

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2021 and 31/03/2021

Country	Measles case finding report							Rubella case finding report						Measles incidence/100,000*	Reporting rate***	Indicators: target ≥80%					Last date reported	Genotypes reported
	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	907	907	655	1	71	727	180	907	19	0	0	19	888	20.46	0.51	100%	98%	96%	100%	80%	31-03-2021	
Bahrain	21	21	0	0	0	0	21	21	0	0	0	0	21	0.00	1.40	100%	100%	100%	100%	100%	31-03-2021	
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Iran	549	549	0	0	0	0	549	549	0	0	0	0	549	0.00	0.70	100%	74%	97%	100%	59%	31-03-2021	
Iraq	33	33	3	0	0	3	30	33	2	0	0	2	31	0.10	0.10	100%	73%	65%	100%	91%	31-03-2021	
Jordan	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Egypt	657	657	0	0	0	0	657	657	0	0	0	0	657	0.00	0.70	100%	65%	94%	100%	73%	31-03-2021	
Kuwait	11	11	1	0	0	1	10	11	0	0	0	0	11	0.24	0.24	100%	100%	100%	100%	100%	31-03-2021	
Lebanon	5	5	0	0	5	5	0	5	0	0	0	0	5	0.82	0.00	100%	100%	100%	100%	75%	31-03-2021	
Libya	26	26	4	0	0	4	22	26	4	0	0	4	22	0.63	0.35	100%	68%	16%	100%	44%	31-03-2021	
Morocco	15	15	0	0	0	0	15	15	0	0	0	0	15	0.00	0.04	100%	100%	93%	100%	93%	31-03-2021	
Oman	51	51	0	0	0	0	51	51	0	0	0	0	51	0.00	1.10	100%	98%	96%	100%	96%	31-03-2021	B3 imp.
Pakistan	5540	5540	2203	149	480	2832	2708	5540	0	0	0	0	5540	14.37	1.40	100%	100%	81%	100%	58%	31-03-2021	
Palestine	10	10	0	0	0	0	10	10	0	0	0	0	10	0.00	0.20	100%	98%	60%	100%	80%	31-03-2021	
Qatar	3	3	0	0	0	0	3	3	0	0	0	0	3	0.00	0.10	100%	100%	100%	100%	100%	31-03-2021	
Saudi Arabia	95	95	2	0	0	2	93	95	3	0	0	3	92	0.00	0.20	100%	100%	100%	100%	100%	31-03-2021	
Somalia ★	1164	1164	231	0	0	231	0	0	0	0	0	0	0	15.67	6.34	100%	100%	97%	100%	32%	31-03-2021	
Sudan	98	98	12	0	0	12	86	98	19	0	0	19	79	0.29	0.21	100%	100%	77%	100%	43%	28-02-2021	
Syria	143	143	5	0	0	5	138	143	0	0	0	0	143	0.27	0.76	100%	100%	67%	100%	99%	31-03-2021	
Tunisia	13	13	1	0	0	1	12	13	2	0	0	2	11	0.09	0.10	100%	91%	64%	100%	88%	31-03-2021	
UAE	22	22	1	0	3	4	18	22	0	0	0	0	22	0.42	0.19	100%	14%	95%	100%	92%	31-03-2021	
Yemen	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Total	9363	9363	3118	150	559	3827	4603	8199	49	0	0	49	8150	6.30	0.91	100%	88%	84%	100%	79%		

*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 01/01/2021 and 31/03/2021

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	907	907	0	0	0	0	655	1	71	727	123	230	374									
Bahrain	21	21	0	0	0	0	0	0	0	0	0	0	0									
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Iran	549	549	0	0	32	0	0	0	0	0	0	0	0									
Iraq	33	33	0	0	0	0	3	0	0	3	3	0	0									
Jordan	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Egypt	657	657	0	0	0	0	0	0	0	0	0	0	0									
Kuwait	11	11	0	0	0	0	1	0	0	1	0	1	0									
Lebanon	5	5	0	0	0	0	0	0	5	5	1	2	2									
Libya	26	26	0	0	0	0	4	0	0	4	0	4	0									
Morocco	15	15	0	0	0	0	0	0	0	0	0	0	0									
Oman	51	51	0	0	0	0	0	0	0	0	0	0	0									
Pakistan	5540	5540	0	0	0	0	2203	149	480	2832	677	970	1185									
Palestine	10	10	0	0	0	0	0	0	0	0	0	0	0									
Qatar	3	3	0	0	0	0	0	0	0	0	0	0	0									
Saudi Arabia	95	95	0	0	0	0	2	0	0	2	0	0	2									
Somalia	1164	1164	0	0	0	0	231	0	0	231	84	102	45									
Sudan	98	98	0	0	0	0	12	0	0	12	4	8	NR									
Syria	143	143	0	0	5	0	5	0	0	5	2	2	1									
Tunisia	13	13	0	0	0	0	1	0	0	1	0	1	0									
UAE	22	22	0	0	0	0	1	0	3	4	1	3	0									
Yemen	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Total	9363	9363	0	0	37	0	3118	150	559	3827	895	1323	1609									

* 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)

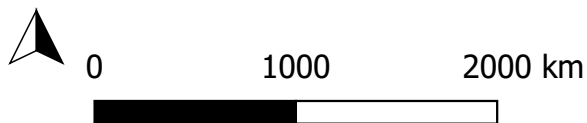
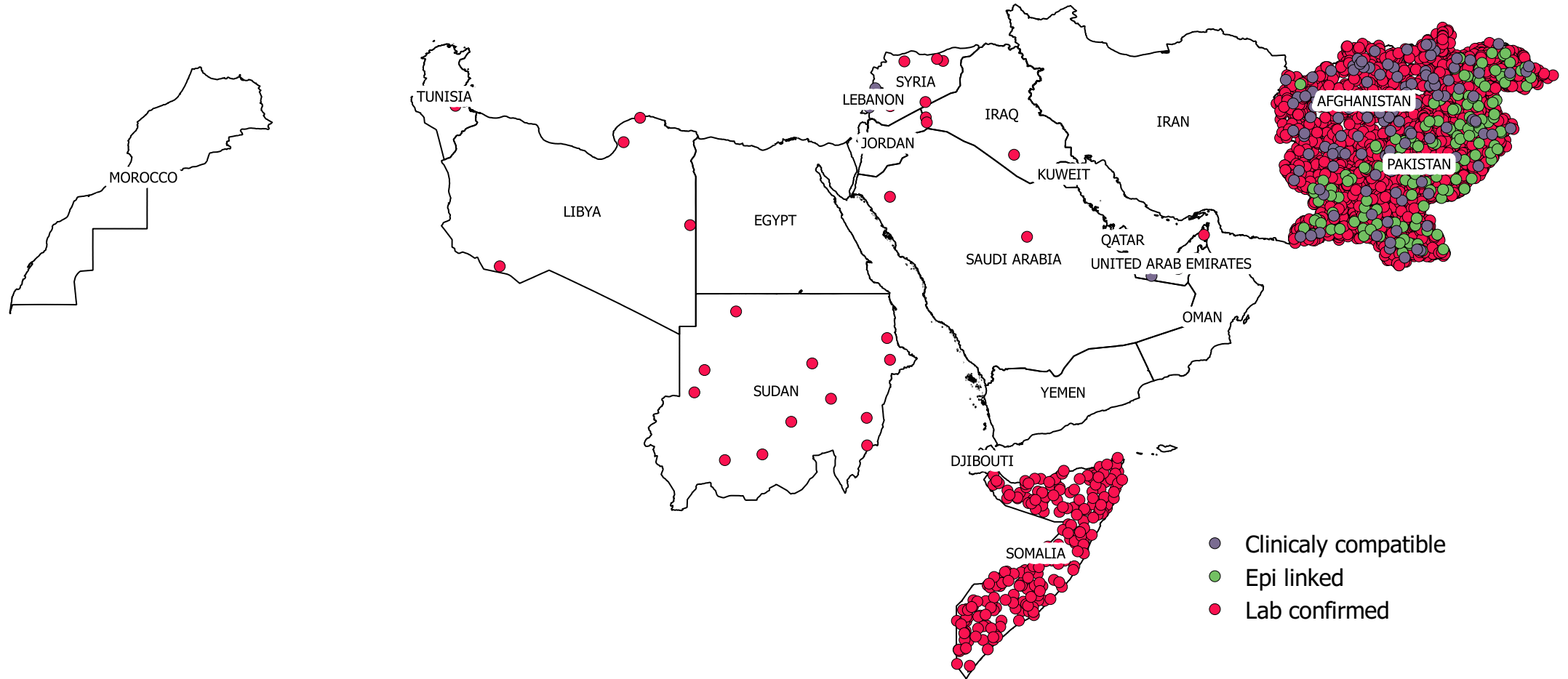
** Importation related measles/rubella case – a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence

***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

Cumulative geographic distribution of Measles cases in the EMR countries March 2021



Rubella final classification and distribution by Month

Between 01/01/2021 and 31/03/2021

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	907	907	0	0	0	0	19	0	0	19	2	2	15									
Bahrain	21	21	0	0	0	0	0	0	0	0	0	0	0									
Djibouti	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Iran	549	549	0	0	0	0	0	0	0	0	0	0	0									
Iraq	33	33	0	0	0	0	2	0	0	2	2	0	0									
Jordan	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Egypt	657	657	0	0	0	0	0	0	0	0	0	0	0									
Kuwait	11	11	0	0	0	0	0	0	0	0	0	0	0									
Lebanon	5	5	0	0	0	0	0	0	0	0	0	0	0									
Libya	26	26	0	0	0	0	4	0	0	4	1	3	0									
Morocco	15	15	0	0	0	0	0	0	0	0	0	0	0									
Oman	51	51	0	0	0	0	0	0	0	0	0	0	0									
Pakistan	5540	5540	0	0	0	0	0	0	0	0	0	0	0									
Palestine	10	10	0	0	0	0	0	0	0	0	0	0	0									
Qatar	3	3	0	0	0	0	0	0	0	0	0	0	0									
Saudi Arabia	95	95	0	0	0	0	3	0	0	3	2	0	1									
Somalia	1164	1164	0	0	0	0	0	0	0	0	0	0	0									
Sudan	98	98	0	0	0	0	19	0	0	19	8	11	0									
Syria	143	143	0	0	0	0	0	0	0	0	0	0	0									
Tunisia	13	13	0	0	0	0	2	0	0	2	2	0	0									
UAE	22	22	0	0	0	0	0	0	0	0	0	0	0									
Yemen	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR									
Total	9363	9363	0	0	0	0	49	0	0	49	17	16	16									

* 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)

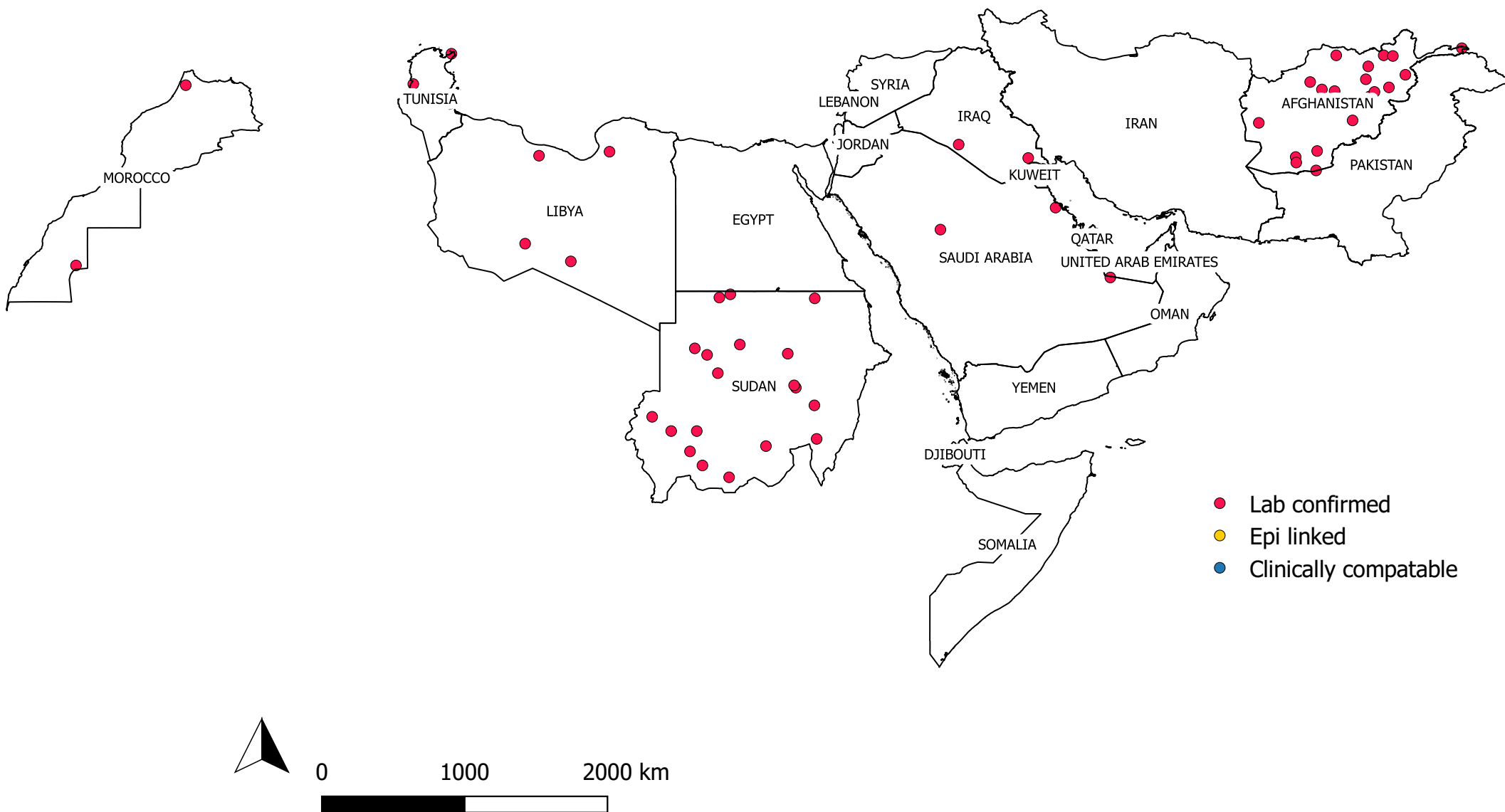
** Importation related measles/rubella case – a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence

***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

Cumulative geographic distribution of Rubella cases in the EMR countries March 2021



Measles and Rubella laboratory summary report

Between 01-Jan-21 and 31-Mar-21

Country	Measles								Rubella							
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%
Afghanistan	907	100%	724	80%	183	20%	3	0.3%	907	100%	19	2%	888	98%	0	0%
Bahrain	21	100%	0	0%	21	100%	0	0%	21	100%	0	0%	21	100%	0	0%
Iran	549	100%	0	0%	549	100%	0	0%	549	100%	0	0%	549	100%	0	0%
Iraq	33	100%	3	9%	30	91%	1	0%	33	100%	2	6%	31	94%	1	0%
Jordan	NR	100%	0	0%	0	0%	0	0%	NR	100%	0	0%	0	0%	0	0%
Egypt	657	100%	0	0%	657	100%	0	0%	657	100%	0	0%	657	100%	0	0%
Kuwait	11	100%	1	0%	10	0%	0	0%	11	100%	0	0%	0	0%	0	0%
Lebanon	5	100%	5	100%	0	0%	0	0%	5	100%	0	0%	5	100%	0	0%
Libya	26	100%	4	15%	22	85%	0	0%	26	100%	4	15%	22	85%	1	0%
Morocco	15	100%	0	0%	15	100%	0	0%	15	100%	0	0%	0	0%	0	0%
Oman	51	100%	0	0%	51	0%	0	0%	51	100%	0	0%	0	0%	0	0%
Pakistan	5540	100%	2832	51%	2708	49%	0	0%	5540	100%	0	0%	3009	54%	0	0%
Palestine	10	100%	0	0%	0	0%	0	0%	10	100%	0	0%	0	0%	0	0%
Qatar	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%
Saudi Arabia	95	100%	2	2%	93	98%	0	0%	95	100%	3	3%	92	97%	0	0%
Somalia	1164	100%	231	20%	933	80%	0	0%	0	0%	0	0%	0	0%	0	0%
Sudan	98	100%	12	12%	86	88%	0	0%	98	100%	19	19%	79	81%	0	0%
Syria	143	100%	5	3%	138	97%	2	0%	143	100%	0	0%	143	100%	0	0%
Tunisia	13	100%	1	8%	12	92%	0	0%	13	100%	2	15%	11	85%	0	0%
UAE	22	100%	4	18%	18	82%	0	0%	22	100%	0	0%	22	100%	0	0%
Yemen	NR	100%	0	0%	0	0%	0	0%	NR	100%	0	0%	0	0%	0	0%