

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 August 2022—July 2023 (data as of 01 September 2023)

Country	Total Population in 2023 ¹	Incidence Rate August 2022-July 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	
Albania	2 832 439	1.41	4	0	0	1	0	0	0	3	0	0	0	0	0	Jul-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Armenia	2 777 971	134.27	373	0	0	0	0	0	0	11	87	48	66	85	76	Jul-23
Austria	8 958 961	16.85	151	0	0	0	0	0	1	49	54	15	2	13	17	Jul-23
Azerbaijan	10 412 652	0.38	4	0	0	0	0	0	0	0	0	1	2	0	1	Jul-23
Belarus	9 498 238	3.68	35	0	0	0	0	0	0	1	0	13	5	10	6	Jul-23
Belgium	11 686 140	3.08	36	0	2	2	1	5	0	0	1	5	7	11	2	Jul-23
Bosnia and Herzegovina	3 210 848	1.87	6	0	1	2	0	0	0	2	0	0	1	0	0	Jul-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Czech Republic	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Denmark	5 910 913	0.34	2	0	0	0	0	0	0	0	1	0	0	0	1	Jul-23
Estonia	1 322 766	2.27	3	0	0	0	0	0	1	0	1	0	1	0	0	Jul-23
Finland	5 545 475	0.36	2	0	1	0	0	0	0	0	0	0	0	0	1	Jul-23
France	64 756 584	0.40	26	2	2	2	0	0	3	1	5	2	0	7	2	Jul-23
Georgia	3 728 282	4.29	16	0	0	3	0	0	2	0	4	1	1	0	5	Jul-23
Germany	83 294 633	0.38	32	1	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	Jul-23
Hungary	10 156 239	0.10	1	0	0	0	0	0	0	0	0	0	0	0	1	Jul-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Ireland	5 056 935	0.20	1	0	0	0	1	0	0	0	0	0	0	0	0	Jul-23
Israel	9 174 520	0.22	2	0	0	0	0	0	0	0	0	0	1	0	1	Jul-23
Italy	58 870 763	0.41	24	0	3	7	3	1	1	1	3	1	1	1	2	Jul-23
Kazakhstan	19 606 634	147.14	2885	3	1	0	0	-	0	7	109	153	600	1047	965	Jul-23
Kyrgyzstan	6 735 348	228.05	1536	0	1	1	0	11	4	6	78	240	253	464	478	Jul-23
Latvia	1 830 212	0.55	1	0	0	0	0	0	0	0	0	1	0	0	0	Jul-23
Lithuania	2 718 352	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Malta	535 065	0.00	0	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	Jul-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Netherlands (Kingdom of the)	17 618 299	0.45	8	1	0	0	5	0	0	0	0	0	0	0	2	Jul-23
North Macedonia	2 085 679	0.48	1	0	0	0	0	0	0	0	1	0	0	0	0	Jul-23
Norway	5 474 360	0.18	1	1	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Poland	41 026 068	0.83	34	2	3	2	4	6	1	0	1	3	10	2	0	Jul-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Republic of Moldova	3 435 931	0.29	1	0	0	0	0	0	0	0	0	0	1	0	0	Jul-23
Romania	19 892 812	20.46	407	0	0	0	0	4	5	16	52	68	77	66	119	Jul-23
Russian Federation	144 444 359	20.20	2918	6	3	6	14	67	183	323	453	498	536	457	372	Jul-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Serbia	7 149 077	7.27	52	0	0	0	0	0	25	16	7	3	0	0	1	Jul-23
Slovakia	5 795 199	1.04	6	0	0	0	0	0	2	1	0	3	0	0	-	Jun-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Spain	47 519 628	0.08	4	0	0	0	0	1	1	1	0	0	1	0	0	Jul-23
Sweden	10 612 086	0.57	6	0	0	0	0	0	0	0	1	2	1	0	2	Jul-23
Switzerland	8 796 669	3.41	30	0	0	0	0	1	4	1	0	4	15	5	0	Jul-23
Tajikistan	10 143 543	64.18	651	33	48	47	33	17	76	127	97	79	51	19	24	Jul-23
Türkiye	85 816 199	34.66	2974	6	9	16	17	25	193	340	445	506	635	782	-	Jun-23
Turkmenistan	6 516 100	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Ukraine	36 744 634	0.98	36	0	0	0	3	2	1	2	8	7	3	4	6	Jul-23
United Kingdom	67 736 802	2.05	139	3	1	4	1	1	12	9	14	28	35	22	9	Jul-23
Uzbekistan	35 163 944	6.48	228	0	0	0	0	0	0	8	26	4	48	38	104	Jul-23
Region	931 558 283	13.56	12636	58	75	94	84	142	516	926	1452	1694	2360	3036	2199	

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 August 2022—July 2023 (data as of 01 September 2023)

Country	Total Population in 2023 ¹	Incidence Rate August 2022–July 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	
Albania	2 832 439	0.35	1	0	0	0	0	0	1	0	0	0	0	0	0	Jul-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Armenia	2 777 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Austria	8 958 961	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Azerbaijan	10 412 652	0.10	1	0	1	0	0	0	0	0	0	0	0	0	0	Jul-23
Belarus	9 498 238	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Belgium ²	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.62	2	0	0	0	0	0	0	1	0	0	0	0	1	Jul-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Czech Republic	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-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	Jul-23
Finland	5 545 475	0.18	1	0	0	0	0	0	0	0	1	0	0	0	0	Jul-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	Jul-23
Germany	83 294 633	0.06	5	1	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	Jul-23
Hungary	10 156 239	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Ireland	5 056 935	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Israel	9 174 520	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Italy	58 870 763	0.24	14	1	3	1	0	1	2	0	3	0	0	2	1	Jul-23
Kazakhstan	19 606 634	0.20	4	0	0	0	0	-	0	0	1	3	0	0	0	Jul-23
Kyrgyzstan	6 735 348	1.63	11	0	0	1	0	1	2	3	1	3	0	0	0	Jul-23
Latvia	1 830 212	0.55	1	0	0	1	0	0	0	0	0	0	0	0	0	Jul-23
Lithuania	2 718 352	0.74	2	0	0	0	1	0	0	0	0	0	0	0	1	Jul-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Malta	535 065	0.00	0	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	Jul-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Norway	5 474 360	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Poland	41 026 068	5.78	237	13	11	20	14	22	20	13	23	28	23	27	23	Jul-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Romania	19 892 812	0.05	1	0	0	0	0	0	0	0	0	0	0	0	1	Jul-23
Russian Federation	144 444 359	0.01	2	0	0	0	0	0	0	0	1	0	0	1	0	Jul-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Serbia	7 149 077	0.00	0	-	-	-	-	-	0	0	0	0	0	0	0	Jul-23
Slovakia	5 795 199	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Jun-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Spain	47 519 628	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Sweden	10 612 086	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Switzerland	8 796 669	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Tajikistan	10 143 543	0.79	8	0	0	0	0	0	0	0	2	2	3	0	1	Jul-23
Türkiye	85 816 199	0.56	48	0	1	3	5	5	5	6	8	2	3	10	-	Jun-23
Turkmenistan	6 516 100	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Ukraine	36 744 634	0.19	7	1	0	1	1	0	0	1	0	1	0	2	0	Jul-23
United Kingdom	67 736 802	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Jul-23
Uzbekistan	35 163 944	0.06	2	0	0	0	0	0	0	0	0	0	2	0	0	Jul-23
Region	931 558 283	0.37	347	16	17	27	21	30	30	25	41	39	31	42	28	

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—July 2023 (data as of 01 September 2023)

Country	Total Population in 2023 ¹	2022 (as of 01 September 2023)			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	6	0	0	100%	86%	Jul-23	100%	0.2	100%	100%
Andorra	80 088	0.00	0	-	0	0	0	0	0	-	-	100%	57%	Jul-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	-	373	365	8	0	658	263	0	100%	100%	Jul-23	100%	23.7	99%	100%
Austria	8 958 961	0.11	1	0	151	150	1	0	28	3	0	100%	86%	Jul-23	90%	0.3	97%	0%
Azerbaijan	10 412 652	0.10	1	0	4	4	0	0	84	1	0	100%	71%	Jul-23	100%	0.8	100%	100%
Belarus ⁷	9 498 238	0.00	0	-	35	35	0	0	239	0	0	100%	86%	Jul-23	100%	2.5	0%	0%
Belgium	11 686 140	1.46	17	0	26	19	3	4	-	-	0	100%	86%	Jul-23	-	-	-	-
Bosnia and Herzegovina	3 210 848	1.86	6	0	3	1	0	2	-	-	0	100%	86%	Jul-23	-	-	-	-
Bulgaria	6 687 717	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Jul-23	-	-	-	-
Croatia	4 008 617	0.00	0	-	0	0	0	0	0	-	-	100%	71%	Jul-23	-	0.0	-	-
Cyprus	1 260 138	0.00	0	-	0	0	0	0	-	-	-	100%	71%	Jul-23	-	-	-	-
Czech Republic	10 495 295	0.00	0	-	0	0	0	0	-	-	-	100%	86%	Jul-23	-	-	-	-
Denmark	5 910 913	0.00	0	-	2	2	0	0	-	0	0	100%	86%	Jul-23	100%	-	0	0%
Estonia	1 322 766	0.00	0	-	3	3	0	0	131	3	0	100%	100%	Jul-23	100%	9.9	100%	100%
Finland	5 545 475	0.18	1	0	1	1	0	0	-	1	0	100%	57%	Jul-23	100%	-	100%	0%
France	64 756 584	0.29	19	0	20	15	1	4	-	10	0	100%	100%	Jul-23	100%	-	100%	0%
Georgia	3 728 282	3.20	12	0	13	12	0	1	25	4	0	100%	86%	Jul-23	97%	0.7	69%	95%
Germany	83 294 633	0.18	15	0	27	25	0	2	-	8	0	100%	100%	Jul-23	93%	-	85%	0%
Greece	10 341 277	0.00	0	-	0	0	0	0	0	-	-	100%	86%	Jul-23	-	0.0	-	-
Hungary	10 156 239	0.00	0	-	1	1	0	0	4	1	0	100%	100%	Jul-23	100%	0.0	100%	20%
Iceland	375 319	0.00	0	-	0	0	0	0	-	-	-	100%	86%	Jul-23	-	-	-	-
Ireland	5 056 935	0.40	2	0	0	0	0	0	-	-	-	100%	86%	Jul-23	-	-	-	-
Israel	9 174 520	0.00	0	-	2	1	0	1	-	0	0	100%	71%	Jul-23	100%	-	0%	100%
Italy	58 870 763	0.32	19	0	10	6	0	4	23	3	0	100%	86%	Jul-23	94%	0.0	50%	0%
Kazakhstan	19 606 634	0.21	4	0	2881	2461	256	164	-	-	0	100%	86%	Jul-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	3.47	23	0	1523	819	352	352	547	4	2	100%	100%	Jul-23	70%	8.1	0%	92%
Latvia	1 830 212	0.00	0	-	1	1	0	0	-	1	0	100%	86%	Jul-23	100%	-	100%	100%
Lithuania	2 718 352	0.00	0	-	0	0	0	0	-	-	-	100%	71%	Jul-23	-	-	-	-
Luxembourg	654 768	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jul-23	-	0.0	-	-
Malta	535 065	0.00	0	-	0	0	0	0	-	-	-	100%	86%	Jul-23	-	-	-	-
Monaco	36 298	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Jul-23	-	0.0	-	-
Montenegro	626 485	0.00	0	-	0	0	0	0	7	-	-	100%	100%	Jul-23	100%	1.1	-	86%
Netherlands (Kingdom of the)	17 618 299	0.34	6	0	2	2	0	0	-	1	0	100%	86%	Jul-23	100%	-	100%	0%
North Macedonia	2 085 679	0.00	0	-	1	1	0	0	0	0	0	100%	86%	Jul-23	100%	0.0	0	100%
Norway	5 474 360	0.18	1	0	0	0	0	0	-	-	-	100%	100%	Jul-23	-	-	-	-
Poland	41 026 068	0.88	35	0	17	10	0	7	-	0	0	100%	86%	Jul-23	65%	-	100%	76%
Portugal	10 247 605	0.00	0	-	0	0	0	0	4	-	-	100%	100%	Jul-23	100%	0.0	-	0%
Republic of Moldova	3 435 931	0.00	0	-	1	1	0	0	73	1	0	100%	100%	Jul-23	100%	2.1	100%	100%
Romania	19 892 812	0.56	11	0	403	382	19	2	-	4	0	100%	57%	Jul-23	100%	-	100%	71%
Russian Federation	144 444 359	0.81	117	0	2822	2777	45	0	3477	131	0	100%	100%	Jul-23	100%	2.4	100%	39%
San Marino	33 642	0.00	0	-	0	0	0	0	0	-	-	100%	71%	Jul-23	-	0.0	-	-
Serbia ⁷	7 149 077	0.00	0	-	52	47	1	4	141	0	0	100%	86%	Jul-23	100%	2.0	92%	99%
Slovakia	5 795 199	0.00	0	-	6	6	0	0	3	2	0	86%	86%	Jun-23	89%	0.1	100%	100%
Slovenia	2 119 675	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Jul-23	-	-	-	-
Spain	47 519 628	0.02	1	0	3	3	0	0	24	1	0	100%	100%	Jul-23	85%	0.1	100%	85%
Sweden	10 612 086	0.38	4	0	6	6	0	0	-	4	0	100%	100%	Jul-23	100%	-	83%	50%
Switzerland	8 796 669	0.11	1	0	29	26	3	0	103	0	0	100%	100%	Jul-23	100%	1.2	0	33%
Tajikistan	10 143 543	45.31	451	0	473	428	45	0	17	472	0	100%	57%	Jul-23	100%	0.2	100%	100%
Türkiye ⁷	85 816 199	1.49	127	0	2901	2901	0	0	2970	43	0	86%	29%	Jun-23	100%	3.5	82%	99%
Turkmenistan ⁷	6 516 100	0.00	0	-	0	0	0	0	68	-	-	100%	100%	Jul-23	100%	1.0	-	100%
Ukraine	36 744 634	0.28	11	0	31	26	0	5	74	0	0	100%	100%	Jul-23	94%	0.2	90%	100%
United Kingdom	67 736 802	0.74	50	0	129	129	0	0	-	19	0	100%	57%	Jul-23	100%	-	86%	0%
Uzbekistan	35 163 944	0.23	8	0	228	228	0	0	145	3	0	100%	71%	Jul-23	100%	0.4	11%	96%
Region	931 558 283	1.01	945	0	12183	10897	734	552	8851	983	2	99%	85%		97%	1.7	74%	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, 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—July 2023 (data as of 01 September 2023)

Country	Total Population in 2023 ¹	2022 (as of 01 September 2023)		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	6	0	100%	86%	Jul-23	86%	0.2	100%	86%
Andorra	80 088	0.00	0	0	0	0	0	0	-	100%	57%	Jul-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Austria	8 958 961	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Azerbaijan	10 412 652	0.39	4	0	0	0	0	39	-	100%	71%	Jul-23	100%	0.4	-	100%
Belarus ⁷	9 498 238	0.00	0	0	0	0	0	239	-	100%	86%	Jul-23	100%	2.5	-	0%
Belgium ⁸	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.00	0	2	1	0	1	-	-	100%	86%	Jul-23	-	-	-	-
Bulgaria	6 687 717	0.00	0	0	0	0	0	-	-	100%	100%	Jul-23	-	-	-	-
Croatia	4 008 617	0.00	0	0	0	0	0	-	-	100%	71%	Jul-23	-	-	-	-
Cyprus	1 260 138	0.00	0	0	0	0	0	-	-	100%	71%	Jul-23	-	-	-	-
Czech Republic	10 495 295	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Denmark ⁸	5 910 913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 322 766	0.00	0	0	0	0	0	50	-	100%	100%	Jul-23	100%	3.8	-	100%
Finland	5 545 475	0.18	1	1	1	0	0	-	0	100%	57%	Jul-23	100%	-	0%	0%
France ⁸	64 756 584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 728 282	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Germany	83 294 633	0.10	8	2	2	0	0	-	0	100%	86%	Jul-23	100%	-	100%	0%
Greece	10 341 277	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Hungary	10 156 239	0.00	0	0	0	0	0	0	-	100%	86%	Jul-23	-	0.0	-	-
Iceland	375 319	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Ireland	5 056 935	0.00	0	0	0	0	0	-	-	100%	100%	Jul-23	-	-	-	-
Israel	9 174 520	0.00	0	0	0	0	0	-	-	100%	71%	Jul-23	-	-	-	-
Italy	58 870 763	0.14	8	8	6	1	1	13	0	100%	86%	Jul-23	100%	0.0	88%	0%
Kazakhstan	19 606 634	0.00	0	4	3	1	0	-	-	100%	86%	Jul-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	0.30	2	9	9	0	0	547	1	100%	100%	Jul-23	66%	8.1	11%	91%
Latvia	1 830 212	0.54	1	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Lithuania	2 718 352	0.36	1	1	1	0	0	-	0	100%	57%	Jul-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Malta	535 065	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
Monaco	36 298	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Montenegro	626 485	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	-	-	100%	86%	Jul-23	-	-	-	-
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	-	100%	86%	Jul-23	-	0.0	-	-
Norway	5 474 360	0.00	0	0	0	0	0	-	-	100%	100%	Jul-23	-	-	-	-
Poland	41 026 068	3.81	152	157	5	0	152	-	-	100%	71%	Jul-23	-	-	-	-
Portugal	10 247 605	0.00	0	0	0	0	0	3	-	100%	100%	Jul-23	100%	0.0	-	0%
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Romania	19 892 812	0.00	0	1	1	0	0	-	1	100%	71%	Jul-23	100%	-	100%	100%
Russian Federation	144 444 359	0.00	0	2	1	1	0	0	0	100%	100%	Jul-23	100%	0.0	100%	0%
San Marino	33 642	0.00	0	0	0	0	0	0	-	100%	71%	Jul-23	-	0.0	-	-
Serbia ⁷	7 149 077	-	-	0	0	0	0	141	-	100%	86%	Jul-23	99%	2.0	-	98%
Slovakia	5 795 199	0.00	0	0	0	0	0	0	-	86%	86%	Jun-23	-	0.0	-	-
Slovenia	2 119 675	0.00	0	0	0	0	0	-	-	100%	100%	Jul-23	-	-	-	-
Spain	47 519 628	0.00	0	0	0	0	0	2	-	100%	100%	Jul-23	100%	0.0	-	50%
Sweden	10 612 086	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Switzerland	8 796 669	0.00	0	0	0	0	0	0	-	100%	100%	Jul-23	-	0.0	-	-
Tajikistan	10 143 543	0.00	0	8	8	0	0	0	8	100%	57%	Jul-23	100%	0.0	100%	100%
Türkiye ⁷	85 816 199	0.47	40	34	34	0	0	2970	0	86%	29%	Jun-23	100%	3.5	100%	99%
Turkmenistan ⁷	6 516 100	0.00	0	0	0	0	0	68	-	100%	100%	Jul-23	100%	1.0	-	99%
Ukraine	36 744 634	0.23	9	4	2	0	2	55	0	100%	100%	Jul-23	95%	0.1	75%	100%
United Kingdom	67 736 802	0.00	0	0	0	0	0	-	-	100%	57%	Jul-23	-	-	-	-
Uzbekistan	35 163 944	0.00	0	2	2	0	0	0	0	100%	71%	Jul-23	100%	0.0	0%	100%
Region	931 558 283	0.24	226	236	77	3	156	4133	10	94%	80%		95%	0.8	82%	91%

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—July 2023 (data as of 01 September 2023)

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	9	3 (33)	-	-	1	1 (100)	-	-	100%	71%	Jul-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	830	89 (11)	B3,D8	98%	2408	0 (0)	-	-	71%	57%	Jun-23
Azerbaijan	100	3 (3)	-	-	38	0 (0)	-	-	100%	100%	Jul-23
Belarus	-	-	D8	28%	-	-	-	-	-	-	No report
Belgium	31	6 (19)	B3,D8	100%	4	0 (0)	-	-	14%	14%	Jul-23
Bosnia and Herzegovina	5	1 (20)	-	-	12	0 (0)	-	-	57%	57%	Apr-23
Bulgaria	16	0 (0)	-	-	16	0 (0)	-	-	86%	71%	Jun-23
Croatia	4	0 (0)	-	-	0	-	-	-	71%	71%	May-23
Cyprus	43	0 (0)	-	-	75	0 (0)	-	-	100%	57%	Jul-23
Czech Republic	11	3 (27)	-	-	41	1 (2)	-	-	100%	100%	Jul-23
Denmark	354	18 (5)	B3	100%	35	6 (17)	-	-	100%	100%	Jul-23
Estonia	47	6 (13)	D8	100%	4	0 (0)	-	-	100%	100%	Jul-23
Finland	16	2 (13)	D8	100%	10	0 (0)	-	-	100%	100%	Jul-23
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	43	10 (23)	B3,D8	50%	41	0 (0)	-	-	100%	86%	Jul-23
Germany	219	59 (27)	B3,D8	95%	141	1 (1)	-	-	100%	86%	Jul-23
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	64	3 (5)	D8	100%	64	0 (0)	-	-	100%	100%	Jul-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	297	6 (2)	-	-	1419	8 (1)	-	-	100%	100%	Jul-23
Israel	155	15 (10)	-	-	371	154 (42)	-	-	100%	71%	Jul-23
Italy	118	17 (14)	D8	100%	15	0 (0)	-	-	100%	100%	Jul-23
Kazakhstan	2824	2325 (82)	B3,D8	73%	646	3 (0)	-	-	100%	100%	Jul-23
Kyrgyzstan	1901	953 (50)	-	-	1176	10 (1)	-	-	100%	86%	Jul-23
Latvia	84	1 (1)	D8	100%	51	2 (4)	-	-	100%	100%	Jul-23
Lithuania	40	4 (10)	-	-	39	2 (5)	-	-	100%	100%	Jul-23
Luxembourg	30	0 (0)	-	-	0	-	-	-	100%	86%	Jul-23
Malta	23	2 (9)	-	-	560	6 (1)	-	-	100%	14%	Jul-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands (Kingdom of the)	21	2 (10)	D8	100%	6	0 (0)	-	-	100%	100%	Jul-23
North Macedonia	55	6 (11)	-	-	4	3 (75)	-	-	100%	29%	Jul-23
Norway	0	-	-	-	0	-	-	-	100%	100%	Jul-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	3	0 (0)	-	-	1	0 (0)	-	-	57%	57%	Apr-23
Republic of Moldova	72	1 (1)	-	-	72	0 (0)	-	-	86%	86%	Jul-23
Romania	530	414 (78)	D8	97%	104	1 (1)	-	-	100%	100%	Jul-23
Russian Federation	13217	6586 (50)	D8	39%	11205	225 (2)	-	-	100%	100%	Jul-23
San Marino											No lab
Serbia	183	54 (30)	B3	100%	243	1 (0)	-	-	100%	100%	Jul-23
Slovakia	32	10 (31)	-	-	19	0 (0)	-	-	100%	100%	Jul-23
Slovenia	40	2 (5)	D8	100%	16	0 (0)	-	-	100%	86%	Jul-23
Spain	-	-	B3,D8	67%	-	-	-	-	-	-	No report
Sweden	774	30 (4)	B3,D8	100%	1184	12 (1)	-	-	100%	100%	Jul-23
Switzerland	113	42 (37)	B3,D8	100%	4	3 (75)	-	-	100%	100%	Jul-23
Tajikistan	320	193 (60)	-	-	290	0 (0)	-	-	43%	43%	Mar-23
Türkiye	-	-	-	-	-	-	-	-	-	-	No report
Turkmenistan	70	0 (0)	-	-	70	0 (0)	-	-	100%	100%	Jul-23
Ukraine	58	9 (16)	-	-	41	3 (7)	-	-	100%	100%	Jul-23
United Kingdom	683	88 (13)	B3,D8	95%	49	0 (0)	-	-	57%	57%	Jul-23
Uzbekistan	357	211 (59)	-	-	357	2 (1)	-	-	100%	86%	Jul-23
Region	23792	11174 (47)	-	76%	20832	444 (2)	-	-	71%	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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