

EMR cumulative indigenous measles/rubella case counts and surveillance indicators

Between 01/01/2017 and 31/03/2017

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	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	789	789	548	0	0	548	241	239	20	0	0	20	219	16.98	0.62	0.68	100%		52%	98%	99%	21/03/2017	
Bahrain	123	123	0	0	0	0	123	123	0	0	0	0	123	0.00	0.00	9.96	100%	100%	99%	100%	98%	31/03/2017	
Iran	1556	1493	37	1	3	41	1515	1493	2	0	0	2	1491	0.52	0.03	1.92	96%	100%	91%	100%	95%	31/03/2017	
Iraq	75	73	0	0	0	0	75	70	1	0	0	1	69	0.00	0.03	0.22	97%	83%	66%	100%	100%	28/03/2017	
Jordan	11	11	0	0	0	0	11	11	0	0	0	0	11	0.00	0.00	0.18	100%	73%	100%	100%	18%	27/03/2017	
Egypt	763	733	15	0	0	15	748	733	14	0	0	14	719	0.17	0.16	0.82	96%	27%	97%	100%	93%	19/03/2017	
Kuwait	23	23	3	0	0	3	20	23	0	0	0	0	23	0.83	0.00	0.55	100%	70%	100%	100%		23/02/2017	
Lebanon	60	30	15	12	17	44	16	2	0	0	1	1	1	7.66	0.00	0.28	63%	97%	69%	100%	100%	31/03/2017	
Libya	10	10	0	0	0	0	10	10	0	0	0	0	10	0.00	0.00	0.17	100%	50%	70%	100%	70%	29/03/2017	
Morocco	39	39	2	0	0	2	37	36	0	0	0	0	36	0.06	0.00	0.11	100%	90%	85%	100%	82%	28/03/2017	
Oman	631	622	47	0	8	55	576	623	0	0	0	0	623	17.33	0.00	18.15	99%	100%	78%	100%	99%	31/03/2017	D8 ,B3
Pakistan	1649	1649	1037	0	0	1037	612	1649	11	0	0	11	1638	5.86	0.06	0.34	100%		77%	100%	42%	31/03/2017	
Palestine	24	24	7	0	0	7	17	24	0	0	0	0	24	1.68	0.00	0.41	100%	83%	63%	100%	88%	31/03/2017	
Saudi Arabia	474	474	152	0	0	152	322	399	6	0	0	6	393	5.36	0.21	1.11	100%	83%	100%	100%	99%	29/03/2017	
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	836	684	125	124	0	249	587	680	169	0	0	169	511	6.05	4.11	1.02	96%	100%	87%	98%	92%	31/03/2017	
Syria	375	316	174	59	0	233	142	180	0	0	0	0	180	10.40	0.00	0.63	100%	95%	68%	100%	95%	31/03/2017	
Tunisia	44	40	1	0	0	1	43	41	2	0	0	2	39	0.09	0.19	0.39	91%	50%	52%	100%	86%	27/03/2017	
UAE	185	176	30	1	9	40	145	162	7	0	1	8	154	4.37	0.76	1.51	96%	89%	97%	100%	92%	29/03/2017	
Yemen	1309	1059	109	141	48	298	1011	1059	14	0	16	30	1029	10.71	0.50	3.58	91%	89%	66%	98%	1%	31/03/2017	
Total EMR	9000	8392	2323	338	85	2746	6254	7575	246	0	18	264	7311	4.42	0.43	0.96	97%	69%	77%	100%	78%		

*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 and Qatar

Measles final classification and distribution by Month

Between 01/01/2017 and 31/03/2017

Country	Total Suspected cases for measles	Total specimens tested	Measles imported cases *	Measles import 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	789	789	0	0	0	548	0	0	548	225	211	112	0	0	0	0	0	0	0	0	0	0
Bahrain	123	123	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	1556	1493	0	0	37	37	1	3	41	17	14	10	0	0	0	0	0	0	0	0	0	0
Iraq	75	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	763	733	0	0	1	15	0	0	15	4	5	6	0	0	0	0	0	0	0	0	0	0
Kuwait	23	23	0	0	1	3	0	0	3	0	3	0	0	0	0	0	0	0	0	0	0	0
Lebanon	60	30	0	0	0	15	12	17	44	6	9	29	0	0	0	0	0	0	0	0	0	0
Libya	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	39	39	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0
Oman	631	622	0	0	7	47	0	8	55	34	7	14	0	0	0	0	0	0	0	0	0	0
Pakistan	1649	1649	0	0	0	1037	0	0	1037	553	300	184	0	0	0	0	0	0	0	0	0	0
Palestine	24	24	0	0	0	7	0	0	7	0	0	7	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	474	474	0	0	4	152	0	0	152	76	55	21	0	0	0	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	0
Sudan	836	684	0	0	0	125	124	0	249	77	88	84	0	0	0	0	0	0	0	0	0	0
Syria	375	316	0	0	12	174	59	0	233	25	77	131	0	0	0	0	0	0	0	0	0	0
Tunisia	44	40	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
UAE	185	176	0	0	0	30	1	9	40	15	14	11	0	0	0	0	0	0	0	0	0	0
Yemen	1309	1059	0	0	0	109	141	48	298	81	120	97	0	0	0	0	0	0	0	0	0	0
Total	9000	8392	0	0	64	2323	338	85	2746	1117	920	709	0	0	0	0	0	0	0	0	0	0

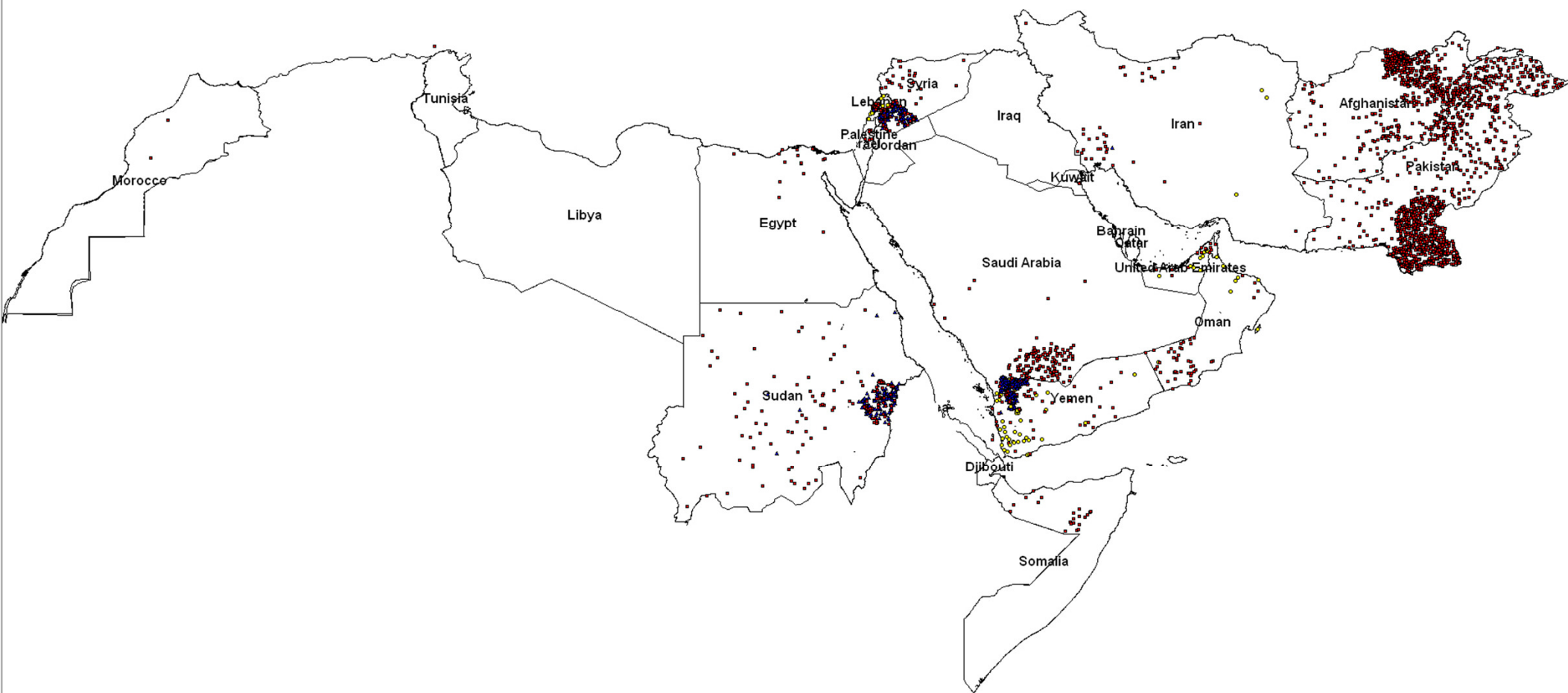
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 March 2017



■ Measles Lab confirmed	N=2323
▲ Measles Epi Linked	N=338
● Measles Clinically compatible	N=85

Rubella final classification and distribution by Month

Between 01/01/2017 and 31/03/2017

Country	Total Suspected cases for rubella	Total specimens tested	Rubella imported*	Rubella imported 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	789	239	0	0	0	20	0	0	20	8	7	5	0	0	0	0	0	0	0	0	0
Bahrain	123	123	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	1556	1493	0	0	37	2	0	0	2	0	1	1	0	0	0	0	0	0	0	0	0
Iraq	75	70	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	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
Egypt	763	733	0	0	1	14	0	0	14	4	8	2	0	0	0	0	0	0	0	0	0
Kuwait	23	23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lebanon	60	2	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0
Libya	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Morocco	39	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oman	631	623	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	1649	1649	0	0	0	11	0	0	11	1	10	0	0	0	0	0	0	0	0	0	0
Palestine	24	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Saudi Arabia	474	399	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	836	680	0	0	0	169	0	0	169	43	70	56	0	0	0	0	0	0	0	0	0
Syria	375	180	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	44	41	0	0	0	2	0	0	2	1	0	1	0	0	0	0	0	0	0	0	0
UAE	185	162	0	0	0	7	0	1	8	2	2	4	0	0	0	0	0	0	0	0	0
Yemen	1309	1059	0	0	0	14	0	16	30	12	11	7	0	0	0	0	0	0	0	0	0
Total	9000	7575	0	0	64	246	0	18	264	75	112	77	0	0	0	0	0	0	0	0	0

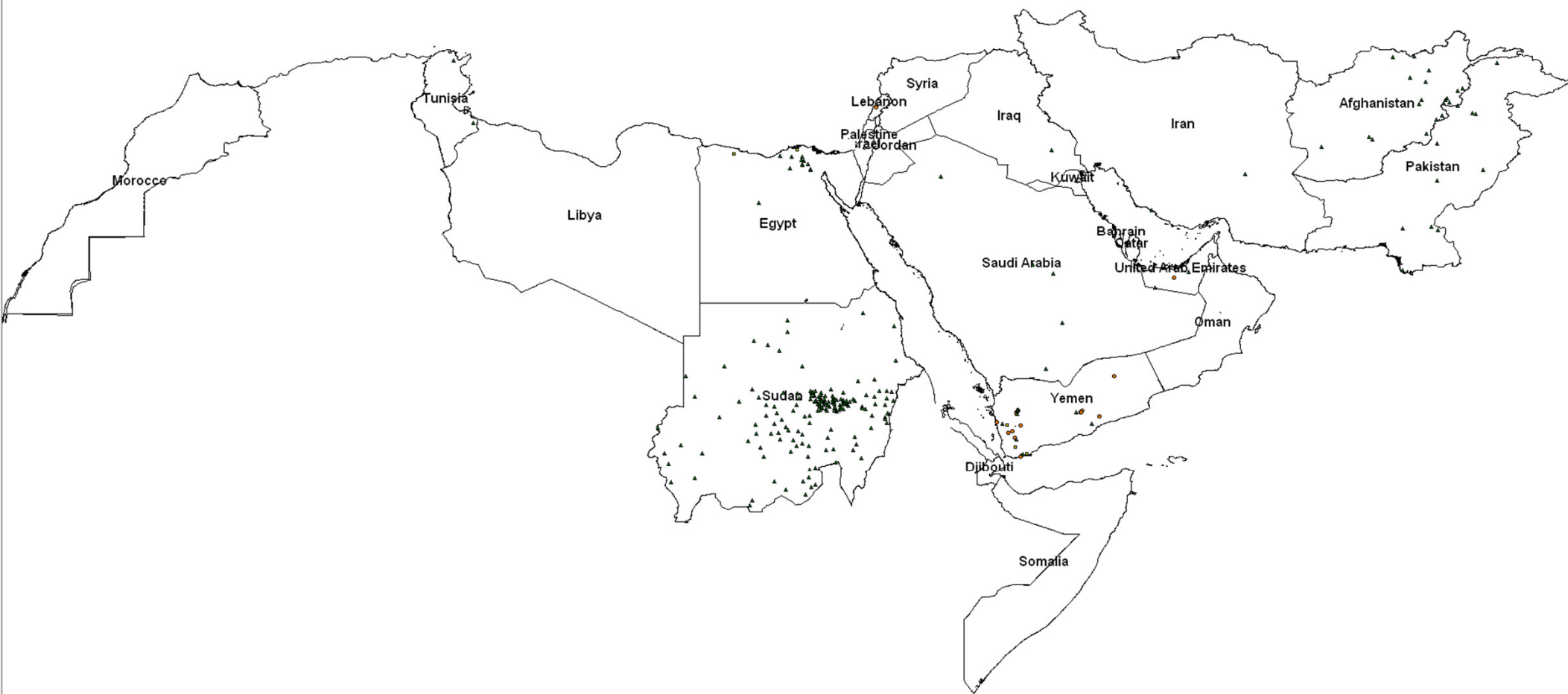
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***Vaccine related case – a suspect case that has a rash like illness without respiratory symptoms and the rash had onset 7-14 days following vaccination and the lab detected IgM in the blood specimen that was collected 8-56 days after vaccination 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 March 2017



- ▲ Rubella Lab confirmed N=246
- Rubella Epi Linked N=0
- Rubella clinically compatible N=18



Measles and Rubella laboratory summary report

Between 01/01/2017 and 31/03/2017

Country	Total Suspected cases M/R	Measles								Rubella								Reported to EPI within 4days
		specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	789	789	100%	550	70%	239	30%	0	0%	239	30%	21	9%	218	91%	0	0%	99%
Bahrain	123	123	100%	3	2%	119	97%	1	1%	123	100%	2	2%	120	98%	1	1%	98%
Iran	1556	1493	96%	67	4%	1425	95%	1	0%	1493	96%	13	1%	1480	99%	0	0%	95%
Iraq	75	73	97%	0	0%	73	100%	0	0%	70	93%	1	1%	69	99%	0	0%	100%
Jordan	11	11	100%	0	0%	11	100%	0	0%	11	100%	0	0%	11	100%	0	0%	18%
Egypt	763	733	96%	16	2%	717	98%	0	0%	733	96%	15	2%	718	98%	0	0%	93%
Kuwait	23	23	100%	4	17%	19	83%	0	0%	23	100%	0	0%	23	100%	0	0%	
Lebanon	60	30	50%	15	50%	15	50%	0	0%	2	3%	0	0%	2	100%	0	0%	100%
Libya	10	10	100%	0	0%	9	90%	1	10%	10	100%	0	0%	8	80%	2	20%	70%
Morocco	39	39	100%	2	5%	36	92%	1	3%	36	92%	0	0%	36	100%	0	0%	82%
Oman	631	622	99%	54	9%	558	90%	10	2%	623	99%	5	1%	615	99%	3	0%	99%
Pakistan	1649	1649	100%	1037	63%	612	37%	0	0%	1649	100%	11	1%	1638	99%	0	0%	42%
Palestine	24	24	100%	7	29%	17	71%	0	0%	24	100%	0	0%	24	100%	0	0%	88%
Saudi Arabia	474	474	100%	197	42%	277	58%	0	0%	399	84%	10	3%	389	97%	0	0%	99%
Somalia	24	24	100%	21	88%	3	13%	0	0%	18	75%	0	0%	18	100%	0	0%	100%
Sudan	836	684	82%	125	18%	552	81%	7	1%	680	81%	179	26%	486	71%	15	2%	92%
Syria	375	316	84%	182	58%	132	42%	2	1%	180	48%	2	1%	175	97%	3	2%	95%
Tunisia	44	40	91%	4	10%	36	90%	0	0%	41	93%	4	10%	37	90%	0	0%	86%
UAE	185	176	95%	35	20%	139	79%	2	1%	162	88%	11	7%	151	93%	0	0%	92%
Yemen	1309	1059	81%	109	10%	915	86%	35	3%	1059	81%	14	1%	1025	97%	20	2%	1%
Total	9000	8392	93%	2428	29%	5904	70%	60	1%	7575	84%	288	4%	7243	96%	44	1%	78%