

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2022 and 28/02/2022

Country	Measles case finding report							Rubella case finding report						Measles incidence/1000,000 *	Reporting rate ***	Indicators: target ≥80%					Last date reported	Genotypes reorted	
	Total suspected cases for M/R	Specimens tested for Measles	Measles lab confirmed	Measles Epi-Linked	Measles clinically compatible	Total Measles	Measles discarded cases	Specimens tested for Rubella	Rubella lab confirmed	Rubella Epi-Linked	Rubella clinically compatible	Total Rubella	Rubella discarded			suspects tested for Measles ****	cases with complete investigation	specimens received at the lab within 5 days	specimens with adequate condition	results reported back within 4 days			
Afghanistan	1970	1970	1057	0	0	1057	913	1381	30	0	0	30	1351	26.53	2.29	100%	55%	89%	100%	80%	28-02-2022		
Bahrain	34	34	0	0	0	0	34	34	0	0	0	0	34	0.00	1.94	100%	100%	100%	100%	100%	28-02-2022		
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR			
Iran	625	580	6	0	0	6	619	598	2	0	0	2	596	0.07	0.73	93%	88%	94%		65%	28-02-2022		
Iraq	41	34	0	0	6	6	35	34	1	0	0	1	33	0.15	0.08	83%	32%	4%			28-02-2022		
Jordan	9	9	0	0	0	0	9	4	0	0	0	0	4	0.00	0.09	100%		100%	100%	22%	28-02-2022		
Egypt	357	357	0	0	0	0	357	357	0	0	0	0	357	0.00	0.34	100%	93%	96%		100%	28-02-2022		
Kuwait	6	6	1	0	0	1	5	6	0	0	0	0	6	0.23	0.12	100%	100%	100%		83%	28-02-2022		
Lebanon	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		31-03-2021	
Libya	14	12	0	0	0	0	14	12	2	0	0	2	10	0.00	0.21	86%		17%	100%	75%	28-02-2022		
Morocco	5	5	0	0	0	0	5	5	2	0	0	2	3	0.00	0.01	100%	80%			100%	28-02-2022		
Oman	60	60	0	0	0	0	60	60	0	0	0	0	60	0.00	1.15	100%	95%	92%		92%	28-02-2022	B3 imp.	
Pakistan	1477	1368	505	17	24	546	931	1357	43	0	0	43	1314	2.42	0.41	93%	100%	97%		54%	31-01-2022		
Palestine	6	6	0	0	0	0	6	6	0	0	0	0	6	0.00	0.11	100%	83%	100%	100%	83%	28-02-2022		
Qatar	24	24	1	0	0	1	23	24	0	0	0	0	24	0.34	0.78	100%	100%	67%		100%	28-02-2022		
Saudi Arabia	91	91	14	0	0	14	77	91	6	0	0	6	85	0.40	0.22	100%	99%	100%	100%	100%	31-01-2022		
Somalia ★	3822	271	157	0	0	157	3665	147	0	0	0	0	147	9.60	22.40	7%	99%	61%	100%	47%	28-02-2022		
Sudan	442	319	51	103	0	154	288	135	51	16	0	67	68	3.43	0.64	72%	99%	56%	100%	58%	28-02-2022		
Syria	73	73	0	0	0	0	73	73	0	0	0	0	73	0.00	0.40	100%	55%	70%	100	97%	28-02-2022		
Tunisia	1	1	0	0	0	0	1	1	0	0	0	0	1	0.00	0.01	100%					28-02-2022		
UAE	15	15	4	0	1	5	10	15	0	0	0	0	15	0.50	0.10	100%	100%	93%	100%	87%	28-02-2022		
Yemen	954	914	388	0	8	396	558	914	237	0	74	311	603	12.99	1.8301	96%			99		28-02-2022		
Total	10026	6149	2184	120	39	2343	7683	5254	374	16	74	464	4790	2.18	1.69	61%	57%	59%	535%	59%			

*The sum of the measles lab confirmed cases +measles epi-linked cases + measles clinically compatible cases/million population

**The sum of the rubella lab confirmed cases +rubella epi-linked cases + rubella clinically compatible cases/million population

***Reporting rate of discarded non-measles non-rubella cases at the national level per 100,000 total population

****Excluding measles and rubella epi-linked cases

*NR- Not reported

Green cells= indicator met. Yellow cells=indicator not met. Red cells=missing data for calculating indicator.

Adequate investigation includes the following data elements:

- District.
- Age.
- Gender.
- Date of rash onset, case notification and investigation
- Vaccination status.
- Date of last vaccination with MCV
- Date specimen collected.
- Travel history

Countries that did not report

★ **Somalia reported aggregate data**

Measles final classification and distribution by Month

Between 01/01/2022 and 28/2/2022

Country	Total Suspected cases for measles	Total specimens tested	Imported Measles cases*	Measles import related*	Vaccine related***	Unknown source	Measles Lab confirmed	Measles Epi-Linked	Measles clinically compatible	Total confirmed cases#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	1970	1970	0	0	0	0	1057	0	0	1057	580	477										
Bahrain	34	34	0	0	4	0	0	0	0	0	0	0										
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR										
Iran	625	580	13	15	20	0	6	0	0	6	3	3										
Iraq	41	34	0	0	3	0	0	0	6	6	4	2										
Jordan	9	9	0	0	0	0	0	0	0	0	0	0										
Egypt	357	357	0	0	3	0	0	0	0	0	0	0										
Kuwait	6	6	0	0	0	0	1	0	0	1	1	0										
Lebanon	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR										
Libya	14	12	0	0	0	0	0	0	0	0	0	0										
Morocco	5	5	0	0	0	0	0	0	0	0	0	0										
Oman	60	60	3	0	0	0	0	0	0	0	0	0										
Pakistan	1477	1368	0	0	0	0	505	17	24	546	546	NR										
Palestine	6	6	0	0	0	0	0	0	0	0	0	0										
Qatar	24	24	0	0	0	0	1	0	0	1	1	0										
Saudi Arabia	91	91	0	0	0	0	14	0	0	14	14	NR										
Somalia	3822	271	0	0	0	0	157	0	0	157	86	71										
Sudan	442	319	0	0	0	0	51	103	0	154	121	33										
Syria	73	73	0	0	0	0	0	0	0	0	0	0										
Tunisia	1	1	0	0	0	0	0	0	0	0	0	0										
UAE	15	15	0	0	0	0	4	0	1	5	3	2										
Yemen	954	914	0	0	0	0	388	0	8	396	203	193										
Total	10026	6149	16	15	30	0	2184	120	39	2343	1562	781	0	0	0	0	0	0	0	0	0	0

* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

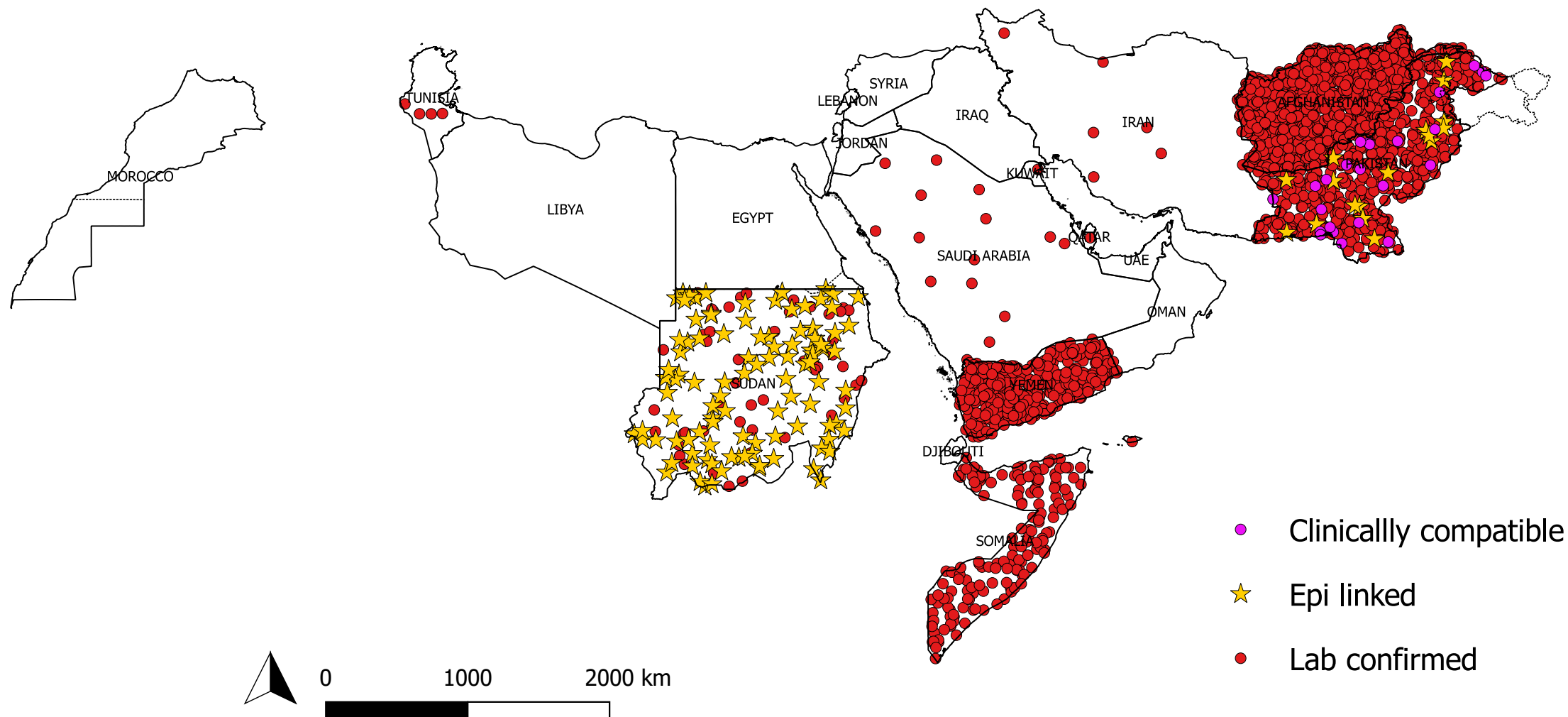
** Importation related measles/rubella case – a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence

***Vaccine related case – a suspect case that has a rash like illness without respiratory symptoms and the rash had onset 7-14 days following vaccination and the lab detected IgM in the blood specimen that was collected 8-56 days after vaccination and there were no secondary cases identified. OR any suspect case from which virus is isolated and genotyping test reveals the virus to be a vaccine strain

Total confirmed cases; include all cases confirmed by laboratory testing or epi linkage, plus those clinical cases that were reported without a laboratory specimen or epi linkage

*NR- Not reported to date

Distribution by final classification of Measles cases in the EMR countries between 01/01/2022 and 28/02/2022



Remark: The boundaries and names shown and the designations used on this map do not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or area of its frontier or boundaries. Dotted dashed lines on the maps represent approximate border lines for which there may not yet be full agreement.

Rubella final classification and distribution by Month

Between 01/01/2022 and 28/02/2022

Country	Total Suspected cases for Rubella	Total specimens tested	Imported Rubella cases*	Rubella import related*	Vaccine related***	Unknown source	Rubella Lab confirmed	Rubella Epi-Linked	Rubella clinically compatible	Total confirmed cases#	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	1970	1381	0	0	0	0	30	0	0	30	18	12										
Bahrain	34	34	0	0	0	0	0	0	0	0	0	0										
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR										
Iran	625	598	0	0	0	0	2	0	0	2	0	2										
Iraq	41	34	0	0	0	0	1	0	0	1	1	0										
Jordan	9	4	0	0	0	0	0	0	0	0	0	0										
Egypt	357	357	0	0	0	0	0	0	0	0	0	0										
Kuwait	6	6	0	0	0	0	0	0	0	0	0	0										
Lebanon	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR										
Libya	14	12	0	0	0	0	2	0	0	2	0	2										
Morocco	5	5	0	0	0	0	2	0	0	2	0	2										
Oman	60	60	0	0	0	0	0	0	0	0	0	0										
Pakistan	1477	1357	0	0	0	0	43	0	0	43	43	NR										
Palestine	6	6	0	0	0	0	0	0	0	0	0	0										
Qatar	24	24	0	0	0	0	0	0	0	0	0	0										
Saudi Arabia	91	91	0	0	0	0	6	0	0	6	6	NR										
Somalia	3822	147	0	0	0	0	0	0	0	0	0	0										
Sudan	442	135	0	0	0	0	51	16	0	67	45	22										
Syria	73	73	0	0	0	0	0	0	0	0	0	0										
Tunisia	1	1	0	0	0	0	0	0	0	0	0	0										
UAE	15	15	0	0	0	0	0	0	0	0	0	0										
Yemen	954	914	0	0	0	0	237	0	74	311	156	155										
Total	10026	5254	0	0	0	0	374	16	74	464	269	195	0	0	0	0	0	0	0	0	0	0

* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

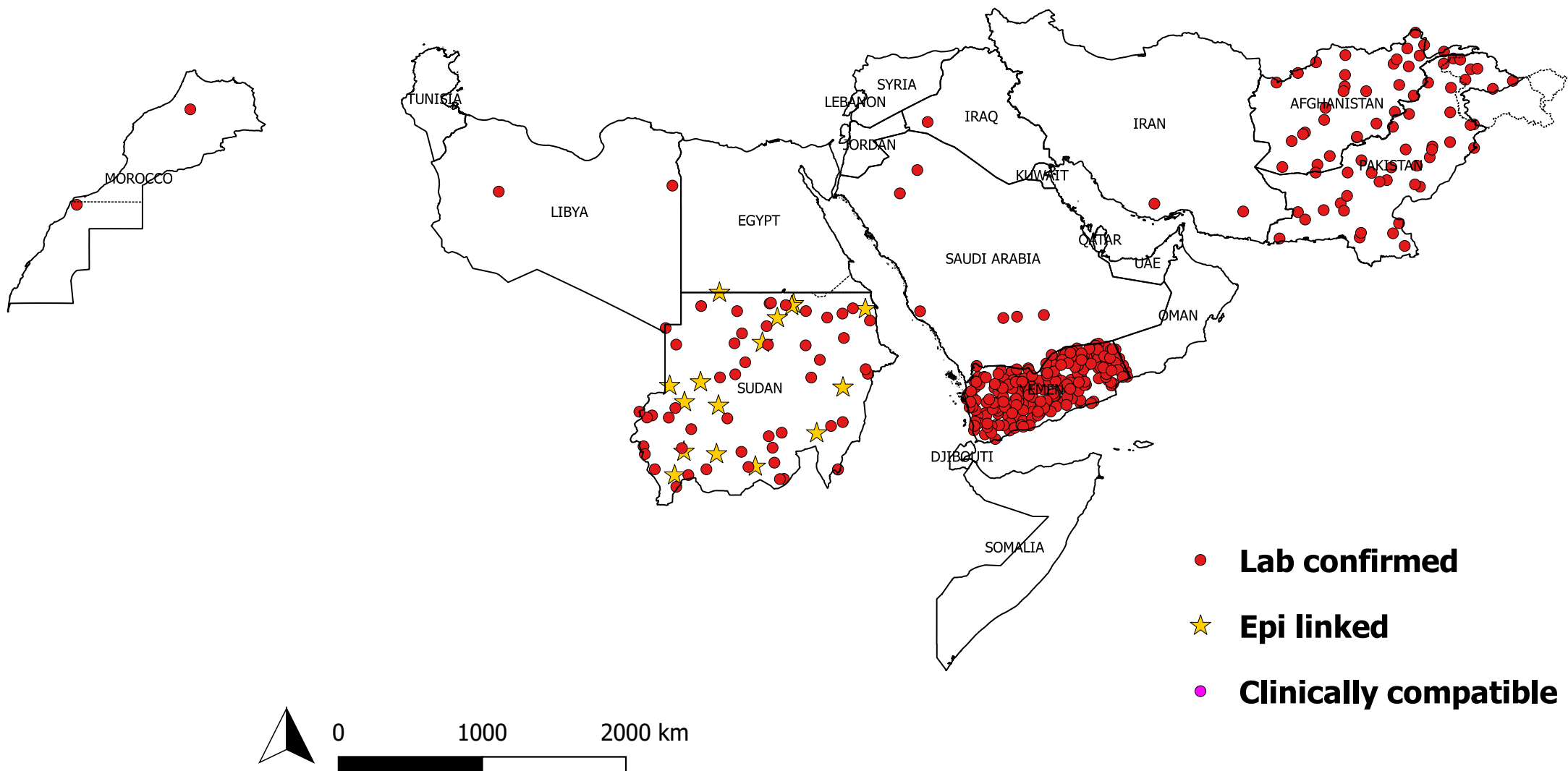
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Total confirmed cases; include all cases confirmed by laboratory testing or epi linkage, plus those clinical cases that were reported without a laboratory specimen or epi linkage

*NR- Not reported to date

Distribution by final classification of Rubella cases in the EMR countries between 01/01/2022 and 28/02/2022



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Measles and Rubella laboratory summary report

Between 01-Jan-22 and 28-Feb-22

Country	Measles								Rubella							
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%
Afghanistan	1970	100%	1051	53%	910	46%	9	0.5%	1381	70%	30	2%	1350	98%	1	0%
Bahrain	34	100%	0	0%	34	100%	0	0.0%	34	100%	0	0%	34	100%	0	0%
Iran	580	93%	40	7%	540	93%	0	0.0%	598	96%	22	4%	576	96%	0	0%
Iraq	34	83%	1	3%	0	0%	2	5.9%	34	83%	2	6%	32	94%	0	0%
Jordan	9	100%	0	0%	9	100%	0	0.0%	4	44%	0	0%	4	100%	0	0%
Egypt	357	100%	9	3%	347	97%	1	0.3%	357	100%	13	4%	344	96%	0	0%
Kuwait	6	100%	2	33%	4	67%	0	0.0%	6	100%	0	0%	6	100%	0	0%
Lebanon	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR
Libya	12	86%	0	0%	12	100%	0	0.0%	12	86%	2	17%	8	67%	2	17%
Morocco	5	100%	0	0%	5	100%	0	0.0%	5	100%	2	40%	3	60%	0	0%
Oman	60	100%	7	12%	53	88%	0	0.0%	60	100%	3	5%	57	95%	0	0%
Pakistan	1368	93%	505	37%	863	63%	0	0.0%	1357	92%	43	3%	1314	97%	0	0%
Palestine	6	100%	0	0%	6	100%	0	0.0%	6	100%	0	0%	6	100%	0	0%
Qatar	24	100%	1	4%	23	96%	0	0.0%	24	100%	0	0%	24	100%	0	0%
Saudi Arabia	91	100%	14	15%	77	85%	0	0.0%	91	100%	6	7%	85	93%	0	0%
Somalia	271	7%	86	32%	185	68%	0	0.0%	147	4%	0	0%	147	100%	0	0%
Sudan	319	72%	51	16%	256	80%	12	3.8%	135	31%	56	41%	74	55%	5	4%
Syria	73	100%	0	0%	73	100%	0	0.0%	73	100%	0	0%	73	100%	0	0%
Tunisia	1	100%	0	0%	1	100%	0	0.0%	1	100%	0	0%	1	100%	0	0%
UAE	15	100%	4	27%	10	67%	1	6.7%	15	100%	0	0%	15	100%	0	0%
Yemen	914	96%	389	43%	508	56%	17	1.9%	914	96%	238	26%	529	58%	147	16%