EMR cumulative indigenous measles/rubella case counts and surveillance indicators

Between 01/01/2017 and 30/04/2017

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 recieved at the lab within 5days	specimens with adequate condition	results reported back within 4days		
Afghanistan	1245	1245	817	0	0	817	428	423	36	0	0	36	387	25.31	1.12	1.21	100%	(missing data)	56%	98%	98%	30/04/2017	
Bahrain	192	192	0	0	0	0	192	192	0	0	0	0	192	0.00	0.00	15.55	100%	100%	100%	100%	99%	30/04/2017	
Iran	2157	2100	42	1	4	47	2110	2100	4	0	0	4	2096	0.60	0.05	2.68	97%	100%	91%	100%	93%	30/04/2017	B3
Iraq	153	71	1	0	0	1	152	147	2	0	0	2	145	0.03	0.06	0.45	46%	69%	56%	100%	100%	29/04/2017	
Jordan	20	20	0	0	0	0	20	20	0	0	0	0	20	0.00	0.00	0.33	100%	70%	100%	100%	25%	22/04/2017	
Egypt	1413	1405	17	0	8	25	1388	1402	30	0	0	30	1372	0.28	0.34	1.52	99%	100%	100%	100%	87%	30/04/2017	
Kuwait	62	55	11	2	0	13	49	55	1	0	0	1	54	3.58	0.28	1.32	92%	98%	100%	100%	7%	29/04/2017	
Lebanon	79	47	19	12	21	52	27	26	0	0	1	1	25	9.05	0.00	0.47	70%	97%	68%	100%	81%	28/04/2017	D8
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	61	59	2	0	0	2	59	55	1	0	0	1	54	0.06	0.03	0.18	97%	93%	90%	100%	72%	30/04/2017	
Oman	921	910	71	0	2	73	848	911	0	0	0	0	911	16.54	0.00	19.21	99%	100%	80%	100%	99%	30/04/2017	D8 ,D4 ,B3
Pakistan	3477	3477	2157	0	0	2157	1320	3477	57	0	0	57	3420	12.18	0.32	0.71	100%	(missing data)	68%	100%	47%	30/04/2017	
Palestine	198	198	34	0	0	34	164	198	0	0	0	0	198	8.16	0.00	3.93	100%	99%	92%	100%	98%	30/04/2017	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	492	492	166	0	0	166	326	383	6	0	0	6	377	5.85	0.21	1.13	100%	82%	100%	100%	96%	29/04/2017	
Somalia	24	24	21	0	0	21	3	18	0	0	0	0	18	2.41	0.00	0.03	100%	(missing data)	21%	100%	100%	28/02/2017	
Sudan	1180	953	200	187	0	387	793	765	183	0	0	183	582	9.40	4.45	1.48	96%	100%	85%	97%	96%	30/04/2017	
Syria	593	474	265	119	0	384	209	246	0	0	0	0	246	17.14	0.00	0.93	100%	93%	61%	96%	93%	30/04/2017	
Tunisia	67	62	1	0	0	1	66	65	3	0	0	3	62	0.09	0.28	0.60	93%	85%	48%	100%	87%	30/04/2017	
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	1669	1405	131	141	62	334	1335	1405	15	0	23	38	1367	12.00	0.54	4.74	92%	88%	68%	98%	12%	30/04/2017	
Total EMR	**14236**	**13411**	**3987**	**462**	**110**	**4559**	**9677**	**12077**	**343**	**0**	**25**	**368**	**11709**	**7.34**	**0.59**	**1.50**	**97%**	**77%**	**78%**	**99%**	**76%**		

*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 30/04/2017

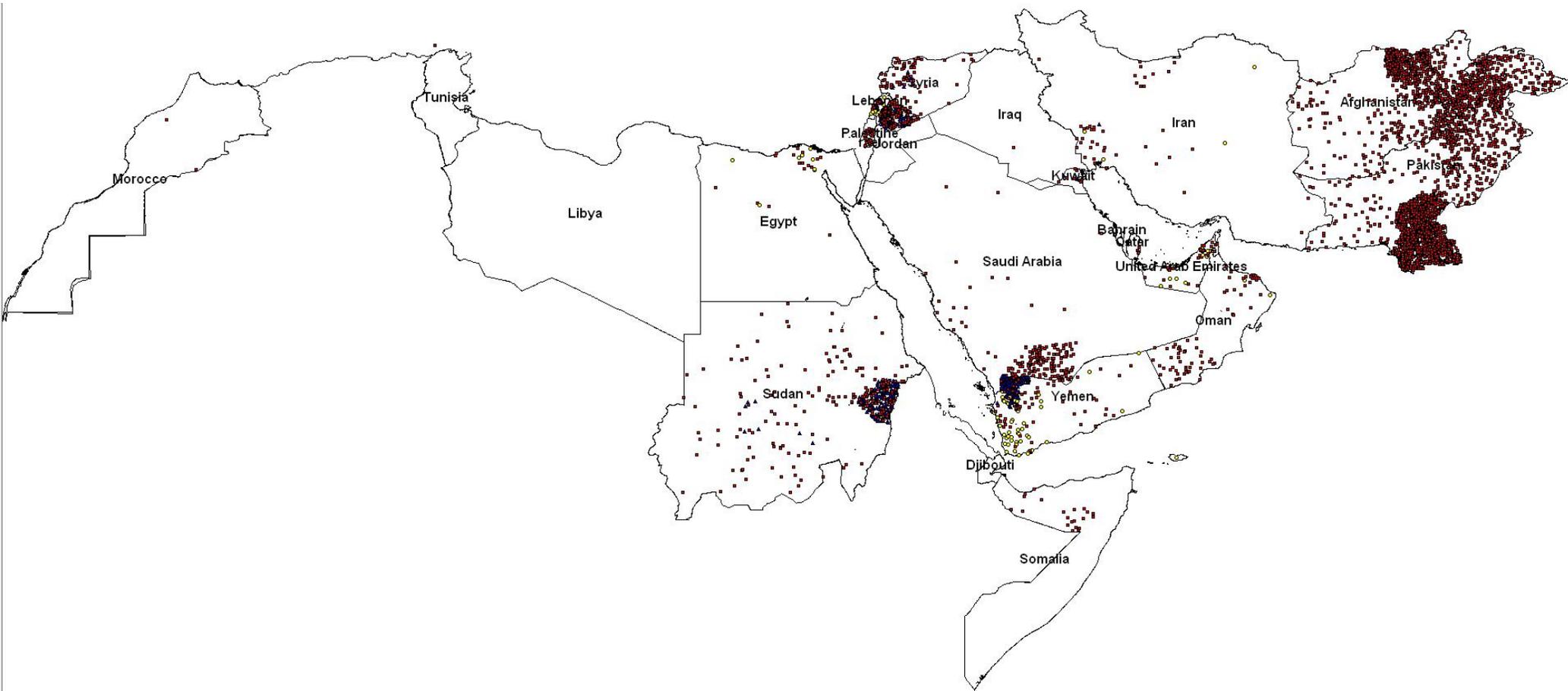| Country	Total Suspected cases for measles	Total specimens tested	Measles Imported cases *	Measles Import related**	Vaccine related ***	Measles lab confirmed	Measles Epi-Linked	Measles clinically comp.	Total confirmed cases #	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Afghanistan	1245	1245	0	0	0	817	0	0	817	225	213	200	179	0	0	0	0	0	0	0	0
Bahrain	192	192	2	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	2157	2100	0	0	54	42	1	4	47	19	14	9	5	0	0	0	0	0	0	0	0
Iraq	153	71	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Jordan	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1413	1405	0	0	1	17	0	8	25	4	6	11	4	0	0	0	0	0	0	0	0
Kuwait	62	55	0	0	1	11	2	0	13	0	3	4	6	0	0	0	0	0	0	0	0
Lebanon	79	47	0	0	0	19	12	21	52	6	8	29	9	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	61	59	0	0	0	2	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0
Oman	921	910	0	0	11	71	0	2	73	33	5	19	16	0	0	0	0	0	0	0	0
Pakistan	3477	3477	0	0	0	2157	0	0	2157	553	300	382	922	0	0	0	0	0	0	0	0
Palestine	198	198	0	0	4	34	0	0	34	0	0	7	27	0	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	492	492	0	0	4	166	0	0	166	76	55	33	2	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
Sudan	1180	953	0	0	0	200	187	0	387	74	92	116	105	0	0	0	0	0	0	0	0
Syria	593	474	0	0	17	265	119	0	384	25	77	132	150	0	0	0	0	0	0	0	0
Tunisia	67	62	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	1669	1405	0	0	0	131	141	62	334	81	120	97	36	0	0	0	0	0	0	0	0
Total	**14236**	**13411**	**8**	**0**	**95**	**3987**	**462**	**110**	**4559**	**1118**	**922**	**1044**	**1475**	**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 April 2017

■ Measles Lab confirmed   N=3987

▲ Measles Epi Linked   N=462

● Measles Clinically compatible   N=110

Rubella final classification and distribution by Month

Between 01/01/2017 and 30/04/2017

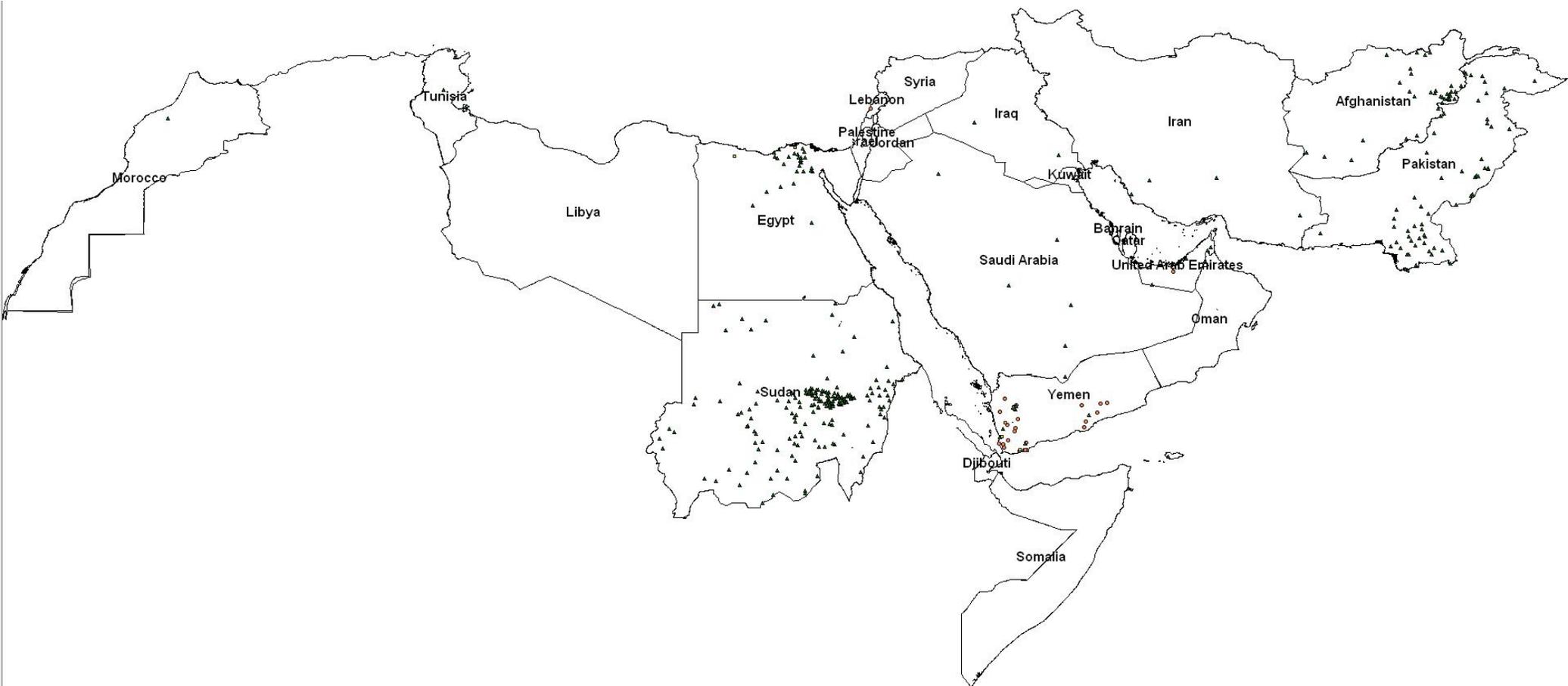| Country	Total Suspected cases for rubella	Total specimens tested	Rubella imported*	Rubella import related**	Rubella vaccine related***	Rubella lab confirmed	Rubella Epi-Linked	Rubella clinically comp.	Total confirmed cases #	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Afghanistan	1245	423	0	0	0	36	0	0	36	8	7	13	8	0	0	0	0	0	0	0	0
Bahrain	192	192	1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Iran	2157	2100	0	0	54	4	0	0	4	0	1	1	2	0	0	0	0	0	0	0	0
Iraq	153	147	0	0	0	2	0	0	2	1	0	0	1	0	0	0	0	0	0	0	0
Jordan	20	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Egypt	1413	1402	0	0	1	30	0	0	30	4	8	10	8	0	0	0	0	0	0	0	0
Kuwait	62	55	0	0	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Lebanon	79	26	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	61	55	0	0	0	1	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0
Oman	921	911	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pakistan	3477	3477	0	0	0	57	0	0	57	1	10	10	36	0	0	0	0	0	0	0	0
Palestine	198	198	0	0	4	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	492	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	1180	765	0	0	0	183	0	0	183	43	71	58	11	0	0	0	0	0	0	0	0
Syria	593	246	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Tunisia	67	65	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	1669	1405	0	0	0	15	0	23	38	12	11	7	8	0	0	0	0	0	0	0	0
Total	**14236**	**12077**	**2**	**0**	**95**	**343**	**0**	**25**	**368**	**75**	**113**	**101**	**79**	**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 Rubella cases in the EMR countries April 2017

▲ **Rubella Lab confirmed**　　**N=343**

● **Rubella Epi Linked**　　**N=0**

▢ **Rubella clinically compatible**　**N=25**

Measles and Rubella laboratory summary report

Between 01/01/2017 and 30/04/2017

Country	Total Suspected cases M/R	Measles								Rubella								Reported to EPI within 4days
		specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	1245	1245	100%	821	66%	424	34%	0	0%	423	34%	37	9%	386	91%	0	0%	98%
Bahrain	192	192	100%	6	3%	185	96%	1	1%	192	100%	4	2%	186	97%	2	1%	99%
Iran	2157	2100	97%	84	4%	2015	96%	1	0%	2100	97%	21	1%	2079	99%	0	0%	93%
Iraq	153	71	46%	1	1%	70	99%	0	0%	147	96%	2	1%	145	99%	0	0%	100%
Jordan	20	20	100%	0	0%	19	95%	1	5%	20	100%	0	0%	20	100%	0	0%	25%
Egypt	1413	1405	99%	18	1%	1387	99%	0	0%	1402	99%	31	2%	1371	98%	0	0%	87%
Kuwait	62	55	89%	12	22%	43	78%	0	0%	55	89%	2	4%	53	96%	0	0%	7%
Lebanon	79	47	59%	19	40%	26	55%	2	4%	26	33%	0	0%	26	100%	0	0%	81%
Libya	10	10	100%	0	0%	9	90%	1	10%	10	100%	0	0%	8	80%	2	20%	70%
Morocco	61	59	97%	2	3%	56	95%	1	2%	55	90%	1	2%	53	96%	1	2%	72%
Oman	921	910	99%	65	7%	823	90%	22	2%	911	99%	8	1%	897	98%	6	1%	99%
Pakistan	3477	3477	100%	2157	62%	1320	38%	0	0%	3477	100%	57	2%	3420	98%	0	0%	47%
Palestine	198	198	100%	38	19%	156	79%	4	2%	198	100%	1	1%	197	99%	0	0%	98%
Qatar	56	56	100%	9	16%	47	84%	0	0%	36	64%	1	3%	35	97%	0	0%	61%
Saudi Arabia	492	492	100%	199	40%	293	60%	0	0%	383	78%	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	1180	953	81%	201	21%	746	78%	6	1%	765	65%	198	26%	564	74%	3	0%	96%
Syria	593	474	80%	275	58%	196	41%	3	1%	246	41%	3	1%	238	97%	5	2%	93%
Tunisia	67	62	93%	4	6%	58	94%	0	0%	65	97%	5	8%	60	92%	0	0%	87%
UAE	167	156	93%	28	18%	125	80%	3	2%	143	86%	5	3%	138	97%	0	0%	85%
Yemen	1669	1405	84%	131	9%	1226	87%	48	3%	1405	84%	15	1%	1363	97%	27	2%	12%
Total	14236	13411	94%	4091	31%	9227	69%	93	1%	12077	85%	401	3%	11630	96%	46	0%	76%