

## EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2021 and 31/05/2021

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	1666	1650	1198	1	71	1270	380	1650	27	0	0	27	1623	35.71	1.07	99%	98%	94%	100%	81%	31-05-2021	
Bahrain	30	30	0	0	0	0	30	30	0	0	0	0	30	0.00	2.00	100%	100%	100%	100%	100%	31-05-2021	
<b>Djibouti</b>	NR*	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
Iran	1265	1235	39	0	0	39	1196	1235	12	0	0	12	1223	0.48	1.47	98%	80%	97%	100%	63%	31-05-2021	
Iraq	53	53	3	0	0	3	50	53	2	0	0	2	51	0.07	0.13	100%	73%	78%	100%	92%	31-05-2021	
Jordan	1	1	0	0	0	0	1	1	0	0	0	0	1	0.00	0.01	100%	100%	100%	100%	100%	31-05-2021	
Egypt	957	950	0	0	0	0	950	950	0	0	0	0	950	0.00	0.97	99%	74%	93%	100%	71%	31-05-2021	
Kuwait	22	22	3	0	0	3	19	22	2	0	0	2	20	0.72	0.45	100%	100%	100%	100%	100%	31-05-2021	
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	41	41	5	0	0	5	36	41	6	0	0	6	35	0.78	0.56	100%	68%	16%	100%	44%	30-04-2021	
Morocco	23	23	0	0	0	0	23	23	2	0	0	2	21	0.00	0.06	100%	100%	93%	100%	94%	31-05-2021	
Oman	89	88	0	0	0	0	88	88	0	0	0	0	88	0.00	1.89	99%	98%	93%	100%	92%	31-05-2021	B3 imp.
Pakistan	10367	9556	4126	183	721	5030	4526	9556	25	0	0	25	9531	25.53	2.29	92%	100%	80%	95%	61%	31-05-2021	
Palestine	12	12	0	0	0	0	12	12	0	0	0	0	12	0.00	0.20	100%	98%	60%	100%	80%	31-05-2021	
Qatar	4	4	0	0	0	0	4	4	0	0	0	0	4	0.00	0.15	100%	100%	100%	100%	100%	31-05-2021	
Saudi Arabia	139	139	5	0	0	5	134	139	5	0	0	5	134	0.15	0.41	100%	100%	100%	100%	99%	31-05-2021	
<b>Somalia ★</b>	2318	2318	339	0	0	339	1979	0	0	0	0	0	0	22.99	1.02	100%	100%	97%	100%	37%	31-05-2021	
Sudan	519	429	101	32	0	133	296	429	110	44	0	154	275	3.28	0.73	83%	100%	77%	100%	40%	31-05-2021	
Syria	254	254	8	0	0	8	246	250	2	0	0	2	248	0.43	1.34	100%	100%	64%	100%	100%	31-05-2021	
Tunisia	23	22	1	0	0	1	21	22	2	0	0	2	20	0.08	0.18	96%	91%	64%	100%	88%	31-05-2021	
UAE	42	42	10	0	4	14	28	42	0	0	0	0	42	1.48	0.29	100%	100%	95%	100%	94%	31-05-2021	
Yemen	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR		
<b>Total</b>	<b>17830</b>	<b>16874</b>	<b>5838</b>	<b>216</b>	<b>801</b>	<b>6855</b>	<b>10019</b>	<b>14552</b>	<b>195</b>	<b>44</b>	<b>0</b>	<b>239</b>	<b>14313</b>	<b>4.87</b>	<b>0.80</b>	<b>100%</b>	<b>99%</b>	<b>90%</b>	<b>105%</b>	<b>85%</b>		

\*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 31/05/2021

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	1666	1650	0	0	0	0	1198	1	71	1270	123	230	374	338	205							
Bahrain	30	30	0	0	3	0	0	0	0	0	0	0	0	0	0							
<b>Djibouti</b>	<b>NR*</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>							
Iran	1265	1235	0	0	70	0	39	0	0	39	0	0	0	17	22							
Iraq	53	53	0	0	0	0	3	0	0	3	3	0	0	0	0							
Jordan	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0							
Egypt	957	950	0	0	0	0	0	0	0	0	0	0	0	0	0							
Kuwait	22	22	0	0	0	0	3	0	0	3	0	1	0	0	2							
Lebanon	5	5	0	0	0	0	0	0	5	5	1	2	2	NR	NR							
Libya	41	41	0	0	0	0	5	0	0	5	0	4	0	1	NR							
Morocco	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0							
Oman	89	88	0	0	3	0	0	0	0	0	0	0	0	0	0							
Pakistan	10367	9556	0	0	0	0	4126	183	721	5030	677	970	1185	1444	754							
Palestine	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0							
Qatar	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0							
Saudi Arabia	139	139	0	0	0	0	5	0	0	5	0	0	2	0	3							
Somalia	2318	2318	0	0	0	0	339	0	0	339	84	102	45	82	26							
Sudan	519	429	0	0	0	0	101	32	0	133	4	8	8	25	88							
Syria	254	254	0	0	8	0	8	0	0	8	2	2	1	3	0							
Tunisia	23	22	0	0	1	0	1	0	0	1	0	1	0	0	0							
UAE	42	42	0	0	0	0	10	0	4	14	1	3	1	4	5							
Yemen	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR	NR							
<b>Total</b>	<b>17830</b>	<b>16874</b>	<b>0</b>	<b>0</b>	<b>85</b>	<b>0</b>	<b>5838</b>	<b>216</b>	<b>801</b>	<b>6855</b>	<b>895</b>	<b>1323</b>	<b>1618</b>	<b>1914</b>	<b>1105</b>							

\* 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)

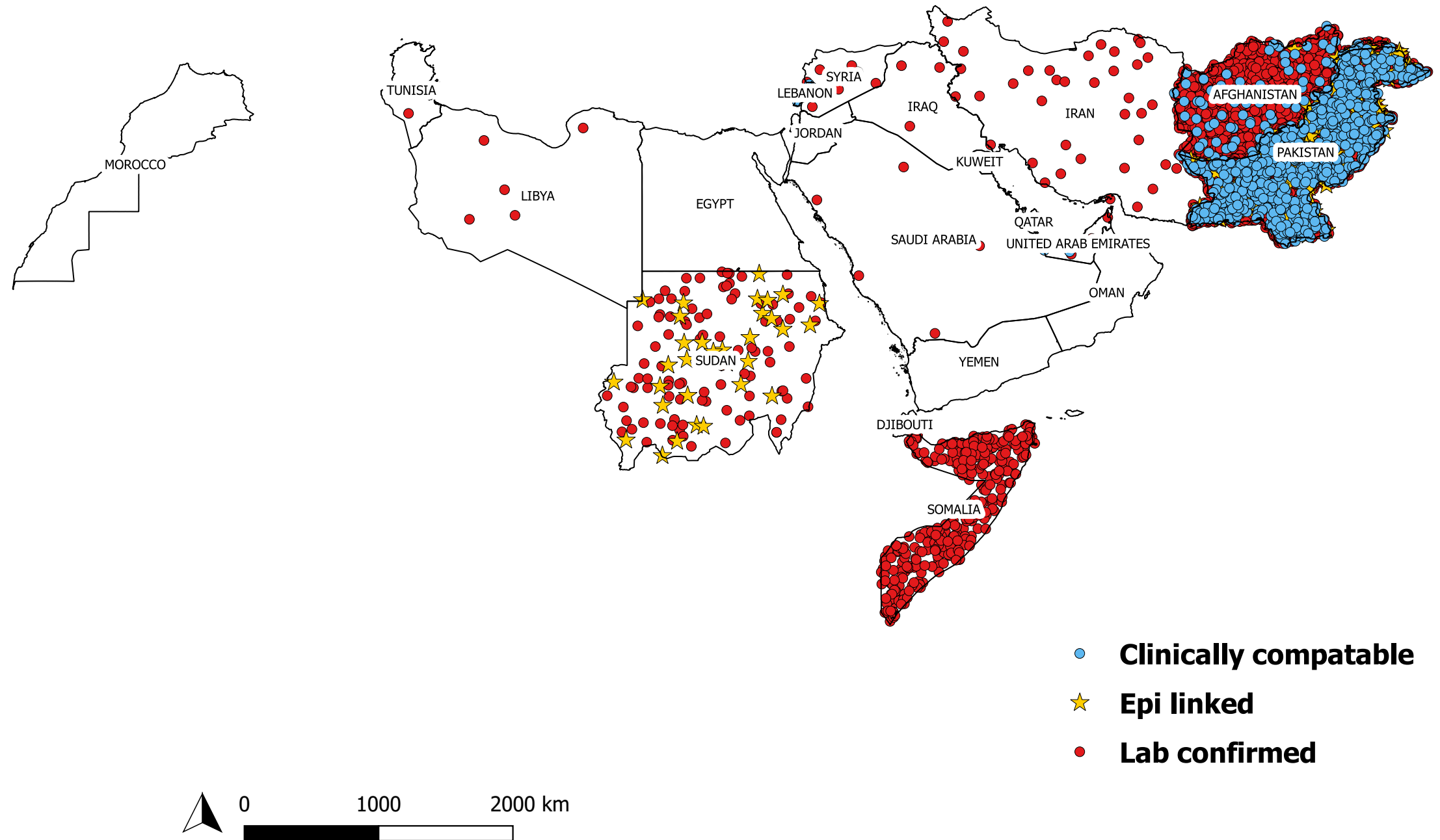
\*\* Importation related measles/rubella case – a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence

\*\*\*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 May 2021



## Rubella final classification and distribution by Month

Between 01/01/2021 and 31/05/2021

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	1666	1650	0	0	0	0	27	0	0	27	2	2	15	3	5							
Bahrain	30	30	0	0	0	0	0	0	0	0	0	0	0	0	0							
<b>Djibouti</b>	<b>NR*</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>	<b>NR</b>							
Iran	1265	1235	0	0	0	0	12	0	0	12	0	0	0	3	9							
Iraq	53	53	0	0	0	0	2	0	0	2	2	0	0	0	0							
Jordan	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0							
Egypt	957	950	0	0	0	0	0	0	0	0	0	0	0	0	0							
Kuwait	22	22	0	0	0	0	2	0	0	2	0	0	0	0	2							
Lebanon	5	5	0	0	0	0	0	0	0	0	0	0	0	NR	NR							
Libya	41	41	0	0	0	0	6	0	0	6	1	3	0	2	NR							
Morocco	23	23	0	0	0	0	2	0	0	2	0	0	0	2	0							
Oman	89	88	0	0	0	0	0	0	0	0	0	0	0	0	0							
Pakistan	10367	9556	0	0	0	0	25	0	0	25	0	0	0	18	7							
Palestine	12	12	0	0	0	0	0	0	0	0	0	0	0	0	0							
Qatar	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0							
Saudi Arabia	139	139	0	0	0	0	5	0	0	5	2	0	1	1	1							
Somalia	2318	2318	0	0	0	0	0	0	0	0	0	0	0	0	0							
Sudan	519	429	0	0	0	0	110	44	0	154	8	11	18	66	51							
Syria	254	250	0	0	0	0	2	0	0	2	0	0	0	1	1							
Tunisia	23	22	0	0	0	0	2	0	0	2	2	0	0	0	0							
UAE	42	42	0	0	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	NR	NR							
<b>Total</b>	<b>17830</b>	<b>16870</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>195</b>	<b>44</b>	<b>0</b>	<b>239</b>	<b>17</b>	<b>16</b>	<b>34</b>	<b>96</b>	<b>76</b>							

\* 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)

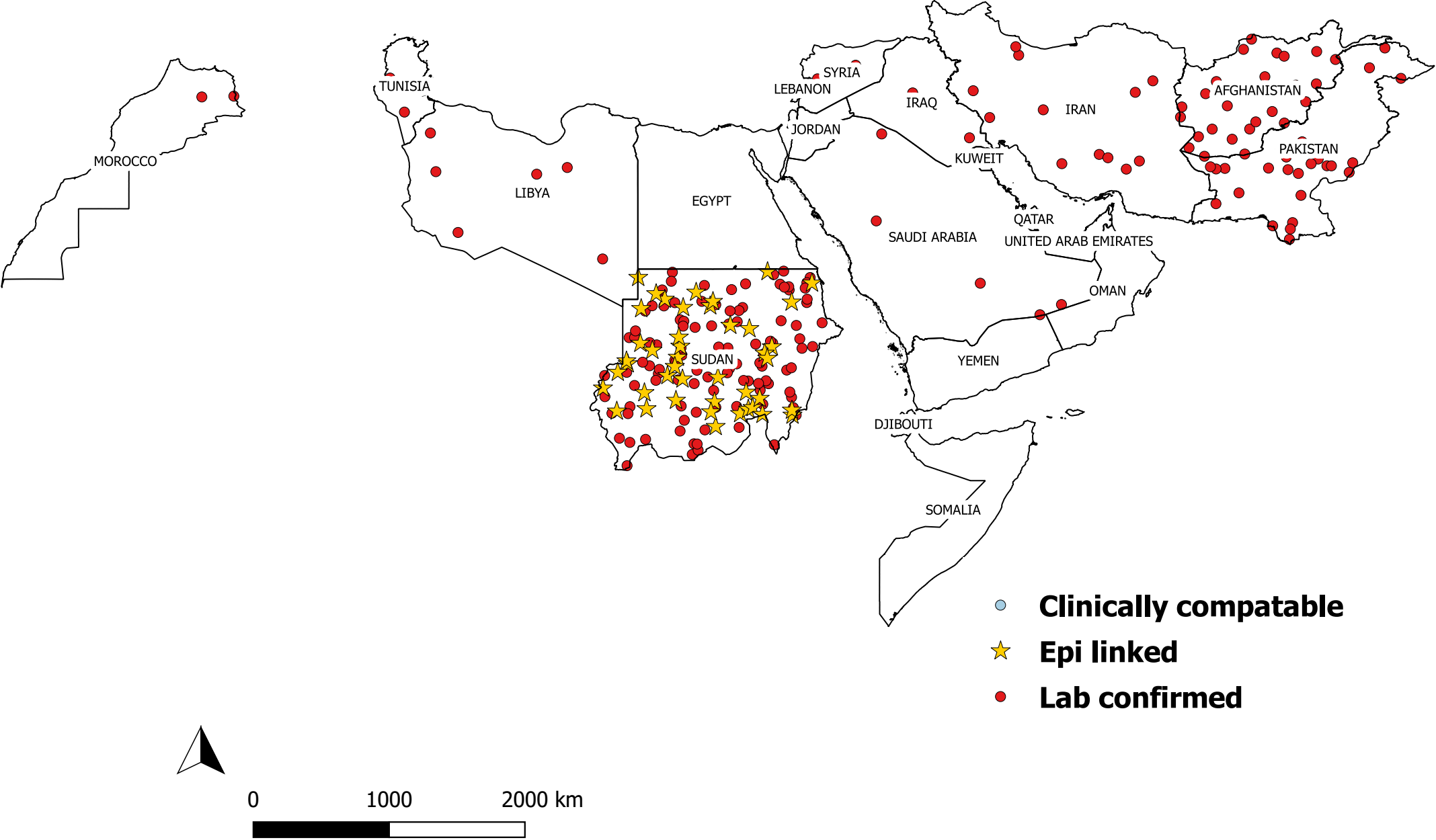
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# Total confirmed cases; include all cases confirmed by laboratory testing or epi linkage, plus those clinical cases that were reported without a laboratory specimen or epi linkage

\*NR- Not reported to date

# Cumulative geographic distribution of Rubella cases in the EMR countries May 2021



## Measles and Rubella laboratory summary report

Between 01-Jan-21 and 31-May-21

Country	Measles								Rubella							
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%
Afghanistan	1650	99%	1270	77%	377	23%	3	0.2%	1650	100%	27	2%	1622	98%	1	0%
Bahrain	30	100%	0	0%	30	100%	0	0%	30	100%	0	0%	30	100%	0	0%
Iran	1235	98%	39	3%	1196	97%	0	0%	1235	98%	12	1%	1223	99%	0	0%
Iraq	53	100%	3	6%	49	92%	1	0%	53	100%	2	4%	50	94%	1	0%
Jordan	1	100%	0	0%	1	100%	0	0%	1	100%	0	0%	1	100%	0	0%
Egypt	950	99%	0	0%	950	100%	0	0%	950	99%	0	0%	950	100%	0	0%
Kuwait	22	100%	3	14%	19	86%	0	0%	22	100%	0	0%	22	100%	0	0%
Lebanon	5	100%	5	100%	0	0%	0	0%	5	100%	0	0%	5	100%	0	0%
Libya	41	100%	5	12%	35	85%	1	0%	41	100%	6	15%	34	83%	1	0%
Morocco	23	100%	0	0%	23	100%	0	0%	23	100%	2	9%	21	91%	0	0%
Oman	88	99%	0	0%	88	100%	0	0%	88	99%	0	0%	88	100%	0	0%
Pakistan	9556	92%	5030	53%	4526	47%	0	0%	9556	92%	25	0%	9531	100%	0	0%
Palestine	12	100%	0	0%	12	100%	0	0%	12	100%	0	0%	12	100%	0	0%
Qatar	4	100%	0	0%	4	100%	0	0%	4	100%	0	0%	4	100%	0	0%
Saudi Arabia	139	100%	5	4%	134	96%	0	0%	139	100%	5	4%	134	96%	0	0%
Somalia	2318	100%	339	15%	1979	85%	0	0%	2318	100%	0	0%	2318	100%	0	0%
Sudan	429	83%	133	31%	292	68%	4	0%	429	83%	154	36%	269	63%	6	0%
Syria	254	100%	8	3%	244	96%	2	0%	250	98%	2	1%	248	99%	0	0%
Tunisia	22	96%	1	5%	21	95%	0	0%	22	96%	2	9%	20	91%	0	0%
UAE	42	100%	14	33%	28	67%	0	0%	42	100%	0	0%	42	100%	0	0%
Yemen	NR	0%	0	0%	0	0%	0	0%	NR	0%	0	0%	0	0%	0	0%