

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2020 and 31/10/2020

Country	Measles case finding report							Rubella case finding report						Measles incidence/1000,000 *	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	570	568	407	0	3	410	150	190	10	0	0	10	180	12.70	0.31	0.46	100%	95%	90%	100%	48%	27/10/2020	
Bahrain	124	124	0	0	0	0	122	124	0	0	0	0	124	0.00	0.00	8.26	100%	100%	100%	100%	99%	31/10/2020	
Djibouti																							
Iran	2157	2100	0	0	1	1	2028	2100	2	0	0	2	2098	0.01	0.03	2.69	97%	99%	93%	100%	95%	31/10/2020	
Iraq	466	413	312	0	0	312	114	413	18	0	0	18	395	8.40	0.48	0.37	89%	73%	60%	100%	80%	30/10/2020	
Jordan	11	11	0	0	0	0	11	7	0	0	0	0	7	0.00	0.00	0.11	100%	55%	91%	100%	30%	12/08/2020	
Egypt	1814	1764	0	0	0	0	1789	1767	0	0	0	0	1767	0.00	0.00	1.88	97%	99%	99%	100%	59%	31/10/2020	
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	144	141	20	0	0	20	121	141	8	0	0	8	133	2.87	1.15	1.66	98%	75%	35%	100%	86%	11/10/2020	
Morocco	117	111	5	0	0	5	109	41	3	0	0	3	38	0.14	0.09	0.31	95%	94%	89%	100%	81%	28/09/2020	
Oman	403	394	0	0	0	0	387	394	0	0	0	0	394	0.00	0.00	8.84	98%	100%	89%	100%	90%	27/10/2020	B3 imp.
Pakistan	6234	4821	1317	82	878	2277	3514	4576	95	1	0	96	4480	10.65	0.45	1.81	78%	97%	85%	95%	84%	30/10/2020	
Palestine	1295	1295	708	0	125	833	459	1295	0	0	0	0	1295	177.01	0.00	9.82	100%	83%	99%	100%	94%	31/10/2020	
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%	31/10/2020	
Saudi Arabia	378	378	29	0	0	29	328	378	23	0	0	23	355	0.89	0.71	1.00	100%	99%	100%	100%	100%	27/10/2020	
Somalia ★	2010	177	131	0	1833	1964	46	37	0	0	0	0	37	141.21	0.00	0.32	9%	9%	97%	100%	23%	31/10/2020	
Sudan	1183	907	173	180	0	353	450	900	289	0	0	289	611	7.60	6.22	1.17	90%	99%	64%	97%	79%	29/10/2020	
Syria	548	548	11	0	0	11	516	545	5	0	0	5	540	0.45	0.20	2.18	100%	100%	56%	99%	99%	31/10/2020	
Tunisia	272	271	11	0	0	11	236	271	29	0	0	29	242	0.96	2.53	2.03	100%	91%	64%	100%	88%	15/09/2020	
UAE	151	131	23	1	15	39	96	117	11	0	4	15	102	4.28	1.64	1.11	87%	99%	83%	99%	86%	27/10/2020	
Yemen	4237	1713	131	59	23	213	1462	1713	80	10	38	128	1585	7.77	4.67	14.34	41%	84%	6%	100%	94%	31/10/2020	
Total	22173	15911	3281	322	2893	6496	11975	15044	573	11	42	626	14418	9.62	0.93	2.42	80%	92%	76%	98%	70%		

*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 31/10/2020

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	570	568	407	0	0	0	0	0	407	0	3	410	88	92	39	40	27	28	49	16	5	26		
Bahrain	124	124	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Djibouti																								
Iran	2157	2100	100	0	1	1	96	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	
Iraq	466	413	312	0	0	0	0	0	312	0	0	312	85	138	78	5	3	2	0	0	1	0		
Jordan	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Egypt	1814	1764	27	1	2	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kuwait	3	3	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								
Libya	144	141	21	0	0	0	0	0	20	0	0	20	8	7	2	0	1	0	2	0	0	0		
Morocco	117	111	5	0	0	0	0	0	5	0	0	5	3	0	1	0	0	1	0	0	0			
Oman	403	394	28	2	5	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	6234	4821	1332	0	0	0	0	348	1317	82	878	2277	420	637	536	182	119	53	41	52	122	115		
Palestine	1295	1295	711	0	0	0	3	0	708	0	125	833	646	187	0	0	0	0	0	0	0	0		
Qatar	30	30	6	2	0	0	1	0	3	0	0	3	3	0	0	0	0	0	0	0	0	0		
Saudi Arabia	378	378	29	0	0	0	0	0	29	0	0	29	5	7	10	6	1	0	0	0	0	0		
Somalia	2010	177	131	0	0	0	0	0	131	0	1833	1964	294	189	208	132	119	170	287	230	179	156		
Sudan	1183	907	173	0	0	0	0	142	173	180	0	353	64	121	86	44	13	8	1	3	8	5		
Syria	548	548	13	0	0	0	2	0	11	0	0	11	0	2	2	1	1	0	2	2	0	1		
Tunisia	272	271	12	0	0	0	2	0	11	0	0	11	2	2	5	0	0	0	1	0	1	0		
UAE	151	131	24	0	0	0	1	0	23	1	15	39	16	8	5	2	1	2	1	1	1	2		
Yemen	4237	1713	134	0	0	0	0	2448	131	59	23	213	27	23	23	13	5	13	15	52	25	17		
Total	22173	15911	3467	5	8	1	114	2960	3281	322	2893	6496	1666	1421	996	426	290	277	399	356	343	322		

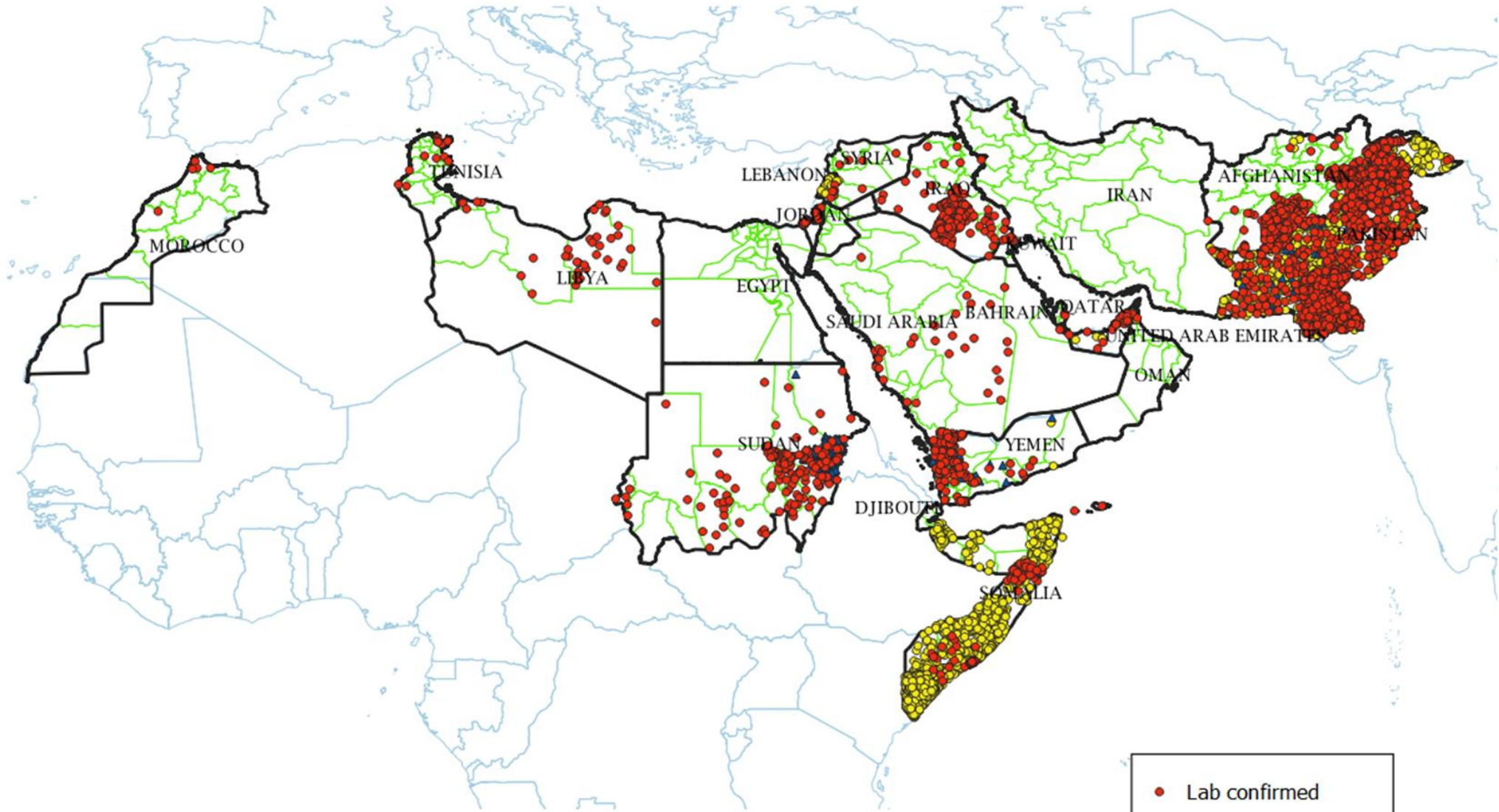
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 October 2020



- Lab confirmed
- ▲ Epi linked
- Clinically compatible

Rubella final classification and distribution by Month

Between 01/01/2020 and 31/10/2020

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	570	190	10	0	0	0	0	0	10	0	0	10	6	2	0	0	0	1	1	0	0	0		
Bahrain	124	124	2	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Djibouti																								
Iran	2157	2100	43	0	0	0	41	0	2	0	0	2	0	1	0	0	1	0	0	0	0	0		
Iraq	466	413	18	0	0	0	0	0	18	0	0	18	4	7	5	0	1	0	0	0	1	0		
Jordan	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Egypt	1814	1767	18	0	0	1	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Kuwait	3	3	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								
Libya	144	141	8	0	0	0	0	0	8	0	0	8	2	2	1	0	1	0	2	0	0	0		
Morocco	117	41	5	0	0	0	0	0	3	0	0	3	1	0	0	0	0	1	1	0	0			
Oman	403	394	20	1	0	0	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Pakistan	6234	4576	102	0	0	0	0	348	95	1	0	96	10	27	37	6	0	1	1	1	6	7		
Palestine	1295	1295	1	0	0	0	1	0	0	0	0	0	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	0	0	0	0	0		
Saudi Arabia	378	378	23	0	0	0	0	0	23	0	0	23	5	5	3	1	0	1	1	1	4	2		
Somalia	2010	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Sudan	1183	900	289	0	0	0	0	142	289	0	0	289	28	86	110	20	9	8	9	5	10	4		
Syria	548	545	15	0	0	0	14	0	5	0	0	5	0	0	0	0	1	2	1	0	1	0		
Tunisia	272	271	32	0	0	0	1	0	29	0	0	29	8	7	6	0	1	3	3	1	0	0		
UAE	151	117	11	0	0	0	0	0	11	0	4	15	3	7	2	1	1	0	1	0	0	0		
Yemen	4237	1713	80	0	0	0	0	2448	80	10	38	128	18	16	15	5	1	3	2	9	44	15		
Total	22173	15044	678	2	0	1	64	2960	573	11	42	626	85	160	179	33	16	20	22	17	66	28		

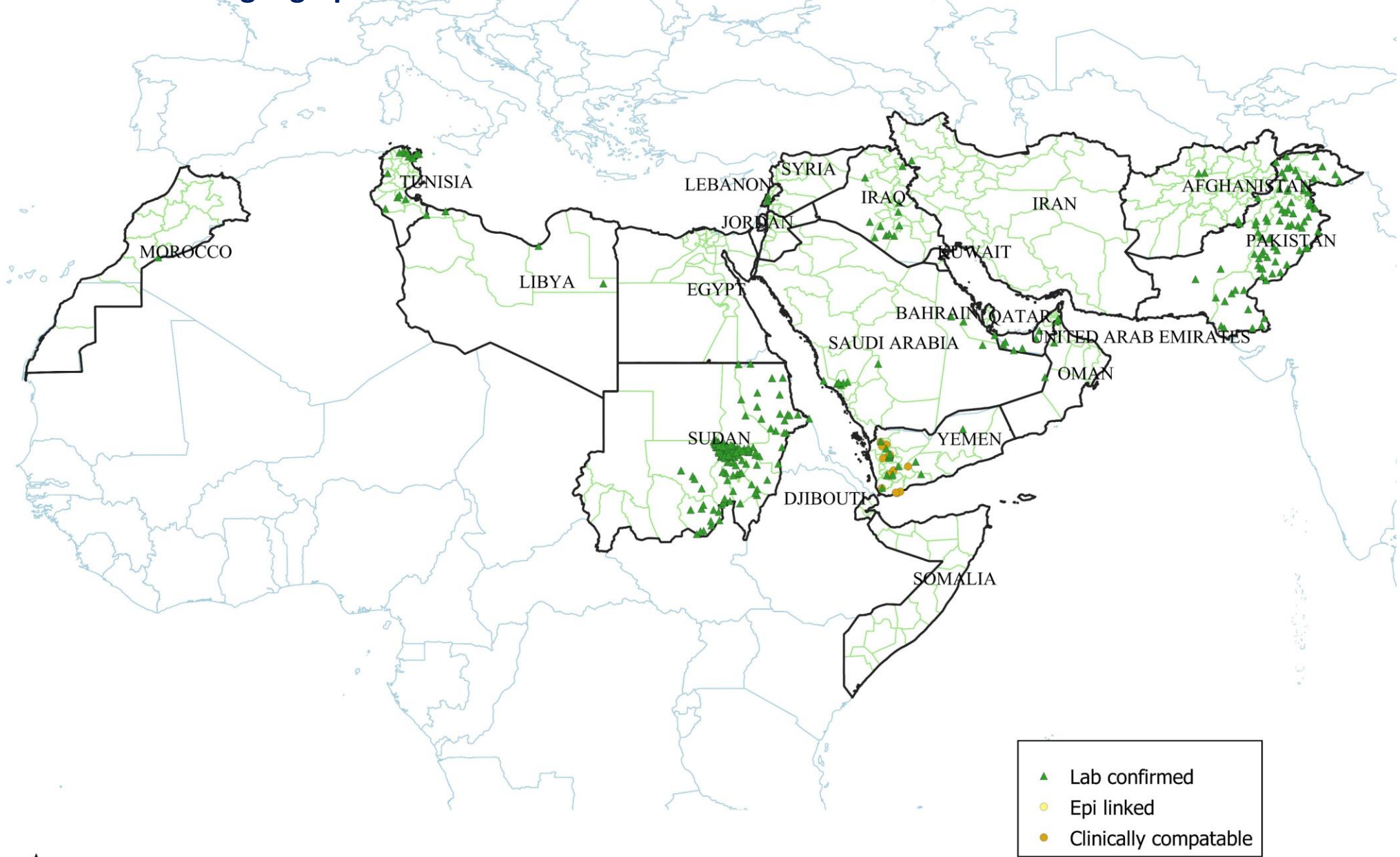
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***Vaccine related case – a suspect case that has a rash like illness without respiratory symptoms and the rash had onset 7-14 days following vaccination and the lab detected IgM in the blood specimen that was collected 8-56 days after vaccination 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 October 2020



Measles and Rubella laboratory summary report

Between 01/01/2020 and 31/10/2020

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	568	100%	407	72%	152	27%	9	2%	190	33%	10	5%	180	95%	0	0%	48%
Bahrain	124	100%	2	2%	122	98%	0	0%	124	100%	2	2%	122	98%	0	0%	99%
Iran	2100	97%	100	5%	2000	95%	0	0%	2100	97%	43	2%	2057	98%	0	0%	95%
Iraq	413	89%	312	76%	101	24%	0	0%	413	89%	18	4%	395	96%	0	0%	80%
Jordan	11	100%	0	0%	11	100%	0	0%	7	64%	0	0%	7	100%	0	0%	30%
Egypt	1764	97%	27	2%	1734	98%	3	0%	1767	97%	18	1%	1748	99%	1	0%	59%
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	141	98%	21	15%	117	83%	3	2%	141	98%	8	6%	122	87%	11	8%	86%
Morocco	111	95%	5	5%	106	95%	0	0%	41	35%	5	12%	35	85%	1	2%	81%
Oman	394	98%	28	7%	364	92%	2	1%	394	98%	20	5%	373	95%	1	0%	90%
Pakistan	4821	77%	1332	28%	3489	72%	0	0%	4576	73%	102	2%	4474	98%	0	0%	84%
Palestine	1295	100%	711	55%	459	35%	125	10%	1295	100%	1	0%	1294	100%	0	0%	94%
Qatar	30	100%	6	20%	24	80%	0	0%	21	70%	1	5%	20	95%	0	0%	64%
Saudi Arabia	378	100%	29	8%	349	92%	0	0%	378	100%	23	6%	355	94%	0	0%	100%
Somalia	177	100%	131	74%	45	25%	1	1%	37	21%	0	0%	37	100%	0	0%	23%
Sudan	907	77%	173	19%	711	78%	23	3%	900	76%	289	32%	560	62%	51	6%	79%
Syria	548	100%	13	2%	535	98%	0	0%	545	99%	15	3%	526	97%	4	1%	99%
Tunisia	271	100%	12	4%	253	93%	6	2%	271	100%	32	12%	228	84%	11	4%	88%
UAE	131	87%	24	18%	103	79%	4	3%	117	77%	11	9%	105	90%	1	1%	86%
Yemen	1713	40%	134	8%	1555	91%	24	1%	1713	40%	80	5%	1587	93%	46	3%	94%