

EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators

Between 01/01/2017 and 31/08/2017

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 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	1789	1789	1156	0	0	1156	633	632	45	0	0	45	587	35.81	1.39	1.82	100%	0%	57%	98%	97%	28/08/2017	
Bahrain	363	363	0	0	0	0	363	363	0	0	0	0	363	0.00	0.00	29.39	100%	100%	100%	100%	98%	25/08/2017	D8, B3
Iran	4378	4260	40	1	11	52	4326	4260	10	0	1	11	4249	0.66	0.14	5.49	97%	95%	92%	100%	95%	31/08/2017	B3
Iraq	303	297	7	0	0	7	296	294	5	0	0	5	289	0.21	0.15	0.88	98%	77%	53%	100%	97%	31/08/2017	
Jordan	31	31	0	0	0	0	31	31	0	0	0	0	31	0.00	0.00	0.51	100%	68%	100%	100%	16%	21/05/2017	
Egypt	2205	2194	17	0	11	28	2177	2192	22	0	0	22	2170	0.29	0.23	2.23	100%	99%	100%	100%	85%	30/08/2017	
Kuwait	94	85	12	0	0	12	82	84	0	0	0	0	84	3.30	0.00	2.26	90%	96%	98%	100%	9%	27/06/2017	
Lebanon	149	95	40	12	41	93	56	50	5	0	4	9	41	16.19	1.57	0.89	69%	97%	56%	100%	79%	26/08/2017	D8
Libya	81	79	4	0	0	4	77	79	1	0	0	1	78	0.69	0.17	1.31	98%	98%	46%	96%	87%	30/08/2017	B3
Morocco	147	143	3	0	0	3	144	133	4	0	0	4	129	0.09	0.12	0.43	97%	95%	93%	100%	80%	28/08/2017	
Oman	2178	2155	91	0	8	99	2079	2154	0	0	0	0	2154	22.43	0.00	47.10	99%	52%	78%	100%	91%	31/08/2017	D8 ,D4 ,B3
Pakistan	8344	8344	5006	0	0	5006	3338	8344	334	0	0	334	8010	28.27	1.89	1.70	100%	0%	78%	100%	45%	31/08/2017	
Palestine	396	396	61	0	0	61	335	396	0	0	0	0	396	14.63	0.00	8.04	100%	99%	85%	100%	92%	29/08/2017	B3
Qatar	105	104	6	0	0	6	99	65	1	0	0	1	64	3.46	0.58	5.65	99%	100%	99%	100%	78%	25/08/2017	
Saudi Arabia	746	745	203	0	0	203	543	479	10	0	0	10	469	7.15	0.35	1.88	100%	88%	98%	100%	97%	31/08/2017	
Somalia ★	16871	41	34	0	16830	16864	7	22	0	0	0	0	22	1212.54	0.00	0.05	0%	0%	54%	100%	59%	18/07/2017	
Sudan	1628	1300	280	267	0	547	1081	1289	221	0	0	221	1068	13.29	5.37	2.09	96%	100%	83%	97%	95%	27/08/2017	
Syria	1188	968	441	216	0	657	531	586	0	0	0	0	586	29.33	0.00	2.37	100%	100%	60%	98%	96%	30/08/2017	
Tunisia	133	126	3	0	0	3	130	127	4	0	0	4	123	0.28	0.38	1.19	95%	85%	59%	100%	88%	14/08/2017	
UAE	482	461	70	2	25	97	385	424	25	1	1	27	397	10.59	2.95	3.92	96%	95%	95%	100%	89%	27/08/2017	
Yemen	2428	1612	154	146	66	366	2062	1798	19	0	25	44	1754	13.15	1.58	7.34	71%	90%	64%	98%	27%	30/08/2017	
Total	44039	25588	7628	644	16992	25264	18775	23802	706	1	31	738	23064	39.93	1.16	2.91	96%	80%	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 MCV
 -Date specimen collected.
 -Travel history

Countries that did not report

Djibouti

★ **Somalia reported aggregate data**

Measles final classification and distribution by Month

Between 01/01/2017 and 31/08/2017

Country	Total Suspected cases for measles	Total specimens tested	Imported Measles cases	Measles import related	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	1789	1789	0	0	0	1156	0	0	1156	209	213	201	180	144	89	88	32				
Bahrain	363	363	4	0	6	0	0	0	0	0	0	0	0	0	0	0	0				
Iran	4378	4260	10	6	131	40	1	11	52	13	10	10	6	3	1	8	1				
Iraq	303	297	0	0	0	7	0	0	7	0	0	0	1	3	2	0	1				
Jordan	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Egypt	2205	2194	0	0	0	17	0	11	28	4	4	11	4	2	0	2	1				
Kuwait	94	85	0	0	3	12	0	0	12	0	3	4	4	0	1	0	0				
Lebanon	149	95	0	0	0	40	12	41	93	6	8	29	10	17	11	8	4				
Libya	81	79	0	0	0	4	0	0	4	0	0	0	0	1	0	0	3				
Morocco	147	143	0	0	0	3	0	0	3	0	0	2	0	0	1	0	0				
Oman	2178	2155	0	0	47	91	0	8	99	33	5	19	20	14	6	0	2				
Pakistan	8344	8344	0	0	0	5006	0	0	5006	553	300	309	1056	1241	700	523	324				
Palestine	396	396	0	0	7	61	0	0	61	0	0	7	27	18	6	3	0				
Qatar	105	104	14	0	0	6	0	0	6	2	0	1	1	0	1	1	0				
Saudi Arabia	746	745	0	0	4	203	0	0	203	76	55	33	2	9	5	10	13				
Somalia	16871	41	0	0	0	34	0	16830	16864	1155	1435	1902	2532	3458	2375	2349	1658				
Sudan	1628	1300	0	0	0	280	267	0	547	74	90	118	104	79	24	25	33				
Syria	1188	968	0	0	28	441	216	0	657	25	77	135	168	125	39	50	38				
Tunisia	133	126	0	0	0	3	0	0	3	0	0	1	0	0	0	2	0				
UAE	482	461	0	0	1	70	2	25	97	17	12	17	15	15	8	7	6				
Yemen	2428	1612	0	0	0	154	146	66	366	81	120	97	38	26	3	0	1				
Total	44039	25588	28	6	227	7628	644	16992	25264	2248	2332	2896	4168	5155	3272	3076	2117				

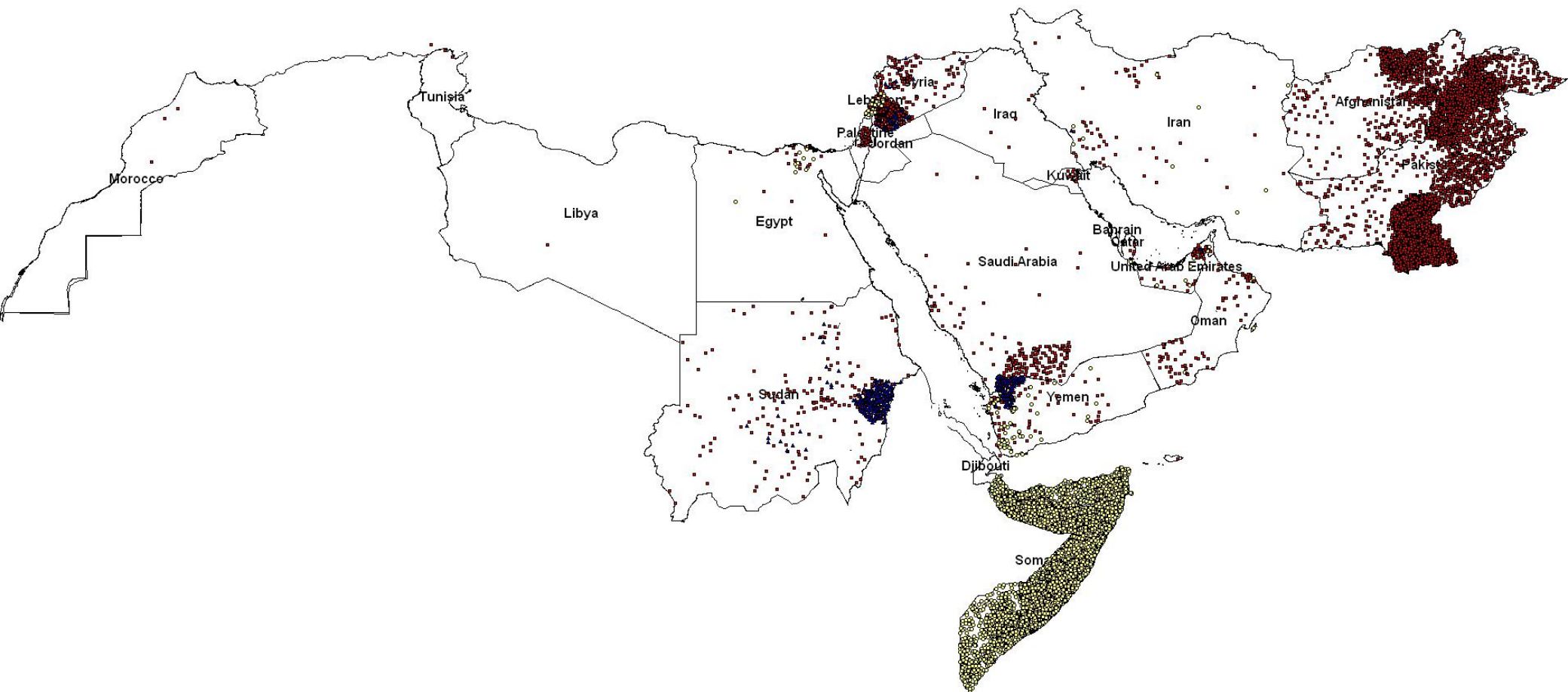
* Imported measles/rubella case – a case exposed to measles outside the country during the 7-21 days prior to rash onset and supported by epidemiological or virological evidence (for rubella the exposure would be during the 12-23 days prior to rash onset)

** 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 August 2017



- Measles Lab confirmed **N=7628**
- ▲ Measles Epi Linked **N=644**
- Measles Clinically compatible **N=16992**



Rubella final classification and distribution by Month

Between 01/01/2017 and 31/08/2017

Country	Total Suspected cases for Rubella	Total specimens tested	Imported Rubella cases	Rubella import related	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	1789	632	0	0	0	45	0	0	45	8	7	13	8	3	3	3	0				
Bahrain	363	363	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0				
Iran	4378	4260	0	6	0	10	0	1	11	0	1	3	2	3	0	0	2				
Iraq	303	294	0	0	0	5	0	0	5	1	0	0	1	1	1	1	0				
Jordan	31	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Egypt	2205	2192	0	0	0	22	0	0	22	3	3	6	5	1	0	2	2				
Kuwait	94	84	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Lebanon	149	50	0	0	0	5	0	4	9	0	1	0	0	4	1	2	1				
Libya	81	79	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0				
Morocco	147	133	0	0	0	4	0	0	4	0	0	0	1	1	2	0	0				
Oman	2178	2154	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Pakistan	8344	8344	0	0	0	334	0	0	334	1	10	10	60	136	84	27	6				
Palestine	396	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Qatar	105	65	0	0	2	1	0	0	1	0	0	0	0	0	1	0	0				
Saudi Arabia	746	479	0	0	0	10	0	0	10	3	2	1	0	0	0	1	3				
Somalia	16871	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Sudan	1628	1289	0	0	0	221	0	0	221	43	70	60	24	15	6	1	2				
Syria	1188	586	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Tunisia	133	127	0	0	0	4	0	0	4	1	0	1	2	0	0	0	0				
UAE	482	424	0	0	0	25	1	1	27	2	3	5	2	3	5	6	1				
Yemen	2428	1798	0	0	0	19	0	25	44	12	11	7	8	3	3	0	0				
Total	44039	23802	0	6	4	706	1	31	738	74	108	106	113	171	106	43	17				

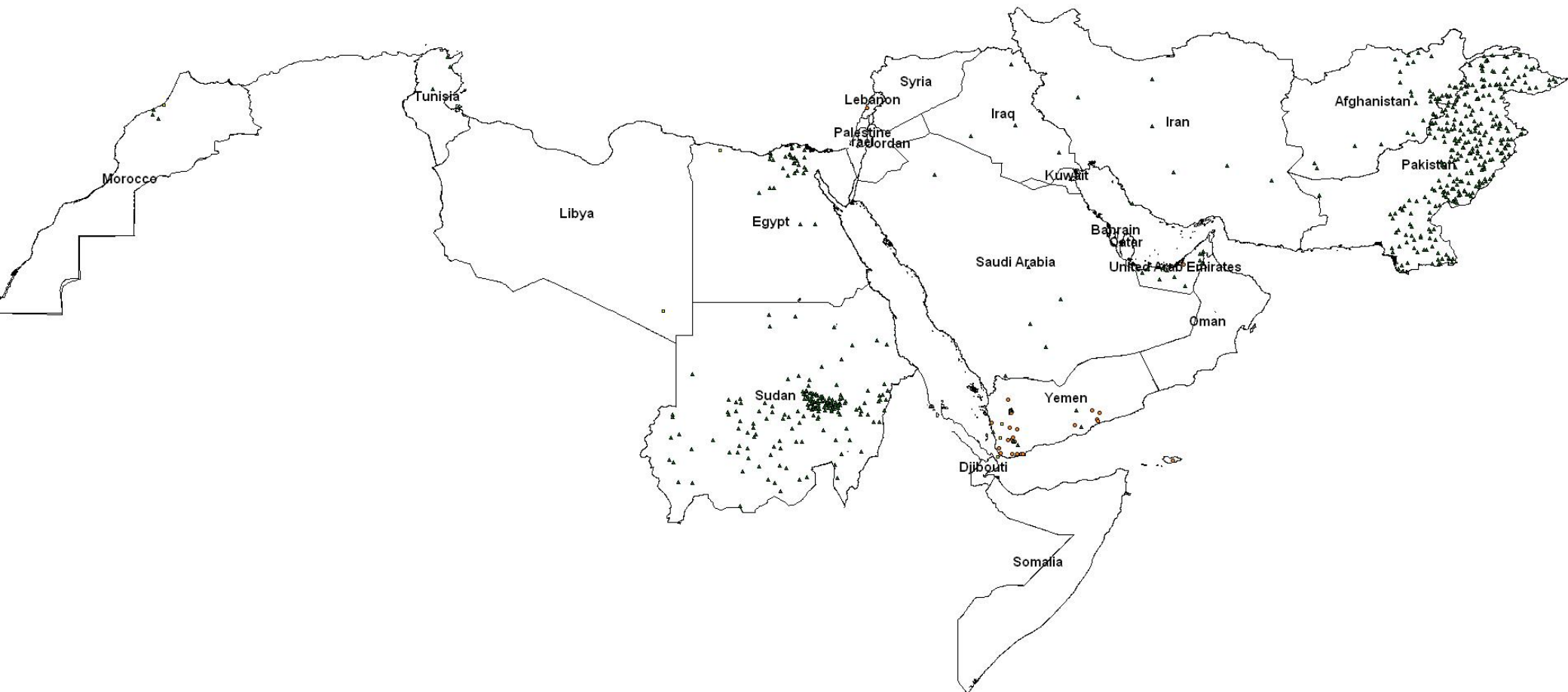
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Total confirmed cases; include all cases confirmed by laboratory testing or epi linkage, plus those clinical cases that were reported without a laboratory specimen or epi linkage

Cumulative geographic distribution of Rubella cases in the EMR countries August 2017



- ▲ Rubella Lab confirmed N=706
- Rubella Epi Linked N=1
- Rubella clinically compatible N=31

Measles and Rubella laboratory summary report

Between 01/01/2017 and 31/08/2017

Country	Measles								Rubella								Reported to EPI within 4days
	specimens tested	%	Positive	%	Negative	%	Equivocal	%	specimens tested	%	Positive	%	Negative	%	Equivocal	%	
Afghanistan	1789	100%	1156	65%	633	35%	0	0%	632	35%	46	7%	586	93%	0	0%	97%
Bahrain	363	100%	9	2%	350	96%	4	1%	363	100%	7	2%	351	97%	5	1%	98%
Iran	4260	97%	160	4%	4099	96%	1	0%	4260	97%	55	1%	4205	99%	0	0%	95%
Iraq	297	98%	7	2%	290	98%	0	0%	294	97%	5	2%	289	98%	0	0%	97%
Jordan	31	100%	0	0%	30	97%	1	3%	31	100%	0	0%	31	100%	0	0%	16%
Egypt	2194	100%	20	1%	2174	99%	0	0%	2192	99%	41	2%	2151	98%	0	0%	85%
Kuwait	85	90%	15	18%	70	82%	0	0%	84	89%	1	1%	83	99%	0	0%	9%
Lebanon	95	64%	40	42%	52	55%	3	3%	50	34%	5	10%	45	90%	0	0%	79%
Libya	79	98%	4	5%	74	94%	1	1%	79	98%	1	1%	75	95%	3	4%	87%
Morocco	143	97%	3	2%	139	97%	1	1%	133	90%	4	3%	128	96%	1	1%	80%
Oman	2155	99%	96	4%	2023	94%	36	2%	2154	99%	42	2%	2084	97%	28	1%	91%
Pakistan	8344	100%	5006	60%	3338	40%	0	0%	8344	100%	334	4%	8010	96%	0	0%	45%
Palestine	396	100%	69	17%	316	80%	11	3%	396	100%	3	1%	384	97%	9	2%	92%
Qatar	104	99%	18	17%	86	83%	0	0%	65	62%	3	5%	62	95%	0	0%	78%
Saudi Arabia	745	100%	243	33%	502	67%	0	0%	479	64%	14	3%	465	97%	0	0%	97%
Somalia	41	100%	34	83%	7	17%	0	0%	22	54%	0	0%	22	100%	0	0%	59%
Sudan	1300	80%	280	22%	1015	78%	5	0%	1289	79%	241	19%	998	77%	50	4%	95%
Syria	968	81%	453	47%	507	52%	8	1%	586	49%	8	1%	568	97%	10	2%	96%
Tunisia	126	95%	8	6%	118	94%	0	0%	127	95%	8	6%	119	94%	0	0%	88%
UAE	461	96%	71	15%	383	83%	7	2%	424	88%	28	7%	396	93%	0	0%	89%
Yemen	1612	66%	154	10%	1406	87%	52	3%	1798	74%	19	1%	1747	97%	32	2%	27%