

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2020 and 29/02/2020

Country	Measles case finding report							Rubella case finding report						Measles incidence/100,000 *	Rubella 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	29	29	8	0	0	8	17	21	4	0	0	4	17	0.25	0.12	0.05	100%	100%	59%	100%	100%	24/02/2020	
Bahrain	53	53	0	0	0	0	53	53	0	0	0	0	53	0.00	0.00	3.53	100%	100%	98%	100%	98%	29/02/2020	
Djibouti																							
Iran	654	567	0	0	0	0	637	567	1	0	0	1	566	0.00	0.01	0.82	87%	51%	83%	100%	94%	29/02/2020	
Iraq	295	280	223	0	0	223	72	182	11	0	0	11	171	6.00	0.30	0.16	95%	72%	73%	100%	99%	29/02/2020	
Jordan	8	8	0	0	0	0	8	6	0	0	0	0	6	0.00	0.00	0.08	100%	75%	100%	100%	75%	07/01/2020	
Egypt	441	427	0	0	0	0	418	424	0	0	0	0	424	0.00	0.00	0.46	97%	100%	100%	100%	82%	29/02/2020	
Kuwait	3	3	0	0	0	0	3	3	0	0	0	0	3	0.00	0.00	0.07	100%	100%	100%	100%	0%	15/01/2020	
Lebanon	16	11	0	0	5	5	11	11	0	0	0	0	11	0.87	0.00	0.19	69%	100%	30%	100%	0%	30/01/2020	
Libya	94	93	15	0	0	15	78	93	4	0	0	4	89	2.15	0.57	1.08	99%	100%	29%	100%	92%	29/02/2020	
Morocco	21	21	3	0	0	3	17	15	1	0	0	1	14	0.09	0.03	0.05	100%	100%	100%	100%	100%	29/01/2020	
Oman	223	218	0	0	0	0	212	218	0	0	0	0	218	0.00	0.00	4.89	98%	98%	93%	100%	92%	29/02/2020	B3 imp.
Pakistan	1546	1246	509	54	185	748	753	1246	44	1	0	45	1201	3.50	0.21	0.35	84%	98%	44%	90%	46%	29/02/2020	
Palestine	46	46	6	0	0	6	39	46	0	0	0	0	46	1.27	0.00	0.85	100%	83%	85%	100%	100%	29/02/2020	
Qatar	23	23	3	0	0	3	16	16	0	0	0	0	16	1.10	0.00	0.73	100%	100%	96%	100%	77%	23/02/2020	
Saudi Arabia	151	151	12	0	0	12	130	151	10	0	0	10	141	0.37	0.31	0.40	100%	98%	100%	100%	100%	29/02/2020	
Somalia ★	499	60	55	0	439	494	5	4	0	0	0	0	4	35.52	0.00	0.03	12%	12%	100%	100%	57%	29/02/2020	
Sudan	135	86	14	26	0	40	74	82	25	0	0	25	57	0.86	0.54	0.15	79%	99%	90%	93%	92%	30/01/2020	
Syria	142	142	2	0	0	2	138	142	0	0	0	0	142	0.08	0.00	0.57	100%	100%	55%	100%	100%	29/02/2020	
Tunisia	127	127	4	0	0	4	111	127	12	0	0	12	115	0.35	1.05	0.97	100%	86%	65%	100%	97%	28/02/2020	
UAE	42	40	6	0	0	6	27	42	9	0	0	9	33	0.66	0.99	0.30	95%	95%	88%	100%	64%	28/02/2020	
Yemen																							
Total	4548	3631	860	80	629	1569	2819	3449	121	1	0	122	3327	2.32	0.07	0.24	85%	92%	77%	98%	81%		

*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

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 01/01/2020 and 29/02/2020

Country	Total Suspected cases for measles	Total specimens tested	Measles positive ELISA	Imported Measles cases	Measles import related	Unknown source	Vaccine related	Pending result	Measles Lab confirmed	Measles Epi-Linked	Measles clinically compatible	Total Measles	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	29	29	8	0	0	0	0	0	8	0	0	8	2	6										
Bahrain	53	53	0	0	0	0	0	0	0	0	0	0	0	0										
Djibouti																								
Iran	654	567	18	0	1	0	15	0	0	0	0	0	0	0										
Iraq	295	280	223	0	0	0	0	0	223	0	0	223	85	138										
Jordan	8	8	0	0	0	0	0	0	0	0	0	0	0	0										
Egypt	441	427	2	0	2	0	0	21	0	0	0	0	0	0										
Kuwait	3	3	0	0	0	0	0	0	0	0	0	0	0	0										
Lebanon	16	11	0	0	0	0	0	0	0	0	5	5	5	0										
Libya	94	93	15	0	0	0	0	0	15	0	0	15	8	7										
Morocco	21	21	3	0	0	0	0	0	3	0	0	3	3	0										
Oman	223	218	11	1	1	0	2	7	0	0	0	0	0	0										
Pakistan	1546	1246	509	0	0	0	0	0	509	54	185	748	299	449										
Palestine	46	46	7	0	0	0	1	0	6	0	0	6	3	3										
Qatar	23	23	6	2	0	0	1	0	3	0	0	3	3	0										
Saudi Arabia	151	151	12	0	0	0	0	0	12	0	0	12	5	7										
Somalia	499	60	55	0	0	0	0	0	55	0	439	494	300	194										
Sudan	135	86	14	0	0	0	0	0	14	26	0	40	40	0										
Syria	142	142	2	0	0	0	0	0	2	0	0	2	0	2										
Tunisia	127	127	4	0	0	0	0	0	4	0	0	4	3	1										
UAE	42	40	6	0	0	0	0	0	6	0	0	6	3	3										
Yemen																								
Total	4548	3631	895	3	4	0	19	28	860	80	629	1569	759	810										

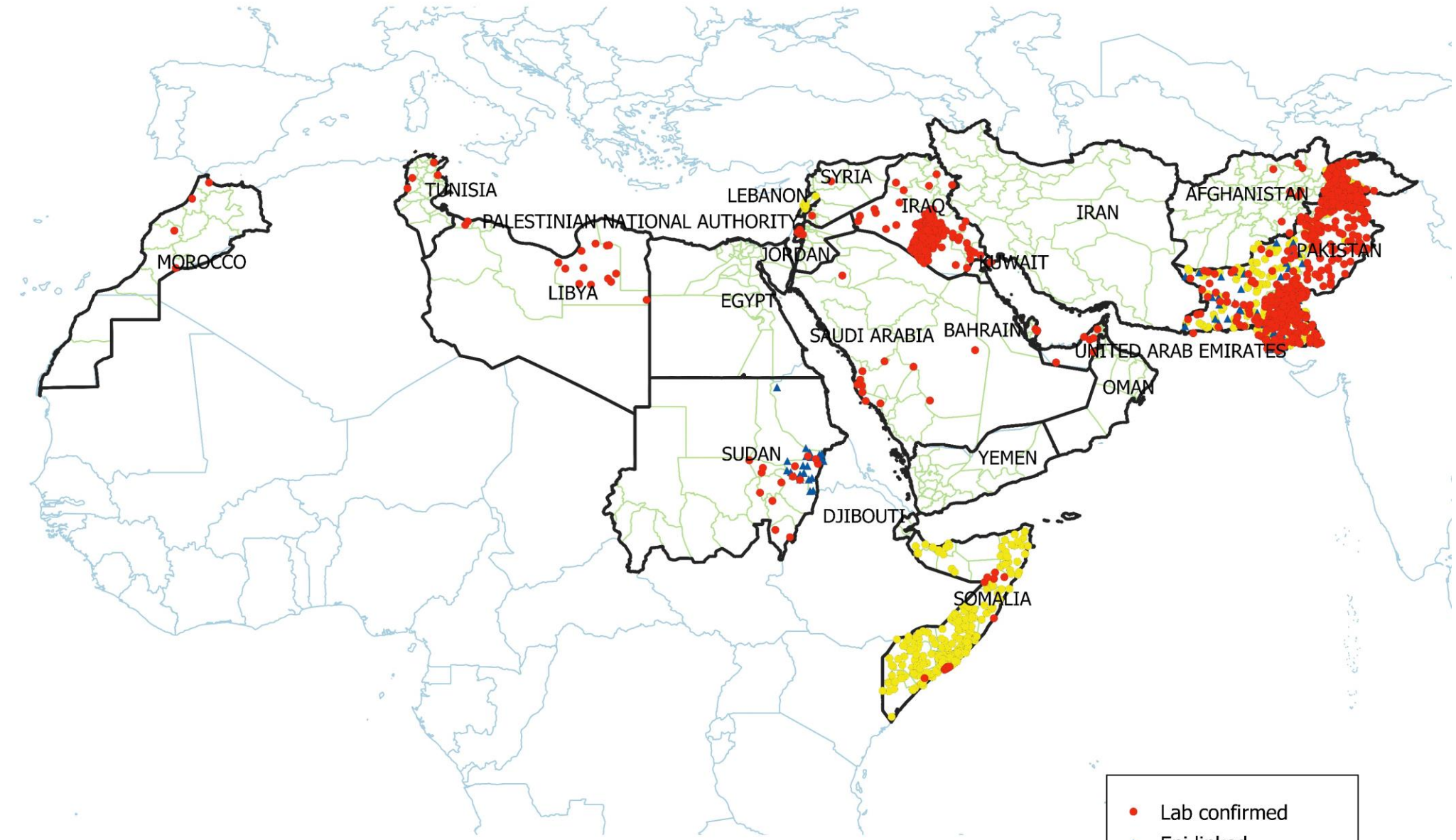
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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

Cumulative geographic distribution of Measles cases in the EMR countries February 2020



- Lab confirmed
- ▲ Epi linked
- Clinically compatible



Rubella final classification and distribution by Month

Between 01/01/2020 and 29/02/2020

Country	Total Suspected cases for Rubella	Total specimens tested	Rubella positive ELISA	Imported Rubella cases	Rubella import related	Unknown source	Vaccine related	Pending result	Rubella Lab confirmed	Rubella Epi-Linked	Rubella clinically compatible	Total Rubella	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	29	21	4	0	0	0	0	0	4	0	0	4	4	0										
Bahrain	53	53	0	0	0	0	0	0	0	0	0	0	0	0										
Djibouti																								
Iran	654	567	3	0	0	0	1	0	1	0	0	1	0	1										
Iraq	295	182	11	0	0	0	0	0	11	0	0	11	4	7										
Jordan	8	6	0	0	0	0	0	0	0	0	0	0	0	0										
Egypt	441	424	2	0	0	0	0	21	0	0	0	0	0	0										
Kuwait	3	3	0	0	0	0	0	0	0	0	0	0	0	0										
Lebanon	16	11	0	0	0	0	0	0	0	0	0	0	0	0										
Libya	94	93	4	0	0	0	0	0	4	0	0	4	2	2										
Morocco	21	15	1	0	0	0	0	0	1	0	0	1	1	0										
Oman	223	218	9	0	0	0	2	7	0	0	0	0	0	0										
Pakistan	1546	1246	44	0	0	0	0	0	44	1	0	45	14	31										
Palestine	46	46	0	0	0	0	0	0	0	0	0	0	0	0										
Qatar	23	16	1	1	0	0	0	0	0	0	0	0	0	0										
Saudi Arabia	151	151	10	0	0	0	0	0	10	0	0	10	5	5										
Somalia	499	4	0	0	0	0	0	0	0	0	0	0	0	0										
Sudan	135	82	25	0	0	0	0	0	25	0	0	25	25	0										
Syria	142	142	1	0	0	0	2	0	0	0	0	0	0	0										
Tunisia	127	127	12	0	0	0	0	0	12	0	0	12	7	5										
UAE	42	42	9	0	0	0	0	0	9	0	0	9	3	6										
Yemen																								
Total	4548	3449	136	1	0	0	5	28	121	1	0	122	65	57										

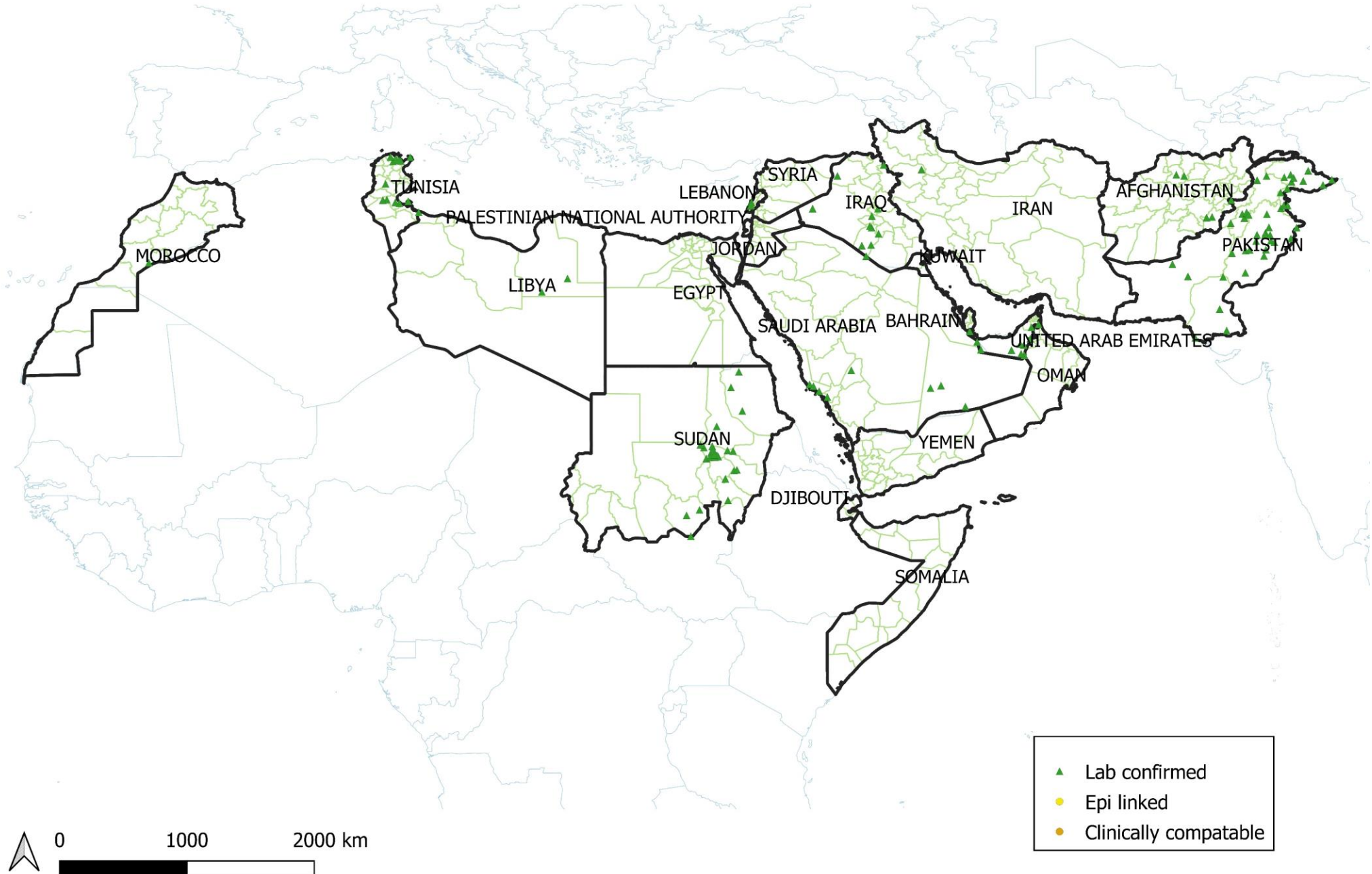
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Total confirmed cases; include all cases confirmed by laboratory testing or epi linkage, plus those clinical cases that were reported without a laboratory specimen or epi linkage

Cumulative geographic distribution of Rubella cases in the EMR countries February 2020



Measles and Rubella laboratory summary report

Between 01/01/2020 and 29/02/2020

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	29	100%	8	28%	21	72%	0	0%	21	72%	4	19%	17	81%	0	0%	100%
Bahrain	53	100%	0	0%	53	100%	0	0%	53	100%	0	0%	53	100%	0	0%	98%
Iran	567	87%	18	3%	549	97%	0	0%	567	87%	3	1%	564	99%	0	0%	94%
Iraq	280	95%	223	80%	57	20%	0	0%	182	62%	11	6%	171	94%	0	0%	99%
Jordan	8	100%	0	0%	8	100%	0	0%	6	75%	0	0%	6	100%	0	0%	75%
Egypt	427	97%	2	0%	425	100%	0	0%	424	96%	2	0%	422	100%	0	0%	82%
Kuwait	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%	
Lebanon	11	69%	0	0%	11	100%	0	0%	11	69%	0	0%	11	100%	0	0%	
Libya	93	99%	15	16%	76	82%	2	2%	93	99%	4	4%	81	87%	8	9%	92%
Morocco	21	100%	3	14%	18	86%	0	0%	15	71%	1	7%	14	93%	0	0%	100%
Oman	218	98%	11	5%	204	94%	3	1%	218	98%	9	4%	208	95%	1	0%	92%
Pakistan	1246	81%	509	41%	737	59%	0	0%	1246	81%	44	4%	1202	96%	0	0%	46%
Palestine	46	100%	7	15%	39	85%	0	0%	46	100%	0	0%	46	100%	0	0%	100%
Qatar	23	100%	6	26%	17	74%	0	0%	16	70%	1	6%	15	94%	0	0%	77%
Saudi Arabia	151	100%	12	8%	139	92%	0	0%	151	100%	10	7%	141	93%	0	0%	100%
Somalia	60	100%	55	92%	4	7%	1	2%	4	7%	0	0%	4	100%	0	0%	57%
Sudan	86	64%	14	16%	72	84%	0	0%	82	61%	25	30%	57	70%	0	0%	92%
Syria	142	100%	2	1%	140	99%	0	0%	142	100%	1	1%	140	99%	1	1%	100%
Tunisia	127	100%	4	3%	120	94%	3	2%	127	100%	12	9%	111	87%	4	3%	97%
UAE	40	95%	6	15%	34	85%	0	0%	42	100%	9	21%	32	76%	1	2%	64%