EMR cumulative indigenous Measles/Rubella cases counts and surveillance indicators
Between 01/01/2021 and 31/12/2021

| Country | Measles case finding report |  |  |  |  |  |  | Rubella case finding report |  |  |  |  |  | Measles <br> incidenc <br> e/1000,0 <br> 00 * | Report ing rate | Indicators: terget $\geq 80 \%$ |  |  |  |  | Last date reported | Genotypes reorted |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Total suspecte d cases for M/R | Specime ns tested for Measles | Measles lab confirme d | $\left\|\begin{array}{c} \text { Measle st } \\ \text { Epi- } \\ \text { Linked } \end{array}\right\|$ | Measles clinicaly compati ble | Total Measles | Measle <br> s <br> discard <br> ed cases | Specimn <br> s tested for Rubella | Rubell a lab confir med | Rubell a EpiLinked | Rubell <br> a clinica lly comp atable | Total Rubell a | Rubella discarde d |  |  | suspects tested for Measles **** | $\begin{array}{\|c\|} \hline \text { cases } \\ \text { with } \\ \text { complet e } \\ \text { investig } \\ \text { ation } \end{array}$ | specime <br> ns <br> received <br> at the lab <br> within 5 <br> days | specime <br> ns with <br> adequat <br> e conditio <br> $n$ | results reporte d back within 4 days |  |  |
| Afghanistan | 4112 | 4052 | 2890 | 1 | 71 | 2962 | 1150 | 4052 | 48 | 0 | 0 | 48 | 4004 | 74.36 | 2.89 | 99\% | 75\% | 89\% | 99\% | 67\% | 31-12-2021 |  |
| Bahrain | 156 | 156 | 0 | 0 | 0 | 0 | 156 | 156 | 0 | 0 | 0 | 0 | 156 | 0.00 | 8.92 | 100\% | 100\% | 100\% | 100\% | 100\% | 31-12-2021 |  |
| Djibouti | NR* | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |  |  |
| Iran | 4154 | 4071 | 103 | 0 | 3 | 106 | 4048 | 4071 | 39 | 0 | 0 | 39 | 4032 | 1.25 | 4.76 | 98\% | 84\% | 96\% | 100\% | 66\% | 31-12-2021 |  |
| Iraq | 186 | 165 | 8 | 0 | 13 | 21 | 165 | 165 | 7 | 0 | 0 | 7 | 158 | 0.51 | 0.40 | 89\% | 36\% | 13\% | 100\% | 41\% | 31-12-2021 |  |
| Jordan | 31 | 29 | 2 | 0 | 0 | 2 | 29 | 29 | 0 | 0 | 0 | 0 | 29 | 0.19 | 0.28 | 97\% | 13\% | 79\% | 100\% |  | 31-12-2021 |  |
| Egypt | 2335 | 2335 | 0 | 0 | 0 | 0 | 2335 | 2335 | 0 | 0 | 0 | 0 | 2335 | 0.00 | 2.24 | 98\% | 11\% | 96\% | 100\% | 86\% | 31-12-2021 |  |
| Kuwait | 50 | 46 | 3 | 0 | 0 | 3 | 47 | 46 | 1 | 0 | 0 | 1 | 45 | 0.69 | 1.09 | 92\% | 64\% | 51\% | 100\% | 16\% | 31-12-2021 |  |
| Lebanon | 5 | 5 | 0 | 0 | 5 | 5 | 0 | 5 | 0 | 0 | 0 | 0 | 5 | 0.74 | 0.00 | 100\% | 100\% | 100\% | 100\% | 75\% | 31-03-2021 |  |
| Libya | 120 | 119 | 14 | 0 | 0 | 14 | 106 | 119 | 12 | 0 | 0 | 12 | 107 | 2.01 | 1.57 | 97\% | 64\% | 19\% | 100\% | 79\% | 31-12-2021 |  |
| Morocco | 54 | 49 | 1 | 0 | 0 | 1 | 53 | 49 | 1 | 0 | 0 | 1 | 48 | 0.03 | 0.14 | 90\% | 62\% | 66\% | 100\% | 78\% | 31-12-2021 |  |
| Oman | 298 | 293 | 0 | 0 | 0 | 0 | 298 | 293 | 0 | 0 | 0 | 0 | 293 | 0.00 | 5.71 | 98\% | 83\% | 92\% | 100\% | 89\% | 31-12-2021 | B3 imp. |
| Pakistan | 17150 | 11685 | 5875 | 210 | 965 | 7050 | 10100 | 11685 | 98 | 0 | 0 | 98 | 11587 | 31.31 | 4.48 | 64\% | 65\% | 80\% | 89\% | 64\% | 31-12-2021 |  |
| Palestine | 25 | 25 | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 0 | 0 | 0 | 25 | 0.00 | 0.48 | 100\% | 58\% | 46\% | 100\% | 83\% | 30-11-2021 |  |
| Qatar | 55 | 55 | 0 | 0 | 0 | 0 | 55 | 55 | 1 | 0 | 0 | 1 | 54 | 0.00 | 1.88 | 100\% | 56\% | 98\% | 100\% | 85\% | 31-12-2021 |  |
| Saudi Arabia | 515 | 512 | 81 | 10 | 0 | 91 | 424 | 512 | 20 | 0 | 0 | 20 | 492 | 2.54 | 1.20 | 100\% | 71\% | 100\% | 100\% | 99\% | 30-09-2021 |  |
| Somalia * | 7494 | 1271 | 973 | 0 | 0 | 973 | 6521 | 1271 | 1 | 1 | 0 | 2 | 1269 | 59.48 | 39.86 | 89\% | 100\% | 89\% | 100\% | 16\% | 31-12-2021 |  |
| Sudan | 1473 | 1071 | 425 | 254 | 0 | 679 | 794 | 1071 | 208 | 95 | 0 | 303 | 768 | 15.12 | 1.77 | 100\% | 98\% | 70\% | 100\% | 11\% | 30-11-2021 |  |
| Syria | 661 | 661 | 11 | 0 | 0 | 11 | 650 | 661 | 7 | 0 | 0 | 7 | 654 | 0.60 | 3.56 | 90\% | 100\% | 58\% | 100\% | 99\% | 31-12-2021 |  |
| Tunisia | 81 | 79 | 1 | 0 | 0 | 1 | 80 | 79 | 5 | 0 | 0 | 5 | 74 | 0.08 | 0.67 | 90\% | 91\% | 15\% | 100\% | 89\% | 31-12-2021 |  |
| UAE | 140 | 127 | 23 | 0 | 12 | 35 | 105 | 127 | 1 | 0 | 1 | 2 | 125 | 3.50 | 1.05 | 91\% | 83\% | 98\% | 100\% | 83\% | 31-12-2021 |  |
| Yemen | 8246 | 4420 | 1578 | 522 | 2239 | 4339 | 3907 | 4420 | 746 | 220 | 1491 | 2457 | 1963 | 142.31 | 12.81 | 54\% |  | 45\% | 99\% | 79\% | 31-10-2021 |  |
| Total | 47341 | 31226 | 11988 | 997 | 3308 | 16293 | 31048 | 31226 | 1195 | 316 | 1492 | 3003 | 28223 | 9.62 | 4.79 | 100\% | 66\% | 71\% | 99\% | 69\% |  |  |
| ${ }^{*}$ The sum of the measles lab confirmed cases +measles epi-linked cases + measles clinically compatible cases/million population <br> **The sum of the rubella lab confirmed cases +rubella epi-linked cases + rubella clinically compatible cases/million population <br> ***Reporting rate of discarded non-measles non-rubella cases at the national level per 100,000 total population <br> ${ }^{* * * * E x c l u d i n g ~ m e a s l e s ~ a n d ~ r u b e l l a ~ e p i-l i n k e d ~ c a s e s ~}$ <br> *NR- Not reported |  |  |  |  |  |  |  |  |  |  | Green cells= indicator met. Yellow cells=indicator not met. Redcells=missing data for calculating indicator. |  |  |  |  | Adequate investigation includes the following data elements: <br> -District. <br> -Age. <br> -Gender. <br> -Date of rash onset, case notification and investigation <br> -Vaccination status. -Date of last vaccination with MCV <br> -Date specimen collected. <br> -Travel history |  |  |  |  |  |  |

Measles final classification and distribution by Month
Between 01/01/2021 and 31/12/2021

| Country | Total Suspected cases for measles | Total specimens tested | Imported <br> Measles <br> cases* | Measles import related* | Vaccine related*** | Unknow n source |  | Measles Epi- <br> Linked | Measles clinically compati ble | Total confirmed cases\# | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Afghanistan | 4112 | 4052 | 0 | 0 | 0 | 0 | 2890 | 1 | 71 | 2962 | 143 | 314 | 403 | 548 | 357 | 228 | 140 | 117 | 102 | 112 | 221 | 264 |
| Bahrain | 156 | 156 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Djibouti | NR* | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Iran | 4154 | 4071 | 54 | 34 | 229 | 7 | 103 | 0 | 3 | 106 | 0 | 0 | 0 | 17 | 22 | 30 | 9 | 10 | 2 | 10 | 2 | 4 |
| Iraq | 186 | 165 | 0 | 0 | 1 | 0 | 8 | 0 | 13 | 21 | 6 | 0 | 3 | 1 | 0 | 2 | 0 | 0 | 0 | 1 | 5 | 3 |
| Jordan | 31 | 29 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Egypt | 2335 | 2335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 50 | 46 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 |
| Lebanon | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 1 | 2 | 2 | 0 | 0 | NR | NR | NR | NR | NR | NR | NR |
| Libya | 120 | 119 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 14 | 0 | 9 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Morocco | 54 | 49 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 298 | 293 | 0 | 0 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 17150 | 11685 | 0 | 0 | 0 | 0 | 5875 | 210 | 965 | 7050 | 686 | 979 | 1195 | 1501 | 763 | 986 | 287 | 72 | 43 | 75 | 202 | 360 |
| Palestine | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR |
| Qatar | 55 | 55 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 515 | 512 | 0 | 0 | 0 | 0 | 81 | 10 | 0 | 91 | 0 | 0 | 2 | 0 | 3 | 6 | 1 | 1 | 78 | NR | NR | NR |
| Somalia | 7494 | 1271 | 0 | 0 | 0 | 0 | 973 | 0 | 0 | 973 | 84 | 102 | 45 | 82 | 26 | 21 | 167 | 67 | 62 | 98 | 128 | 62 |
| Sudan | 1473 | 1071 | 0 | 0 | 6 | 0 | 425 | 254 | 0 | 679 | 4 | 8 | 8 | 27 | 93 | 135 | 141 | 108 | 89 | 49 | 17 | NR |
| Syria | 661 | 661 | 0 | 0 | 17 | 0 | 11 | 0 | 0 | 11 | 2 | 2 | 1 |  | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 |
| Tunisia | 81 | 79 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UAE | 140 | 127 | 0 | 0 | 4 | 0 | 23 | 0 | 12 | 35 | 1 | 3 | 1 | 4 | 5 | 1 | 1 | 2 | 5 | 7 | 1 | 4 |
| Yemen | 8246 | 4420 | 0 | 0 | 0 | 0 | 1578 | 522 | 2239 | 4339 | 550 | 600 | 953 | 472 | 344 | 479 | 303 | 368 | 235 | 35 | NR | NR |
| Total | 47341 | 31226 | 55 | 34 | 274 | 7 | 11988 | 997 | 3308 | 16293 | 1477 | 2021 | 2615 | 2656 | 1617 | 1888 | 1049 | 747 | 616 | 390 | 577 | 697 |

${ }_{* *}^{\text {*s Importation related measles/rubella case - a locally acquired infection occurring as part of a chain of transmission originating from an imported case as supported by epidemiological or virological evidence }}$

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
NR- Not reported to date

Total Measles confirmed cases up to December 31, 2021


## Cumulative geographic Distribution of Measles cases in the EMR countries Up to

 December 31, 2021

A $0 \quad 1000 \quad 2000 \mathrm{~km}$

Remark: The boundaries and names shown and the designations used on this map dot not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or area of its frontier or boundaries. Dotted dashed lines on the maps represent approximate border lines for which there may not yet be full agreement.

Rubella final classification and distribution by Month
Between 01/01/2021 and 31/12/2021

| Country | Total Suspected cases for Rubella | Total specimens tested | Imported Rubella cases* | Rubella import related* | Vaccine related*** | Unknow n source | ```Rubella Lab confirmed``` | Rubella Epi- <br> Linked | Rubella clinically compati ble | Total confirmed cases\# | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Afghanistan | 4112 | 4052 | 0 | 0 | 0 | 0 | 48 | 0 | 0 | 48 | 2 | 3 | 7 | 9 | 14 | 0 | 0 | 2 | 0 | 2 | 4 | 5 |
| Bahrain | 156 | 156 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Djibouti | NR* | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR | NR |
| Iran | 4154 | 4071 | 11 | 1 | 75 | 7 | 39 | 0 | 0 | 39 | 0 | 0 | 0 | 3 | 9 | 8 | 4 | 0 | 1 | 9 | 0 | 5 |
| Iraq | 186 | 165 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 3 | 1 |
| Jordan | 31 | 29 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Egypt | 2335 | 2335 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kuwait | 50 | 46 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lebanon | 5 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR | NR | NR | NR | NR | NR | NR |
| Libya | 120 | 119 | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 12 | 1 | 4 | 1 | 2 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 0 |
| Morocco | 54 | 49 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oman | 298 | 293 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pakistan | 17150 | 11685 | 0 | 0 | 0 | 0 | 98 | 0 | 0 | 98 | 0 | 0 | 0 | 18 | 7 | 6 | 3 | 3 | 7 | 0 | 6 | 48 |
| Palestine | 25 | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NR |
| Qatar | 55 | 55 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 |
| Saudi Arabia | 515 | 512 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 20 | 2 | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 8 | NR | NR | NR |
| Somalia | 7494 | 1271 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sudan | 1473 | 1071 | 0 | 0 | 0 | 0 | 208 | 95 | 0 | 303 | 8 | 11 | 19 | 68 | 81 | 52 | 17 | 20 | 18 | 9 | 0 | NR |
| Syria | 661 | 661 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 7 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 1 | 0 | 0 | 0 |
| Tunisia | 81 | 79 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 5 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 |
| UAE | 140 | 127 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 |
| Yemen | 8246 | 4420 | 0 | 0 | 0 | 0 | 746 | 220 | 1491 | 2457 | 375 | 502 | 511 | 201 | 124 | 208 | 131 | 184 | 214 | 7 | NR | NR |
| Total | 47341 | 31226 | 11 | 1 | 75 | 7 | 1195 | 316 | 1492 | 3003 | 392 | 520 | 539 | 304 | 238 | 281 | 159 | 215 | 250 | 31 | 15 | 59 |

*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
 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
*NR- Not reported to date


Cumulative geographic Distribution of Rubella cases in the EMR countries Up to December 31, 2021


A $0 \quad 1000 \quad 2000 \mathrm{~km}$

Remark: The boundaries and names shown and the designations used on this map dot not imply the expression of any opinion whatsoever on the part of the World Health Organization concerning the legal status of any country, territory, city or area or area of its frontier or boundaries. Dotted dashed lines on the maps represent approximate border lines for which there may not yet be full agreement.

## Measles and Rubella laboratory summary report

Between 01-Jan-21
and 31-Dec-21

| Country |  | Measles |  |  |  |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | specimens <br> tested | $\%$ | Positive | $\%$ | Negative | $\%$ | Equivocal | $\%$ |  |
| Afghanistan | 4052 | $99 \%$ | 2835 | $70 \%$ | 1196 | $30 \%$ | 21 | $0.5 \%$ |  |
| Bahrain | 156 | $100 \%$ | 0 | $0 \%$ | 156 | $100 \%$ | 0 | $0.0 \%$ |  |
| Iran | 4071 | $98 \%$ | 256 | $6 \%$ | 3815 | $94 \%$ | 0 | $0.0 \%$ |  |
| Iraq | 165 | $100 \%$ | 9 | $5 \%$ | 154 | $93 \%$ | 2 | $1.2 \%$ |  |
| Jordan | 29 | $100 \%$ | 2 | $7 \%$ | 27 | $93 \%$ | 0 | $0.0 \%$ |  |
| Egypt | 2335 | $99 \%$ | 43 | $2 \%$ | 2285 | $98 \%$ | 7 | $0.3 \%$ |  |
| Kuwait | 46 | $100 \%$ | 3 | $7 \%$ | 43 | $93 \%$ | 0 | $0.0 \%$ |  |
| Lebanon | 5 | $100 \%$ | 5 | $100 \%$ | 0 | $0 \%$ | 0 | $0.0 \%$ |  |
| Libya | 119 | $100 \%$ | 14 | $12 \%$ | 102 | $86 \%$ | 3 | $2.5 \%$ |  |
| Morocco | 49 | $100 \%$ | 1 | $2 \%$ | 47 | $96 \%$ | 1 | $2.0 \%$ |  |
| Oman | 293 | $99 \%$ | 14 | $5 \%$ | 273 | $93 \%$ | 6 | $2.0 \%$ |  |
| Pakistan | 11685 | $92 \%$ | 4720 | $40 \%$ | 6965 | $60 \%$ | 0 | $0.0 \%$ |  |
| Palestine | 25 | $100 \%$ | 0 | $0 \%$ | 25 | $100 \%$ | 0 | $0.0 \%$ |  |
| Qatar | 55 | $100 \%$ | 4 | $7 \%$ | 51 | $93 \%$ | 0 | $0.0 \%$ |  |
| Saudi Arabia | 512 | $100 \%$ | 75 | $15 \%$ | 437 | $85 \%$ | 0 | $0.0 \%$ |  |
| Somalia | 1271 | $100 \%$ | 973 | $77 \%$ | 297 | $23 \%$ | 1 | $0.1 \%$ |  |
| Sudan | 1071 | $83 \%$ | 679 | $63 \%$ | 373 | $35 \%$ | 19 | $1.8 \%$ |  |
| Syria | 661 | $100 \%$ | 12 | $2 \%$ | 647 | $98 \%$ | 2 | $0.3 \%$ |  |
| Tunisia | 79 | $96 \%$ | 2 | $3 \%$ | 77 | $97 \%$ | 0 | $0.0 \%$ |  |
| UAE | 127 | $100 \%$ | 27 | $21 \%$ | 98 | $77 \%$ | 2 | $1.6 \%$ |  |
| Yemen | 4420 | $100 \%$ | 1581 | $36 \%$ | 2780 | $63 \%$ | 59 | $1.3 \%$ |  |


| Rubella |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| specimens <br> tested | $\%$ | Positive | $\%$ | Negative | $\%$ | Equivocal | $\%$ |
| 4052 | $100 \%$ | 47 | $1 \%$ | 4004 | $99 \%$ | 1 | $0 \%$ |
| 156 | $100 \%$ | 0 | $0 \%$ | 155 | $99 \%$ | 1 | $1 \%$ |
| 4071 | $98 \%$ | 141 | $3 \%$ | 3930 | $97 \%$ | 0 | $0 \%$ |
| 165 | $100 \%$ | 5 | $3 \%$ | 159 | $96 \%$ | 1 | $1 \%$ |
| 29 | $100 \%$ | 7 | $24 \%$ | 21 | $72 \%$ | 1 | $3 \%$ |
| 2335 | $99 \%$ | 50 | $2 \%$ | 2282 | $98 \%$ | 3 | $0 \%$ |
| 46 | $100 \%$ | 1 | $2 \%$ | 45 | $98 \%$ | 0 | $0 \%$ |
| 5 | $100 \%$ | 0 | $0 \%$ | 5 | $100 \%$ | 0 | $0 \%$ |
| 119 | $100 \%$ | 12 | $10 \%$ | 99 | $83 \%$ | 8 | $7 \%$ |
| 49 | $100 \%$ | 1 | $2 \%$ | 43 | $88 \%$ | 5 | $10 \%$ |
| 293 | $99 \%$ | 11 | $4 \%$ | 281 | $96 \%$ | 1 | $0 \%$ |
| 11685 | $92 \%$ | 140 | $1 \%$ | 11545 | $99 \%$ | 0 | $0 \%$ |
| 25 | $100 \%$ | 0 | $0 \%$ | 25 | $100 \%$ | 0 | $0 \%$ |
| 55 | $100 \%$ | 1 | $2 \%$ | 54 | $98 \%$ | 0 | $0 \%$ |
| 512 | $100 \%$ | 18 | $4 \%$ | 494 | $96 \%$ | 0 | $0 \%$ |
| 1271 | $100 \%$ | 2 | $0 \%$ | 1269 | $100 \%$ | 0 | $0 \%$ |
| 1071 | $83 \%$ | 303 | $28 \%$ | 710 | $66 \%$ | 58 | $5 \%$ |
| 661 | $98 \%$ | 19 | $3 \%$ | 632 | $96 \%$ | 10 | $2 \%$ |
| 79 | $96 \%$ | 6 | $8 \%$ | 73 | $92 \%$ | 0 | $0 \%$ |
| 127 | $100 \%$ | 1 | $1 \%$ | 125 | $98 \%$ | 1 | $1 \%$ |
| 4420 | $100 \%$ | 726 | $16 \%$ | 3252 | $74 \%$ | 442 | $10 \%$ |

EMR MR elemination status up to December 31, 2021


