



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

The experience in Mexico City

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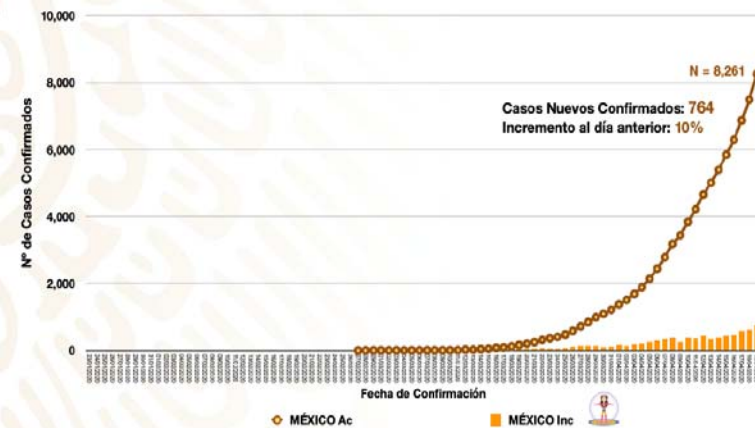
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COVID-19: CASOS POR ENTIDAD FEDERATIVA 19/04/2020



Fuente: SSA(SPPS/DGE/DIE/InDRE)/Informe técnico.COVID-19 /México-19 de abril 2020 (corte 14:30h)

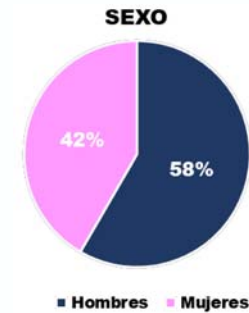
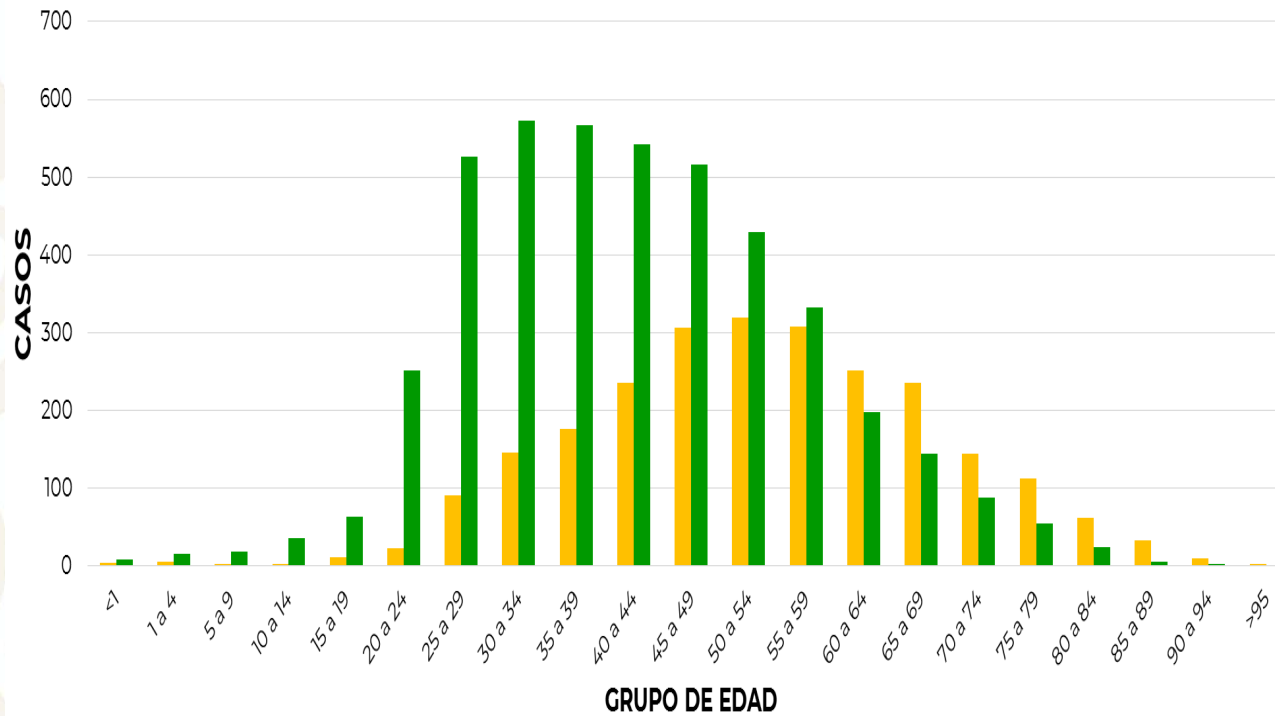
MÉXICO, COVID-19: Curva Epidémica de Casos Acumulados e Incidentes, al 19/04/2020



Fuente: SSA(SPPS/DGE/DIE/InDRE)/Informe técnico.COVID-19 /México-19 de abril 2020 (corte 14:00hrs)



COVID-19: DISTRIBUCIÓN DE CASOS CONFIRMADOS POR TIPO DE PACIENTE Y GRUPO DE EDAD, 17/04/2020



n=6,875

LETALIDAD EN CASOS CONFIRMADOS

8.30

LETALIDAD ESTIMADA

1.23

N° Defunciones: 686

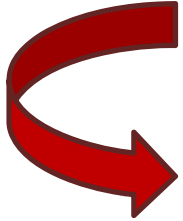
Fuente: SSA(SPPS/DGE/DIE/IndRE/Informe técnico.COVID-19 /México-17 de abril 2020 (corte 14:30h)

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 hospitalizaed → 660,000
 - Will need a bed in tghe 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



HIV Clinic

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 Clinica 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



HIV positive patients with COVID19

Overall: 447 +

| | Current Status: HIV | ART | COMORBIDITIES | Status: COVID19 |
|---|---|-------------|---|---|
| 1 | 48 yo VL < 39 copies (12/2019) CD4: 952 (08/2019) | BIC/FTC/TAF | Unknown | -Ambulatory |
| 2 | 59 yo (11/2019) VL < 40 copies CD4: 250 (31/03/2020) CV: < 40 copies CD4: 179 12% | BIC/FTC/TAF | - Urinary bladder cancer | -Hospitalized for 5 days - Good clinical condition |
| 3 | 39 yo (04/11/2019) VL < 40 copies CD4: 376 31% | 3TC/DTG | - TB meningitis - Renal insuficiency - Dislipidemia | -Hospitalized for 4 days - Good clinical condition |
| 4 | 30 yo (14/11/2019) VL < 40 copies CD4: 1378 36% | BIC/FTC/TAF | - No | -Hospitalized for 10 days -Recieved ATB + Oseltamivir + HCQ - Good clinical condition |
| 5 | 46 yo (10/01/2020) VL < 40 copies CD4: 752 27% | EFV/TDF/FTC | - Disipidemia | -Hospitalized in UCI Oseltamivir, CRO, Azitromicina, Cloroquina |



- 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...

