

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 October 2022—September 2023 (data as of 07 November 2023)

Country	Total Population in 2023 ¹	Incidence Rate October 2022–September 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	
Albania	2 832 439	1.41	4	1	0	0	0	3	0	0	0	0	0	0	0	Sep-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Armenia	2 777 971	165.59	460	0	0	0	0	11	87	48	66	86	83	43	36	Sep-23
Austria	8 958 961	17.19	154	0	0	0	1	49	54	15	2	13	17	3	-	Aug-23
Azerbaijan	10 412 652	5.19	54	0	0	0	0	0	0	1	2	0	1	13	37	Sep-23
Belarus	9 498 238	5.05	48	0	0	0	0	1	0	13	5	10	11	8	0	Sep-23
Belgium	11 686 140	3.42	40	2	1	5	0	0	1	4	7	10	0	5	5	Sep-23
Bosnia and Herzegovina	3 210 848	1.56	5	2	0	0	0	2	0	0	1	0	0	0	0	Sep-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Czechia	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Denmark	5 910 913	1.35	8	0	0	0	0	0	1	0	0	0	1	6	0	Sep-23
Estonia	1 322 766	3.02	4	0	0	0	1	0	1	0	1	0	0	0	1	Sep-23
Finland	5 545 475	0.18	1	0	0	0	0	0	0	0	0	0	1	0	0	Sep-23
France	64 756 584	1.02	66	2	0	0	3	1	5	2	0	7	4	4	38	Sep-23
Georgia	3 728 282	5.90	22	3	0	0	2	0	4	1	1	0	5	2	4	Sep-23
Germany	83 294 633	0.65	54	1	2	1	1	1	4	9	7	3	9	12	4	Sep-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Hungary	10 156 239	0.10	1	0	0	0	0	0	0	0	0	0	1	0	0	Sep-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Ireland	5 056 935	1.58	8	0	1	0	0	0	0	0	0	0	1	4	2	Sep-23
Israel	9 174 520	0.87	8	0	0	0	0	0	0	0	1	0	1	0	6	Sep-23
Italy	58 870 763	0.48	28	4	3	1	1	1	2	1	1	1	1	3	9	Sep-23
Kazakhstan	19 606 634	395.17	7748	0	0	-	0	7	109	153	600	1047	965	1564	3303	Sep-23
Kyrgyzstan	6 735 348	378.60	2550	1	0	11	4	6	79	251	399	481	554	356	408	Sep-23
Latvia	1 830 212	0.55	1	0	0	0	0	0	0	1	0	0	0	0	0	Sep-23
Lithuania	2 718 352	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Netherlands (Kingdom of the)	17 618 299	0.45	8	0	5	0	0	0	0	0	0	0	2	1	0	Sep-23
North Macedonia	2 085 679	0.48	1	0	0	0	0	0	1	0	0	0	0	0	0	Sep-23
Norway	5 474 360	0.37	2	0	0	0	0	0	0	0	0	0	0	2	0	Sep-23
Poland	41 026 068	0.78	32	2	4	6	1	0	1	3	9	2	1	3	0	Sep-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Republic of Moldova	3 435 931	0.29	1	0	0	0	0	0	0	0	1	0	0	0	0	Sep-23
Romania	19 892 812	46.60	927	0	0	3	5	17	60	72	74	66	170	267	193	Sep-23
Russian Federation	144 444 359	23.82	3440	6	14	67	183	329	475	505	544	468	409	250	190	Sep-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Serbia	7 149 077	7.27	52	0	0	0	25	16	7	3	0	0	1	0	0	Sep-23
Slovakia	5 795 199	1.04	6	0	0	0	2	1	0	3	0	0	0	0	0	Sep-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Spain	47 519 628	0.19	9	0	0	1	1	1	0	0	1	0	0	1	4	Sep-23
Sweden	10 612 086	1.04	11	0	0	0	0	0	1	2	1	0	2	5	0	Sep-23
Switzerland	8 796 669	3.98	35	0	0	1	4	1	1	4	15	5	0	1	3	Sep-23
Tajikistan	10 143 543	57.57	584	47	33	17	76	127	97	79	51	20	23	7	7	Sep-23
Türkiye	85 816 199	47.97	4117	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	Sep-23
Ukraine	36 744 634	1.39	51	0	3	2	1	2	7	7	3	4	9	10	3	Sep-23
United Kingdom	67 736 802	2.13	144	4	1	1	12	9	14	28	33	22	12	4	4	Sep-23
Uzbekistan	35 163 944	15.36	540	0	0	0	0	8	27	4	48	38	103	143	169	Sep-23
Region	931 558 283	22.78	21224	91	85	141	516	933	1484	1716	2511	3160	3089	3072	4426	

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 October 2022—September 2023 (data as of 07 November 2023)

Country	Total Population in 2023 ¹	Incidence Rate October 2022–September 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	
Albania	2 832 439	0.35	1	0	0	0	1	0	0	0	0	0	0	0	0	Sep-23
Andorra	80 088	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Armenia	2 777 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Austria	8 958 961	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Aug-23
Azerbaijan	10 412 652	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Belarus	9 498 238	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Belgium ²	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.62	2	0	0	0	0	1	0	0	0	0	1	0	0	Sep-23
Bulgaria	6 687 717	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Croatia	4 008 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Cyprus	1 260 138	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Czechia	10 495 295	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-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	Sep-23
Finland	5 545 475	0.18	1	0	0	0	0	0	1	0	0	0	0	0	0	Sep-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	Sep-23
Germany	83 294 633	0.08	7	0	0	1	0	1	1	0	0	0	0	2	2	Sep-23
Greece	10 341 277	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Hungary	10 156 239	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Iceland	375 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Ireland	5 056 935	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Israel	9 174 520	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Italy	58 870 763	0.03	2	0	0	0	1	0	1	0	0	0	0	0	0	Sep-23
Kazakhstan	19 606 634	0.20	4	0	0	-	0	0	1	3	0	0	0	0	0	Sep-23
Kyrgyzstan	6 735 348	1.63	11	1	0	1	2	3	1	3	0	0	0	0	0	Sep-23
Latvia	1 830 212	0.55	1	1	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Lithuania	2 718 352	0.74	2	0	1	0	0	0	0	0	0	0	1	0	0	Sep-23
Luxembourg	654 768	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Malta	535 065	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Monaco	36 298	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Montenegro	626 485	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Norway	5 474 360	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Poland	41 026 068	6.43	264	21	13	22	20	13	23	29	23	27	23	26	24	Sep-23
Portugal	10 247 605	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Romania	19 892 812	0.05	1	0	0	0	0	0	0	0	0	0	1	0	0	Sep-23
Russian Federation	144 444 359	0.03	4	0	0	0	0	0	1	0	0	1	0	1	1	Sep-23
San Marino	33 642	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Serbia	7 149 077	0.00	0	-	-	-	0	0	0	0	0	0	0	0	0	Sep-23
Slovakia	5 795 199	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Slovenia	2 119 675	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Spain	47 519 628	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Sweden	10 612 086	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Switzerland	8 796 669	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Tajikistan	10 143 543	0.79	8	0	0	0	0	0	2	2	3	0	1	0	0	Sep-23
Türkiye	85 816 199	0.77	66	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	Sep-23
Ukraine	36 744 634	0.24	9	1	1	0	0	1	0	1	0	2	0	1	2	Sep-23
United Kingdom	67 736 802	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Sep-23
Uzbekistan	35 163 944	0.06	2	0	0	0	0	0	0	0	2	0	0	0	0	Sep-23
Region	931 558 283	0.41	385	27	20	29	29	25	39	40	31	44	36	36	29	

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—September 2023 (data as of 07 November 2023)

Country	Total Population in 2023 ¹	2022 (as of 07 November 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%	89%	Sep-23	100%	0.2	100%	100%
Andorra	80 088	0.00	0	-	0	0	0	0	0	-	-	100%	67%	Sep-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	-	460	452	8	0	771	320	0	100%	100%	Sep-23	100%	27.8	100%	100%
Austria	8 958 961	0.11	1	0	154	153	1	0	28	4	0	89%	78%	Aug-23	90%	0.3	97%	0%
Azerbaijan	10 412 652	0.10	1	0	54	40	13	1	115	5	0	100%	78%	Sep-23	99%	1.1	96%	100%
Belarus ⁷	9 498 238	0.00	0	-	48	48	0	0	274	0	0	100%	67%	Sep-23	100%	2.9	0%	0%
Belgium	11 686 140	1.46	17	0	32	20	6	6	-	-	0	100%	89%	Sep-23	-	-	-	-
Bosnia and Herzegovina	3 210 848	1.86	6	0	3	1	0	2	-	-	0	100%	67%	Sep-23	-	-	-	-
Bulgaria	6 687 717	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Sep-23	-	-	-	-
Croatia	4 008 617	0.00	0	-	0	0	0	0	0	-	-	100%	78%	Sep-23	-	0.0	-	-
Cyprus	1 260 138	0.00	0	-	0	0	0	0	-	-	-	100%	78%	Sep-23	-	-	-	-
Czechia	10 495 295	0.00	0	-	0	0	0	0	-	-	-	100%	89%	Sep-23	-	-	-	-
Denmark	5 910 913	0.00	0	-	8	4	4	0	-	2	0	100%	78%	Sep-23	100%	-	25%	0%
Estonia	1 322 766	0.00	0	-	4	4	0	0	180	4	0	100%	100%	Sep-23	100%	13.6	100%	100%
Finland	5 545 475	0.18	1	0	1	1	0	0	-	1	0	100%	67%	Sep-23	100%	-	100%	0%
France	64 756 584	0.29	19	0	64	52	8	4	-	22	0	100%	100%	Sep-23	100%	-	94%	0%
Georgia	3 728 282	3.20	12	0	19	18	0	1	32	6	0	100%	89%	Sep-23	98%	0.9	79%	90%
Germany	83 294 633	0.18	15	0	50	45	3	2	-	13	0	100%	89%	Sep-23	96%	-	82%	0%
Greece	10 341 277	0.00	0	-	0	0	0	0	0	-	-	100%	89%	Sep-23	-	0.0	-	-
Hungary	10 156 239	0.00	0	-	1	1	0	0	4	1	0	100%	100%	Sep-23	100%	0.0	100%	20%
Iceland	375 319	0.00	0	-	0	0	0	0	-	-	-	100%	89%	Sep-23	-	-	-	-
Ireland	5 056 935	0.40	2	0	7	1	3	3	-	2	0	100%	89%	Sep-23	25%	-	71%	57%
Israel	9 174 520	0.00	0	-	8	6	0	2	-	0	0	100%	67%	Sep-23	88%	-	0%	88%
Italy	58 870 763	0.25	15	0	20	17	0	3	31	6	0	100%	89%	Sep-23	94%	0.1	55%	0%
Kazakhstan	19 606 634	0.21	4	0	7748	7021	526	201	-	-	0	100%	67%	Sep-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	3.47	23	0	2538	1137	729	672	745	4	3	100%	100%	Sep-23	61%	11.1	0%	93%
Latvia	1 830 212	0.00	0	-	1	1	0	0	-	1	0	100%	89%	Sep-23	100%	-	100%	100%
Lithuania	2 718 352	0.00	0	-	0	0	0	0	-	-	-	100%	78%	Sep-23	-	-	-	-
Luxembourg	654 768	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Sep-23	-	0.0	-	-
Malta	535 065	0.00	0	-	0	0	0	0	-	-	-	100%	78%	Sep-23	-	-	-	-
Monaco	36 298	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Sep-23	-	0.0	-	-
Montenegro	626 485	0.00	0	-	0	0	0	0	7	-	-	100%	100%	Sep-23	100%	1.1	-	86%
Netherlands (Kingdom of the)	17 618 299	0.34	6	0	3	3	0	0	-	2	0	100%	89%	Sep-23	100%	-	100%	0%
North Macedonia	2 085 679	0.00	0	-	1	1	0	0	0	0	0	100%	89%	Sep-23	100%	0.0	0	100%
Norway	5 474 360	0.18	1	0	2	2	0	0	-	1	0	100%	100%	Sep-23	100%	-	50%	100%
Poland	41 026 068	0.88	35	0	20	12	0	8	-	0	0	100%	89%	Sep-23	65%	-	100%	85%
Portugal	10 247 605	0.00	0	-	0	0	0	0	6	-	-	100%	100%	Sep-23	100%	0.1	-	33%
Republic of Moldova	3 435 931	0.00	0	-	1	1	0	0	87	1	0	100%	100%	Sep-23	100%	2.5	100%	100%
Romania	19 892 812	0.51	10	0	924	866	50	8	-	6	0	100%	56%	Sep-23	100%	-	100%	45%
Russian Federation	144 444 359	0.81	117	0	3353	3291	47	15	4075	150	0	100%	100%	Sep-23	100%	2.8	100%	40%
San Marino	33 642	0.00	0	-	0	0	0	0	0	-	-	100%	78%	Sep-23	-	0.0	-	-
Serbia ⁷	7 149 077	0.00	0	-	52	47	1	4	147	0	0	100%	89%	Sep-23	100%	2.1	92%	99%
Slovakia	5 795 199	0.00	0	-	6	6	0	0	3	2	0	100%	89%	Sep-23	89%	0.1	100%	100%
Slovenia	2 119 675	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Sep-23	-	-	-	-
Spain	47 519 628	0.02	1	0	8	6	0	2	34	3	0	100%	100%	Sep-23	95%	0.1	88%	83%
Sweden	10 612 086	0.38	4	0	11	11	0	0	-	6	0	100%	100%	Sep-23	100%	-	91%	27%
Switzerland	8 796 669	0.11	1	0	34	27	3	4	85	0	0	100%	100%	Sep-23	100%	1.0	0	29%
Tajikistan	10 143 543	45.31	451	0	487	442	45	0	17	486	0	100%	56%	Sep-23	100%	0.2	100%	100%
Türkiye ⁷	85 816 199	1.50	128	0	4058	4049	2	7	5610	60	0	89%	22%	Aug-23	100%	6.5	79%	99%
Turkmenistan ⁷	6 516 100	0.00	0	-	0	0	0	0	90	-	-	100%	100%	Sep-23	100%	1.4	-	100%
Ukraine	36 744 634	0.28	11	0	46	41	0	5	116	0	0	100%	100%	Sep-23	100%	0.3	0%	99%
United Kingdom	67 736 802	0.74	50	0	138	138	0	0	-	19	0	100%	56%	Sep-23	100%	-	86%	0%
Uzbekistan	35 163 944	0.23	8	0	540	536	0	4	244	3	0	100%	78%	Sep-23	99%	0.7	7%	98%
Region	931 558 283	1.01	941	0	20907	18504	1449	954	12707	1130	3	100%	85%		96%	2.4	69%	76%

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—September 2023 (data as of 07 November 2023)

Country	Total Population in 2023 ¹	2022 (as of 07 November 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%	89%	Sep-23	86%	0.2	100%	86%
Andorra	80 088	0.00	0	0	0	0	0	0	-	100%	67%	Sep-23	-	0.0	-	-
Armenia	2 777 971	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Austria	8 958 961	0.00	0	0	0	0	0	-	-	89%	78%	Aug-23	-	-	-	-
Azerbaijan	10 412 652	0.39	4	0	0	0	0	54	-	100%	78%	Sep-23	100%	0.5	-	100%
Belarus ⁷	9 498 238	0.00	0	0	0	0	0	274	-	100%	67%	Sep-23	100%	2.9	-	0%
Belgium ⁸	11 686 140	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 210 848	0.00	0	2	1	0	1	-	-	100%	67%	Sep-23	-	-	-	-
Bulgaria	6 687 717	0.00	0	0	0	0	0	-	-	100%	100%	Sep-23	-	-	-	-
Croatia	4 008 617	0.00	0	0	0	0	0	-	-	100%	78%	Sep-23	-	-	-	-
Cyprus	1 260 138	0.00	0	0	0	0	0	-	-	100%	78%	Sep-23	-	-	-	-
Czechia	10 495 295	0.00	0	0	0	0	0	-	-	100%	89%	Sep-23	-	-	-	-
Denmark ⁸	5 910 913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 322 766	0.00	0	0	0	0	0	57	-	100%	100%	Sep-23	100%	4.3	-	100%
Finland	5 545 475	0.18	1	1	1	0	0	-	0	100%	67%	Sep-23	100%	-	0%	0%
France ⁸	64 756 584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 728 282	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Germany	83 294 633	0.10	8	6	3	0	3	-	0	100%	78%	Sep-23	50%	-	67%	0%
Greece	10 341 277	0.00	0	0	0	0	0	-	-	100%	89%	Sep-23	-	-	-	-
Hungary	10 156 239	0.00	0	0	0	0	0	0	-	100%	89%	Sep-23	-	0.0	-	-
Iceland	375 319	0.00	0	0	0	0	0	-	-	100%	89%	Sep-23	-	-	-	-
Ireland	5 056 935	0.00	0	0	0	0	0	-	-	100%	100%	Sep-23	-	-	-	-
Israel	9 174 520	0.00	0	0	0	0	0	-	-	100%	67%	Sep-23	-	-	-	-
Italy	58 870 763	0.07	4	2	1	0	1	13	0	100%	89%	Sep-23	93%	0.0	100%	0%
Kazakhstan	19 606 634	0.00	0	4	3	1	0	-	-	100%	67%	Sep-23	-	-	-	-
Kyrgyzstan ⁷	6 735 348	0.30	2	9	9	0	0	745	1	100%	100%	Sep-23	55%	11.1	11%	92%
Latvia	1 830 212	0.54	1	0	0	0	0	-	-	100%	89%	Sep-23	-	-	-	-
Lithuania	2 718 352	0.36	1	1	1	0	0	-	0	100%	67%	Sep-23	100%	-	100%	100%
Luxembourg	654 768	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Malta	535 065	0.00	0	0	0	0	0	-	-	100%	78%	Sep-23	-	-	-	-
Monaco	36 298	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Montenegro	626 485	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Netherlands (Kingdom of the)	17 618 299	0.00	0	0	0	0	0	-	-	100%	89%	Sep-23	-	-	-	-
North Macedonia	2 085 679	0.00	0	0	0	0	0	0	-	100%	89%	Sep-23	-	0.0	-	-
Norway	5 474 360	0.00	0	0	0	0	0	-	-	100%	100%	Sep-23	-	-	-	-
Poland	41 026 068	3.69	147	208	8	3	197	-	-	100%	78%	Sep-23	-	-	-	-
Portugal	10 247 605	0.00	0	0	0	0	0	4	-	100%	100%	Sep-23	100%	0.0	-	0%
Republic of Moldova	3 435 931	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Romania	19 892 812	0.00	0	1	1	0	0	-	1	100%	67%	Sep-23	100%	-	100%	100%
Russian Federation	144 444 359	0.00	0	4	2	1	1	0	0	100%	100%	Sep-23	100%	0.0	100%	0%
San Marino	33 642	0.00	0	0	0	0	0	0	-	100%	78%	Sep-23	-	0.0	-	-
Serbia ⁷	7 149 077	-	-	0	0	0	0	147	-	100%	89%	Sep-23	99%	2.1	-	98%
Slovakia	5 795 199	0.00	0	0	0	0	0	0	-	100%	89%	Sep-23	-	0.0	-	-
Slovenia	2 119 675	0.00	0	0	0	0	0	-	-	100%	100%	Sep-23	-	-	-	-
Spain	47 519 628	0.00	0	0	0	0	0	3	-	100%	100%	Sep-23	100%	0.0	-	67%
Sweden	10 612 086	0.00	0	0	0	0	0	0	-	100%	100%	Sep-23	-	0.0	-	-
Switzerland	8 796 669	0.00	0	0	0	0	0	39	-	100%	100%	Sep-23	100%	0.4	-	33%
Tajikistan	10 143 543	0.00	0	8	8	0	0	0	8	100%	56%	Sep-23	100%	0.0	100%	100%
Türkiye ⁷	85 816 199	0.47	40	53	53	0	0	5610	0	89%	22%	Aug-23	100%	6.5	94%	99%
Turkmenistan ⁷	6 516 100	0.00	0	0	0	0	0	90	-	100%	100%	Sep-23	100%	1.4	-	100%
Ukraine	36 744 634	0.23	9	7	3	0	4	66	0	100%	100%	Sep-23	100%	0.2	0%	100%
United Kingdom	67 736 802	0.00	0	0	0	0	0	-	-	100%	56%	Sep-23	-	-	-	-
Uzbekistan	35 163 944	0.00	0	2	2	0	0	0	0	100%	78%	Sep-23	100%	0.0	0%	100%
Region	931 558 283	0.23	217	309	97	5	207	7108	10	94%	80%		95%	1.4	76%	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—September 2023 (data as of 05 October 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	10	3 (30)	-	-	1	1 (100)	-	-	100%	78%	Sep-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	1337	116 (9)	B3,D8	98%	3791	0 (0)	-	-	89%	67%	Sep-23
Azerbaijan	154	30 (19)	-	-	50	0 (0)	-	-	100%	100%	Sep-23
Belarus	-	-	D8	28%	-	-	-	-	-	-	No report
Belgium	40	8 (20)	B3,D8	100%	9	0 (0)	-	-	22%	22%	Aug-23
Bosnia and Herzegovina	17	1 (6)	-	-	13	0 (0)	-	-	56%	56%	Aug-23
Bulgaria	16	0 (0)	-	-	16	0 (0)	-	-	67%	56%	Jun-23
Croatia	4	0 (0)	-	-	0	-	-	-	56%	56%	May-23
Cyprus	51	0 (0)	-	-	108	0 (0)	-	-	100%	67%	Sep-23
Czechia	30	5 (17)	-	-	63	1 (2)	-	-	100%	100%	Sep-23
Denmark	449	26 (6)	B3,D8	100%	43	7 (16)	-	-	100%	100%	Sep-23
Estonia	68	10 (15)	B3,D8	100%	4	0 (0)	-	-	100%	100%	Sep-23
Finland	27	3 (11)	D8	100%	13	0 (0)	-	-	100%	100%	Sep-23
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	54	19 (35)	B3,D8	67%	43	0 (0)	-	-	89%	67%	Aug-23
Germany	316	87 (28)	B3,D8	97%	202	3 (1)	-	-	100%	89%	Sep-23
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	96	6 (6)	D8	100%	84	0 (0)	-	-	100%	100%	Sep-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	405	7 (2)	B3	100%	1817	8 (0)	-	-	100%	100%	Sep-23
Israel	206	31 (15)	B3	100%	476	189 (40)	-	-	100%	78%	Sep-23
Italy	164	43 (26)	D8	100%	18	0 (0)	-	-	100%	100%	Sep-23
Kazakhstan	7881	6817 (86)	B3,D8	51%	646	3 (0)	-	-	100%	89%	Sep-23
Kyrgyzstan	2693	1408 (52)	-	-	1694	10 (1)	-	-	100%	89%	Sep-23
Latvia	107	2 (2)	D8	100%	66	2 (3)	-	-	100%	100%	Sep-23
Lithuania	56	5 (9)	-	-	55	3 (5)	-	-	100%	100%	Sep-23
Luxembourg	31	0 (0)	D8	50%	0	-	-	-	100%	89%	Sep-23
Malta	23	2 (9)	-	-	637	6 (1)	-	-	89%	22%	Aug-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands (Kingdom of the)	27	3 (11)	D8	100%	9	0 (0)	-	-	100%	100%	Sep-23
North Macedonia	55	6 (11)	-	-	4	3 (75)	-	-	100%	44%	Sep-23
Norway	7	6 (86)	D8	100%	1	1 (100)	-	-	100%	100%	Sep-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	15	0 (0)	-	-	1	0 (0)	-	-	100%	56%	Sep-23
Republic of Moldova	87	1 (1)	-	-	87	0 (0)	-	-	89%	89%	Sep-23
Romania	1038	881 (85)	D8	98%	139	1 (1)	-	-	100%	100%	Sep-23
Russian Federation	17372	8883 (51)	B3,D8	35%	14627	248 (2)	-	-	100%	100%	Sep-23
San Marino											No lab
Serbia	187	56 (30)	B3	100%	253	1 (0)	-	-	100%	100%	Sep-23
Slovakia	36	10 (28)	-	-	25	0 (0)	-	-	100%	100%	Sep-23
Slovenia	44	2 (5)	D8	100%	16	0 (0)	-	-	100%	89%	Sep-23
Spain	-	-	B3,D8	67%	-	-	-	-	-	-	No report
Sweden	1052	39 (4)	B3,D8	100%	1504	16 (1)	-	-	100%	100%	Sep-23
Switzerland	128	45 (35)	B3,D8	100%	3	2 (67)	-	-	100%	100%	Sep-23
Tajikistan	320	193 (60)	-	-	290	0 (0)	-	-	33%	33%	Mar-23
Türkiye	5602	968 (17)	-	-	3597	61 (2)	-	-	89%	11%	Aug-23
Turkmenistan	92	0 (0)	-	-	92	0 (0)	-	-	100%	100%	Sep-23
Ukraine	88	15 (17)	-	-	71	3 (4)	-	-	100%	100%	Sep-23
United Kingdom	1034	120 (12)	B3,D8	95%	76	0 (0)	-	-	67%	67%	Sep-23
Uzbekistan	800	540 (68)	-	-	800	3 (0)	-	-	100%	89%	Sep-23
Region	42219	20397 (48)	-	74%	31444	572 (2)	-	-	73%	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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