COVID-19
Eastern Mediterranean Region

23 April 2020
Global update of COVID-19 outbreak
21 April 2020 (6:00 pm)

Cumulative
Total confirmed: 2,397,216
Total deaths: 162,956 (6.8%)
212 countries/territories affected
USA: 751,253
Spain: 200,210
Italy: 181,228
Proportion of COVID-19 cases with case report form (CRF) entered in EMFLU, EMR, excluding IR Iran, until 18 April 2020

<table>
<thead>
<tr>
<th>Country</th>
<th>Total confirmed cases</th>
<th>CRF</th>
<th>% of reported CRF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Libya</td>
<td>49</td>
<td>47</td>
<td>96%</td>
</tr>
<tr>
<td>Lebanon</td>
<td>672</td>
<td>629</td>
<td>94%</td>
</tr>
<tr>
<td>Egypt</td>
<td>2844</td>
<td>2506</td>
<td>88%</td>
</tr>
<tr>
<td>Syrian Arab Republic</td>
<td>38</td>
<td>33</td>
<td>87%</td>
</tr>
<tr>
<td>Oman</td>
<td>1180</td>
<td>1019</td>
<td>86%</td>
</tr>
<tr>
<td>Jordan</td>
<td>407</td>
<td>298</td>
<td>73%</td>
</tr>
<tr>
<td>Kuwait</td>
<td>1751</td>
<td>1170</td>
<td>67%</td>
</tr>
<tr>
<td>Iraq</td>
<td>1482</td>
<td>306</td>
<td>21%</td>
</tr>
<tr>
<td>Afghanistan</td>
<td>908</td>
<td>42</td>
<td>5%</td>
</tr>
<tr>
<td>Morocco</td>
<td>2670</td>
<td>109</td>
<td>4%</td>
</tr>
<tr>
<td>occupied Palestinian territory</td>
<td>313</td>
<td>10</td>
<td>3%</td>
</tr>
<tr>
<td>Djibouti</td>
<td>732</td>
<td>3</td>
<td>0%</td>
</tr>
<tr>
<td>Saudi Arabia</td>
<td>8274</td>
<td>28</td>
<td>0%</td>
</tr>
<tr>
<td>Tunisia</td>
<td>864</td>
<td>2</td>
<td>0%</td>
</tr>
<tr>
<td>Pakistan</td>
<td>7638</td>
<td>17</td>
<td>0%</td>
</tr>
<tr>
<td>United Arab Emirates</td>
<td>6302</td>
<td>13</td>
<td>0%</td>
</tr>
<tr>
<td>Qatar</td>
<td>5008</td>
<td>1</td>
<td>0%</td>
</tr>
<tr>
<td>Bahrain</td>
<td>1767</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Somalia</td>
<td>116</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Sudan</td>
<td>66</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Yemen</td>
<td>5</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td>Bahrain</td>
<td>1</td>
<td>0</td>
<td>0%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>43082</strong></td>
<td><strong>6233</strong></td>
<td><strong>14%</strong></td>
</tr>
</tbody>
</table>

Average 14%
Daily distribution of COVID-19 cases and deaths in EMR countries
29 January – 18 April 2020 (n = 124,242)
Weekly change in COVID-19 cases in EMR countries
28 January – 18 April 2020

EMR (n=124,242)

Iran (n=80,868)

EMR excl. Iran (n=43,374)

Source: aggregate reporting
Weekly change in COVID-19 deaths in EMR countries
28 January – 18 April 2020

EMR (n=5,892)

Iran (n=5,031)

EMR excl. Iran (n=861)

Source: aggregate reporting
Age and sex distribution of COVID-19 cases and deaths reported in EMR CRF 28 January – 18 April, 2020

COVID-19 Cases
n=6,153

COVID-19 Deaths
n= 215
Outcomes by Number of Comorbidities
28 January – 18 April, 2020

0 Comorbidity (n=4,122)
- %92 Admitted
- %3 Discharged
- %5 Died

1 Comorbidity (n=364)
- %86 Admitted
- %13 Discharged

>1 Comorbidity (n=168)
- %83 Admitted
- %17 Discharged
- %0 Discharged

Source = EMFLU
Distribution of HCW among COVID-19 cases in EMR, 28 January – 18 April, 2020

**EMFLU**

- All EMR (n=6233) - 340
- Egypt (n=2506) - 305
- Libya* (n=47) - 2
- Iraq (n=306) - 10
- Afghanistan (n=42) - 1
- Kuwait* (n=1170) - 22

**Aggregate Reports**

- All EMR (n=80868) - 212
- Somalia (n=135) - 15
- Tunisia (n=866) - 88
- Iraq (n=1513) - 70
- Afghanistan (n=933) - 30
- occ. Palestine (n=313) - 7
- Jordan (n=413) - 1
- Morocco (n=2685) - 1

* Includes 1 health laboratory worker

3 HCWs in Egypt have died
Number of reported cases and deaths continue to drop in Iran for 2\textsuperscript{nd} and 3\textsuperscript{rd} week in a row, respectively

Excluding Iran, there’s a 49\% increase in number of new cases reported this week
- Somalia (↑ 714\%), Djibouti (↑ 301\%) and Sudan (↑ 422\%) had largest spike in cases
- Iraq (↓ 56\%), Lebanon (↓ 47\%) and Jordan (↓ 45\%) had largest drop in cases

Prevalence of multiple comorbidities among COVID cases is 3\%, consistent with findings from Africa (10\% in Europe)

CVD is most common comorbidity among ages 45+ and chronic lung disease is most common comorbidity among children <14 years

Egypt, Somalia and Tunisia report 10–12\% of their COVID cases among HCWs
Transition: guided by public health principles, economic and societal considerations

1. Evidence COVID-19 transmission is controlled.

2. Sufficient public health and medical capacities are in place.

3. Outbreak risks in special settings are minimized.

4. Importation risks can be managed.

5. Communities are aware, participate and engaged in the transition.

Highest level of sustainability and lowest negative consequence – introduced first and removed last.

Measures could be relaxed in a step-wise manner (for example leaving at least 2 weeks in-between).

The modulation could be progressive for movement restrictions.

Protection of the vulnerable population – central to the decision to maintain or relax a measure.
Maintaining Essential Health Services During COVID-19

● Problem
  - Overwhelmed health system
  - Reduced health workforce
  - Increased direct & indirect mortality, e.g. Ebola

● Central component of national COVID-19 strategy plan

1. Purpose-designed governance and coordination
2. Context-relevant essential services
3. Service delivery settings and platforms and
4. Effective patient flow (screening, triage and targeted referral)
5. Re-distribute health workforce capacity
6. Maintain availability of essential medication, equipment and supplies