

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 May 2022—April 2023 (data as of 31 May 2023)

Country	Total Population in 2022 ¹	Incidence Rate May 2022–April 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	
Albania	2 842 321	1.41	4	0	0	0	0	0	1	0	0	0	3	0	0	Apr-23
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-23
Armenia	2 780 469	45.32	126	0	0	0	0	0	0	0	0	0	11	84	31	Apr-23
Austria	8 939 617	13.42	120	1	0	0	0	0	0	0	0	1	50	53	15	Apr-23
Azerbaijan	10 358 074	0.19	2	1	0	0	0	0	0	0	0	0	0	0	1	Apr-23
Belarus	9 534 955	0.10	1	0	0	0	0	0	0	0	0	0	1	0	0	Apr-23
Belgium	11 655 930	1.72	20	2	3	0	0	2	2	1	5	0	0	1	4	Apr-23
Bosnia and Herzegovina	3 233 527	1.86	6	0	0	1	0	1	2	0	0	0	2	0	0	Apr-23
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Denmark	5 882 262	0.17	1	0	0	0	0	0	0	0	0	0	0	1	0	Apr-23
Estonia	1 326 062	1.51	2	0	0	0	0	0	0	0	0	1	0	1	0	Apr-23
Finland	5 540 746	0.18	1	0	0	0	0	1	0	0	0	0	0	0	0	Apr-23
France	64 626 628	0.34	22	1	0	4	2	2	2	0	0	3	1	5	2	Apr-23
Georgia	3 744 386	4.27	16	1	3	2	0	0	3	0	0	2	0	4	1	Apr-23
Germany	83 369 843	0.24	20	1	1	1	1	0	1	2	1	1	1	4	6	Apr-23
Greece	10 384 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Ireland	5 023 109	0.20	1	0	0	0	0	0	0	1	0	0	0	0	0	Apr-23
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Italy	59 037 474	0.32	19	1	0	0	0	3	6	3	1	1	1	1	2	Apr-23
Kazakhstan	19 397 998	14.07	273	0	0	0	3	1	0	0	-	0	7	109	153	Apr-23
Kyrgyzstan	6 630 623	49.47	328	0	1	0	0	1	1	0	11	2	6	77	229	Apr-23
Latvia	1 850 651	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Lithuania	2 750 055	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Netherlands	17 564 014	0.34	6	0	0	0	1	0	0	5	0	0	0	0	0	Apr-23
North Macedonia	2 093 599	0.48	1	0	0	0	0	0	0	0	0	0	0	1	0	Apr-23
Norway	5 434 319	0.18	1	0	0	0	1	0	0	0	0	0	0	0	0	Apr-23
Poland	39 857 146	0.73	29	5	0	2	2	3	2	4	6	1	0	1	3	Apr-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Romania	19 659 267	3.46	68	1	1	2	0	0	0	0	2	5	14	40	3	Apr-23
Russian Federation	144 713 314	7.80	1129	3	6	0	6	3	6	14	66	171	270	381	203	Apr-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Serbia	7 221 366	6.65	48	0	0	0	0	0	0	0	0	23	16	6	3	Apr-23
Slovakia	5 643 453	1.06	6	0	0	0	0	0	0	0	0	2	1	0	3	Apr-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Spain	47 558 630	0.06	3	0	0	0	0	0	0	0	1	1	1	0	0	Apr-23
Sweden	10 549 347	0.66	7	1	3	0	0	0	0	0	0	0	0	1	2	Apr-23
Switzerland	8 740 472	1.03	9	0	0	0	0	0	0	0	1	4	1	0	3	Apr-23
Tajikistan	9 952 787	57.07	568	40	49	50	33	48	47	33	17	76	130	45	0	Apr-23
Türkiye	85 341 241	18.08	1543	7	11	12	6	9	16	17	25	193	340	445	462	Apr-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Ukraine	39 701 739	0.60	24	0	2	1	0	0	0	3	2	1	2	8	5	Apr-23
United Kingdom	67 508 936	1.48	100	3	23	13	3	1	4	1	1	12	9	13	17	Apr-23
Uzbekistan	34 627 653	1.16	40	2	2	0	0	0	0	0	0	2	10	24	0	Apr-23
Region	931 065 684	4.88	4544	70	105	88	58	75	93	84	139	502	877	1305	1148	

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, Kazakhstan and North Macedonia.

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 May 2022—April 2023 (data as of 31 May 2023)

Country	Total Population in 2022 ¹	Incidence Rate May 2022–April 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	
Albania	2 842 321	0.35	1	0	0	0	0	0	0	0	0	1	0	0	0	Apr-23
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Mar-23
Armenia	2 780 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Austria	8 939 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Azerbaijan	10 358 074	0.19	2	0	0	1	0	1	0	0	0	0	0	0	0	Apr-23
Belarus	9 534 955	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Belgium ²	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.31	1	0	0	0	0	0	0	0	0	0	1	0	0	Apr-23
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Denmark ²	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Finland	5 540 746	0.18	1	0	0	0	0	0	0	0	0	0	0	1	0	Apr-23
France ²	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Germany	83 369 843	0.10	8	0	2	1	1	1	0	0	1	0	1	1	0	Apr-23
Greece	10 384 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Ireland	5 023 109	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Italy	59 037 474	0.27	16	0	0	1	1	3	1	1	1	3	1	4	0	Apr-23
Kazakhstan	19 397 998	0.21	4	0	0	0	0	0	0	0	-	0	0	1	3	Apr-23
Kyrgyzstan	6 630 623	1.66	11	0	0	0	0	0	1	0	1	2	3	1	3	Apr-23
Latvia	1 850 651	0.54	1	0	0	0	0	0	1	0	0	0	0	0	0	Apr-23
Lithuania	2 750 055	0.36	1	0	0	0	0	0	0	1	0	0	0	0	0	Apr-23
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Netherlands	17 564 014	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
North Macedonia	2 093 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Norway	5 434 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Poland	39 857 146	4.87	194	8	13	11	13	11	20	14	22	19	13	22	28	Apr-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Romania	19 659 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Russian Federation	144 713 314	0.01	2	0	0	0	0	0	0	0	0	0	0	1	1	Apr-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Serbia	7 221 366	0.00	0	-	-	-	-	-	-	-	-	0	0	0	0	Apr-23
Slovakia	5 643 453	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Spain	47 558 630	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Sweden	10 549 347	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Switzerland	8 740 472	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Tajikistan	9 952 787	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Türkiye	85 341 241	0.56	48	2	6	5	0	1	3	5	5	5	6	8	2	Apr-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Ukraine	39 701 739	0.20	8	1	2	0	1	0	1	1	0	0	1	0	1	Apr-23
United Kingdom	67 508 936	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Apr-23
Region	931 065 684	0.32	298	11	23	19	16	17	27	22	30	30	26	39	38	

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, North Macedonia 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—April 2023 (data as of 31 May 2023)

Country	Total Population in 2022 ¹	2022 (as of 31 May 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	2 842 321	0.35	1	0	3	3	0	0	6	0	0	100%	100%	Apr-23	100%	0.2	100%	100%
Andorra	79 824	0.00	0	-	0	0	0	0	0	-	-	75%	50%	Mar-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	-	126	120	6	0	408	0	0	100%	100%	Apr-23	100%	14.7	100%	100%
Austria	8 939 617	0.11	1	0	119	118	0	1	20	2	0	100%	100%	Apr-23	88%	0.2	96%	0%
Azerbaijan	10 358 074	0.10	1	0	1	1	0	0	88	0	0	100%	75%	Apr-23	100%	0.8	100%	100%
Belarus ⁷	9 534 955	0.00	0	-	1	1	0	0	58	0	0	100%	75%	Apr-23	100%	0.6	0%	0%
Belgium	11 655 930	1.46	17	0	5	4	0	1	-	-	0	100%	75%	Apr-23	-	-	-	-
Bosnia and Herzegovina	3 233 527	1.86	6	0	2	0	0	2	-	-	0	100%	100%	Apr-23	-	-	-	-
Bulgaria	6 781 953	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Apr-23	-	-	-	-
Croatia	4 030 358	0.00	0	-	0	0	0	0	0	-	-	100%	75%	Apr-23	-	0.0	-	-
Cyprus	1 251 489	0.00	0	-	0	0	0	0	-	-	-	100%	50%	Apr-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	-	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
Denmark	5 882 262	0.00	0	-	1	1	0	0	-	0	0	100%	75%	Apr-23	100%	-	0	0%
Estonia	1 326 062	0.00	0	-	2	2	0	0	82	2	0	100%	100%	Apr-23	100%	6.2	100%	100%
Finland	5 540 746	0.18	1	0	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
France	64 626 628	0.29	19	0	11	7	0	4	-	7	0	100%	100%	Apr-23	91%	-	100%	0%
Georgia	3 744 386	3.20	12	0	7	6	0	1	9	0	0	100%	75%	Apr-23	100%	0.2	100%	94%
Germany	83 369 843	0.18	15	0	12	10	0	2	-	2	0	100%	100%	Apr-23	83%	-	75%	0%
Greece	10 384 971	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-23	-	0.0	-	-
Hungary	9 967 308	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-23	-	0.0	-	-
Iceland	372 899	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Apr-23	-	-	-	-
Ireland	5 023 109	0.40	2	0	0	0	0	0	-	-	-	100%	100%	Apr-23	-	-	-	-
Israel	9 038 309	0.00	0	-	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
Italy	59 037 474	0.32	19	0	5	3	0	2	15	2	0	100%	100%	Apr-23	90%	0.0	60%	0%
Kazakhstan	19 397 998	0.21	4	0	269	248	18	3	-	-	0	100%	75%	Apr-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	3.47	23	0	314	254	37	23	195	5	0	100%	100%	Apr-23	90%	2.9	2%	96%
Latvia	1 850 651	0.00	0	-	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
Lithuania	2 750 055	0.00	0	-	0	0	0	0	-	-	-	100%	50%	Apr-23	-	-	-	-
Luxembourg	647 599	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-23	-	0.0	-	-
Malta	533 286	0.00	0	-	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
Monaco	36 469	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-23	-	0.0	-	-
Montenegro	627 083	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Apr-23	-	0.0	-	-
Netherlands	17 564 014	0.34	6	0	0	0	0	0	-	-	-	100%	75%	Apr-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	-	1	1	0	0	-	-	0	100%	75%	Apr-23	-	-	-	-
Norway	5 434 319	0.18	1	0	0	0	0	0	-	-	-	100%	100%	Apr-23	-	-	-	-
Poland	39 857 146	0.88	35	0	5	0	0	5	-	0	0	100%	75%	Apr-23	0%	-	100%	80%
Portugal	10 270 865	0.00	0	-	0	0	0	0	2	-	-	100%	100%	Apr-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	-	0	0	0	0	61	-	-	100%	100%	Apr-23	100%	1.9	-	100%
Romania	19 659 267	0.46	9	0	62	59	1	2	-	0	0	100%	50%	Apr-23	98%	-	0	76%
Russian Federation	144 713 314	0.80	116	0	1025	993	31	1	1921	71	0	100%	100%	Apr-23	100%	1.3	100%	33%
San Marino	33 661	0.00	0	-	0	0	0	0	0	-	-	100%	75%	Apr-23	-	0.0	-	-
Serbia ⁷	7 221 366	0.00	0	-	48	47	1	0	125	0	0	100%	75%	Apr-23	100%	1.7	100%	99%
Slovakia	5 643 453	0.00	0	-	6	6	0	0	3	2	0	100%	100%	Apr-23	89%	0.1	83%	100%
Slovenia	2 119 844	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Apr-23	-	-	-	-
Spain	47 558 630	0.02	1	0	2	2	0	0	15	0	0	100%	100%	Apr-23	82%	0.0	100%	82%
Sweden	10 549 347	0.38	4	0	3	3	0	0	-	2	0	100%	100%	Apr-23	100%	-	67%	100%
Switzerland	8 740 472	0.11	1	0	8	8	0	0	49	0	0	100%	100%	Apr-23	100%	0.6	0	18%
Tajikistan	9 952 787	45.31	451	0	251	206	45	0	107	240	0	100%	75%	Apr-23	100%	1.1	100%	100%
Türkiye ⁷	85 341 241	1.49	127	0	1440	1440	0	0	1158	31	0	100%	25%	Apr-23	100%	1.4	82%	98%
Turkmenistan ⁷	6 430 771	0.00	0	-	0	0	0	0	27	-	-	100%	100%	Apr-23	100%	0.4	-	100%
Ukraine	39 701 739	0.28	11	0	16	13	0	3	43	0	0	100%	100%	Apr-23	92%	0.1	81%	100%
United Kingdom	67 508 936	0.74	50	0	51	51	0	0	-	10	0	100%	75%	Apr-23	100%	-	100%	0%
Uzbekistan	34 627 653	0.23	8	0	36	36	0	0	23	12	0	100%	50%	Apr-23	100%	0.1	58%	95%
Region	931 065 684	1.01	942	0	3832	3643	139	50	4415	388	0	100%	85%		99%	0.8	81%	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, Kazakhstan and North Macedonia.

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—April 2023 (data as of 31 May 2023)

Country	Total Population in 2022 ¹	2022 (as of 31 May 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	2 842 321	0.00	0	1	1	0	0	6	0	100%	100%	Apr-23	86%	0.2	100%	86%
Andorra	79 824	0.00	0	0	0	0	0	0	-	75%	50%	Mar-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Austria	8 939 617	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Azerbaijan	10 358 074	0.39	4	0	0	0	0	22	-	100%	75%	Apr-23	100%	0.2	-	100%
Belarus ⁷	9 534 955	0.00	0	0	0	0	0	58	-	100%	75%	Apr-23	100%	0.6	-	0%
Belgium ⁸	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.00	0	1	0	0	1	-	-	100%	100%	Apr-23	-	-	-	-
Bulgaria	6 781 953	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Croatia	4 030 358	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Cyprus	1 251 489	0.00	0	0	0	0	0	-	-	100%	50%	Apr-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Denmark ⁸	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	34	-	100%	100%	Apr-23	100%	2.6	-	100%
Finland	5 540 746	0.18	1	1	1	0	0	-	0	100%	75%	Apr-23	100%	-	0%	0%
France ⁸	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	2	-	100%	100%	Apr-23	100%	0.1	-	100%
Germany	83 369 843	0.10	8	2	2	0	0	-	0	100%	75%	Apr-23	100%	-	100%	0%
Greece	10 384 971	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Hungary	9 967 308	0.00	0	0	0	0	0	0	-	100%	75%	Apr-23	-	0.0	-	-
Iceland	372 899	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Ireland	5 023 109	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Israel	9 038 309	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Italy	59 037 474	0.15	9	8	5	0	3	5	0	100%	100%	Apr-23	92%	0.0	63%	0%
Kazakhstan	19 397 998	0.00	0	4	3	1	0	-	-	100%	75%	Apr-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	0.30	2	9	9	0	0	195	1	100%	100%	Apr-23	87%	2.9	11%	91%
Latvia	1 850 651	0.54	1	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Lithuania	2 750 055	0.36	1	0	0	0	0	-	-	100%	50%	Apr-23	-	-	-	-
Luxembourg	647 599	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Malta	533 286	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Monaco	36 469	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Montenegro	627 083	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Netherlands	17 564 014	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Norway	5 434 319	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Poland	39 857 146	3.81	152	82	2	0	80	-	-	100%	50%	Apr-23	-	-	-	-
Portugal	10 270 865	0.00	0	0	0	0	0	2	-	100%	100%	Apr-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Romania	19 659 267	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Russian Federation	144 713 314	0.00	0	2	1	1	0	0	0	100%	100%	Apr-23	100%	0.0	100%	50%
San Marino	33 661	0.00	0	0	0	0	0	0	-	100%	75%	Apr-23	-	0.0	-	-
Serbia ⁷	7 221 366	-	-	0	0	0	0	125	-	100%	75%	Apr-23	97%	1.7	-	96%
Slovakia	5 643 453	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Slovenia	2 119 844	0.00	0	0	0	0	0	-	-	100%	100%	Apr-23	-	-	-	-
Spain	47 558 630	0.00	0	0	0	0	0	1	-	100%	100%	Apr-23	100%	0.0	-	100%
Sweden	10 549 347	0.00	0	0	0	0	0	0	-	100%	100%	Apr-23	-	0.0	-	-
Switzerland	8 740 472	0.00	0	0	0	0	0	13	-	100%	100%	Apr-23	100%	0.1	-	15%
Tajikistan	9 952 787	0.00	0	0	0	0	0	3	-	100%	75%	Apr-23	100%	0.0	-	100%
Türkiye ⁷	85 341 241	0.47	40	21	21	0	0	1158	0	100%	25%	Apr-23	100%	1.4	100%	98%
Turkmenistan ⁷	6 430 771	0.00	0	0	0	0	0	27	-	100%	100%	Apr-23	100%	0.4	-	100%
Ukraine	39 701 739	0.23	9	2	1	0	1	31	0	100%	100%	Apr-23	97%	0.1	50%	100%
United Kingdom	67 508 936	0.00	0	0	0	0	0	-	-	100%	75%	Apr-23	-	-	-	-
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	-	100%	50%	Apr-23	-	0.0	-	-
Region	931 065 684	0.24	227	133	46	2	85	1682	1	94%	80%		98%	0.3	72%	92%

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, North Macedonia 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—April 2023 (data as of 31 May 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%	75%	Apr-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	519	76 (15)	B3,D8	100%	1434	0 (0)	-	-	75%	50%	Apr-23
Azerbaijan	83	1 (1)	-	-	30	0 (0)	-	-	100%	100%	Apr-23
Belarus	-	-	D8	100%	-	-	-	-	-	-	No report
Belgium	-	-	B3	100%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	5	1 (20)	-	-	12	0 (0)	-	-	100%	100%	Apr-23
Bulgaria	9	0 (0)	-	-	9	0 (0)	-	-	75%	75%	Mar-23
Croatia	4	0 (0)	-	-	0	-	-	-	100%	100%	Apr-23
Cyprus	23	0 (0)	-	-	21	0 (0)	-	-	75%	25%	Mar-23
Czech Republic	8	2 (25)	-	-	25	1 (4)	-	-	100%	100%	Apr-23
Denmark	230	12 (5)	B3	100%	26	6 (23)	-	-	100%	100%	Apr-23
Estonia	31	2 (6)	D8	100%	1	0 (0)	-	-	100%	100%	Apr-23
Finland	10	0 (0)	-	-	7	0 (0)	-	-	100%	100%	Apr-23
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	23	5 (22)	-	-	22	0 (0)	-	-	100%	100%	Apr-23
Germany	91	15 (16)	B3	100%	70	1 (1)	-	-	100%	75%	Apr-23
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	32	0 (0)	-	-	33	0 (0)	-	-	100%	100%	Apr-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	171	3 (2)	-	-	798	0 (0)	-	-	100%	100%	Apr-23
Israel	67	2 (3)	-	-	148	67 (45)	-	-	75%	50%	Mar-23
Italy	80	11 (14)	D8	100%	11	0 (0)	-	-	100%	100%	Apr-23
Kazakhstan	364	262 (72)	D8	100%	259	3 (1)	-	-	100%	100%	Apr-23
Kyrgyzstan	428	229 (54)	-	-	416	9 (2)	-	-	100%	75%	Apr-23
Latvia	50	1 (2)	-	-	34	2 (6)	-	-	100%	100%	Apr-23
Lithuania	21	0 (0)	-	-	21	1 (5)	-	-	100%	100%	Apr-23
Luxembourg	28	0 (0)	-	-	0	-	-	-	100%	75%	Apr-23
Malta	16	1 (6)	-	-	269	1 (0)	-	-	100%	0%	Apr-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	9	0 (0)	-	-	3	0 (0)	-	-	100%	100%	Apr-23
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	0	-	-	-	0	-	-	-	100%	100%	Apr-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	3	0 (0)	-	-	1	0 (0)	-	-	100%	100%	Apr-23
Republic of Moldova	61	0 (0)	-	-	61	0 (0)	-	-	100%	100%	Apr-23
Romania	125	73 (58)	D8	94%	48	0 (0)	-	-	100%	100%	Apr-23
Russian Federation	4652	2114 (45)	D8	97%	4341	58 (1)	-	-	100%	100%	Apr-23
San Marino											No lab
Serbia	165	54 (33)	B3	100%	215	1 (0)	-	-	100%	100%	Apr-23
Slovakia	28	10 (36)	-	-	15	0 (0)	-	-	100%	100%	Apr-23
Slovenia	29	0 (0)	-	-	14	0 (0)	-	-	100%	100%	Apr-23
Spain	-	-	D8	100%	-	-	-	-	-	-	No report
Sweden	386	12 (3)	B3,D8	100%	732	6 (1)	-	-	100%	100%	Apr-23
Switzerland	61	15 (25)	B3,D8	100%	1	1 (100)	1J	100%	100%	100%	Apr-23
Tajikistan	-	-	-	-	-	-	-	-	-	-	No report
Türkiye	-	-	-	-	-	-	-	-	-	-	No report
Turkmenistan	20	0 (0)	-	-	20	0 (0)	-	-	100%	100%	Apr-23
Ukraine	8	1 (13)	-	-	8	0 (0)	-	-	100%	100%	Apr-23
United Kingdom	411	35 (9)	B3,D8	100%	34	0 (0)	-	-	75%	75%	Mar-23
Uzbekistan	69	37 (54)	-	-	69	0 (0)	-	-	100%	75%	Apr-23
Region	8329	2977 (36)	-	99%	9209	158 (2)	-	100%	69%	63%	

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-gmrii.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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