

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 June 2022—May 2023 (data as of 13 July 2023)

Country	Total Population in 2022 ¹	Incidence Rate June 2022-May 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	
Albania	2 842 321	1.41	4	0	0	0	0	1	0	0	0	3	0	0	0	May-23
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Armenia	2 780 469	70.85	197	0	0	0	0	0	0	0	0	11	84	47	55	May-23
Austria	8 939 617	13.31	119	0	0	0	0	0	0	0	1	50	53	15	-	Apr-23
Azerbaijan	10 358 074	0.10	1	0	0	0	0	0	0	0	0	0	0	1	-	Apr-23
Belarus	9 534 955	1.99	19	0	0	0	0	0	0	0	0	1	0	13	5	May-23
Belgium	11 655 930	2.23	26	3	0	0	2	2	1	5	0	0	1	5	7	May-23
Bosnia and Herzegovina	3 233 527	2.16	7	0	1	0	1	2	0	0	0	2	0	0	1	May-23
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Croatia	4 030 358	0.00	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	May-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Denmark	5 882 262	0.17	1	0	0	0	0	0	0	0	0	0	1	0	0	May-23
Estonia	1 326 062	2.26	3	0	0	0	0	0	0	0	1	0	1	0	1	May-23
Finland	5 540 746	0.18	1	0	0	0	1	0	0	0	0	0	0	0	-	Apr-23
France	64 626 628	0.32	21	0	4	2	2	2	0	0	3	1	5	2	0	May-23
Georgia	3 744 386	4.54	17	3	2	0	0	3	0	0	2	0	4	2	1	May-23
Germany	83 369 843	0.32	27	1	1	1	0	1	2	1	1	1	4	8	6	May-23
Greece	10 384 971	0.00	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	May-23
Iceland	372 899	0.00	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	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	-	Apr-23
Italy	59 037 474	0.36	21	0	0	0	3	7	3	1	1	1	3	1	1	May-23
Kazakhstan	19 397 998	45.00	873	0	0	3	1	0	0	-	0	7	109	153	600	May-23
Kyrgyzstan	6 630 623	82.04	544	1	0	0	1	1	0	11	2	6	78	235	209	May-23
Latvia	1 850 651	0.54	1	0	0	0	0	0	0	0	0	0	0	1	0	May-23
Lithuania	2 750 055	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Netherlands	17 564 014	0.34	6	0	0	1	0	0	5	0	0	0	0	0	0	May-23
North Macedonia	2 093 599	0.48	1	0	0	0	0	0	0	0	0	0	1	0	0	May-23
Norway	5 434 319	0.18	1	0	0	1	0	0	0	0	0	0	0	0	0	May-23
Poland	39 857 146	0.63	25	0	2	2	3	2	4	6	1	0	1	2	2	May-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Republic of Moldova	3 272 996	0.31	1	0	0	0	0	0	0	0	0	0	0	0	1	May-23
Romania	19 659 267	3.41	67	1	2	0	0	0	0	2	5	14	40	3	0	May-23
Russian Federation	144 713 314	9.24	1337	6	0	6	3	6	14	67	177	277	385	306	90	May-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Serbia	7 221 366	6.65	48	0	0	0	0	0	0	0	23	16	6	3	0	May-23
Slovakia	5 643 453	1.06	6	0	0	0	0	0	0	0	2	1	0	3	0	May-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Spain	47 558 630	0.08	4	0	0	0	0	0	0	1	1	1	0	0	1	May-23
Sweden	10 549 347	0.66	7	3	0	0	0	0	0	0	0	0	1	2	1	May-23
Switzerland	8 740 472	2.86	25	0	0	0	0	0	0	1	4	1	0	5	14	May-23
Tajikistan	9 952 787	53.05	528	49	50	33	48	47	33	17	76	130	45	0	-	Apr-23
Türkiye	85 341 241	25.16	2147	11	12	6	9	16	17	25	193	340	445	506	567	May-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Ukraine	39 701 739	0.73	29	2	1	0	0	0	3	2	1	2	8	7	3	May-23
United Kingdom	67 508 936	2.06	139	23	13	3	1	4	1	1	12	9	14	27	31	May-23
Uzbekistan	34 627 653	2.57	89	2	0	0	0	0	0	0	1	9	27	2	48	May-23
Region	931 065 684	6.81	6343	105	88	58	75	94	84	140	507	883	1316	1349	1644	

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.

¹Population 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 June 2022—May 2023 (data as of 13 July 2023)

Country	Total Population in 2022 ¹	Incidence Rate June 2022-May 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	
Albania	2 842 321	0.35	1	0	0	0	0	0	0	0	1	0	0	0	0	May-23
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Armenia	2 780 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Austria	8 939 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Apr-23
Azerbaijan	10 358 074	0.19	2	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	May-23
Belgium ²	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.31	1	0	0	0	0	0	0	0	0	1	0	0	0	May-23
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Croatia	4 030 358	0.00	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	May-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-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	May-23
Finland	5 540 746	0.18	1	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	May-23
Germany	83 369 843	0.10	8	2	1	1	1	0	0	1	0	1	1	0	0	May-23
Greece	10 384 971	0.00	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	May-23
Iceland	372 899	0.00	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	May-23
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Apr-23
Italy	59 037 474	0.25	15	0	1	1	3	1	0	1	3	1	4	0	0	May-23
Kazakhstan	19 397 998	0.21	4	0	0	0	0	0	0	-	0	0	1	3	0	May-23
Kyrgyzstan	6 630 623	1.66	11	0	0	0	0	1	0	1	2	3	1	3	0	May-23
Latvia	1 850 651	0.54	1	0	0	0	0	1	0	0	0	0	0	0	0	May-23
Lithuania	2 750 055	0.36	1	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	May-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Netherlands	17 564 014	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
North Macedonia	2 093 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Norway	5 434 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Poland	39 857 146	5.22	208	13	11	13	11	20	14	22	19	13	22	28	22	May-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Romania	19 659 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Russian Federation	144 713 314	0.01	2	0	0	0	0	0	0	0	0	0	1	1	0	May-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Serbia	7 221 366	0.00	0	-	-	-	-	-	-	-	0	0	0	0	0	May-23
Slovakia	5 643 453	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Spain	47 558 630	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Sweden	10 549 347	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Switzerland	8 740 472	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Tajikistan	9 952 787	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Apr-23
Türkiye	85 341 241	0.56	48	6	5	0	1	3	5	5	5	6	8	2	2	May-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Ukraine	39 701 739	0.18	7	2	0	1	0	1	1	0	0	1	0	1	0	May-23
United Kingdom	67 508 936	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	May-23
Region	931 065 684	0.33	310	23	19	16	17	27	21	30	30	26	39	38	24	

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—May 2023 (data as of 13 July 2023)

Country	Total Population in 2022 ¹	2022 (as of 13 July 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%	80%	May-23	100%	0.2	100%	100%
Andorra	79 824	0.00	0	-	0	0	0	0	0	-	-	100%	60%	May-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	-	197	191	6	0	483	4	0	100%	100%	May-23	100%	17.4	100%	100%
Austria	8 939 617	0.11	1	0	119	118	0	1	20	2	0	80%	80%	Apr-23	88%	0.2	96%	0%
Azerbaijan	10 358 074	0.10	1	0	1	1	0	0	88	0	0	80%	60%	Apr-23	100%	0.8	100%	100%
Belarus ⁷	9 534 955	0.00	0	-	19	19	0	0	164	0	0	100%	80%	May-23	100%	1.7	0%	0%
Belgium	11 655 930	1.46	17	0	13	13	0	0	-	-	0	100%	80%	May-23	-	-	-	-
Bosnia and Herzegovina	3 233 527	1.86	6	0	3	1	0	2	-	-	0	100%	100%	May-23	-	-	-	-
Bulgaria	6 781 953	0.15	1	0	0	0	0	0	-	-	-	100%	100%	May-23	-	-	-	-
Croatia	4 030 358	0.00	0	-	0	0	0	0	0	-	-	80%	60%	Apr-23	-	0.0	-	-
Cyprus	1 251 489	0.00	0	-	0	0	0	0	-	-	-	100%	60%	May-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	-	0	0	0	0	-	-	-	100%	80%	May-23	-	-	-	-
Denmark	5 882 262	0.00	0	-	1	1	0	0	-	0	0	100%	80%	May-23	100%	-	0	0%
Estonia	1 326 062	0.00	0	-	3	3	0	0	103	3	0	100%	100%	May-23	100%	7.8	100%	100%
Finland	5 540 746	0.18	1	0	0	0	0	0	-	-	-	80%	60%	Apr-23	-	-	-	-
France	64 626 628	0.29	19	0	11	7	0	4	-	7	0	100%	100%	May-23	100%	-	100%	0%
Georgia	3 744 386	3.20	12	0	9	8	0	1	14	0	0	100%	80%	May-23	100%	0.4	100%	96%
Germany	83 369 843	0.18	15	0	20	17	0	3	-	5	0	100%	100%	May-23	85%	-	80%	0%
Greece	10 384 971	0.00	0	-	0	0	0	0	0	-	-	80%	80%	Apr-23	-	0.0	-	-
Hungary	9 967 308	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-23	-	0.0	-	-
Iceland	372 899	0.00	0	-	0	0	0	0	-	-	-	80%	80%	Apr-23	-	-	-	-
Ireland	5 023 109	0.40	2	0	0	0	0	0	-	-	-	80%	80%	Apr-23	-	-	-	-
Israel	9 038 309	0.00	0	-	0	0	0	0	-	-	-	80%	60%	Apr-23	-	-	-	-
Italy	59 037 474	0.34	20	0	7	4	0	3	18	2	0	100%	100%	May-23	92%	0.0	43%	0%
Kazakhstan	19 397 998	0.21	4	0	869	818	40	11	-	-	0	100%	80%	May-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	3.47	23	0	530	374	56	100	291	5	0	100%	100%	May-23	83%	4.4	1%	95%
Latvia	1 850 651	0.00	0	-	1	1	0	0	-	1	0	100%	80%	May-23	100%	-	100%	100%
Lithuania	2 750 055	0.00	0	-	0	0	0	0	-	-	-	100%	60%	May-23	-	-	-	-
Luxembourg	647 599	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-23	-	0.0	-	-
Malta	533 286	0.00	0	-	0	0	0	0	-	-	-	100%	80%	May-23	-	-	-	-
Monaco	36 469	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-23	-	0.0	-	-
Montenegro	627 083	0.00	0	-	0	0	0	0	0	-	-	100%	100%	May-23	-	0.0	-	-
Netherlands	17 564 014	0.34	6	0	0	0	0	0	-	-	-	100%	80%	May-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	-	1	1	0	0	-	-	0	100%	80%	May-23	-	-	-	-
Norway	5 434 319	0.18	1	0	0	0	0	0	-	-	-	100%	100%	May-23	-	-	-	-
Poland	39 857 146	0.88	35	0	6	3	0	3	-	0	0	100%	80%	May-23	50%	-	100%	67%
Portugal	10 270 865	0.00	0	-	0	0	0	0	2	-	-	100%	100%	May-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	-	1	1	0	0	71	1	0	100%	100%	May-23	100%	2.2	100%	100%
Romania	19 659 267	0.46	9	0	62	59	1	2	-	0	0	100%	60%	May-23	98%	-	0	76%
Russian Federation	144 713 314	0.81	117	0	1235	1193	38	4	2439	81	0	100%	100%	May-23	100%	1.7	100%	31%
San Marino	33 661	0.00	0	-	0	0	0	0	0	-	-	100%	80%	May-23	-	0.0	-	-
Serbia ⁷	7 221 366	0.00	0	-	48	47	1	0	130	0	0	100%	80%	May-23	100%	1.8	100%	99%
Slovakia	5 643 453	0.00	0	-	6	6	0	0	3	2	0	100%	100%	May-23	89%	0.1	100%	100%
Slovenia	2 119 844	0.00	0	-	0	0	0	0	-	-	-	100%	100%	May-23	-	-	-	-
Spain	47 558 630	0.02	1	0	3	3	0	0	18	1	0	100%	100%	May-23	81%	0.0	100%	81%
Sweden	10 549 347	0.38	4	0	4	4	0	0	-	2	0	100%	100%	May-23	100%	-	50%	75%
Switzerland	8 740 472	0.11	1	0	24	21	2	1	63	0	0	100%	100%	May-23	100%	0.7	0	36%
Tajikistan	9 952 787	45.31	451	0	251	206	45	0	107	240	0	80%	60%	Apr-23	100%	1.1	100%	100%
Türkiye ⁷	85 341 241	1.49	127	0	2051	2051	0	0	1702	38	0	100%	40%	May-23	100%	2.0	83%	98%
Turkmenistan ⁷	6 430 771	0.00	0	-	0	0	0	0	40	-	-	100%	100%	May-23	100%	0.6	-	100%
Ukraine	39 701 739	0.28	11	0	21	17	0	4	56	0	0	100%	100%	May-23	92%	0.1	86%	100%
United Kingdom	67 508 936	0.74	50	0	93	93	0	0	-	15	0	100%	60%	May-23	100%	-	91%	0%
Uzbekistan	34 627 653	0.23	8	0	87	87	0	0	89	12	0	100%	60%	May-23	100%	0.3	83%	98%
Region	931 065 684	1.01	944	0	5699	5371	189	139	5907	421	0	97%	84%		98%	1.1	79%	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—May 2023 (data as of 13 July 2023)

Country	Total Population in 2022 ¹	2022 (as of 13 July 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%	80%	May-23	86%	0.2	100%	86%
Andorra	79 824	0.00	0	0	0	0	0	0	-	100%	60%	May-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Austria	8 939 617	0.00	0	0	0	0	0	-	-	80%	80%	Apr-23	-	-	-	-
Azerbaijan	10 358 074	0.39	4	0	0	0	0	22	-	80%	60%	Apr-23	100%	0.2	-	100%
Belarus ⁷	9 534 955	0.00	0	0	0	0	0	164	-	100%	80%	May-23	100%	1.7	-	0%
Belgium ⁸	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.00	0	1	0	0	1	-	-	100%	100%	May-23	-	-	-	-
Bulgaria	6 781 953	0.00	0	0	0	0	0	-	-	100%	100%	May-23	-	-	-	-
Croatia	4 030 358	0.00	0	0	0	0	0	-	-	80%	60%	Apr-23	-	-	-	-
Cyprus	1 251 489	0.00	0	0	0	0	0	-	-	100%	60%	May-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
Denmark ⁸	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	41	-	100%	100%	May-23	100%	3.1	-	100%
Finland	5 540 746	0.18	1	1	1	0	0	-	0	80%	60%	Apr-23	100%	-	0%	0%
France ⁸	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	2	-	100%	100%	May-23	100%	0.1	-	100%
Germany	83 369 843	0.10	8	2	2	0	0	-	0	100%	80%	May-23	100%	-	100%	0%
Greece	10 384 971	0.00	0	0	0	0	0	-	-	80%	80%	Apr-23	-	-	-	-
Hungary	9 967 308	0.00	0	0	0	0	0	0	-	100%	80%	May-23	-	0.0	-	-
Iceland	372 899	0.00	0	0	0	0	0	-	-	80%	80%	Apr-23	-	-	-	-
Ireland	5 023 109	0.00	0	0	0	0	0	-	-	100%	100%	May-23	-	-	-	-
Israel	9 038 309	0.00	0	0	0	0	0	-	-	80%	60%	Apr-23	-	-	-	-
Italy	59 037 474	0.14	8	8	5	0	3	5	0	100%	100%	May-23	92%	0.0	63%	0%
Kazakhstan	19 397 998	0.00	0	4	3	1	0	-	-	100%	80%	May-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	0.30	2	9	9	0	0	291	1	100%	100%	May-23	85%	4.4	11%	93%
Latvia	1 850 651	0.54	1	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
Lithuania	2 750 055	0.36	1	0	0	0	0	-	-	80%	40%	Apr-23	-	-	-	-
Luxembourg	647 599	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Malta	533 286	0.00	0	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
Monaco	36 469	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Montenegro	627 083	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Netherlands	17 564 014	0.00	0	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
Norway	5 434 319	0.00	0	0	0	0	0	-	-	100%	100%	May-23	-	-	-	-
Poland	39 857 146	3.81	152	104	3	0	101	-	-	100%	60%	May-23	-	-	-	-
Portugal	10 270 865	0.00	0	0	0	0	0	3	-	100%	100%	May-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Romania	19 659 267	0.00	0	0	0	0	0	-	-	100%	80%	May-23	-	-	-	-
Russian Federation	144 713 314	0.00	0	2	1	1	0	0	0	100%	100%	May-23	100%	0.0	100%	50%
San Marino	33 661	0.00	0	0	0	0	0	0	-	100%	80%	May-23	-	0.0	-	-
Serbia ⁷	7 221 366	-	-	0	0	0	0	130	-	100%	80%	May-23	97%	1.8	-	96%
Slovakia	5 643 453	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Slovenia	2 119 844	0.00	0	0	0	0	0	-	-	100%	100%	May-23	-	-	-	-
Spain	47 558 630	0.00	0	0	0	0	0	1	-	100%	100%	May-23	100%	0.0	-	100%
Sweden	10 549 347	0.00	0	0	0	0	0	0	-	100%	100%	May-23	-	0.0	-	-
Switzerland	8 740 472	0.00	0	0	0	0	0	13	-	100%	100%	May-23	100%	0.1	-	15%
Tajikistan	9 952 787	0.00	0	0	0	0	0	3	-	80%	60%	Apr-23	100%	0.0	-	100%
Türkiye ⁷	85 341 241	0.47	40	23	23	0	0	1702	0	100%	40%	May-23	100%	2.0	100%	98%
Turkmenistan ⁷	6 430 771	0.00	0	0	0	0	0	40	-	100%	100%	May-23	100%	0.6	-	100%
Ukraine	39 701 739	0.23	9	2	1	0	1	41	0	100%	100%	May-23	98%	0.1	50%	100%
United Kingdom	67 508 936	0.00	0	0	0	0	0	-	-	100%	60%	May-23	-	-	-	-
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	-	100%	60%	May-23	-	0.0	-	-
Region	931 065 684	0.24	226	157	49	2	106	2464	1	91%	78%		98%	0.5	73%	90%

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—May 2023 (data as of 13 July 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%	60%	May-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	655	79 (12)	B3,D8	100%	1903	0 (0)	-	-	80%	60%	May-23
Azerbaijan	99	3 (3)	-	-	37	0 (0)	-	-	100%	100%	May-23
Belarus	-	-	D8	100%	-	-	-	-	-	-	No report
Belgium	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	16	1 (6)	-	-	12	0 (0)	-	-	80%	80%	Apr-23
Bulgaria	14	0 (0)	-	-	14	0 (0)	-	-	100%	80%	May-23
Croatia	4	0 (0)	-	-	0	-	-	-	100%	100%	May-23
Cyprus	33	0 (0)	-	-	45	0 (0)	-	-	100%	40%	May-23
Czech Republic	9	2 (22)	-	-	31	1 (3)	-	-	100%	100%	May-23
Denmark	267	12 (4)	B3	100%	27	6 (22)	-	-	100%	100%	May-23
Estonia	36	4 (11)	D8	100%	3	0 (0)	-	-	100%	100%	May-23
Finland	12	0 (0)	-	-	9	0 (0)	-	-	100%	100%	May-23
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	28	8 (29)	-	-	26	0 (0)	-	-	100%	100%	May-23
Germany	142	40 (28)	B3,D8	94%	88	1 (1)	-	-	100%	80%	May-23
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	35	0 (0)	-	-	36	0 (0)	-	-	100%	100%	May-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	210	5 (2)	-	-	1025	4 (0)	-	-	100%	100%	May-23
Israel	102	6 (6)	-	-	256	111 (43)	-	-	100%	60%	May-23
Italy	97	14 (14)	D8	100%	14	0 (0)	-	-	100%	100%	May-23
Kazakhstan	992	809 (82)	B3,D8	73%	646	3 (0)	-	-	100%	100%	May-23
Kyrgyzstan	829	431 (52)	-	-	767	10 (1)	-	-	100%	80%	May-23
Latvia	66	1 (2)	D8	100%	39	2 (5)	-	-	100%	100%	May-23
Lithuania	24	0 (0)	-	-	24	1 (4)	-	-	100%	100%	May-23
Luxembourg	28	0 (0)	-	-	0	-	-	-	100%	80%	May-23
Malta	16	1 (6)	-	-	269	1 (0)	-	-	80%	0%	Apr-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	10	0 (0)	-	-	2	0 (0)	-	-	100%	100%	May-23
North Macedonia	39	1 (3)	-	-	4	3 (75)	-	-	100%	0%	May-23
Norway	0	-	-	-	0	-	-	-	100%	100%	May-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	3	0 (0)	-	-	1	0 (0)	-	-	80%	80%	Apr-23
Republic of Moldova	72	1 (1)	-	-	72	0 (0)	-	-	100%	100%	May-23
Romania	232	146 (63)	D8	97%	76	1 (1)	-	-	100%	100%	May-23
Russian Federation	7139	3554 (50)	D8	98%	6839	77 (1)	-	-	100%	100%	May-23
San Marino											No lab
Serbia	170	54 (32)	B3	100%	220	1 (0)	-	-	100%	100%	May-23
Slovakia	29	10 (34)	-	-	15	0 (0)	-	-	100%	100%	May-23
Slovenia	30	0 (0)	-	-	15	0 (0)	-	-	100%	100%	May-23
Spain	-	-	D8	100%	-	-	-	-	-	-	No report
Sweden	567	24 (4)	B3,D8	100%	878	8 (1)	-	-	100%	100%	May-23
Switzerland	91	33 (36)	B3,D8	100%	2	1 (50)	1J	100%	100%	100%	May-23
Tajikistan	230	168 (73)	-	-	211	0 (0)	-	-	60%	60%	Mar-23
Türkiye	-	-	-	-	-	-	-	-	-	-	No report
Turkmenistan	42	0 (0)	-	-	42	0 (0)	-	-	100%	100%	May-23
Ukraine	45	4 (9)	-	-	30	2 (7)	-	-	100%	100%	May-23
United Kingdom	411	35 (9)	B3,D8	93%	34	0 (0)	-	-	60%	60%	Mar-23
Uzbekistan	170	79 (46)	-	-	170	2 (1)	-	-	100%	80%	May-23
Region	13003	5528 (43)	-	96%	13883	236 (2)	-	100%	72%	64%	

¹ Data source: Monthly aggregated or specimen-based data reported to WHO/Europe.² MeaNS: <http://www.who-measles.org/>. Timeliness of sequence reporting relates to the time between specimen collection and reporting to MeaNS.³ RubeNS: <https://who-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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