Impact of COVID19 pandemic on HIV care in Mexico City

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1. Mexican Health System
2. HIV epidemic in Mexico
3. HIV testing and new HIV cases
4. COVID-19 pandemic in Mexico
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MEXICAN HEALTH SYSTEM
**Mexican Health System**

**Sector**
- Social Security
- Public
  - Ministry of Health
- Private
  - Government
  - States Government
  - Households
  - Employer

**Funds**
- Government
- Employer
- Worker
- Federal Government
- States Government
- Households
- Employer

**Buyers**
- IMSS
- PEMEX
- ISSSTE
- SEDENA
- MARINA
- Ministry of Health
- Self-employed and unemployed
  - Informal sector workers
- Private insurance

**Users**
- Workers
- Worker’s family
- Retiree
- People who can afford private insurance

Mexican Health System

 Sector

Public

Ministry of Health

Private

Funds

Government

Employer

Worker

Federal Government

States Government

Households

Employer

Buyers

IMSS

PEMEX

ISSSTE

SEDENA

MARINA

Ministry of Health

Self-employed and unemployed
Informal sector workers

People who can afford private insurance

Users

Workers

Worker’s family

Retiree

PLWH who know their status

26%

73%

<1%

HIV EPIDEMIC IN MEXICO
Current situation of the HIV epidemic in Mexico

NATIONAL
179,640 people living with HIV registered by Ministry of Health

56% with ART

102,288 people with ART with active status in the Ministry of Health
1º trimester 2020

2.42%

100,409 people with ART with active status in the Ministry of Health
2019

2.27%

Late ART initiation 36%

• 99,811 people with ART with active status in the Ministry of Health
2º trimester 2020.

54% with ART

*Epidemic concentrated in MSM, Sex workers, TG population

Boletín de Atención Integral de Personas que viven con VIH. Volumen 6 N. 1/Enero-Marzo 2020. CENSIDA. México
Boletín de Atención Integral de Personas que viven con VIH. Volumen 7 N. 2/Abril-Junio 2020. CENSIDA. México
HIV TESTING AND NEW CASES
HIV testing and New HIV cases: Mexico

HIV tests in Mexico per trimester

New HIV cases: Mexico

Boletín de Atención Integral de Personas que viven con VIH. Volumen 6 N. 1/Enero-Marzo 2020. CENSIDA. México
Boletín de Atención Integral de Personas que viven con VIH. Volumen 7 N. 2/Abril-Junio 2020. CENSIDA. México
HIV testing and New HIV cases: Mexico City

**HIV tests in Mexico City per year**

*Includes HIV testing at Condesa Clinics*

**Mexico City**

*Data up to March 13th, 2020*
COVID19 IN MEXICO
Current situation of the COVID-19 pandemic

As of 09/06/2020:

Mexico

- CONFIRMED: 634,023
- ACTIVE: 29,776
- DEATHS: 67,558

No. of cases per week

- February 27th: 1st case reported
- March 23rd: Local transmission
- Mid-march: INCMNSZ and INER COVID-19 only hospitals
- March 16th: CEC temporary suspension of consults
- April 21st: Country lockdown
- May 30th: Country reopening

Current situation of the COVID-19 pandemic: Mexico City

Confirmed SARS-CoV-2 infection in PLWH: 524 (0.49%) Deaths: 61 (12%)
MoH: 291 cases with 18 deaths

As of 09/06/2020:

- **CONFIRMED**: 104,981
- **ACTIVE**: 5,247
- **DEATHS**: 8,701
ACTIONS TAKEN
HIV care: actions taken since March 2020

- ART multi month dispensing (4-6 months)
- Prioritize admission and re-admission of patients
- Temporary suspension of viral load and CD4 count determination, except in specific cases (pregnancy, VF, coinfection)
- Temporal stop of consults to patients with undetectable VL and CD4 cell counts >200; initiated virtually in July.
Situation of HIV patients in Mexico City: CEC

<table>
<thead>
<tr>
<th>Year</th>
<th>New admissions</th>
<th>Re-admissions</th>
<th>Active cases</th>
<th>Lost to follow up</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>1625 patients</td>
<td>294 patients</td>
<td>14781 patients</td>
<td>654 patients</td>
</tr>
<tr>
<td>2020</td>
<td>1813 patients</td>
<td>535 patients</td>
<td>16444 patients</td>
<td>661 patients</td>
</tr>
</tbody>
</table>

12% 82% 11%

Data from SALVAR data base, includes: Condesa specialized Clinic, Condesa Iztapalapa Clinic, Manuel Gea González General Hospital, National Cancer Institute, National Institute of Neurology and Neurosurgery
HIV care: actions taken since March 2020

- Designated COVID-19 hospital only
- Outpatient facilities were closed
- ART multi month dispensing (3 months)
- Temporary suspension of VL and CD4 determination, except in certain patients
- Optional mental health virtual consults
- Clinical visits re-opened in August for certain patients

- Designated COVID-19 hospital only
- Outpatient facilities were closed
- ART multi month dispensing (3 month)
- Those with CD4 <200 were referred to Clínicas Condesa
- End of June, the collection of samples by appointment
- Start of telemedicine care (August 2020)
### Situation of HIV patients in Mexico City: INCMNSZ and CIENI

<table>
<thead>
<tr>
<th>Category</th>
<th>Data</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active cases</strong></td>
<td>- <strong>2056 patients</strong></td>
</tr>
<tr>
<td><strong>New admissions</strong></td>
<td>- <strong>12 patients</strong></td>
</tr>
<tr>
<td></td>
<td><em>2019 new admissions: 110 patients</em></td>
</tr>
<tr>
<td><strong>917 patients with VL (2020),</strong></td>
<td><strong>5% are no longer undetectable</strong></td>
</tr>
<tr>
<td><strong>Lost to follow up</strong></td>
<td>- <strong>62 patients</strong></td>
</tr>
</tbody>
</table>

**Lost to follow up (January-June 2020)**
- **101 patients**
  - 73 for stopping treatment
  - 16 suspensions due to change of site
  - 8 deaths

**2019**
- **1344 patients**
  - **101 patients**
  - **62 patients**
  - **110 patients**
Impact of the COVID-19 pandemic on other programs

- Temporary suspension of the program (March 2020)
- The ImPrEP Project and the "Let's Talk about PrEP" dialogue were suspended

HCV care program

- Temporary suspension of the program (March 2020)
  - Re-opening this September
- Diagnostic testing were suspended
HIV care: actions taken during COVID-19 pandemic in Mexico City

Collaboration CEC-INER-INCMNSZ

33 hospitalized patients (CSC 21, INER 5, INCMNSZ 5)

- Characteristics:
  - Median age: 36 years
  - Sex: 28 (90.3%) male, 2 (6.4%) TG female
  - CD4 cell count (n=28):
    - <200: 22 (79%) 
- Diagnosis: non-COVID-19 pneumonia (TB, PCP, Histo), fever (MAC, TB), diarrhea, UTI, SNC infection (Cripto, TB, VHS, neurosyphilis, toxoplasmosis), malignancy (KS, NHL)

- Deaths: 6 (19%)
CONCLUSIONS AND PERSPECTIVES
We will have to evaluate the impact of COVID19 pandemic in the HIV care in Mexico City in the short and long term.

We will need to think about creative strategies to increase the HIV testing (self-testing, community level, etc.) in the context of COVID19.

Active tracing: for patients LTFU.

Despite the health crisis, prevention programs need to be implemented. We need PREP!

Virtual consult and telemedicine are now part of the new reality.

Collaboration of all three institutions was very successful and will need to continue, to improve HIV care in Mexico City.
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• All our Patients

Dedicated to all HCW in Mexico City that we have lost because of COVID19