

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2020 and 30/11/2020

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 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	622	619	449	0	3	452	158	241	10	0	0	10	231	14.00	0.31	0.50	100%	88%	87%	100%	47%	27-11-2020	
Bahrain	126	126	0	0	0	0	124	126	0	0	0	0	126	0.00	0.00	8.39	100%	100%	100%	100%	99%	15-11-2020	
Djibouti																							
Iran	2331	2256	0	0	1	1	2028	2267	2	0	0	2	2265	0.01	0.03	2.91	97%	99%	93%	100%	93%	30-11-2020	
Iraq	468	415	312	0	0	312	116	415	18	0	0	18	397	8.40	0.48	0.37	89%	73%	60%	100%	79%	02-11-2020	
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	2013	1953	0	0	0	0	1978	1961	0	0	0	0	1961	0.00	0.00	2.09	97%	99%	99%	100%	61%	30-11-2020	
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	414	405	0	0	0	0	398	405	0	0	0	0	405	0.00	0.00	9.08	98%	100%	90%	100%	90%	21-11-2020	B3 imp.
Pakistan	7030	5530	1414	82	951	2447	4141	5285	95	1	0	96	5189	11.45	0.44	2.10	80%	97%	86%	95%	82%	30-11-2020	
Palestine	1298	1298	708	0	125	833	462	1298	0	0	0	0	1298	177.01	0.00	9.88	100%	83%	99%	100%	94%	22-11-2020	
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	419	419	29	0	0	29	367	419	25	0	0	25	394	0.89	0.77	1.12	100%	99%	100%	100%	100%	30-11-2020	
Somalia ★	2309	213	157	0	2096	2253	56	47	0	0	0	0	47	161.99	0.00	0.40	9%	9%	97%	100%	23%	22-10-2020	
Sudan	1259	975	174	180	0	354	508	965	289	0	0	289	676	7.62	6.22	1.33	90%	99%	64%	97%	78%	29-11-2020	
Syria	586	586	11	0	0	11	551	583	5	0	0	5	578	0.45	0.20	2.33	100%	99%	56%	99%	99%	30-11-2020	
Tunisia	309	308	11	0	0	11	268	308	32	0	0	32	276	0.96	2.80	2.32	100%	80%	63%	100%	88%	27-11-2020	
UAE	165	144	28	2	17	47	102	125	11	0	4	15	110	5.15	1.21	1.17	88%	92%	85%	99%	85%	30-11-2020	
Yemen	4662	1790	138	61	23	222	1505	1790	97	10	53	160	1630	8.09	3.54	15.80	39%	84%	6%	100%	94%	30-11-2020	
Total	24342	17344	3459	325	3231	7015	13040	16459	595	11	57	663	15796	10.39	0.98	1.93	72%	91%	76%	100%	71%		

*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 30/11/2020

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	622	619	0	0	0	0	449	0	3	452	88	92	39	40	27	28	49	16	5	51	18	0
Bahrain	126	126	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Djibouti																						
Iran	2350	2271	0	1	96	1	0	0	1	1	0	0	0	0	0	0	0	0	1	0	0	0
Iraq	468	415	0	0	0	0	312	0	0	312	85	138	78	5	3	2	0	0	1	0	0	0
Jordan	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	2013	1953	1	2	0	0	0	0	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	0	0	0	0	0	0	0	0
Lebanon	26	11	0	0	0	0	0	0	15	15	5	8	1	1	0	0	0	0	0	0	0	0
Libya	144	141	0	0	0	0	20	0	0	20	8	7	2	0	1	0	2	0	0	0	0	0
Morocco	117	111	0	0	0	0	5	0	0	5	3	0	1	0	0	1	0	0	0	0	0	0
Oman	414	405	2	5	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	7030	5530	0	0	0	0	1414	82	951	2447	420	637	536	182	119	53	41	52	122	128	158	0
Palestine	1298	1298	0	0	3	0	708	0	125	833	646	187	0	0	0	0	0	0	0	0	0	0
Qatar	30	30	2	0	1	0	3	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	419	419	0	0	0	0	29	0	0	29	5	7	10	6	1	0	0	0	0	0	0	0
Somalia	2309	213	0	0	0	0	157	0	2096	2253	294	189	208	132	119	170	287	230	179	156	289	0
Sudan	1259	975	0	0	0	0	174	180	0	354	64	121	86	44	13	8	1	3	8	5	1	0
Syria	586	586	0	0	2	0	11	0	0	11	0	2	2	1	1	0	2	2	0	1	0	0
Tunisia	309	308	0	0	4	0	11	0	0	11	2	2	5	0	0	0	1	0	1	0	0	0
UAE	165	144	0	0	1	0	28	2	17	47	16	8	5	2	1	2	1	1	1	2	7	0
Yemen	4662	1790	0	0	0	0	138	61	23	222	27	23	23	13	5	13	15	52	25	17	9	0
Total	24361	17359	5	8	116	1	3459	325	3231	7015	1666	1421	996	426	290	277	399	356	343	360	482	0

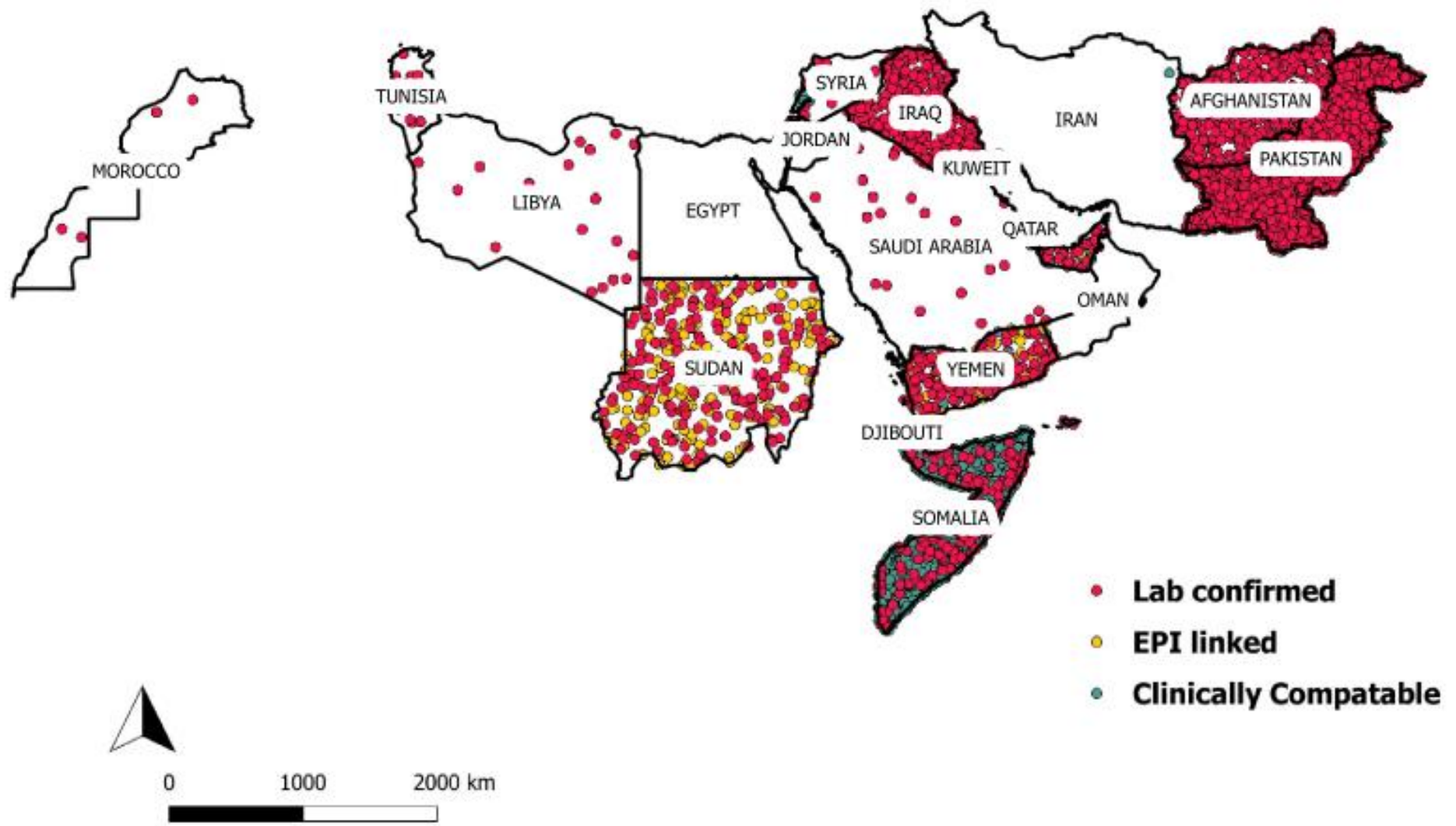
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 November 2020



Rubella final classification and distribution by Month

Between 01/01/2020 and 30/11/2020

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	622	241	0	0	0	0	10	0	0	10	6	2	0	0	0	1	1	0	0	0	1	0
Bahrain	126	126	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Djibouti																						
Iran	2350	2282	0	0	0	41	2	0	0	2	0	1	0	0	1	0	0	0	0	0	0	0
Iraq	468	415	0	0	0	0	18	0	0	18	4	7	5	0	1	0	0	0	1	0	0	0
Jordan	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	2013	1961	0	0	1	0	0	0	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	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	0	0	0	0	0
Libya	144	141	0	0	0	0	8	0	0	8	2	2	1	0	1	0	2	0	0	0	0	0
Morocco	117	41	0	0	0	0	3	0	0	3	1	0	0	0	0	1	1	0	0	0	0	0
Oman	414	405	1	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	7030	5285	0	0	0	0	95	1	0	96	10	27	37	6	0	1	1	1	6	7	1	0
Palestine	1298	1298	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Qatar	30	21	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	419	419	0	0	0	0	25	0	0	25	5	5	3	1	0	1	1	1	4	2	2	0
Somalia	2309	47	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1259	965	0	0	0	0	289	0	0	289	28	86	110	20	9	8	9	5	10	4	5	0
Syria	586	583	0	0	0	16	5	0	0	5	0	0	0	0	1	2	1	0	1	0	0	0
Tunisia	309	308	0	0	0	3	32	0	0	32	8	7	6	0	1	3	3	1	1	0	1	0
UAE	165	125	0	0	0	0	11	0	4	15	3	7	2	1	1	0	1	0	0	0	0	0
Yemen	4662	1790	0	0	0	0	97	10	53	160	18	16	15	5	1	3	2	9	44	15	32	0
Total	24361	16474	2	0	2	67	595	11	57	663	85	160	179	33	16	20	22	17	67	28	42	0

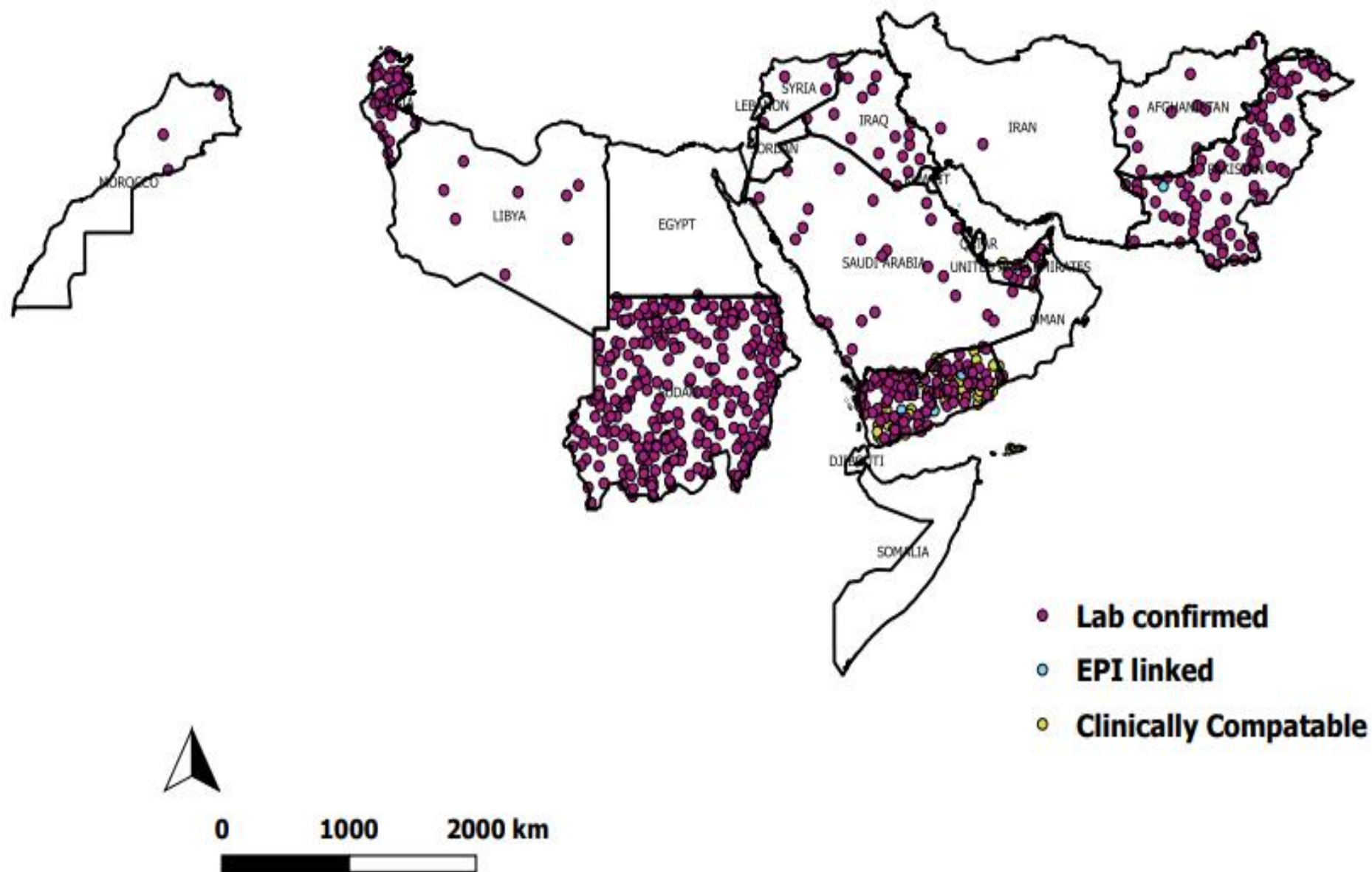
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***Vaccine related case – a suspect case that has a rash like illness without respiratory symptoms and the rash had onset 7-14 days following vaccination and the lab detected IgM in the blood specimen that was collected 8-56 days after vaccination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



Measles and Rubella laboratory summary report

Between 01-Jan-20 and 30-Nov-20

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	619	100%	457	74%	152	25%	10	2%	241	39%	12	5%	229	95%	0	0%	47%
Bahrain	126	100%	2	2%	124	98%	0	0%	126	100%	2	2%	124	98%	0	0%	99%
Iran	2271	97%	100	4%	2171	96%	0	0%	2282	97%	43	2%	2239	98%	0	0%	93%
Iraq	415	89%	312	75%	103	25%	0	0%	415	89%	18	4%	397	96%	0	0%	79%
Jordan	11	100%	0	0%	11	100%	0	0%	7	64%	0	0%	7	100%	0	0%	30%
Egypt	1953	97%	31	2%	1918	98%	4	0%	1961	97%	20	1%	1940	99%	1	0%	61%
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	405	98%	28	7%	375	93%	2	0%	405	98%	20	5%	384	95%	1	0%	90%
Pakistan	5530	79%	1429	26%	4101	74%	0	0%	5285	75%	102	2%	5183	98%	0	0%	82%
Palestine	1298	100%	711	55%	462	36%	125	10%	1298	100%	1	0%	1297	100%	0	0%	94%
Qatar	30	100%	6	20%	24	80%	0	0%	21	70%	1	5%	20	95%	0	0%	64%
Saudi Arabia	419	100%	29	7%	390	93%	0	0%	419	100%	25	6%	394	94%	0	0%	100%
Somalia	213	100%	157	74%	56	26%	1	0%	45	21%	0	0%	45	100%	0	0%	23%
Sudan	975	77%	174	18%	778	80%	23	2%	965	77%	289	30%	623	65%	53	5%	78%
Syria	586	100%	13	2%	572	98%	1	0%	583	99%	16	3%	562	96%	5	1%	99%
Tunisia	308	100%	14	5%	288	94%	6	2%	308	100%	38	12%	253	82%	17	6%	88%
UAE	144	87%	29	20%	111	77%	4	3%	125	76%	11	9%	113	90%	1	1%	85%
Yemen	1790	38%	141	8%	1624	91%	25	1%	1790	38%	97	5%	1630	91%	63	4%	94%