

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 January—December 2022 (data as of 31 January 2023)

Country	Total Population in 2022 ¹	Incidence Rate January–December 2022 (per 1 million population)	Total measles cases	Month and year of rash onset												Month & year of last report
				Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	
Albania	2 842 321	0.35	1	0	0	0	0	0	0	0	0	0	1	0	0	Dec-22
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Armenia	2 780 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Austria	8 939 617	0.11	1	0	0	0	0	1	0	0	0	0	0	0	0	Dec-22
Azerbaijan	10 358 074	0.10	1	0	0	0	0	1	0	0	0	0	0	0	0	Dec-22
Belarus	9 534 955	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Belgium	11 655 930	1.46	17	0	0	1	1	2	3	0	0	2	2	1	5	Dec-22
Bosnia and Herzegovina	3 233 527	1.86	6	0	1	1	0	0	0	1	0	1	2	0	0	Dec-22
Bulgaria	6 781 953	0.15	1	0	0	0	1	0	0	0	0	0	0	0	0	Dec-22
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Nov-22
Denmark	5 882 262	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Estonia	1 326 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Finland	5 540 746	0.18	1	0	0	0	0	0	0	0	0	1	0	0	0	Dec-22
France	64 626 628	0.29	19	0	1	0	7	1	0	4	2	2	2	0	0	Dec-22
Georgia	3 744 386	3.20	12	1	1	0	1	1	3	2	0	0	3	0	0	Dec-22
Germany	83 369 843	0.17	14	2	3	1	1	1	1	1	1	0	1	2	0	Dec-22
Greece	10 384 971	0.10	1	0	0	0	1	0	0	0	0	0	0	0	0	Dec-22
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Ireland	5 023 109	0.40	2	0	0	0	1	0	0	0	0	0	0	1	0	Dec-22
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Italy	59 037 474	0.30	18	1	1	2	0	1	0	1	0	2	6	3	1	Dec-22
Kazakhstan	19 397 998	0.21	4	0	0	0	0	0	0	0	3	1	0	0	-	Nov-22
Kyrgyzstan	6 630 623	3.02	20	1	0	7	1	0	0	0	0	1	1	0	9	Dec-22
Latvia	1 850 651	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Lithuania	2 750 055	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Netherlands	17 564 014	0.34	6	0	0	0	0	0	0	0	1	0	0	5	0	Dec-22
North Macedonia	2 093 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Norway	5 434 319	0.18	1	0	0	0	0	0	0	0	1	0	0	0	0	Dec-22
Poland	39 857 146	0.68	27	2	2	3	3	2	2	1	3	2	3	1	3	Dec-22
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Romania	19 659 267	0.46	9	0	1	2	0	1	1	2	0	0	0	0	2	Dec-22
Russian Federation	144 713 314	0.70	102	4	0	3	5	3	6	0	6	3	6	14	52	Dec-22
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Serbia	7 221 366	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Slovakia	5 643 453	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Spain	47 558 630	0.02	1	0	0	0	0	0	0	0	0	0	0	0	1	Dec-22
Sweden	10 549 347	0.38	4	0	0	0	0	1	3	0	0	0	0	0	0	Dec-22
Switzerland	8 740 472	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Tajikistan	9 952 787	45.31	451	17	22	49	46	40	49	50	33	48	47	33	17	Dec-22
Türkiye	85 341 241	1.36	116	2	1	9	11	7	11	12	6	9	16	17	15	Dec-22
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Ukraine	39 701 739	0.28	11	1	1	1	0	0	2	1	0	0	0	3	2	Dec-22
United Kingdom	67 508 936	0.74	50	1	0	0	0	3	23	13	3	1	4	1	1	Dec-22
Uzbekistan	34 627 653	0.23	8	0	0	0	4	2	2	0	0	0	0	0	0	Dec-22
Region	931 065 684	0.97	904	32	34	79	83	67	106	88	59	73	94	81	108	

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, North Macedonia, Poland (since Feb 2019) and Serbia.

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 January—December 2022 (data as of 31 January 2023)

Country	Total Population in 2022 ¹	Incidence Rate January–December 2022 (per 1 million population)	Total rubella cases	Month and year of rash onset												Month & year of last report
				Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	
Albania	2 842 321	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Andorra	79 824	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Armenia	2 780 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Austria	8 939 617	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Azerbaijan	10 358 074	0.39	4	0	0	0	2	0	0	1	0	1	0	0	0	Dec-22
Belarus	9 534 955	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Belgium ²	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Bulgaria	6 781 953	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Croatia	4 030 358	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Cyprus	1 251 489	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Czech Republic	10 493 986	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Nov-22
Denmark ²	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Finland	5 540 746	0.18	1	0	0	0	1	0	0	0	0	0	0	0	0	Dec-22
France ²	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Germany	83 369 843	0.11	9	2	0	0	0	0	2	1	1	2	0	0	1	Dec-22
Greece	10 384 971	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Hungary	9 967 308	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Iceland	372 899	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Ireland	5 023 109	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Israel	9 038 309	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Italy	59 037 474	0.08	5	0	1	0	0	0	0	1	1	1	0	1	0	Dec-22
Kazakhstan	19 397 998	0.00	0	0	0	0	0	0	0	0	0	0	0	0	-	Nov-22
Kyrgyzstan	6 630 623	0.15	1	0	0	0	0	0	0	0	0	0	1	0	0	Dec-22
Latvia	1 850 651	0.54	1	0	0	0	0	0	0	0	0	0	1	0	0	Dec-22
Lithuania	2 750 055	0.36	1	0	0	0	0	0	0	0	0	0	0	1	0	Dec-22
Luxembourg	647 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Malta	533 286	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Monaco	36 469	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Montenegro	627 083	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Netherlands	17 564 014	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
North Macedonia	2 093 599	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Norway	5 434 319	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Poland	39 857 146	3.81	152	8	3	14	15	8	13	11	13	11	20	14	22	Dec-22
Portugal	10 270 865	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Romania	19 659 267	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Russian Federation	144 713 314	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
San Marino	33 661	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Serbia	7 221 366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	No report
Slovakia	5 643 453	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Slovenia	2 119 844	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Spain	47 558 630	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Sweden	10 549 347	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Switzerland	8 740 472	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Tajikistan	9 952 787	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Türkiye	85 341 241	0.46	39	0	3	7	3	2	6	5	0	1	3	5	4	Dec-22
Turkmenistan	6 430 771	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Ukraine	39 701 739	0.23	9	3	0	0	0	1	2	0	1	0	1	1	0	Dec-22
United Kingdom	67 508 936	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	0	0	0	0	0	0	0	Dec-22
Region	931 065 684	0.24	222	13	7	21	21	11	23	19	16	16	26	22	27	

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—December 2022 (data as of 31 January 2023)

Country	Total Population in 2022 ¹	2021 (as of 31 January 2023)			2022													
		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	0.00	0	-	1	1	0	0	4	0	0	100%	100%	Dec-22	100%	0.1	100%	100%
Andorra	79 824	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-22	-	0.0	-	-
Armenia	2 780 469	0.00	0	-	0	0	0	0	26	-	-	100%	67%	Dec-22	100%	0.9	-	100%
Austria	8 939 617	0.11	1	0	1	1	0	0	4	0	0	100%	100%	Dec-22	40%	0.0	100%	0%
Azerbaijan	10 358 074	0.19	2	0	1	1	0	0	181	0	0	100%	100%	Dec-22	100%	1.7	100%	98%
Belarus ⁷	9 534 955	0.31	3	0	0	0	0	0	369	-	-	100%	92%	Dec-22	100%	3.9	-	0%
Belgium	11 655 930	0.60	7	0	17	8	2	7	-	-	0	100%	92%	Dec-22	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.61	2	0	6	0	0	6	-	-	0	100%	42%	Dec-22	-	-	-	-
Bulgaria	6 781 953	0.00	0	-	1	1	0	0	-	0	0	100%	100%	Dec-22	100%	-	100%	100%
Croatia	4 030 358	0.00	0	-	0	0	0	0	0	-	-	100%	33%	Dec-22	-	0.0	-	-
Cyprus	1 251 489	0.80	1	0	0	0	0	0	-	-	-	100%	92%	Dec-22	-	-	-	-
Czech Republic	10 493 986	0.00	0	-	0	0	0	0	-	-	-	92%	92%	Nov-22	-	-	-	-
Denmark	5 882 262	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Dec-22	-	-	-	-
Estonia	1 326 062	0.00	0	-	0	0	0	0	115	-	-	100%	100%	Dec-22	100%	8.7	-	97%
Finland	5 540 746	0.54	3	0	1	1	0	0	-	0	0	100%	100%	Dec-22	100%	-	0	0%
France	64 626 628	0.25	16	0	19	15	0	4	-	6	0	100%	75%	Dec-22	89%	-	84%	0%
Georgia	3 744 386	1.33	5	0	12	8	0	4	47	0	0	100%	100%	Dec-22	97%	1.3	100%	93%
Germany	83 369 843	0.08	7	0	14	9	0	5	-	4	0	100%	92%	Dec-22	64%	-	79%	0%
Greece	10 384 971	0.00	0	-	1	0	0	1	0	0	0	100%	92%	Dec-22	0%	0.0	100%	0%
Hungary	9 967 308	0.00	0	-	0	0	0	0	0	-	-	100%	92%	Dec-22	-	0.0	-	-
Iceland	372 899	0.00	0	-	0	0	0	0	-	-	-	100%	92%	Dec-22	-	-	-	-
Ireland	5 023 109	0.00	0	-	2	1	0	1	-	1	0	100%	100%	Dec-22	50%	-	100%	100%
Israel	9 038 309	0.00	0	-	0	0	0	0	-	-	-	100%	75%	Dec-22	-	-	-	-
Italy	59 037 474	0.14	8	0	18	14	1	3	19	3	0	100%	92%	Dec-22	94%	0.0	61%	0%
Kazakhstan	19 397 998	0.10	2	0	4	4	0	0	-	-	0	92%	83%	Nov-22	-	-	-	-
Kyrgyzstan ⁷	6 630 623	0.61	4	0	20	1	0	19	59	0	0	100%	100%	Dec-22	89%	0.9	0	87%
Latvia	1 850 651	0.00	0	-	0	0	0	0	-	-	-	100%	50%	Dec-22	-	-	-	-
Lithuania	2 750 055	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Dec-22	-	-	-	-
Luxembourg	647 599	0.00	0	-	0	0	0	0	0	-	-	100%	100%	Dec-22	-	0.0	-	-
Malta	533 286	0.00	0	-	0	0	0	0	-	-	-	100%	67%	Dec-22	-	-	-	-
Monaco	36 469	0.00	0	-	0	0	0	0	0	-	-	100%	92%	Dec-22	-	0.0	-	-
Montenegro	627 083	0.00	0	-	0	0	0	0	5	-	-	100%	100%	Dec-22	100%	0.8	-	20%
Netherlands	17 564 014	0.00	0	-	6	6	0	0	-	1	0	100%	92%	Dec-22	100%	-	100%	0%
North Macedonia	2 093 599	0.00	0	-	0	0	0	0	-	-	-	100%	50%	Dec-22	-	-	-	-
Norway	5 434 319	0.00	0	-	1	1	0	0	-	1	0	100%	100%	Dec-22	100%	-	100%	100%
Poland	39 857 146	0.37	14	0	27	5	0	22	-	-	0	100%	100%	Dec-22	-	-	-	-
Portugal	10 270 865	0.00	0	-	0	0	0	0	9	-	-	100%	67%	Dec-22	89%	0.1	-	0%
Republic of Moldova	3 272 996	0.00	0	-	0	0	0	0	62	-	-	100%	100%	Dec-22	100%	1.9	-	100%
Romania	19 659 267	0.05	1	0	9	7	1	1	-	2	0	100%	92%	Dec-22	88%	-	100%	67%
Russian Federation	144 713 314	0.01	1	0	102	100	1	1	2701	20	0	100%	100%	Dec-22	100%	1.9	100%	29%
San Marino	33 661	0.00	0	-	0	0	0	0	0	-	-	100%	58%	Dec-22	-	0.0	-	-
Serbia	7 221 366	0.14	1	0	0	0	0	0	-	-	-	100%	100%	Dec-22	-	-	-	-
Slovakia	5 643 453	0.00	0	-	0	0	0	0	3	-	-	100%	100%	Dec-22	100%	0.1	-	100%
Slovenia	2 119 844	0.00	0	-	0	0	0	0	-	-	-	100%	100%	Dec-22	-	-	-	-
Spain	47 558 630	0.04	2	0	1	1	0	0	22	1	0	100%	83%	Dec-22	91%	0.0	100%	74%
Sweden	10 549 347	0.00	0	-	4	2	2	0	-	1	0	100%	100%	Dec-22	100%	-	100%	25%
Switzerland	8 740 472	0.00	0	-	0	0	0	0	80	-	-	100%	100%	Dec-22	100%	0.9	-	4%
Tajikistan	9 952 787	1.03	10	0	451	396	55	0	102	347	0	100%	100%	Dec-22	100%	1.0	85%	100%
Türkiye ⁷	85 341 241	0.60	51	0	116	103	0	13	1411	0	0	100%	92%	Dec-22	100%	1.7	59%	97%
Turkmenistan ⁷	6 430 771	0.00	0	-	0	0	0	0	132	-	-	100%	100%	Dec-22	100%	2.1	-	100%
Ukraine	39 701 739	0.37	16	0	11	3	0	8	41	0	0	100%	100%	Dec-22	79%	0.1	91%	98%
United Kingdom	67 508 936	0.03	2	0	50	50	0	0	-	13	0	100%	100%	Dec-22	100%	-	100%	0%
Uzbekistan	34 627 653	0.00	0	-	8	8	0	0	87	0	0	100%	8%	Dec-22	100%	0.3	100%	100%
Region	931 065 684	0.17	159	0	904	747	62	95	5479	400	0	100%	88%		99%	1.0	82%	58%

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, North Macedonia, Poland (since Feb 2019) and Serbia.

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—December 2022 (data as of 31 January 2023)

Country	Total Population in 2022 ¹	2021 (as of 31 January 2023)		2022												
		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	0	0	0	0	4	-	100%	100%	Dec-22	100%	0.1	-	100%
Andorra	79 824	0.00	0	0	0	0	0	0	-	100%	100%	Dec-22	-	0.0	-	-
Armenia	2 780 469	0.00	0	0	0	0	0	0	-	100%	67%	Dec-22	-	0.0	-	-
Austria	8 939 617	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Azerbaijan	10 358 074	0.19	2	4	3	0	1	67	0	100%	100%	Dec-22	99%	0.6	0%	99%
Belarus ⁷	9 534 955	0.00	0	0	0	0	0	369	-	100%	92%	Dec-22	100%	3.9	-	0%
Belgium ⁸	11 655 930	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bosnia and Herzegovina	3 233 527	0.31	1	0	0	0	0	-	-	100%	42%	Dec-22	-	-	-	-
Bulgaria	6 781 953	0.15	1	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Croatia	4 030 358	0.00	0	0	0	0	0	-	-	100%	33%	Dec-22	-	-	-	-
Cyprus	1 251 489	0.00	0	0	0	0	0	-	-	100%	92%	Dec-22	-	-	-	-
Czech Republic	10 493 986	0.00	0	0	0	0	0	-	-	92%	92%	Nov-22	-	-	-	-
Denmark ⁸	5 882 262	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Estonia	1 326 062	0.00	0	0	0	0	0	44	-	100%	100%	Dec-22	100%	3.3	-	100%
Finland	5 540 746	0.18	1	1	1	0	0	-	0	100%	100%	Dec-22	100%	-	0%	0%
France ⁸	64 626 628	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Georgia	3 744 386	0.00	0	0	0	0	0	8	-	100%	100%	Dec-22	100%	0.2	-	100%
Germany	83 369 843	0.08	7	9	3	0	6	-	1	100%	92%	Dec-22	33%	-	44%	0%
Greece	10 384 971	0.00	0	0	0	0	0	-	-	100%	92%	Dec-22	-	-	-	-
Hungary	9 967 308	0.00	0	0	0	0	0	0	-	100%	92%	Dec-22	-	0.0	-	-
Iceland	372 899	0.00	0	0	0	0	0	-	-	100%	92%	Dec-22	-	-	-	-
Ireland	5 023 109	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Israel	9 038 309	0.11	1	0	0	0	0	-	-	100%	75%	Dec-22	-	-	-	-
Italy	59 037 474	0.00	0	5	3	0	2	6	0	100%	92%	Dec-22	91%	0.0	60%	0%
Kazakhstan	19 397 998	0.00	0	0	0	0	0	-	-	92%	83%	Nov-22	-	-	-	-
Kyrgyzstan ⁷	6 630 623	0.15	1	1	1	0	0	59	0	100%	100%	Dec-22	98%	0.9	0%	80%
Latvia	1 850 651	0.00	0	1	1	0	0	-	0	100%	50%	Dec-22	100%	-	100%	0%
Lithuania	2 750 055	0.00	0	1	1	0	0	-	0	100%	100%	Dec-22	0%	-	100%	0%
Luxembourg	647 599	0.00	0	0	0	0	0	0	-	100%	100%	Dec-22	-	0.0	-	-
Malta	533 286	0.00	0	0	0	0	0	-	-	100%	67%	Dec-22	-	-	-	-
Monaco	36 469	0.00	0	0	0	0	0	0	-	100%	92%	Dec-22	-	0.0	-	-
Montenegro	627 083	0.00	0	0	0	0	0	0	-	100%	92%	Dec-22	-	0.0	-	-
Netherlands	17 564 014	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
North Macedonia	2 093 599	0.00	0	0	0	0	0	-	-	100%	50%	Dec-22	-	-	-	-
Norway	5 434 319	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Poland	39 857 146	1.31	50	152	2	0	150	-	-	100%	100%	Dec-22	-	-	-	-
Portugal	10 270 865	0.00	0	0	0	0	0	13	-	100%	67%	Dec-22	77%	0.1	-	0%
Republic of Moldova	3 272 996	0.00	0	0	0	0	0	1	-	100%	100%	Dec-22	100%	0.0	-	100%
Romania	19 659 267	0.05	1	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Russian Federation	144 713 314	0.01	1	0	0	0	0	0	-	100%	100%	Dec-22	-	0.0	-	-
San Marino	33 661	0.00	0	0	0	0	0	0	-	100%	58%	Dec-22	-	0.0	-	-
Serbia	7 221 366	-	-	-	-	-	-	-	-	-	-	No report	-	-	-	-
Slovakia	5 643 453	0.00	0	0	0	0	0	0	-	100%	100%	Dec-22	-	0.0	-	-
Slovenia	2 119 844	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Spain	47 558 630	0.00	0	0	0	0	0	8	-	100%	92%	Dec-22	75%	0.0	-	75%
Sweden	10 549 347	0.00	0	0	0	0	0	0	-	100%	100%	Dec-22	-	0.0	-	-
Switzerland	8 740 472	0.00	0	0	0	0	0	42	-	100%	100%	Dec-22	95%	0.5	-	21%
Tajikistan	9 952 787	0.00	0	0	0	0	0	9	-	100%	100%	Dec-22	100%	0.1	-	100%
Türkiye ⁷	85 341 241	0.18	15	39	33	0	6	1411	0	100%	92%	Dec-22	100%	1.7	100%	97%
Turkmenistan ⁷	6 430 771	0.00	0	0	0	0	0	132	-	100%	100%	Dec-22	100%	2.1	-	100%
Ukraine	39 701 739	0.44	19	9	4	0	5	28	0	100%	100%	Dec-22	78%	0.1	89%	100%
United Kingdom	67 508 936	0.00	0	0	0	0	0	-	-	100%	100%	Dec-22	-	-	-	-
Uzbekistan	34 627 653	0.00	0	0	0	0	0	0	-	100%	8%	Dec-22	-	0.0	-	-
Region	931 065 684	0.11	100	222	52	0	170	2201	1	92%	81%		99%	0.4	80%	78%

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—December 2022 (data as of 31 January 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	4	1 (25)	-	-	0	-	-	-	100%	67%	Dec-22
Andorra											No lab
Armenia	-	-	-	-	-	-	-	-	-	-	No report
Austria	1235	1 (0)	D8	100%	4949	0 (0)	-	-	100%	92%	Dec-22
Azerbaijan	188	0 (0)	-	-	71	2 (3)	-	-	100%	92%	Dec-22
Belarus	-	-	-	-	-	-	-	-	-	-	No report
Belgium	-	-	B3	100%	-	-	-	-	-	-	No report
Bosnia and Herzegovina	12	0 (0)	-	-	10	0 (0)	-	-	42%	42%	Dec-22
Bulgaria	44	1 (2)	-	-	42	0 (0)	-	-	100%	50%	Dec-22
Croatia	0	-	-	-	0	-	-	-	17%	17%	Feb-22
Cyprus	76	0 (0)	-	-	94	0 (0)	-	-	100%	42%	Dec-22
Czech Republic	21	4 (19)	-	-	44	3 (7)	-	-	100%	83%	Dec-22
Denmark	305	3 (1)	-	-	37	9 (24)	-	-	100%	83%	Dec-22
Estonia	62	0 (0)	-	-	3	0 (0)	-	-	100%	83%	Dec-22
Finland	26	5 (19)	-	-	26	1 (4)	-	-	100%	67%	Dec-22
France	-	-	B3	100%	-	-	-	-	-	-	No report
Georgia	83	13 (16)	D8	0%	80	7 (9)	-	-	100%	17%	Dec-22
Germany	122	12 (10)	B3	100%	67	2 (3)	-	-	100%	92%	Dec-22
Greece	0	-	-	-	0	-	-	-	25%	8%	Mar-22
Hungary	87	0 (0)	-	-	85	0 (0)	-	-	100%	92%	Dec-22
Iceland	-	-	-	-	-	-	-	-	-	-	No report
Ireland	597	5 (1)	-	-	2329	3 (0)	-	-	100%	67%	Dec-22
Israel	-	-	-	-	-	-	-	-	-	-	No report
Italy	97	21 (22)	B3	100%	10	0 (0)	-	-	100%	92%	Dec-22
Kazakhstan	29	5 (17)	D8	100%	26	0 (0)	-	-	100%	50%	Dec-22
Kyrgyzstan	0	-	-	-	0	-	-	-	8%	8%	Sep-22
Latvia	154	7 (5)	-	-	112	4 (4)	-	-	100%	92%	Dec-22
Lithuania	20	0 (0)	-	-	20	0 (0)	-	-	100%	92%	Dec-22
Luxembourg	22	0 (0)	-	-	0	-	-	-	83%	83%	Dec-22
Malta	36	0 (0)	-	-	513	0 (0)	-	-	67%	17%	Aug-22
Monaco											No lab
Montenegro	-	-	-	-	-	-	-	-	-	-	No report
Netherlands	23	8 (35)	B3	100%	12	0 (0)	-	-	75%	75%	Dec-22
North Macedonia	-	-	-	-	-	-	-	-	-	-	No report
Norway	1	1 (100)	B3	100%	0	-	-	-	100%	83%	Dec-22
Poland	-	-	-	-	-	-	-	-	-	-	No report
Portugal	10	0 (0)	-	-	3	0 (0)	-	-	83%	83%	Dec-22
Republic of Moldova	70	0 (0)	-	-	71	0 (0)	-	-	100%	92%	Dec-22
Romania	112	10 (9)	-	-	109	0 (0)	-	-	100%	33%	Dec-22
Russian Federation	3700	204 (6)	B3,D8	92%	3649	45 (1)	-	-	100%	92%	Dec-22
San Marino											No lab
Serbia	23	0 (0)	-	-	23	0 (0)	-	-	67%	67%	Dec-22
Slovakia	23	0 (0)	-	-	6	0 (0)	-	-	100%	92%	Dec-22
Slovenia	34	2 (6)	-	-	8	0 (0)	-	-	100%	92%	Dec-22
Spain	-	-	-	-	-	-	-	-	-	-	No report
Sweden	1079	14 (1)	B3	100%	2186	25 (1)	-	-	100%	83%	Dec-22
Switzerland	81	10 (12)	-	-	1	1 (100)	-	-	100%	92%	Dec-22
Tajikistan	-	-	-	-	-	-	-	-	-	-	No report
Türkiye	1596	115 (7)	-	-	1412	87 (6)	-	-	100%	33%	Dec-22
Turkmenistan	132	0 (0)	-	-	132	0 (0)	-	-	100%	100%	Dec-22
Ukraine	20	0 (0)	-	-	20	3 (15)	-	-	100%	67%	Dec-22
United Kingdom	2116	77 (4)	B3	100%	1126	0 (0)	-	-	100%	100%	Dec-22
Uzbekistan	96	6 (6)	-	-	96	1 (1)	-	-	100%	33%	Dec-22
Region	12336	525 (4)	-	97%	17372	193 (1)	-	-	65%	50%	

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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