

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2020 and 31/05/2020

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	393	393	283	0	0	283	102	137	8	0	0	8	129	8.77	0.25	0.32	100%	20%	89%	100%	45%	29/05/2020		
Bahrain	87	87	0	0	0	0	87	87	0	0	0	0	87	0.00	0.00	5.80	100%	100%	99%	100%	99%	30/05/2020		
Djibouti																								
Iran	1063	1029	0	0	0	0	1015	1029	2	0	0	2	1027	0.00	0.03	1.33	97%	98%	93%	100%	94%	31/05/2020		
Iraq	416	377	294	0	0	294	122	212	15	0	0	15	197	7.92	0.40	0.29	91%	73%	73%	100%	99%	14/04/2020		
Jordan	7	7	0	0	0	0	7	5	0	0	0	0	5	0.00	0.00	0.07	100%	29%	86%	100%	50%	13/03/2020		
Egypt	654	481	0	0	0	0	466	477	0	0	0	0	477	0.00	0.00	0.68	74%	99%	100%	100%	64%	31/05/2020		
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	26	11	0	0	15	15	11	11	0	0	0	0	11	2.61	0.00	0.19	42%	100%	10%	100%	0%	07/04/2020		
Libya	119	118	18	0	0	18	99	118	6	0	0	6	112	2.58	0.86	1.36	99%	73%	36%	100%	91%	28/05/2020		
Morocco	81	81	4	0	0	4	76	18	1	0	0	1	17	0.11	0.03	0.22	100%	98%	99%	100%	89%	09/05/2020		
Oman	318	312	0	0	0	0	301	311	0	0	0	0	311	0.00	0.00	6.97	98%	74%	95%	100%	91%	08/05/2020	B3 imp.	
Pakistan	3075	2316	831	66	667	1564	1163	2049	76	1	0	77	1972	7.32	0.36	0.67	77%	98%	79%	97%	79%	31/05/2020		
Palestine	53	53	6	0	0	6	45	53	0	0	0	0	53	1.27	0.00	1.00	100%	85%	87%	100%	94%	27/05/2020		
Qatar	30	30	3	0	0	3	23	21	0	0	0	0	21	1.10	0.00	0.99	100%	100%	93%	100%	64%	31/05/2020		
Saudi Arabia	255	255	29	0	0	29	214	255	14	0	0	14	241	0.89	0.43	0.65	100%	99%	100%	100%	100%	20/05/2020		
Somalia ★	972	60	55	0	912	967	5	4	0	0	0	0	4	69.53	0.00	0.03	6%	6%	100%	100%	57%	31/05/2020		
Sudan	810	546	103	186	0	289	241	544	212	0	0	212	332	6.22	4.57	0.67	88%	99%	85%	98%	92%	13/05/2020		
Syria	302	302	6	0	0	6	288	300	1	0	0	1	299	0.25	0.04	1.21	100%	100%	52%	99%	99%	31/05/2020		
Tunisia	183	183	3	0	0	3	164	183	16	0	0	16	167	0.26	1.40	1.43	100%	87%	66%	100%	90%	30/05/2020		
UAE	67	64	11	0	2	13	44	64	10	0	0	10	54	1.43	1.10	0.48	96%	96%	86%	100%	60%	15/05/2020		
Yemen																								
Total	8914	6708	1646	252	1596	3494	4476	5881	361	1	0	362	5519	5.18	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 31/05/2020

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	393	393	283	0	0	0	0	0	283	0	0	283	89	93	37	37	27							
Bahrain	87	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Djibouti																								
Iran	1063	1029	42	0	1	0	39	0	0	0	0	0	0	0	0	0	0							
Iraq	416	377	294	0	0	0	0	0	294	0	0	294	85	138	69	2	0							
Jordan	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Egypt	654	481	2	0	2	0	0	186	0	0	0	0	0	0	0	0	0							
Kuwait	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Lebanon	26	11	0	0	0	0	0	0	0	0	15	15	5	8	1	1	0							
Libya	119	118	18	0	0	0	0	0	18	0	0	18	8	7	2	0	1							
Morocco	81	81	4	0	0	0	0	0	4	0	0	4	3	0	1	0	0							
Oman	318	312	22	2	5	0	4	6	0	0	0	0	0	0	0	0	0							
Pakistan	3075	2316	831	0	0	0	0	271	831	66	667	1564	373	531	481	123	56							
Palestine	53	53	8	0	0	0	2	0	6	0	0	6	3	3	0	0	0							
Qatar	30	30	6	2	0	0	1	0	3	0	0	3	3	0	0	0	0							
Saudi Arabia	255	255	29	0	0	0	0	0	29	0	0	29	5	7	10	6	1							
Somalia	972	60	55	0	0	0	0	0	55	0	912	967	300	194	211	138	124							
Sudan	810	546	103	0	0	0	0	104	103	186	0	289	63	120	80	24	2							
Syria	302	302	8	0	0	0	2	0	6	0	0	6	0	2	2	1	1							
Tunisia	183	183	3	0	0	0	0	0	3	0	0	3	2	1	0	0	0							
UAE	67	64	11	0	0	0	0	0	11	0	2	13	3	3	5	2	0							
Yemen																								
Total	8914	6708	1719	4	8	0	48	567	1646	252	1596	3494	942	1107	899	334	212							

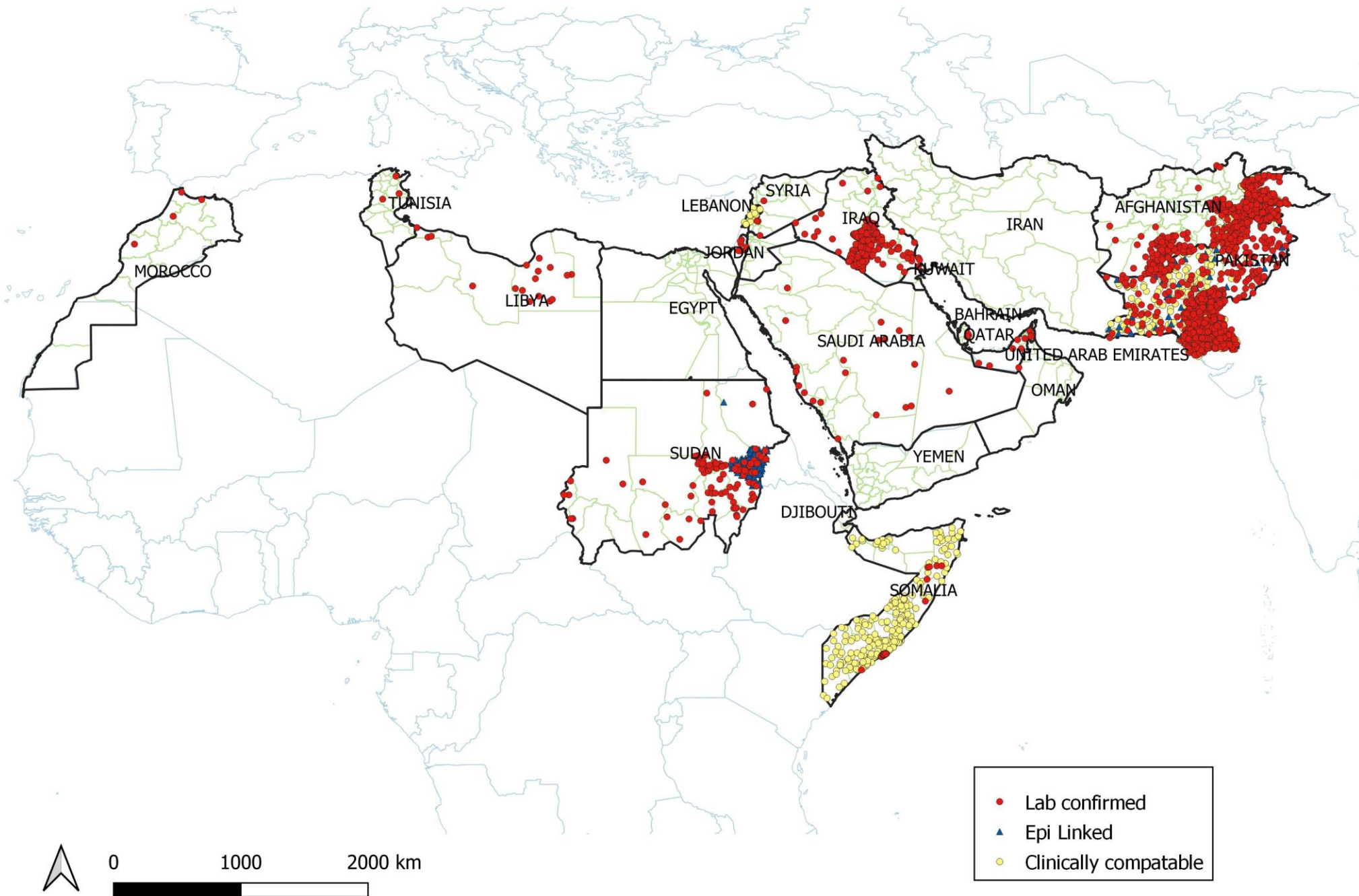
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 May 2020



Rubella final classification and distribution by Month

Between 01/01/2020 and 31/05/2020

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	393	137	8	0	0	0	0	0	8	0	0	8	6	2	0	0	0							
Bahrain	87	87	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Djibouti																								
Iran	1063	1029	10	0	0	0	8	0	2	0	0	2	0	1	0	0	1							
Iraq	416	212	15	0	0	0	0	0	15	0	0	15	4	7	4	0	0							
Jordan	7	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Egypt	654	477	2	0	0	0	0	186	0	0	0	0	0	0	0	0	0							
Kuwait	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Lebanon	26	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Libya	119	118	6	0	0	0	0	0	6	0	0	6	2	2	1	0	1							
Morocco	81	18	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0							
Oman	318	311	15	0	1	0	4	6	0	0	0	0	0	0	0	0	0							
Pakistan	3075	2049	76	0	0	0	0	271	76	1	0	77	11	28	33	5	0							
Palestine	53	53	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0							
Qatar	30	21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0							
Saudi Arabia	255	255	14	0	0	0	0	0	14	0	0	14	5	5	3	1	0							
Somalia	972	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
Sudan	810	544	212	0	0	0	0	104	212	0	0	212	28	85	96	3	0							
Syria	302	300	3	0	0	0	5	0	1	0	0	1	0	0	0	0	1							
Tunisia	183	183	17	0	0	0	0	0	16	0	0	16	8	6	1	0	1							
UAE	67	64	10	0	0	0	0	0	10	0	0	10	3	6	0	0	1							
Yemen																								
Total	8914	5881	391	1	1	0	18	567	361	1	0	362	68	142	138	9	5							

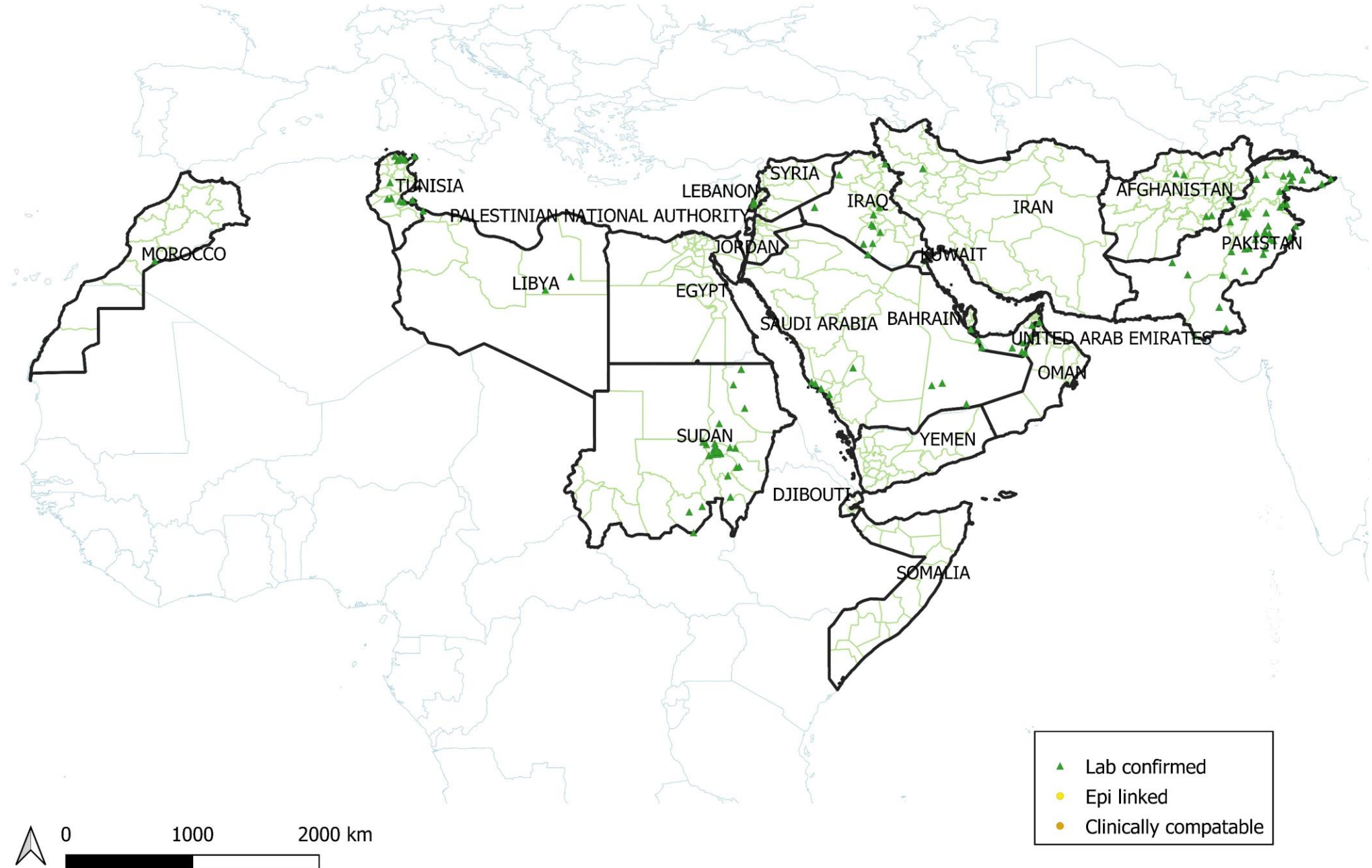
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 Rubella cases in the EMR countries May 2020



Measles and Rubella laboratory summary report

Between 01/01/2020 and 31/05/2020

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	393	100%	283	72%	109	28%	1	0%	137	35%	8	6%	129	94%	0	0%	45%
Bahrain	87	100%	0	0%	87	100%	0	0%	87	100%	0	0%	87	100%	0	0%	99%
Iran	1029	97%	42	4%	987	96%	0	0%	1029	97%	10	1%	1019	99%	0	0%	94%
Iraq	377	91%	294	78%	83	22%	0	0%	212	51%	15	7%	197	93%	0	0%	99%
Jordan	7	100%	0	0%	7	100%	0	0%	5	71%	0	0%	5	100%	0	0%	50%
Egypt	481	74%	2	0%	479	100%	0	0%	477	73%	2	0%	475	100%	0	0%	64%
Kuwait	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%	3	100%	0	0%	
Lebanon	11	42%	0	0%	11	100%	0	0%	11	42%	0	0%	11	100%	0	0%	
Libya	118	99%	18	15%	97	82%	3	3%	118	99%	6	5%	102	86%	10	8%	91%
Morocco	81	100%	4	5%	77	95%	0	0%	18	22%	1	6%	17	94%	0	0%	89%
Oman	312	98%	22	7%	288	92%	2	1%	311	98%	15	5%	295	95%	1	0%	91%
Pakistan	2316	75%	831	36%	1485	64%	0	0%	2049	67%	76	4%	1973	96%	0	0%	79%
Palestine	53	100%	8	15%	45	85%	0	0%	53	100%	1	2%	52	98%	0	0%	94%
Qatar	30	100%	6	20%	24	80%	0	0%	21	70%	1	5%	20	95%	0	0%	64%
Saudi Arabia	255	100%	29	11%	226	89%	0	0%	255	100%	14	5%	241	95%	0	0%	100%
Somalia	60	100%	55	92%	4	7%	1	2%	4	7%	0	0%	4	100%	0	0%	57%
Sudan	546	67%	103	19%	427	78%	16	3%	544	67%	212	39%	303	56%	29	5%	92%
Syria	302	100%	8	3%	294	97%	0	0%	300	99%	3	1%	294	98%	3	1%	99%
Tunisia	183	100%	3	2%	177	97%	3	2%	183	100%	17	9%	159	87%	7	4%	90%
UAE	64	96%	11	17%	52	81%	1	2%	64	96%	10	16%	53	83%	1	2%	60%