

## EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2019 and 31/01/2019

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	46	46	14	0	0	14	32	32	7	0	0	7	25	0.43	0.22	0.08	100%	0%	39%	100%	100%	30/01/2019	
Bahrain	34	34	0	0	0	0	34	34	0	0	0	0	34	0.00	0.00	2.27	100%	100%	100%	100%	100%	29/01/2019	
<b>Djibouti</b>																							
Iran	395	380	0	0	0	0	395	380	0	0	0	0	380	0.00	0.00	0.49	96%	99%	95%	100%	97%	31/01/2019	
Iraq	102	96	58	0	0	58	44	99	0	0	0	0	99	1.56	0.00	0.12	94%	67%	56%	100%	70%	31/01/2019	
Jordan	3	3	0	0	0	0	3	3	0	0	0	0	3	0.00	0.00	0.03	100%	100%	33%	100%	100%	25/01/2019	
Egypt	206	202	0	4	0	4	202	202	0	0	0	0	202	0.04	0.00	0.21	100%	92%	100%	100%	78%	31/01/2019	
<b>Kuwait</b>																							
Lebanon	133	92	84	0	40	124	9	97	0	0	0	0	97	21.60	0.00	0.16	69%	96%	5%	100%	63%	31/01/2019	
Libya	27	26	14	0	0	14	13	26	4	0	0	4	22	2.01	0.57	0.13	96%	96%	27%	100%	85%	26/01/2019	
Morocco	23	23	0	0	0	0	23	22	0	0	0	0	22	0.00	0.00	0.07	100%	96%	76%	100%	82%	31/01/2019	
Oman	110	108	0	0	0	0	110	108	0	0	0	0	108	0.00	0.00	2.41	98%	99%	91%	100%	82%	31/01/2019	
Pakistan	433	252	102	33	123	258	175	144	25	0	0	25	119	1.21	0.12	0.07	63%	60%	14%	100%	62%	31/01/2019	
Palestine	8	8	0	0	0	0	8	8	0	0	0	0	8	0.00	0.00	0.17	100%	88%	100%	100%	100%	28/01/2019	
<b>Qatar</b>																							
Saudi Arabia	407	407	257	0	0	257	150	406	3	0	0	3	403	7.90	0.09	0.45	100%	99%	100%	100%	100%	31/01/2019	
<b>Somalia ★</b>	428	6	6	0	422	428	0	0	0	0	0	0	0	30.77	0.00	0.00	1%	1%	100%	100%	100%	31/01/2019	
Sudan	603	218	218	190	0	408	195	23	5	0	0	5	18	8.79	0.11	0.41	53%	97%	78%	98%	93%	31/01/2019	
Syria	50	50	2	0	0	2	48	49	0	0	0	0	49	0.08	0.00	0.20	100%	100%	70%	100%	94%	31/01/2019	
Tunisia	142	142	81	0	0	81	61	142	4	0	0	4	138	7.08	0.35	0.50	100%	94%	89%	100%	96%	31/01/2019	
UAE	28	27	8	0	1	9	19	26	5	0	0	5	21	0.99	0.55	0.15	96%	100%	100%	96%	79%	29/01/2019	
<b>Yemen</b>																							
<b>Total</b>	<b>3178</b>	<b>2120</b>	<b>844</b>	<b>227</b>	<b>586</b>	<b>1657</b>	<b>1521</b>	<b>1801</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>1748</b>	<b>2.45</b>	<b>0.08</b>	<b>0.23</b>	<b>89%</b>	<b>85%</b>	<b>74%</b>	<b>98%</b>	<b>90%</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 MCV  
 -Date specimen collected.  
 -Travel history

Countries that did not report

★ Somalia reported aggregate data

## Measles final classification and distribution by Month

Between 01/01/2019 and 31/01/2019

Country	Total Suspected cases for measles	Total specimens tested	Imported Measles cases	Measles import related	Unknown source	Vaccine related	Measles Lab confirmed	Measles Epi-Linked	Measles clinically compatible	Total Measles	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	46	46	0	0	0	0	14	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0
Bahrain	34	34	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Djibouti</b>																						
Iran	395	380	1	1	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	102	96	0	0	0	0	58	0	0	58	58	0	0	0	0	0	0	0	0	0	0	0
Jordan	3	3	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	206	202	0	8	0	0	0	4	0	4	4	0	0	0	0	0	0	0	0	0	0	0
<b>Kuwait</b>																						
Lebanon	133	92	0	0	0	0	84	0	40	124	125	0	0	0	0	0	0	0	0	0	0	0
Libya	27	26	0	0	0	0	14	0	0	14	14	0	0	0	0	0	0	0	0	0	0	0
Morocco	23	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	110	108	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	433	252	0	0	0	0	102	33	123	258	258	0	0	0	0	0	0	0	0	0	0	0
Palestine	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Qatar</b>																						
Saudi Arabia	407	407	0	0	0	0	257	0	0	257	257	0	0	0	0	0	0	0	0	0	0	0
Somalia	428	6	0	0	0	0	6	0	422	428	428	0	0	0	0	0	0	0	0	0	0	0
Sudan	603	218	0	0	0	0	218	190	0	408	424	0	0	0	0	0	0	0	0	0	0	0
Syria	50	50	0	0	0	0	2	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0
Tunisia	142	142	3	0	0	0	81	0	0	81	81	0	0	0	0	0	0	0	0	0	0	0
UAE	28	27	0	0	0	0	8	0	1	9	9	0	0	0	0	0	0	0	0	0	0	0
<b>Yemen</b>																						
<b>Total</b>	<b>3178</b>	<b>2120</b>	<b>5</b>	<b>9</b>	<b>0</b>	<b>15</b>	<b>844</b>	<b>227</b>	<b>586</b>	<b>1657</b>	<b>1674</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

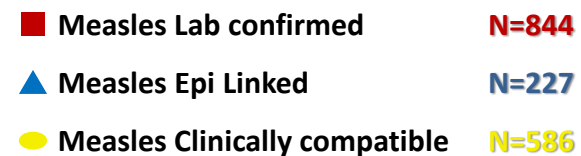
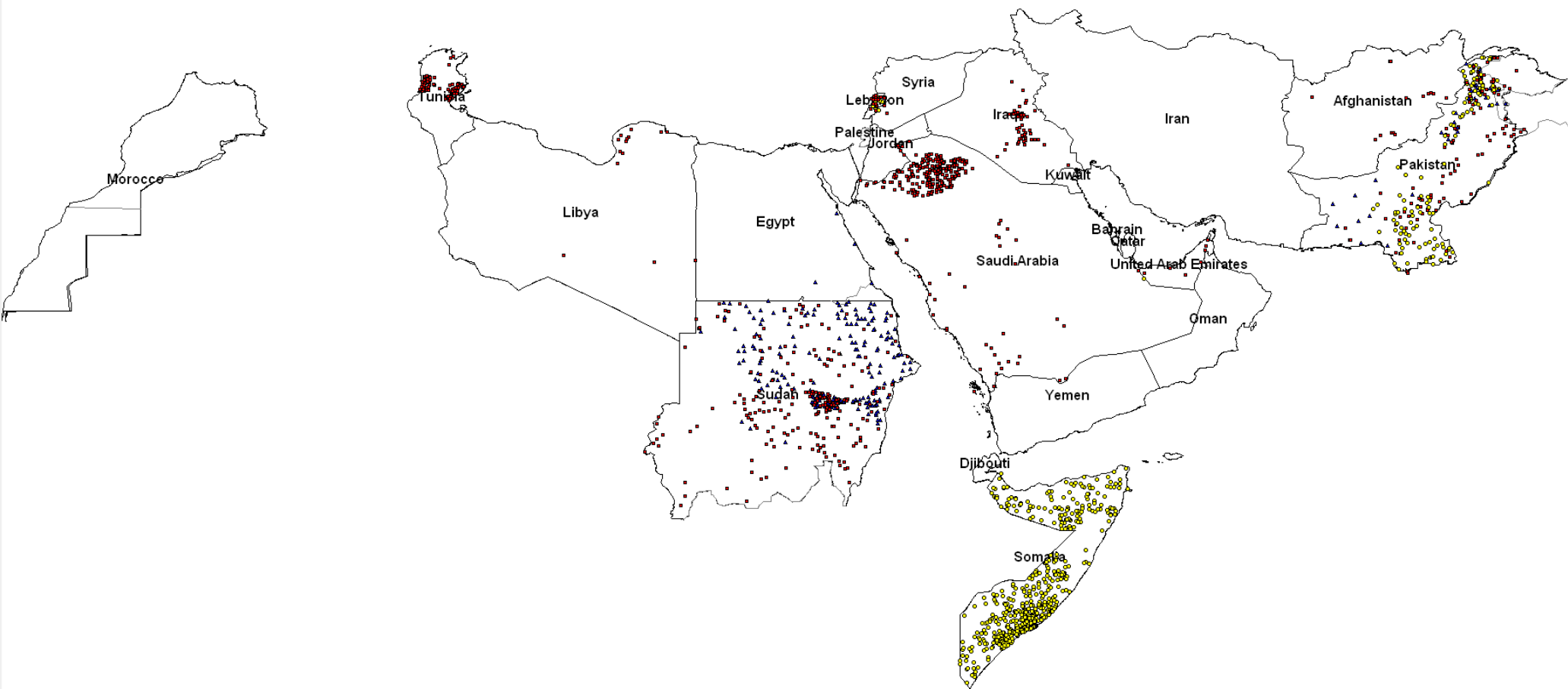
\* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

\*\* 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 January 2019



## Rubella final classification and distribution by Month

Between 01/01/2019 and 31/01/2019

Country	Total Suspected cases for Rubella	Total specimens tested	Imported Rubella cases	Rubella import related	Unknown source	Vaccine related	Rubella Lab confirmed	Rubella Epi-Linked	Rubella clinically compatible	Total Rubella	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Afghanistan	46	32	0	0	0	0	7	0	0	7	7	0	0	0	0	0	0	0	0	0	0	0
Bahrain	34	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Djibouti</b>																						
Iran	395	380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iraq	102	99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jordan	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	206	202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Kuwait</b>																						
Lebanon	133	97	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Libya	27	26	0	0	0	0	4	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0
Morocco	23	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	110	108	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	433	144	0	0	0	0	25	0	0	25	25	0	0	0	0	0	0	0	0	0	0	0
Palestine	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Qatar</b>																						
Saudi Arabia	407	406	0	0	0	0	3	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
Somalia	428	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sudan	603	23	0	0	0	0	5	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0
Syria	50	49	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	142	142	0	0	0	0	4	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0
UAE	28	26	0	0	0	0	5	0	0	5	5	0	0	0	0	0	0	0	0	0	0	0
<b>Yemen</b>																						
<b>Total</b>	<b>3178</b>	<b>1801</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

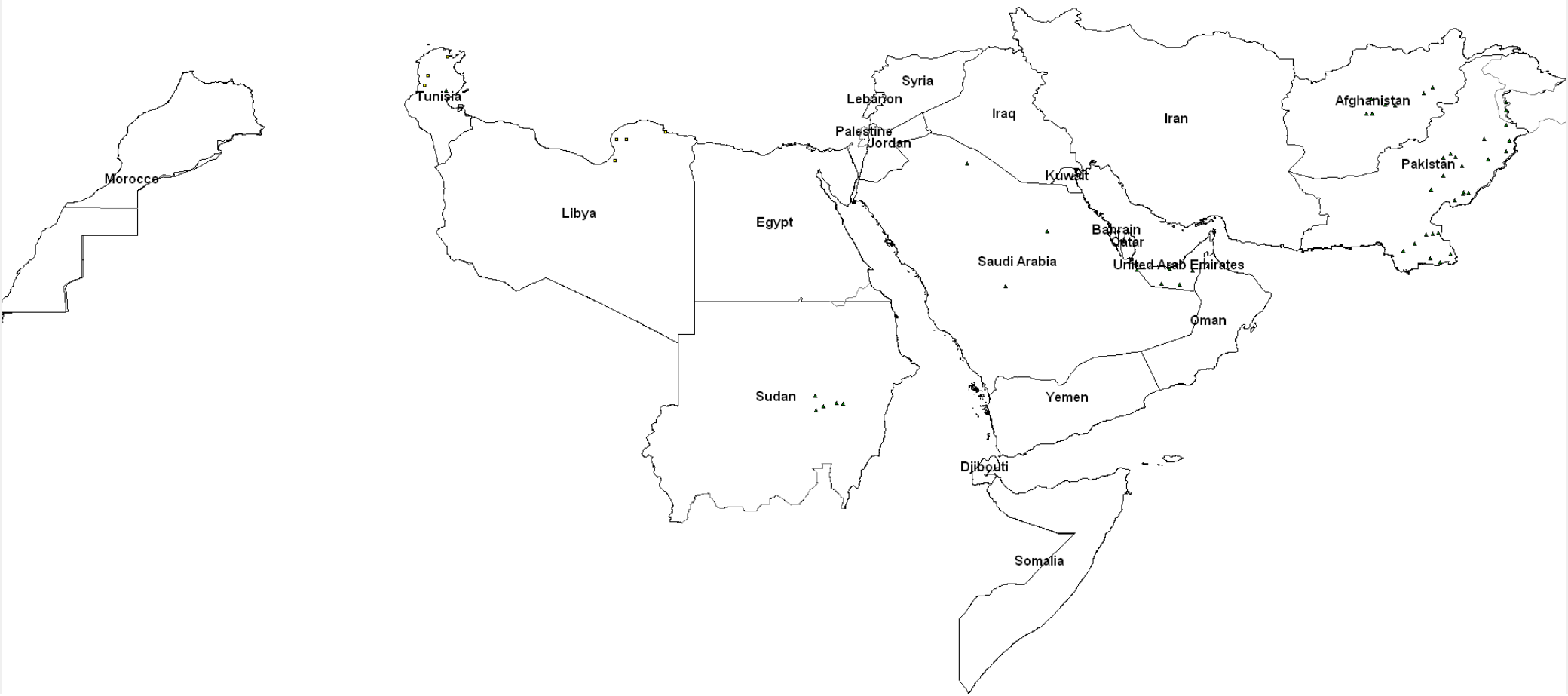
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\*\*\*Vaccine related case – a suspect case that has a rash like illness without respiratory symptoms and the rash had onset 7-14 days following vaccination and the lab detected IgM in the blood specimen that was collected 8-56 days after vaccination 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 January 2019



- ▲ Rubella Lab confirmed N=53
- Rubella Epi Linked N=0
- Rubella clinically compatible N=0

# Measles and Rubella laboratory summary report

Between 01/01/2019 and 31/01/2019

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	46	100%	14	30%	32	70%	0	0%	32	70%	7	22%	25	78%	0	0%	100%
Bahrain	34	100%	1	3%	33	97%	0	0%	34	100%	0	0%	34	100%	0	0%	100%
Iran	380	96%	11	3%	369	97%	0	0%	380	96%	0	0%	380	100%	0	0%	97%
Iraq	96	94%	58	60%	38	40%	0	0%	99	97%	0	0%	99	100%	0	0%	70%
Jordan	3	100%	1	33%	2	67%	0	0%	3	100%	0	0%	3	100%	0	0%	100%
Egypt	202	98%	8	4%	193	96%	1	0%	202	98%	1	0%	199	99%	2	1%	78%
Lebanon	92	69%	84	91%	8	9%	0	0%	97	73%	0	0%	97	100%	0	0%	63%
Libya	26	96%	14	54%	11	42%	1	4%	26	96%	4	15%	19	73%	3	12%	85%
Morocco	23	100%	0	0%	23	100%	0	0%	22	96%	0	0%	21	95%	1	5%	82%
Oman	108	98%	5	5%	102	94%	1	1%	108	98%	4	4%	104	96%	0	0%	82%
Pakistan	252	58%	102	40%	150	60%	0	0%	144	33%	27	19%	117	81%	0	0%	62%
Palestine	8	100%	0	0%	8	100%	0	0%	8	100%	0	0%	8	100%	0	0%	100%
Saudi Arabia	407	100%	257	63%	150	37%	0	0%	406	100%	5	1%	401	99%	0	0%	100%
Somalia	6	100%	6	100%	0	0%	0	0%	0	0%	0	#Num!	0	#Num!	0	#Num!	100%
Sudan	218	36%	218	100%	0	0%	0	0%	23	4%	7	30%	0	0%	16	70%	93%
Syria	50	100%	2	4%	48	96%	0	0%	49	98%	1	2%	47	96%	1	2%	94%
Tunisia	142	100%	84	59%	58	41%	0	0%	142	100%	4	3%	138	97%	0	0%	96%
UAE	27	96%	8	30%	18	67%	1	4%	26	93%	5	19%	21	81%	0	0%	79%