COVID-19 and HIV: Lessons learned from healthcare workers around the world

The experience in Mexico City

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COVID-19: CASOS POR ENTIDAD FEDERATIVA
19/04/2020

Número de Casos Positivos

- 1 a 50 (4 Estados)
- 51 a 100 (9 Estados)
- 101 a 250 (12 Estados)
- 251 a 500 (4 Estados)
- 501 a 1000 (2 Estados)
- 1001 a 3000 (1 Estado)

- CONFIRMADOS: 8,261
- SOSPECHOSOS: 10,139
- NEGATIVOS: 31,170
- DEFUNCIONES: 686
- PERSONAS ESTUDIADAS: 49,570

MÉXICO, COVID-19: Curva Epidémica de Casos Acumulados e Incidentes, al 19/04/2020

Fuentes: SSA/DGEP/DGSE/PHORE/Informe Técnico COVID-19/México-19 de abril 2020 (10:45 h)
COVID-19: DISTRIBUCIÓN DE CASOS CONFIRMADOS POR TIPO DE PACIENTE Y GRUPO DE EDAD, 17/04/2020

65% ambulatory. 10% hospitalized, stable. 20% severe disease. 5% intubated
Why is it a big problem for the HS in Mexico?

- 22 million people live in Mexico City
  - If 20% get infected → 4’400,000
  - 15% will need hospitalized → 660,000
  - Will need a bed in the ICU ~ 220,000 (in 1-3 month)

- Latin America has around 1-4 beds/1000 habitants (Mexico 2.7)
- 1200 beds in the ICU and will be extended in the next week to 5000
  - Human resources: 1000 critical care specialists, 900 ID specialists
- Europa has between 4 - 7 beds/1000 habitants

1st March: our Institute turned into a COVID19 site only
HIV Clinic

- 2300 active patients
- In 3 weeks:
  - Reach out to all patients as possible:
    - Pick up ARV (3 months)
    - Selected stable patients to reschedule clinical visit (>July)
    - Flyers in web page and social media to inform *what to do, who to call*, etc.

- COVID19-VIH guidelines for patients
  - Isolation recommendations, signs of alarm to go to hospital, online mental health support, support in case of domestic violence during shot down, etc
Major Challenge:

- What to do with those in need for hospitalization (non-COVID19)?

  - Funders/Donors
    - 20 beds in a privat Hospital (2 Institutes of Health and Clinca Condesa)
      - 16 km away: private transportation
      - A team of 4 HCW every day from the 2 Institutes
      - For free; ART, VL and CD4 will be provided by the HIV program
<table>
<thead>
<tr>
<th></th>
<th>Current Status: HIV</th>
<th>ART</th>
<th>COMORBIDITIES</th>
<th>Status: COVID19</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>48 yo</td>
<td>BIC/FTC/TAF</td>
<td>Unknown</td>
<td>-Ambulatory</td>
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<tr>
<td></td>
<td>VL &lt; 39 copies (12/2019)</td>
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<td>CD4: 952 (08/2019)</td>
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<td>2</td>
<td>59 yo</td>
<td>BIC/FTC/TAF</td>
<td>- Urinary bladder cancer</td>
<td>-Hospitalized for 5 days</td>
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<td>(11/2019)</td>
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<td>VL &lt; 40 copies</td>
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<td>CD4: 250</td>
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<td>(31/03/2020)</td>
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<td>CV: &lt; 40 copies</td>
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<td>CD4: 179 12%</td>
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<td>3</td>
<td>39 yo</td>
<td>3TC/DTG</td>
<td>- TB meningitis</td>
<td>-Hospitalized for 4 days</td>
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<td></td>
<td>(04/11/2019)</td>
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<td>- Renal insufficiency</td>
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<td>VL &lt; 40 copies</td>
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<td>- Dislipidemia</td>
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<td>CD4: 376 31%</td>
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<tr>
<td>4</td>
<td>30 yo</td>
<td>BIC/FTC/TAF</td>
<td>- No</td>
<td>-Hospitalized for 10 days</td>
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<td>VL &lt; 40 copies</td>
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<td>CD4: 1378 36%</td>
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<tr>
<td>5</td>
<td>46 yo</td>
<td>EFV/TDF/FTC</td>
<td>- Dislipidemia</td>
<td>-Hospitalized in UCI</td>
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<td>(10/01/2020)</td>
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<td>VL &lt; 40 copies</td>
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<td>CD4: 752 27%</td>
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*No specific treatment for COVID19, unless as part of a RCT*  

www.iasociety.org
• Dr. Juan Sierra
• Dr. Alvaro López
• Dr. Yamile Serrano
• Dr. Cristian Espejo
• Dr. Lorena Guerrero
• Psi. Jessica Mejía
• Psi. Atenea Álvarez
• Nurse Audelia Alanis
• Staff HIV Clinic INCMNSZ
• Staff HIV Clinic INER
• Patients
• Community

All those at the front lines here and around the world…