

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 April 2022—March 2023 (data as of 04 May 2023)

Country	Total Population in 2022 ¹	Incidence Rate April 2022-March 2023 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	
Albania	2 842 321	1.41	4	0	0	0	0	0	0	1	0	0	0	3	0	Mar-23
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Armenia	2 780 469	31.29	87	0	0	0	0	0	0	0	0	0	0	11	76	Mar-23
Austria	8 939 617	11.75	105	0	1	0	0	0	0	0	0	0	1	50	53	Mar-23
Azerbaijan	10 358 074	0.29	3	0	1	0	0	0	0	0	0	0	0	0	2	Mar-23
Belarus	9 534 955	0.10	1	0	0	0	0	0	0	0	0	0	0	1	0	Mar-23
Belgium	11 655 930	2.49	29	1	2	3	0	0	2	2	1	5	5	1	7	Mar-23
Bosnia and Herzegovina	3 233 527	1.86	6	0	0	0	1	0	1	2	0	0	0	2	0	Mar-23
Bulgaria	6 781 953	0.15	1	1	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Denmark	5 882 262	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Feb-23
Estonia	1 326 062	0.75	1	0	0	0	0	0	0	0	0	0	1	0	0	Mar-23
Finland	5 540 746	0.18	1	0	0	0	0	0	1	0	0	0	0	0	0	Mar-23
France	64 626 628	0.42	27	7	1	0	4	2	2	2	0	0	3	1	5	Mar-23
Georgia	3 744 386	4.01	15	1	1	3	2	0	0	3	0	0	2	0	3	Mar-23
Germany	83 369 843	0.17	14	1	1	1	1	1	0	1	2	1	1	1	3	Mar-23
Greece	10 384 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Ireland	5 023 109	0.40	2	1	0	0	0	0	0	0	1	0	0	0	0	Mar-23
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Italy	59 037 474	0.29	17	0	1	0	0	0	3	6	3	1	1	1	1	Mar-23
Kazakhstan	19 397 998	6.19	120	0	0	0	0	3	1	0	0	-	0	7	109	Mar-23
Kyrgyzstan	6 630 623	11.46	76	1	0	1	0	0	1	1	0	11	2	5	54	Mar-23
Latvia	1 850 651	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Lithuania	2 750 055	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Netherlands	17 564 014	0.34	6	0	0	0	0	1	0	0	5	0	0	0	-	Feb-23
North Macedonia	2 093 599	0.48	1	0	0	0	0	0	0	0	0	0	0	0	1	Mar-23
Norway	5 434 319	0.18	1	0	0	0	0	1	0	0	0	0	0	0	0	Mar-23
Poland	39 857 146	0.73	29	3	5	0	2	2	3	2	4	6	1	0	1	Mar-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Romania	19 659 267	3.31	65	0	1	1	2	0	0	0	0	2	5	14	40	Mar-23
Russian Federation	144 713 314	5.99	867	5	3	6	0	6	3	6	14	64	153	264	343	Mar-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Serbia	7 221 366	6.51	47	0	0	0	0	0	0	0	0	0	25	16	6	Mar-23
Slovakia	5 643 453	0.53	3	0	0	0	0	0	0	0	0	0	2	1	0	Mar-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Spain	47 558 630	0.08	4	0	0	0	0	0	0	0	0	1	1	2	0	Mar-23
Sweden	10 549 347	0.47	5	0	1	3	0	0	0	0	0	0	0	0	1	Mar-23
Switzerland	8 740 472	0.69	6	0	0	0	0	0	0	0	0	1	4	1	0	Mar-23
Tajikistan	9 952 787	56.37	561	46	40	49	50	33	48	47	33	17	76	122	-	Feb-23
Türkiye	85 341 241	5.35	457	11	7	11	12	6	9	16	17	25	175	168	-	Feb-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Ukraine	39 701 739	0.45	18	0	0	2	1	0	0	0	3	2	1	2	7	Mar-23
United Kingdom	67 508 936	1.10	74	0	3	23	13	3	1	4	1	1	12	8	5	Mar-23
Uzbekistan	34 627 653	1.27	44	4	2	2	0	0	0	0	0	0	2	10	24	Mar-23
Region	931 065 684	2.90	2697	82	70	105	88	58	75	93	84	137	473	691	741	

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 April 2022—March 2023 (data as of 04 May 2023)

Country	Total Population in 2022 ¹	Incidence Rate April 2022–March 2023 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	
Albania	2 842 321	0.35	1	0	0	0	0	0	0	0	0	0	1	0	0	Mar-23
Andorra	79 824	0.00	0	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	Mar-23
Austria	8 939 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Azerbaijan	10 358 074	0.39	4	2	0	0	1	0	1	0	0	0	0	0	0	Mar-23
Belarus	9 534 955	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Belgium ²	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.31	1	0	0	0	0	0	0	0	0	0	0	1	0	Mar-23
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-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	Mar-23
Finland	5 540 746	0.36	2	1	0	0	0	0	0	0	0	0	0	0	1	Mar-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	Mar-23
Germany	83 369 843	0.10	8	0	0	2	1	1	1	0	0	1	0	1	1	Mar-23
Greece	10 384 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Ireland	5 023 109	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Italy	59 037 474	0.24	14	0	0	0	1	1	3	0	1	1	3	1	3	Mar-23
Kazakhstan	19 397 998	0.05	1	0	0	0	0	0	0	0	0	-	0	0	1	Mar-23
Kyrgyzstan	6 630 623	1.06	7	0	0	0	0	0	0	1	0	1	2	3	0	Mar-23
Latvia	1 850 651	0.54	1	0	0	0	0	0	0	1	0	0	0	0	0	Mar-23
Lithuania	2 750 055	0.36	1	0	0	0	0	0	0	0	1	0	0	0	0	Mar-23
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Netherlands	17 564 014	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Feb-23
North Macedonia	2 093 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Norway	5 434 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Poland	39 857 146	4.57	182	15	8	13	11	13	11	20	14	22	19	14	22	Mar-23
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Romania	19 659 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Russian Federation	144 713 314	0.01	1	0	0	0	0	0	0	0	0	0	0	0	1	Mar-23
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Serbia	7 221 366	0.00	0	-	-	-	-	-	-	-	-	-	0	0	0	Mar-23
Slovakia	5 643 453	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Spain	47 558 630	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Sweden	10 549 347	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Switzerland	8 740 472	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Tajikistan	9 952 787	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Feb-23
Türkiye	85 341 241	0.45	38	3	2	6	5	0	1	3	5	5	4	4	-	Feb-23
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Ukraine	39 701 739	0.18	7	0	1	2	0	1	0	1	1	0	0	1	0	Mar-23
United Kingdom	67 508 936	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Mar-23
Region	931 065 684	0.29	268	21	11	23	19	16	17	26	22	30	29	25	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, 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—March 2023 (data as of 04 May 2023)

Country	Total Population in 2022 ¹	2022 (as of 04 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	5	0	0	100%	100%	Mar-23	100%	0.2	100%	100%
Andorra	79 824	0.00	0	-	0	0	0	0	0	-	-	100%	67%	Mar-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	-	87	85	2	0	305	0	0	100%	100%	Mar-23	100%	11.0	100%	100%
Austria	8 939 617	0.11	1	0	104	104	0	0	16	2	0	100%	100%	Mar-23	90%	0.2	96%	0%
Azerbaijan	10 358 074	0.10	1	0	2	0	0	2	47	0	0	100%	67%	Mar-23	96%	0.5	0%	100%
Belarus ⁷	9 534 955	0.00	0	-	1	1	0	0	58	0	0	100%	100%	Mar-23	100%	0.6	0%	0%
Belgium	11 655 930	1.46	17	0	13	9	2	2	-	-	0	100%	67%	Mar-23	-	-	-	-
Bosnia and Herzegovina	3 233 527	1.86	6	0	2	0	0	2	-	-	0	100%	100%	Mar-23	-	-	-	-
Bulgaria	6 781 953	0.15	1	0	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Croatia	4 030 358	0.00	0	-	0	0	0	0	0	-	-	100%	67%	Mar-23	-	0.0	-	-
Cyprus	1 251 489	0.00	0	-	0	0	0	0	-	-	-	100%	33%	Mar-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	-	0	0	0	0	-	-	-	100%	67%	Mar-23	-	-	-	-
Denmark	5 882 262	0.00	0	-	0	0	0	0	-	-	-	67%	67%	Feb-23	-	-	-	-
Estonia	1 326 062	0.00	0	-	1	1	0	0	55	1	0	100%	100%	Mar-23	100%	4.1	100%	100%
Finland	5 540 746	0.18	1	0	0	0	0	0	-	-	-	100%	67%	Mar-23	-	-	-	-
France	64 626 628	0.29	19	0	9	6	0	3	-	6	0	100%	100%	Mar-23	100%	-	100%	0%
Georgia	3 744 386	3.20	12	0	5	4	0	1	8	0	0	100%	100%	Mar-23	100%	0.2	100%	92%
Germany	83 369 843	0.18	15	0	5	5	0	0	-	1	0	100%	100%	Mar-23	100%	-	60%	0%
Greece	10 384 971	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-23	-	0.0	-	-
Hungary	9 967 308	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-23	-	0.0	-	-
Iceland	372 899	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Ireland	5 023 109	0.40	2	0	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Israel	9 038 309	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Italy	59 037 474	0.30	18	0	3	2	0	1	14	1	0	100%	100%	Mar-23	88%	0.0	67%	0%
Kazakhstan	19 397 998	0.21	4	0	116	98	17	1	-	-	0	100%	67%	Mar-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	3.47	23	0	61	58	3	0	83	4	0	100%	100%	Mar-23	96%	1.3	7%	97%
Latvia	1 850 651	0.00	0	-	0	0	0	0	-	-	-	100%	67%	Mar-23	-	-	-	-
Lithuania	2 750 055	0.00	0	-	0	0	0	0	-	-	-	100%	33%	Mar-23	-	-	-	-
Luxembourg	647 599	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-23	-	0.0	-	-
Malta	533 286	0.00	0	-	0	0	0	0	-	-	-	100%	67%	Mar-23	-	-	-	-
Monaco	36 469	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-23	-	0.0	-	-
Montenegro	627 083	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Mar-23	-	0.0	-	-
Netherlands	17 564 014	0.34	6	0	0	0	0	0	-	-	-	67%	67%	Feb-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	-	1	1	0	0	-	-	0	100%	67%	Mar-23	-	-	-	-
Norway	5 434 319	0.18	1	0	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Poland	39 857 146	0.88	35	0	2	0	0	2	-	0	0	100%	67%	Mar-23	0%	-	100%	100%
Portugal	10 270 865	0.00	0	-	0	0	0	0	2	-	-	100%	100%	Mar-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	-	0	0	0	0	40	-	-	100%	100%	Mar-23	100%	1.2	-	100%
Romania	19 659 267	0.46	9	0	59	56	1	2	-	0	0	100%	33%	Mar-23	98%	-	0	75%
Russian Federation	144 713 314	0.79	114	0	760	742	17	1	1406	53	0	100%	100%	Mar-23	100%	1.0	100%	31%
San Marino	33 661	0.00	0	-	0	0	0	0	0	-	-	100%	67%	Mar-23	-	0.0	-	-
Serbia ⁷	7 221 366	0.00	0	-	47	44	1	2	114	0	0	100%	67%	Mar-23	100%	1.6	96%	99%
Slovakia	5 643 453	0.00	0	-	3	3	0	0	2	1	0	100%	100%	Mar-23	80%	0.0	100%	100%
Slovenia	2 119 844	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Mar-23	-	-	-	-
Spain	47 558 630	0.02	1	0	3	2	0	1	12	0	0	100%	100%	Mar-23	73%	0.0	67%	93%
Sweden	10 549 347	0.38	4	0	1	1	0	0	-	1	0	100%	100%	Mar-23	100%	-	100%	100%
Switzerland	8 740 472	0.11	1	0	5	5	0	0	46	2	0	100%	100%	Mar-23	100%	0.5	100%	8%
Tajikistan	9 952 787	45.31	451	0	198	153	45	0	14	197	0	67%	67%	Feb-23	100%	0.1	99%	100%
Türkiye ⁷	85 341 241	1.48	126	0	343	343	0	0	394	0	0	67%	33%	Feb-23	100%	0.5	87%	97%
Turkmenistan ⁷	6 430 771	0.00	0	-	0	0	0	0	13	-	-	100%	100%	Mar-23	100%	0.2	-	100%
Ukraine	39 701 739	0.28	11	0	10	7	0	3	21	0	0	100%	100%	Mar-23	84%	0.1	70%	100%
United Kingdom	67 508 936	0.74	50	0	25	25	0	0	-	2	0	100%	67%	Mar-23	100%	-	76%	0%
Uzbekistan	34 627 653	0.23	8	0	36	36	0	0	15	12	0	100%	67%	Mar-23	100%	0.0	58%	94%
Region	931 065 684	1.01	938	0	1905	1794	88	23	2670	283	0	97%	84%		99%	0.5	89%	59%

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—March 2023 (data as of 04 May 2023)

Country	Total Population in 2022 ¹	2022 (as of 04 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	5	0	100%	100%	Mar-23	83%	0.2	100%	83%
Andorra	79 824	0.00	0	0	0	0	0	0	-	100%	67%	Mar-23	-	0.0	-	-
Armenia	2 780 469	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Austria	8 939 617	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Azerbaijan	10 358 074	0.39	4	0	0	0	0	22	-	100%	67%	Mar-23	95%	0.2	-	100%
Belarus ⁷	9 534 955	0.00	0	0	0	0	0	58	-	100%	100%	Mar-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%	Mar-23	-	-	-	-
Bulgaria	6 781 953	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Croatia	4 030 358	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Cyprus	1 251 489	0.00	0	0	0	0	0	-	-	100%	33%	Mar-23	-	-	-	-
Czech Republic	10 493 986	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Denmark ⁸	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	30	-	100%	100%	Mar-23	100%	2.3	-	100%
Finland	5 540 746	0.18	1	1	1	0	0	-	0	100%	67%	Mar-23	100%	-	0%	0%
France ⁸	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	1	-	100%	100%	Mar-23	100%	0.0	-	100%
Germany	83 369 843	0.10	8	2	2	0	0	-	0	100%	67%	Mar-23	100%	-	100%	0%
Greece	10 384 971	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Hungary	9 967 308	0.00	0	0	0	0	0	0	-	100%	67%	Mar-23	-	0.0	-	-
Iceland	372 899	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Ireland	5 023 109	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Israel	9 038 309	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Italy	59 037 474	0.14	8	7	5	0	2	3	0	100%	100%	Mar-23	90%	0.0	57%	0%
Kazakhstan	19 397 998	0.00	0	1	1	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Kyrgyzstan ⁷	6 630 623	0.30	2	5	5	0	0	83	1	100%	100%	Mar-23	90%	1.3	20%	92%
Latvia	1 850 651	0.54	1	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Lithuania	2 750 055	0.36	1	0	0	0	0	-	-	100%	33%	Mar-23	-	-	-	-
Luxembourg	647 599	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Malta	533 286	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Monaco	36 469	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Montenegro	627 083	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Netherlands	17 564 014	0.00	0	0	0	0	0	-	-	67%	67%	Feb-23	-	-	-	-
North Macedonia	2 093 599	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Norway	5 434 319	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Poland	39 857 146	3.81	152	55	2	0	53	-	-	100%	33%	Mar-23	-	-	-	-
Portugal	10 270 865	0.00	0	0	0	0	0	2	-	100%	100%	Mar-23	100%	0.0	-	0%
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Romania	19 659 267	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Russian Federation	144 713 314	0.00	0	1	0	1	0	0	0	100%	100%	Mar-23	-	0.0	100%	0%
San Marino	33 661	0.00	0	0	0	0	0	0	-	100%	67%	Mar-23	-	0.0	-	-
Serbia ⁷	7 221 366	-	-	0	0	0	0	113	-	100%	67%	Mar-23	100%	1.6	-	99%
Slovakia	5 643 453	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Slovenia	2 119 844	0.00	0	0	0	0	0	-	-	100%	100%	Mar-23	-	-	-	-
Spain	47 558 630	0.00	0	0	0	0	0	1	-	100%	100%	Mar-23	100%	0.0	-	100%
Sweden	10 549 347	0.00	0	0	0	0	0	0	-	100%	100%	Mar-23	-	0.0	-	-
Switzerland	8 740 472	0.00	0	0	0	0	0	14	-	100%	100%	Mar-23	86%	0.2	-	7%
Tajikistan	9 952 787	0.00	0	0	0	0	0	3	-	67%	67%	Feb-23	100%	0.0	-	100%
Türkiye ⁷	85 341 241	0.47	40	8	8	0	0	394	0	67%	33%	Feb-23	100%	0.5	100%	98%
Turkmenistan ⁷	6 430 771	0.00	0	0	0	0	0	13	-	100%	100%	Mar-23	100%	0.2	-	100%
Ukraine	39 701 739	0.23	9	1	1	0	0	18	0	100%	100%	Mar-23	95%	0.0	0%	100%
United Kingdom	67 508 936	0.00	0	0	0	0	0	-	-	100%	67%	Mar-23	-	-	-	-
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	-	100%	67%	Mar-23	-	0.0	-	-
Region	931 065 684	0.24	226	83	26	1	56	760	1	92%	78%		98%	0.1	65%	87%

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—March 2023 (data as of 04 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	6	3 (50)	-	-	1	1 (100)	-	-	67%	67%	Feb-23
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	123	0 (0)	B3,D8	100%	460	0 (0)	-	-	33%	33%	Jan-23
Azerbaijan	56	0 (0)	-	-	18	0 (0)	-	-	100%	100%	Mar-23
Belarus	-	-	D8	100%	-	-	-	-	-	-	No report
Belgium	-	-	B3	100%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	5	1 (20)	-	-	10	0 (0)	-	-	100%	100%	Mar-23
Bulgaria	9	0 (0)	-	-	9	0 (0)	-	-	100%	100%	Mar-23
Croatia	4	0 (0)	-	-	0	-	-	-	100%	100%	Mar-23
Cyprus	23	0 (0)	-	-	21	0 (0)	-	-	100%	33%	Mar-23
Czech Republic	3	1 (33)	-	-	13	0 (0)	-	-	100%	100%	Mar-23
Denmark	186	12 (6)	-	-	17	6 (35)	-	-	100%	100%	Mar-23
Estonia	23	2 (9)	-	-	1	0 (0)	-	-	100%	100%	Mar-23
Finland	8	0 (0)	-	-	6	0 (0)	-	-	100%	100%	Mar-23
France	-	-	B3,D8	100%	-	-	-	-	-	-	No report
Georgia	15	3 (20)	-	-	15	0 (0)	-	-	100%	100%	Mar-23
Germany	70	4 (6)	B3	100%	63	1 (2)	-	-	100%	67%	Mar-23
Greece	-	-	-	-	-	-	-	-	-	-	No report
Hungary	28	0 (0)	-	-	29	0 (0)	-	-	100%	100%	Mar-23
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	129	2 (2)	-	-	606	0 (0)	-	-	100%	100%	Mar-23
Israel	67	2 (3)	-	-	148	67 (45)	-	-	100%	67%	Mar-23
Italy	69	9 (13)	D8	100%	11	0 (0)	-	-	100%	100%	Mar-23
Kazakhstan	151	110 (73)	D8	100%	111	1 (1)	-	-	100%	100%	Mar-23
Kyrgyzstan	163	52 (32)	-	-	159	6 (4)	-	-	100%	67%	Mar-23
Latvia	39	0 (0)	-	-	27	2 (7)	-	-	100%	100%	Mar-23
Lithuania	17	0 (0)	-	-	17	1 (6)	-	-	100%	100%	Mar-23
Luxembourg	28	0 (0)	-	-	0	-	-	-	100%	67%	Mar-23
Malta	10	0 (0)	-	-	215	0 (0)	-	-	100%	0%	Mar-23
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	8	0 (0)	-	-	3	0 (0)	-	-	100%	100%	Mar-23
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	0	-	-	-	0	-	-	-	100%	100%	Mar-23
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	3	0 (0)	-	-	1	0 (0)	-	-	100%	100%	Mar-23
Republic of Moldova	40	0 (0)	-	-	40	0 (0)	-	-	100%	100%	Mar-23
Romania	65	27 (42)	D8	94%	34	0 (0)	-	-	100%	100%	Mar-23
Russian Federation	3022	1285 (43)	D8	97%	2806	39 (1)	-	-	100%	100%	Mar-23
San Marino											No lab
Serbia	154	50 (32)	-	-	201	0 (0)	-	-	100%	100%	Mar-23
Slovakia	21	6 (29)	-	-	11	0 (0)	-	-	100%	100%	Mar-23
Slovenia	21	0 (0)	-	-	13	0 (0)	-	-	100%	100%	Mar-23
Spain	-	-	D8	100%	-	-	-	-	-	-	No report
Sweden	256	4 (2)	D8	100%	585	5 (1)	-	-	100%	100%	Mar-23
Switzerland	52	9 (17)	B3,D8	100%	2	2 (100)	1J	100%	100%	100%	Mar-23
Tajikistan	-	-	-	-	-	-	-	-	-	-	No report
Türkiye	-	-	-	-	-	-	-	-	-	-	No report
Turkmenistan	13	0 (0)	-	-	13	0 (0)	-	-	100%	100%	Mar-23
Ukraine	5	1 (20)	-	-	5	0 (0)	-	-	100%	100%	Mar-23
United Kingdom	411	35 (9)	B3,D8	100%	34	0 (0)	-	-	100%	100%	Mar-23
Uzbekistan	6	4 (67)	-	-	6	0 (0)	-	-	67%	67%	Feb-23
Region	5309	1622 (31)	-	99%	5711	131 (2)	-	100%	69%	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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