Kazakhstan	19 606 634	0.36	7	0	0	1	3	0	0	0	0	0	0	0	3	Dec-23
Kyrgyzstan	6 735 348	1.63	11	2	3	2	3	0	0	0	0	0	0	0	1	Dec-23
Latvia	1 830 212	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Lithuania	2 718 352	0.37	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Norway	5 474 360	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Poland	41 026 068	6.41	263	20	13	22	29	22	27	20	26	20	19	18	27	Dec-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Romania	19 892 812	0.05	1	0	0	0	0	0	0	1	0	0	0	0	0	Dec-23
Russian Federation	144 444 359	0.02	3	0	0	0	0	0	0	0	0	1	2	0	0	Dec-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Serbia	7 149 077	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Slovakia	5 795 199	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Spain	47 519 628	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Sweden	10 612 086	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Switzerland	8 796 669	0.11	1	0	0	0	0	0	0	0	0	1	0	0	0	Dec-23
Tajikistan	10 143 543	0.99	10	0	3	1	2	3	0	1	0	0	0	0	0	Dec-23
Türkiye	85 816 199	0.66	57	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	Dec-23
Ukraine	36 744 634	0.30	11	0	1	0	1	0	2	0	1	2	1	2	1	Dec-23
United Kingdom	67 736 802	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-23
Uzbekistan	35 163 944	0.06	2	0	0	0	0	2	0	0	0	0	0	0	0	Dec-23
Region	931 558 283	0.41	382	29	28	37	40	30	43	33	35	28	25	21	33	

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—December 2023 (data as of 09 February 2024)

Country	Total Population in 2023 ¹	2022 (as of 09 February 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%	92%	Dec-23	100%	0.3	100%	100%
Andorra	80 088	0.00	0	-	0	0	0	0	0	-	-	100%	58%	Dec-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	-	554	545	9	0	925	403	1	100%	100%	Dec-23	100%	33.3	100%	100%
Austria	8 958 961	0.11	1	0	186	186	0	0	29	8	0	100%	83%	Dec-23	91%	0.3	97%	0%
Azerbaijan	10 412 652	0.10	1	0	13735	1429	5466	6840	3819	57	0	100%	67%	Dec-23	5%	36.7	61%	80%
Belarus ⁷	9 498 238	0.00	0	-	188	188	0	0	416	0	0	100%	67%	Dec-23	100%	4.4	0%	0%
Belgium	11 686 140	1.46	17	0	77	51	13	13	-	-	0	100%	92%	Dec-23	-	-	-	-
Bosnia and Herzegovina	3 210 848	1.86	6	0	10	8	0	2	-	0	0	100%	67%	Dec-23	80%	-	0	10%
Bulgaria	6 687 717	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Dec-23	-	-	-	-
Croatia	4 008 617	0.00	0	-	3	3	0	0	0	3	0	83%	58%	Nov-23	100%	0.0	100%	0%
Cyprus	1 260 138	0.00	0	-	0	0	0	0	-	-	-	100%	83%	Dec-23	-	-	-	-
Czechia	10 495 295	0.00	0	-	1	1	0	0	-	0	0	100%	92%	Dec-23	100%	-	100%	0%
Denmark	5 910 913	0.00	0	-	9	5	4	0	-	3	0	100%	83%	Dec-23	100%	-	78%	0%
Estonia	1 322 766	0.00	0	-	4	4	0	0	264	4	0	100%	100%	Dec-23	100%	20.0	100%	100%
Finland	5 545 475	0.18	1	0	1	1	0	0	-	1	0	100%	75%	Dec-23	100%	-	100%	0%
France	64 756 584	0.29	19	0	118	101	8	9	-	31	0	100%	100%	Dec-23	97%	-	93%	0%
Georgia	3 728 282	3.20	12	0	37	36	0	1	44	12	0	100%	92%	Dec-23	99%	1.2	89%	94%
Germany	83 294 633	0.18	15	0	81	73	3	5	-	30	0	100%	92%	Dec-23	94%	-	79%	0%
Greece	10 341 277	0.00	0	-	0	0	0	0	0	-	-	100%	83%	Dec-23	-	0.0	-	-
Hungary	10 156 239	0.00	0	-	1	1	0	0	4	1	0	100%	100%	Dec-23	100%	0.0	100%	20%
Iceland	375 319	0.00	0	-	0	0	0	0	-	-	-	100%	92%	Dec-23	-	-	-	-
Ireland	5 056 935	0.40	2	0	7	1	3	3	-	2	0	92%	83%	Nov-23	25%	-	71%	57%
Israel	9 174 520	0.00	0	-	18	15	1	2	-	3	0	100%	67%	Dec-23	100%	-	83%	94%
Italy	58 870 763	0.25	15	0	27	24	1	2	37	12	0	92%	83%	Nov-23	95%	0.1	78%	0%
Kazakhstan	19 606 634	0.21	4	0	15111	14087	688	336	-	-	0	100%	50%	Dec-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	3.47	23	0	7044	1933	3181	1930	1122	4	9	100%	92%	Dec-23	48%	16.7	0%	93%
Latvia	1 830 212	0.00	0	-	1	1	0	0	-	1	0	100%	92%	Dec-23	100%	-	100%	100%
Lithuania	2 718 352	0.00	0	-	4	4	0	0	-	1	0	100%	83%	Dec-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-23	-	0.0	-	-
Malta	535 065	0.00	0	-	0	0	0	0	-	-	-	100%	83%	Dec-23	-	-	-	-
Monaco	36 298	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-23	-	0.0	-	-
Montenegro	626 485	0.00	0	-	0	0	0	0	7	-	-	100%	100%	Dec-23	100%	1.1	-	86%
Netherlands (Kingdom of the)	17 618 299	0.34	6	0	7	6	1	0	-	3	0	100%	92%	Dec-23	100%	-	100%	0%
North Macedonia	2 085 679	0.00	0	-	1	1	0	0	0	0	0	100%	92%	Dec-23	100%	0.0	0	100%
Norway	5 474 360	0.18	1	0	2	2	0	0	-	1	0	100%	100%	Dec-23	100%	-	50%	100%
Poland	41 026 068	0.88	35	0	29	16	0	13	-	1	0	100%	92%	Dec-23	62%	-	100%	83%
Portugal	10 247 605	0.00	0	-	1	0	0	1	8	0	0	100%	100%	Dec-23	100%	0.1	0	89%
Republic of Moldova	3 435 931	0.00	0	-	3	3	0	0	101	2	0	100%	100%	Dec-23	100%	2.9	100%	99%
Romania	19 892 812	0.56	11	0	1753	1076	651	26	-	6	0	100%	67%	Dec-23	100%	-	100%	39%
Russian Federation	144 444 359	0.81	117	0	12723	12428	189	106	7393	290	0	100%	100%	Dec-23	99%	5.1	100%	47%
San Marino	33 642	0.00	0	-	0	0	0	0	0	-	-	100%	83%	Dec-23	-	0.0	-	-
Serbia ⁷	7 149 077	0.00	0	-	52	47	1	4	151	0	0	100%	92%	Dec-23	100%	2.1	92%	100%
Slovakia	5 795 199	0.00	0	-	6	6	0	0	3	2	0	100%	92%	Dec-23	89%	0.1	100%	100%
Slovenia	2 119 675	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Dec-23	-	-	-	-
Spain	47 519 628	0.02	1	0	13	10	0	3	45	6	0	100%	100%	Dec-23	97%	0.1	100%	81%
Sweden	10 612 086	0.38	4	0	11	11	0	0	-	6	0	100%	92%	Dec-23	100%	-	91%	27%
Switzerland	8 796 669	0.11	1	0	37	34	3	0	162	13	0	100%	100%	Dec-23	100%	1.8	95%	24%
Tajikistan	10 143 543	45.31	451	0	294	250	44	0	332	293	0	100%	50%	Dec-23	100%	3.3	100%	100%
Türkiye ⁷	85 816 199	1.50	128	0	4559	4546	2	11	6485	63	0	83%	17%	Oct-23	100%	7.6	79%	99%
Turkmenistan ⁷	6 516 100	0.00	0	-	0	0	0	0	132	-	-	100%	100%	Dec-23	100%	2.0	-	100%
Ukraine	36 744 634	0.28	11	0	65	57	0	8	164	0	0	100%	100%	Dec-23	100%	0.4	100%	100%
United Kingdom	67 736 802	0.74	50	0	231	231	0	0	-	30	0	100%	50%	Dec-23	100%	-	72%	0%
Uzbekistan	35 163 944	0.23	8	0	1107	1093	0	14	477	3	0	100%	67%	Dec-23	100%	1.4	1%	99%
Region	931 558 283	1.01	942	0	58114	38517	10268	9329	22129	1295	10	99%	85%		74%	4.1	66%	73%

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 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—December 2023 (data as of 09 February 2024)

Country	Total Population in 2023 ¹	2022 (as of 09 February 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%	92%	Dec-23	90%	0.3	100%	90%
Andorra	80 088	0.00	0	0	0	0	0	0	-	100%	58%	Dec-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Austria	8 958 961	0.00	0	0	0	0	0	-	-	100%	83%	Dec-23	-	-	-	-
Azerbaijan	10 412 652	0.39	4	0	0	0	0	60	-	100%	67%	Dec-23	100%	0.6	-	100%
Belarus ⁷	9 498 238	0.00	0	0	0	0	0	416	-	100%	67%	Dec-23	100%	4.4	-	0%
Belgium ⁸	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.00	0	2	1	0	1	-	-	100%	67%	Dec-23	-	-	-	-
Bulgaria	6 687 717	0.00	0	0	0	0	0	-	-	100%	100%	Dec-23	-	-	-	-
Croatia	4 008 617	0.00	0	0	0	0	0	-	-	100%	67%	Dec-23	-	-	-	-
Cyprus	1 260 138	0.00	0	0	0	0	0	-	-	100%	83%	Dec-23	-	-	-	-
Czechia	10 495 295	0.00	0	0	0	0	0	-	-	100%	92%	Dec-23	-	-	-	-
Denmark ⁸	5 910 913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 322 766	0.00	0	0	0	0	0	67	-	100%	100%	Dec-23	100%	5.1	-	100%
Finland	5 545 475	0.18	1	1	1	0	0	-	0	100%	75%	Dec-23	100%	-	0%	0%
France	64 756 584	0.00	0	0	0	0	0	-	-	100%	100%	Dec-23	-	-	-	-
Georgia	3 728 282	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Germany	83 294 633	0.10	8	8	5	0	3	-	0	100%	83%	Dec-23	63%	-	75%	0%
Greece	10 341 277	0.00	0	0	0	0	0	-	-	100%	83%	Dec-23	-	-	-	-
Hungary	10 156 239	0.00	0	0	0	0	0	0	-	100%	92%	Dec-23	-	0.0	-	-
Iceland	375 319	0.00	0	0	0	0	0	-	-	100%	92%	Dec-23	-	-	-	-
Ireland	5 056 935	0.00	0	0	0	0	0	-	-	92%	92%	Nov-23	-	-	-	-
Israel	9 174 520	0.00	0	1	1	0	0	-	0	100%	67%	Dec-23	100%	-	0%	100%
Italy	58 870 763	0.07	4	2	1	0	1	13	0	92%	83%	Nov-23	93%	0.0	100%	0%
Kazakhstan	19 606 634	0.00	0	7	6	1	0	-	-	100%	50%	Dec-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	0.30	2	11	11	0	0	1122	1	100%	92%	Dec-23	41%	16.7	9%	92%
Latvia	1 830 212	0.54	1	0	0	0	0	-	-	100%	92%	Dec-23	-	-	-	-
Lithuania	2 718 352	0.36	1	1	1	0	0	-	0	100%	75%	Dec-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Malta	535 065	0.00	0	0	0	0	0	-	-	100%	83%	Dec-23	-	-	-	-
Monaco	36 298	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Montenegro	626 485	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	-	-	100%	92%	Dec-23	-	-	-	-
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	-	100%	92%	Dec-23	-	0.0	-	-
Norway	5 474 360	0.00	0	0	0	0	0	-	-	100%	100%	Dec-23	-	-	-	-
Poland	41 026 068	3.69	147	263	10	3	250	-	-	100%	83%	Dec-23	-	-	-	-
Portugal	10 247 605	0.00	0	0	0	0	0	3	-	100%	100%	Dec-23	100%	0.0	-	0%
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	-	100%	100%	Dec-23	-	0.0	-	-
Romania	19 892 812	0.00	0	1	1	0	0	-	1	100%	67%	Dec-23	100%	-	100%	100%
Russian Federation	144 444 359	0.00	0	3	3	0	0	0	0	100%	100%	Dec-23	100%	0.0	100%	33%
San Marino	33 642	0.00	0	0	0	0	0	0	-	100%	83%	Dec-23	-	0.0	-	-
Serbia ⁷	7 149 077	-	-	0	0	0	0	151	-	100%	92%	Dec-23	99%	2.1	-	98%
Slovakia	5 795 199	0.00	0	0	0	0	0	0	-	100%	92%	Dec-23	-	0.0	-	-
Slovenia	2 119 675	0.00	0	0	0	0	0	-	-	100%	100%	Dec-23	-	-	-	-
Spain	47 519 628	0.00	0	0	0	0	0	6	-	100%	100%	Dec-23	100%	0.0	-	67%
Sweden	10 612 086	0.00	0	0	0	0	0	0	-	100%	92%	Dec-23	-	0.0	-	-
Switzerland	8 796 669	0.00	0	1	0	0	1	48	0	100%	100%	Dec-23	100%	0.5	0%	27%
Tajikistan	10 143 543	0.00	0	10	10	0	0	0	8	100%	50%	Dec-23	100%	0.0	100%	100%
Türkiye ⁷	85 816 199	0.47	40	57	57	0	0	6485	0	83%	17%	Oct-23	100%	7.6	95%	99%
Turkmenistan ⁷	6 516 100	0.00	0	0	0	0	0	132	-	100%	100%	Dec-23	100%	2.0	-	100%
Ukraine	36 744 634	0.23	9	11	5	0	6	75	0	100%	100%	Dec-23	100%	0.2	82%	100%
United Kingdom	67 736 802	0.00	0	0	0	0	0	-	-	100%	50%	Dec-23	-	-	-	-
Uzbekistan	35 163 944	0.00	0	2	2	0	0	0	0	100%	67%	Dec-23	100%	0.0	0%	100%
Region	931 558 283	0.23	217	382	116	4	262	8587	10	96%	81%		92%	1.6	80%	93%

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—December 2023 (data as of 09 February 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%	75%	Dec-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	1814	140 (8)	B3,D8	98%	4713	0 (0)	-	-	92%	67%	Dec-23
Azerbaijan	516	353 (68)	-	-	58	0 (0)	-	-	100%	92%	Dec-23
Belarus	-	-	D8	23%	-	-	-	-	-	-	No report
Belgium	40	8 (20)	B3,D8	100%	9	0 (0)	-	-	17%	17%	Aug-23
Bosnia and Herzegovina	21	2 (10)	D8	100%	17	1 (6)	-	-	58%	58%	Aug-23
Bulgaria	40	0 (0)	-	-	40	0 (0)	-	-	100%	50%	Dec-23
Croatia	4	0 (0)	D8	33%	0	-	-	-	42%	42%	May-23
Cyprus	72	0 (0)	-	-	136	0 (0)	-	-	100%	67%	Dec-23
Czechia	41	10 (24)	-	-	73	2 (3)	-	-	100%	100%	Dec-23
Denmark	540	29 (5)	B3,D8	100%	54	9 (17)	-	-	100%	100%	Dec-23
Estonia	100	10 (10)	B3,D8	100%	6	0 (0)	-	-	100%	92%	Dec-23
Finland	30	3 (10)	D8	100%	21	0 (0)	-	-	100%	92%	Dec-23
France	-	-	B3,D8	56%	-	-	-	-	-	-	No report
Georgia	54	19 (35)	B3,D8	40%	43	0 (0)	-	-	67%	50%	Aug-23
Germany	465	130 (28)	B3,D8	90%	303	5 (2)	-	-	100%	83%	Dec-23
Greece	-	-	D8	0%	-	-	-	-	-	-	No report
Hungary	137	7 (5)	D8	100%	119	0 (0)	-	-	100%	92%	Dec-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	664	7 (1)	B3	50%	2384	9 (0)	-	-	100%	92%	Dec-23
Israel	311	55 (18)	B3	100%	721	229 (32)	-	-	100%	75%	Dec-23
Italy	211	50 (24)	B3,D8	82%	21	0 (0)	-	-	100%	92%	Dec-23
Kazakhstan	16125	14088 (87)	B3,D8	51%	649	6 (1)	-	-	100%	75%	Dec-23
Kyrgyzstan	4891	2376 (49)	-	-	2824	11 (0)	-	-	100%	83%	Dec-23
Latvia	174	6 (3)	D8	100%	108	2 (2)	-	-	100%	92%	Dec-23
Lithuania	81	9 (11)	-	-	80	4 (5)	-	-	100%	92%	Dec-23
Luxembourg	34	0 (0)	D8	50%	0	-	-	-	100%	83%	Dec-23
Malta	44	6 (14)	-	-	957	7 (1)	-	-	100%	25%	Dec-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands (Kingdom of the)	33	5 (15)	B3,D8	100%	11	0 (0)	-	-	100%	100%	Dec-23
North Macedonia	55	6 (11)	-	-	4	3 (75)	-	-	100%	42%	Dec-23
Norway	7	6 (86)	D8	100%	1	1 (100)	-	-	100%	92%	Dec-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	22	0 (0)	-	-	2	0 (0)	-	-	100%	67%	Dec-23
Republic of Moldova	103	2 (2)	-	-	103	0 (0)	-	-	92%	83%	Dec-23
Romania	3223	2834 (88)	B3,D8	96%	318	1 (0)	-	-	100%	92%	Dec-23
Russian Federation	27106	14128 (52)	B3,D8	20%	24361	285 (1)	-	-	100%	92%	Dec-23
San Marino											No lab
Serbia	261	56 (21)	B3	100%	259	1 (0)	-	-	100%	100%	Dec-23
Slovakia	40	11 (28)	-	-	28	0 (0)	-	-	100%	92%	Dec-23
Slovenia	49	2 (4)	D8	100%	18	0 (0)	-	-	83%	75%	Oct-23
Spain	-	-	B3,D8	77%	-	-	-	-	-	-	No report
Sweden	1311	42 (3)	B3,D8	100%	1990	21 (1)	-	-	100%	92%	Dec-23
Switzerland	222	65 (29)	B3,D8	100%	3	2 (67)	-	-	100%	92%	Dec-23
Tajikistan	556	235 (42)	-	-	525	0 (0)	-	-	100%	100%	Dec-23
Türkiye	8425	1336 (16)	-	-	5739	111 (2)	-	-	100%	25%	Dec-23
Turkmenistan	124	0 (0)	-	-	124	1 (1)	-	-	100%	100%	Dec-23
Ukraine	102	19 (19)	-	-	85	3 (4)	-	-	100%	92%	Dec-23
United Kingdom	1946	255 (13)	B3,D8	97%	124	2 (2)	-	-	75%	67%	Dec-23
Uzbekistan	800	540 (68)	-	-	800	3 (0)	-	-	75%	67%	Sep-23
Region	70807	36853 (52)	-	66%	47832	720 (2)	-	-	74%	61%	

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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