Maintaining essential health services during COVID-19

Jaume Benavent
Consorci d’Atenció Primària de Salut Barcelona Esquerra
Maintaining primary care services in COVID-19 context. The experience of Catalonia
First months (March, April, May)

- Ignorance, fears, doubts,…
- No diagnostic tests
- No therapeutic solutions
- No personal protective equipment
- Lack of professionals (15-25% were ill or in quarantine)
- High demand of patients suspicious of being infected by SARS-COV2
- Nursing home crisis (high impact and mortality)

- Changing the model: from face to face to telematic care
- Priorities:
  - Taking care of mild COVID patients
  - Protecting professionals and patients
  - Home care and end of life processes
- Telematic control of stable chronic diseases
Second stage (June, July, August)

- Increased knowledge of the illness
- More diagnostic means (PCR, lung ultrasound, blood tests)
- Improved capacity to select patients needing hospital care
- Enough individual protective equipments
- Return of professionals
- Nursing homes intervention
- Diminishing incidence of pandemic

- We maintain non face to face care
- Priorities:
  - Protecting professionals (fatigue, burn-out, ...)
  - Protecting patients
  - Home care and end of life care
  - Regaining chronic diseases follow up
  - Regaining face to face care
  - Nursing homes health care
Third stage (September, October)

- Schools re-open
- Tracking up contacts and PCRs
- Improved diagnostic means (quick antigenic test)
- High workloads and lack of professionals (specially nurses)
- Strengthening primary care teams with non sanitary professionals

- Re-thing non-face to face care limits

Priorities:
- Protecting professionals (tiredness, burn-out,
- Protecting patients
- Home care and end of life care
- Regaining chronic diseases follow up
- Regaining face to face care
- Nursing homes health care
Workloads!

Monthly PCR

TOTAL ACTIVITY
Concluding remarks: positives and negatives

- **Positives**
  - Telematic care has rapidly evolved
  - Decreased bureaucratic workloads
  - Some patients are very satisfied
  - Population’s solidarity
  - We have enhanced added value activities
  - Rapid adaption of professionals to new situations. Increased team cohesion and more autonomy
  - New professional profiles (COVID managers, COVID and school reference profiles)
  - Some innovations and transformation projects have speed up

- **Negatives**
  - Professionals feel tired and sad
  - Some patients have not adapted well to changes
  - Population’s solidarity is diminishing
  - We have yet regained some essential activities (ex: School vaccination programs)
  - We are not doing some chronical diseases following up controls (ex: diabetic foot controls)
  - We have diagnosed less cancers
  - We are demanding less diagnostic tests than necessary
  - We are referring less patients to hospitals than necessary
<table>
<thead>
<tr>
<th>Country</th>
<th>14-day attack rate /10^6 inh.</th>
<th>Active cases (last 14 days)</th>
<th>Attack rate /10^3 inh.</th>
<th>Cumulative cases</th>
<th>Mortality /10^3 inh.</th>
<th>Cumulative deaths</th>
<th>( \rho_7 )</th>
<th>EPG(7)</th>
<th>Biocov degree</th>
</tr>
</thead>
<tbody>
<tr>
<td>Czech Republic</td>
<td>1,316.5</td>
<td>140,987</td>
<td>2,410.1</td>
<td>258,097</td>
<td>20.6</td>
<td>2,201</td>
<td>1.35</td>
<td>1,773</td>
<td>9</td>
</tr>
<tr>
<td>Belgium</td>
<td>1,265.4</td>
<td>146,653</td>
<td>2,769.2</td>
<td>320,937</td>
<td>93.3</td>
<td>10,810</td>
<td>1.04</td>
<td>1,322</td>
<td>9</td>
</tr>
<tr>
<td>Luxembourg</td>
<td>773.8</td>
<td>8,844</td>
<td>2,265.1</td>
<td>14,204</td>
<td>32.2</td>
<td>1,45</td>
<td>2.39</td>
<td>1,848</td>
<td>9</td>
</tr>
<tr>
<td>Slovenia</td>
<td>687.1</td>
<td>14,285</td>
<td>1,103.9</td>
<td>22,950</td>
<td>8.8</td>
<td>183</td>
<td>1.82</td>
<td>1,248</td>
<td>9</td>
</tr>
<tr>
<td>Netherlands</td>
<td>679.8</td>
<td>116,475</td>
<td>1,697.9</td>
<td>290,925</td>
<td>41.1</td>
<td>7,036</td>
<td>1.12</td>
<td>763</td>
<td>9</td>
</tr>
<tr>
<td>France</td>
<td>618.2</td>
<td>403,533</td>
<td>1,744.2</td>
<td>1,138,507</td>
<td>53.3</td>
<td>34,761</td>
<td>1.33</td>
<td>820</td>
<td>9</td>
</tr>
<tr>
<td>Liechtenstein</td>
<td>595.2</td>
<td>227</td>
<td>957.1</td>
<td>365</td>
<td>2.6</td>
<td>1</td>
<td>1.55</td>
<td>921</td>
<td>9</td>
</tr>
<tr>
<td>Switzerland</td>
<td>497.9</td>
<td>43,093</td>
<td>1,193.8</td>
<td>103,323</td>
<td>21.7</td>
<td>1,876</td>
<td>1.63</td>
<td>810</td>
<td>9</td>
</tr>
<tr>
<td>Slovakia</td>
<td>439.4</td>
<td>23,992</td>
<td>803.0</td>
<td>43,843</td>
<td>2.9</td>
<td>159</td>
<td>1.24</td>
<td>544</td>
<td>9</td>
</tr>
<tr>
<td>United Kingdom</td>
<td>357.8</td>
<td>270,084</td>
<td>1,287.2</td>
<td>873,000</td>
<td>66.5</td>
<td>44,896</td>
<td>1.19</td>
<td>475</td>
<td>9</td>
</tr>
<tr>
<td>Spain</td>
<td>393.4</td>
<td>185,020</td>
<td>2,224.6</td>
<td>1,046,312</td>
<td>73.5</td>
<td>34,752</td>
<td>1.30</td>
<td>511</td>
<td>9</td>
</tr>
<tr>
<td>Croatia</td>
<td>388.3</td>
<td>15,940</td>
<td>886.2</td>
<td>36,380</td>
<td>10.6</td>
<td>437</td>
<td>1.71</td>
<td>666</td>
<td>9</td>
</tr>
<tr>
<td>Malta</td>
<td>361.7</td>
<td>1,597</td>
<td>1,216.9</td>
<td>5,373</td>
<td>11.3</td>
<td>50</td>
<td>1.35</td>
<td>490</td>
<td>9</td>
</tr>
<tr>
<td>Poland</td>
<td>337.9</td>
<td>127,872</td>
<td>670.3</td>
<td>253,688</td>
<td>41.7</td>
<td>4,438</td>
<td>1.39</td>
<td>471</td>
<td>9</td>
</tr>
<tr>
<td>Portugal</td>
<td>314.0</td>
<td>32,022</td>
<td>1,164.0</td>
<td>118,686</td>
<td>22.7</td>
<td>2,316</td>
<td>1.23</td>
<td>386</td>
<td>9</td>
</tr>
<tr>
<td>Ireland</td>
<td>295.7</td>
<td>14,600</td>
<td>1,137.0</td>
<td>57,128</td>
<td>38.1</td>
<td>1,882</td>
<td>0.97</td>
<td>286</td>
<td>9</td>
</tr>
<tr>
<td>Austria</td>
<td>294.8</td>
<td>26,533</td>
<td>916.4</td>
<td>82,836</td>
<td>10.9</td>
<td>984</td>
<td>1.54</td>
<td>454</td>
<td>9</td>
</tr>
<tr>
<td>Romania</td>
<td>282.6</td>
<td>54,365</td>
<td>1,083.8</td>
<td>209,648</td>
<td>33.2</td>
<td>6,391</td>
<td>1.14</td>
<td>322</td>
<td>9</td>
</tr>
<tr>
<td>Italy</td>
<td>282.5</td>
<td>170,832</td>
<td>869.6</td>
<td>525,782</td>
<td>61.8</td>
<td>37,338</td>
<td>1.60</td>
<td>451</td>
<td>9</td>
</tr>
<tr>
<td>Iceland</td>
<td>270.2</td>
<td>922</td>
<td>1,303.4</td>
<td>4,448</td>
<td>3.2</td>
<td>11</td>
<td>0.74</td>
<td>201</td>
<td>9</td>
</tr>
<tr>
<td>Hungary</td>
<td>237.9</td>
<td>22,986</td>
<td>637.3</td>
<td>61,563</td>
<td>15.2</td>
<td>1,472</td>
<td>1.38</td>
<td>329</td>
<td>9</td>
</tr>
<tr>
<td>Bulgaria</td>
<td>194.1</td>
<td>13,487</td>
<td>545.3</td>
<td>37,889</td>
<td>15.7</td>
<td>1,094</td>
<td>1.49</td>
<td>288</td>
<td>9</td>
</tr>
<tr>
<td>Lithuania</td>
<td>149.2</td>
<td>4,062</td>
<td>374.1</td>
<td>10,356</td>
<td>4.9</td>
<td>134</td>
<td>1.58</td>
<td>236</td>
<td>9</td>
</tr>
<tr>
<td>Denmark</td>
<td>137.0</td>
<td>7,934</td>
<td>969.7</td>
<td>40,356</td>
<td>12.1</td>
<td>702</td>
<td>1.47</td>
<td>201</td>
<td>9</td>
</tr>
<tr>
<td>Germany</td>
<td>134.3</td>
<td>112,535</td>
<td>522.6</td>
<td>437,866</td>
<td>12.0</td>
<td>10,096</td>
<td>1.53</td>
<td>206</td>
<td>9</td>
</tr>
<tr>
<td>Cyprus</td>
<td>129.1</td>
<td>1,559</td>
<td>293.6</td>
<td>3,545</td>
<td>2.1</td>
<td>25</td>
<td>1.39</td>
<td>179</td>
<td>9</td>
</tr>
<tr>
<td>Latvia</td>
<td>106.5</td>
<td>2,008</td>
<td>248.0</td>
<td>4,678</td>
<td>3.0</td>
<td>56</td>
<td>1.45</td>
<td>155</td>
<td>8</td>
</tr>
<tr>
<td>Sweden</td>
<td>104.2</td>
<td>10,519</td>
<td>1,095.1</td>
<td>110,594</td>
<td>58.7</td>
<td>5,933</td>
<td>0.91</td>
<td>95</td>
<td>7</td>
</tr>
<tr>
<td>Greece</td>
<td>80.8</td>
<td>8,424</td>
<td>295.3</td>
<td>30,782</td>
<td>5.5</td>
<td>574</td>
<td>1.58</td>
<td>127</td>
<td>7</td>
</tr>
<tr>
<td>Finland</td>
<td>59.0</td>
<td>3,268</td>
<td>168.0</td>
<td>14,848</td>
<td>6.4</td>
<td>553</td>
<td>0.94</td>
<td>56</td>
<td>4</td>
</tr>
<tr>
<td>Estonia</td>
<td>41.2</td>
<td>546</td>
<td>132.5</td>
<td>4,431</td>
<td>5.5</td>
<td>73</td>
<td>1.44</td>
<td>59</td>
<td>4</td>
</tr>
<tr>
<td>Norway</td>
<td>37.1</td>
<td>2,011</td>
<td>317.9</td>
<td>17,232</td>
<td>5.1</td>
<td>279</td>
<td>1.17</td>
<td>43</td>
<td>4</td>
</tr>
</tbody>
</table>

**Colour scale**

- >150.0: Worst
- >100.0: Worst
- >50.0: Worst
- >0.0: Best
- >150: Best

---

The virus is winning the battle! ...

Hopefully not the war!
CONTACT

Dr. Jaume Benavent
CAPSBE
www.capsbe.cat
jbenave@clinic.cat
@CAPSBEsq