

# EMR cumulative indigenous measles/rubella case counts and surveillance indicators

Between 01/01/2017 and 31/05/2017

Country	Measles case finding report							Rubella case finding report						Measles incidence /1000,000*	Rubella incidence /1000,000**	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	Total Rubella	Rubella discarded cases				suspects tested for measles****	cases with complete investigation	specimens received at the lab within 5days	specimens with adequate condition	results reported back within 4days		
Afghanistan	1484	1484	961	0	0	961	523	518	39	0	0	39	479	29.77	1.21	1.50	100%		57%	98%	98%	30/05/2017	
Bahrain	262	262	0	0	0	0	262	262	0	0	0	0	262	0.00	0.00	21.21	100%	100%	100%	100%	99%	31/05/2017	
Iran	2752	2614	46	1	4	51	2701	2614	7	0	0	7	2607	0.65	0.09	3.42	95%	100%	90%	100%	94%	31/05/2017	B3
Iraq	211	74	4	0	0	4	207	205	2	0	0	2	203	0.12	0.06	0.62	35%	73%	60%	100%	100%	30/05/2017	
Jordan	31	31	0	0	0	0	31	31	0	0	0	0	31	0.00	0.00	0.51	100%	68%	97%	100%	16%	21/05/2017	
Egypt	1710	1700	17	0	9	26	1684	1697	31	0	0	31	1666	0.29	0.35	1.85	99%	98%	99%	100%	87%	31/05/2017	
Kuwait	77	70	11	2	0	13	64	70	1	0	0	1	69	3.58	0.28	1.73	93%	96%	100%	100%	9%	29/05/2017	
Lebanon	98	52	22	12	35	69	29	28	0	0	1	1	27	12.02	0.00	0.50	60%	98%	64%	100%	78%	31/05/2017	D8
Libya	26	24	1	0	0	1	25	24	1	0	0	1	23	0.17	0.17	0.41	92%	77%	42%	100%	79%	28/05/2017	
Morocco	97	94	2	0	0	2	95	90	2	0	0	2	88	0.06	0.06	0.29	97%	96%	90%	100%	79%	31/05/2017	
Oman	1314	1294	81	0	1	82	1232	1293	0	0	0	0	1293	18.58	0.00	27.91	98%	76%	81%	100%	99%	27/05/2017	D8 ,D4 ,B3
Pakistan	3533	3533	2192	0	0	2192	1341	3533	58	0	0	58	3475	12.38	0.33	0.72	100%		71%	100%	45%	04/05/2017	
Palestine	288	288	52	0	0	52	236	288	0	0	0	0	288	12.47	0.00	5.66	100%	99%	89%	100%	98%	31/05/2017	B3
Qatar	56	56	4	0	0	4	52	36	0	0	0	0	36	2.31	0.00	3.00	100%	100%	98%	100%	61%	27/04/2017	
Saudi Arabia	560	560	175	0	0	175	385	383	6	0	0	6	377	6.17	0.21	1.34	100%	84%	100%	100%	96%	30/05/2017	
Somalia	24	24	21	0	0	21	3	18	0	0	0	0	18	2.41	0.00	0.03	100%		21%	100%	100%	28/02/2017	
Sudan	1372	1086	222	239	0	461	911	771	183	0	0	183	588	11.20	4.45	1.77	96%	100%	84%	97%	96%	31/05/2017	
Syria	851	646	325	205	0	530	321	360	0	0	0	0	360	23.66	0.00	1.43	100%	93%	62%	97%	95%	31/05/2017	
Tunisia	71	66	1	0	0	1	70	69	3	0	0	3	66	0.09	0.28	0.64	93%	83%	51%	100%	87%	04/05/2017	
UAE	167	156	28	0	13	41	126	143	5	0	1	6	137	4.48	0.55	1.32	93%	89%	94%	100%	85%	29/04/2017	
Yemen	1679	1415	131	141	62	334	1345	1415	15	0	23	38	1377	12.00	0.54	4.78	92%	88%	69%	98%	13%	03/05/2017	
<b>Total EMR</b>	<b>16663</b>	<b>15529</b>	<b>4296</b>	<b>600</b>	<b>124</b>	<b>5020</b>	<b>11643</b>	<b>13848</b>	<b>353</b>	<b>0</b>	<b>25</b>	<b>378</b>	<b>13470</b>	<b>8.08</b>	<b>0.61</b>	<b>1.81</b>	<b>97%</b>	<b>77%</b>	<b>77%</b>	<b>100%</b>	<b>77%</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

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 measles containing vaccine  
 -Date specimen collected.  
 -Travel history

## Countries that did not report

Djibouti

## Measles final classification and distribution by Month

Between 01/01/2017 and 31/05/2017

Country	Total Suspected cases for measles	Total specimens tested	Measles imported cases *	Measles imported related* *	Vaccine related ***	Measles lab confirmed	Measles Epi-Linked	Measles clinically comp.	Total confirmed cases #	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Afghanistan	1484	1484	0	0	0	961	0	0	961	226	213	200	179	143	0	0	0	0	0	0	0
Bahrain	262	262	3	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	2752	2614	0	0	67	46	1	4	51	19	14	9	5	4	0	0	0	0	0	0	0
Iraq	211	74	0	0	0	4	0	0	4	0	0	0	1	3	0	0	0	0	0	0	0
Jordan	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1710	1700	0	0	1	17	0	9	26	4	6	11	4	1	0	0	0	0	0	0	0
Kuwait	77	70	0	0	3	11	2	0	13	0	3	4	6	0	0	0	0	0	0	0	0
Lebanon	98	52	0	0	0	22	12	35	69	6	8	29	9	17	0	0	0	0	0	0	0
Libya	26	24	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Morocco	97	94	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0
Oman	1314	1294	0	0	12	81	0	1	82	33	5	19	18	7	0	0	0	0	0	0	0
Pakistan	3533	3533	0	0	0	2192	0	0	2192	553	300	382	922	35	0	0	0	0	0	0	0
Palestine	288	288	0	0	5	52	0	0	52	0	0	7	27	18	0	0	0	0	0	0	0
Qatar	56	56	6	0	0	4	0	0	4	2	0	1	1	0	0	0	0	0	0	0	0
Saudi Arabia	560	560	0	0	4	175	0	0	175	76	55	33	2	9	0	0	0	0	0	0	0
Somalia	24	24	0	0	0	21	0	0	21	4	17	0	0	0	0	0	0	0	0	0	0
Sudan	1372	1086	0	0	0	222	239	0	461	74	92	116	105	74	0	0	0	0	0	0	0
Syria	851	646	0	0	18	325	205	0	530	25	77	135	168	125	0	0	0	0	0	0	0
Tunisia	71	66	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
UAE	167	156	0	0	0	28	0	13	41	16	12	1	12	0	0	0	0	0	0	0	0
Yemen	1679	1415	0	0	0	131	141	62	334	81	120	97	36	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16663</b>	<b>15529</b>	<b>9</b>	<b>0</b>	<b>113</b>	<b>4296</b>	<b>600</b>	<b>124</b>	<b>5020</b>	<b>1119</b>	<b>922</b>	<b>1047</b>	<b>1495</b>	<b>437</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

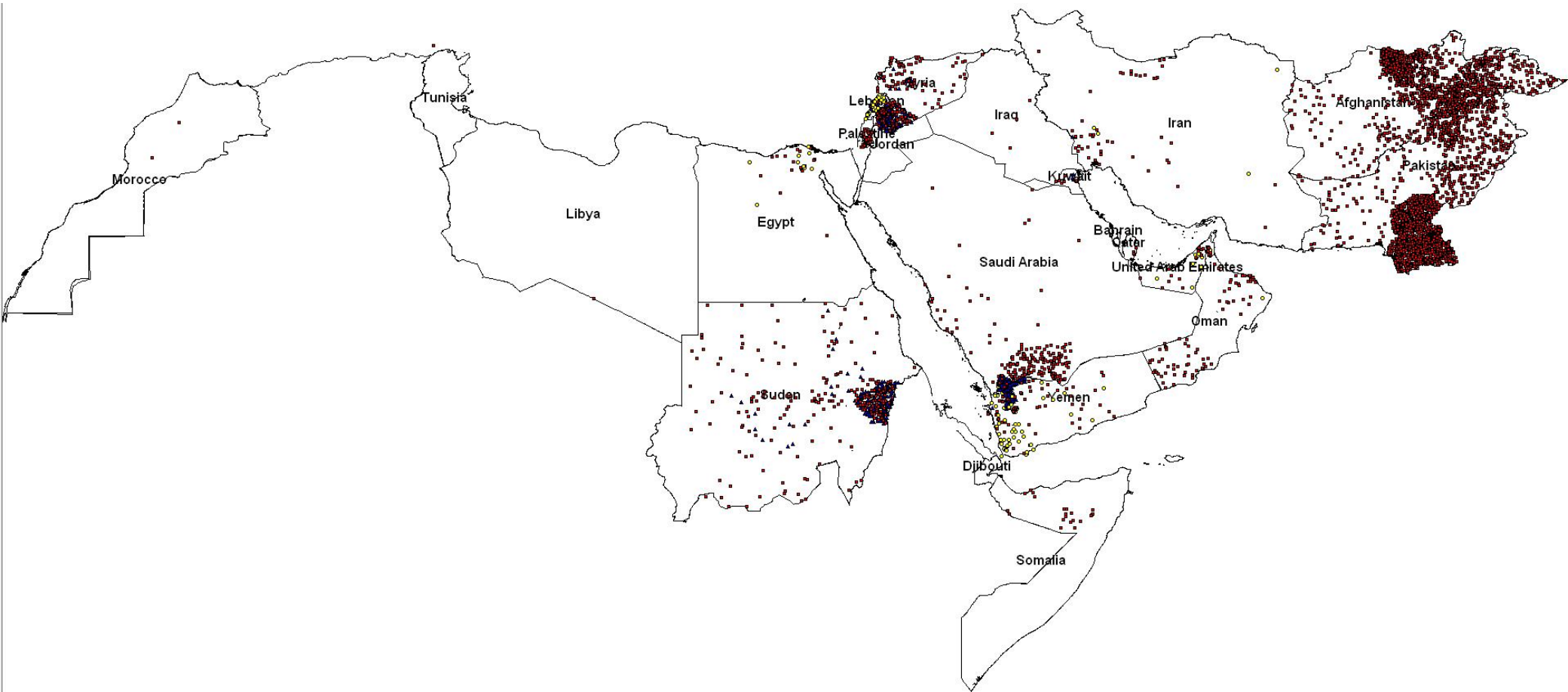
\* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

\*\* 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

# Cumulative geographic distribution of Measles cases in the EMR countries May 2017



■ Measles Lab confirmed	N=4296
▲ Measles Epi Linked	N=600
● Measles Clinically compatible	N=124

## Rubella final classification and distribution by Month

Between 01/01/2017 and 31/05/2017

Country	Total Suspected cases for rubella	Total specimens tested	Rubella imported*	Rubella import related**	Rubella vaccine related**	Rubella lab confirmed	Rubella Epi-Linked	Rubella clinically comp.	Total confirmed cases #	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Afghanistan	1484	518	0	0	0	39	0	0	39	8	7	13	8	3	0	0	0	0	0	0	0
Bahrain	262	262	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	2752	2614	0	0	67	7	0	0	7	0	1	1	2	3	0	0	0	0	0	0	0
Iraq	211	205	0	0	0	2	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0
Jordan	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1710	1697	0	0	1	31	0	0	31	4	8	10	8	1	0	0	0	0	0	0	0
Kuwait	77	70	0	0	3	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Lebanon	98	28	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Libya	26	24	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
Morocco	97	90	0	0	0	2	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0
Oman	1314	1293	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	3533	3533	0	0	0	58	0	0	58	1	10	10	36	1	0	0	0	0	0	0	0
Palestine	288	288	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Qatar	56	36	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	560	383	0	0	4	6	0	0	6	3	2	1	0	0	0	0	0	0	0	0	0
Somalia	24	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	1372	771	0	0	0	183	0	0	183	43	71	58	11	0	0	0	0	0	0	0	0
Syria	851	360	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	71	69	0	0	0	3	0	0	3	1	0	1	1	0	0	0	0	0	0	0	0
UAE	167	143	0	0	0	5	0	1	6	2	2	0	2	0	0	0	0	0	0	0	0
Yemen	1679	1415	0	0	0	15	0	23	38	12	11	7	8	0	0	0	0	0	0	0	0
<b>Total</b>	<b>16663</b>	<b>13848</b>	<b>2</b>	<b>0</b>	<b>113</b>	<b>353</b>	<b>0</b>	<b>25</b>	<b>378</b>	<b>75</b>	<b>113</b>	<b>101</b>	<b>79</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

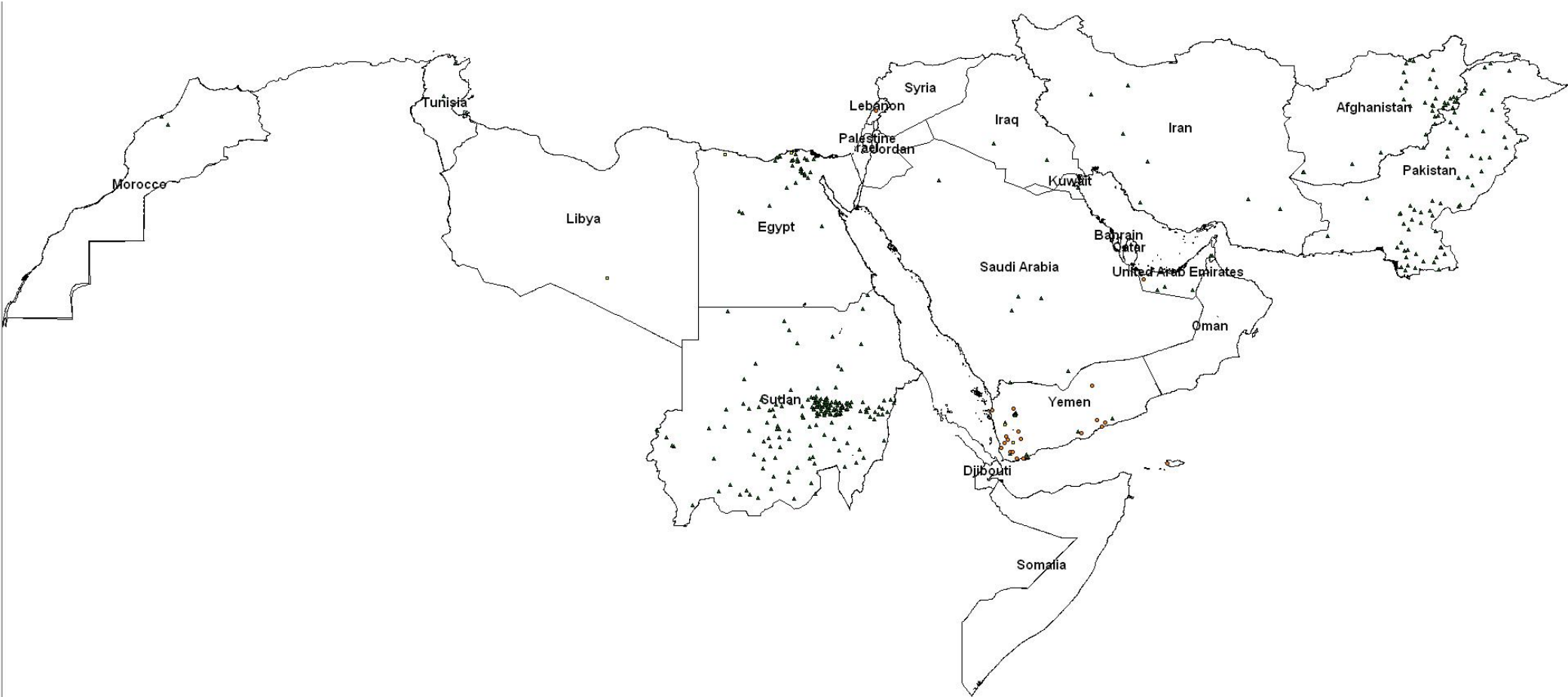
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\*\* Importation related measles/rubella case – a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence

\*\*\*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 2017



▲ Rubella Lab confirmed	N=353
● Rubella Epi Linked	N=0
■ Rubella clinically compatible	N=25

# Measles and Rubella laboratory summary report

Between 01/01/2017 and 31/05/2017

Country	Total Suspected cases M/R	Measles								Rubella								Reported to EPI within 4days
		specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	1484	1484	100%	965	65%	519	35%	0	0%	518	35%	40	8%	478	92%	0	0%	98%
Bahrain	262	262	100%	7	3%	253	97%	2	1%	262	100%	4	2%	254	97%	4	2%	99%
Iran	2752	2614	95%	97	4%	2516	96%	1	0%	2614	95%	32	1%	2582	99%	0	0%	94%
Iraq	211	74	35%	4	5%	70	95%	0	0%	205	97%	2	1%	203	99%	0	0%	100%
Jordan	31	31	100%	0	0%	30	97%	1	3%	31	100%	0	0%	31	100%	0	0%	16%
Egypt	1710	1700	99%	18	1%	1682	99%	0	0%	1697	99%	32	2%	1665	98%	0	0%	87%
Kuwait	77	70	91%	14	20%	56	80%	0	0%	70	91%	4	6%	66	94%	0	0%	9%
Lebanon	98	52	53%	22	42%	28	54%	2	4%	28	29%	0	0%	28	100%	0	0%	78%
Libya	26	24	92%	1	4%	22	92%	1	4%	24	92%	1	4%	21	88%	2	8%	79%
Morocco	97	94	97%	2	2%	91	97%	1	1%	90	93%	2	2%	87	97%	1	1%	79%
Oman	1314	1294	98%	75	6%	1195	92%	24	2%	1293	98%	13	1%	1272	98%	8	1%	99%
Pakistan	3533	3533	100%	2192	62%	1341	38%	0	0%	3533	100%	58	2%	3475	98%	0	0%	45%
Palestine	288	288	100%	57	20%	222	77%	9	3%	288	100%	2	1%	279	97%	7	2%	98%
Qatar	56	56	100%	9	16%	47	84%	0	0%	36	64%	1	3%	35	97%	0	0%	61%
Saudi Arabia	560	560	100%	208	37%	352	63%	0	0%	383	68%	10	3%	373	97%	0	0%	96%
Somalia	24	24	100%	21	88%	3	13%	0	0%	18	75%	0	0%	18	100%	0	0%	100%
Sudan	1372	1086	79%	223	21%	856	79%	7	1%	771	56%	198	26%	570	74%	3	0%	96%
Syria	851	646	76%	334	52%	307	48%	5	1%	360	42%	4	1%	350	97%	6	2%	95%
Tunisia	71	66	93%	4	6%	62	94%	0	0%	69	97%	5	7%	64	93%	0	0%	87%
UAE	167	156	93%	28	18%	125	80%	3	2%	143	86%	5	3%	138	97%	0	0%	85%
Yemen	1679	1415	84%	131	9%	1236	87%	48	3%	1415	84%	15	1%	1373	97%	27	2%	13%
<b>Total</b>	<b>16663</b>	<b>15529</b>	<b>93%</b>	<b>4412</b>	<b>28%</b>	<b>11013</b>	<b>71%</b>	<b>104</b>	<b>1%</b>	<b>13848</b>	<b>83%</b>	<b>428</b>	<b>3%</b>	<b>13362</b>	<b>96%</b>	<b>58</b>	<b>0%</b>	<b>77%</b>