



October 11-13, 2022 | Barceló Sevilla Renacimiento







Clínica Especializada Condesa is an outpatient and community health unit dedicated to the care of PLWHA and key populations.





Clínica Condesa provides care in 2 municipalities at Mexico City: **Cuauhtémoc** and **Iztapalapa**.







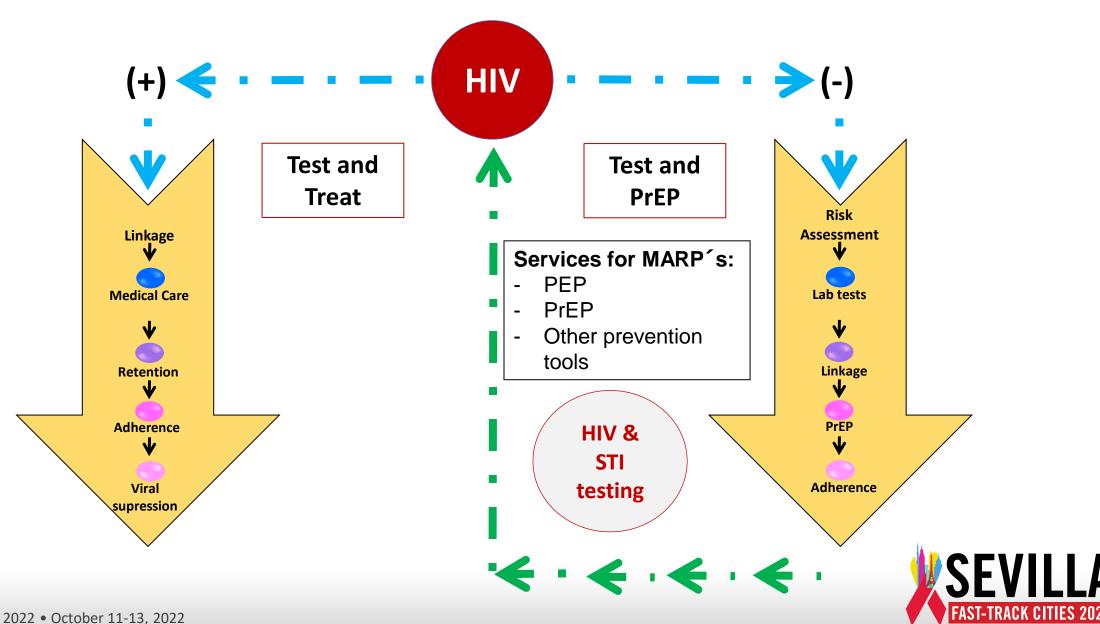


Differentiated care in key populations in the Mexico City HIV/AIIDS Program

Key population	Program		
High prevalence			
Male sex workers	"Punto Seguro"		
Transgender women	Comprehensive Transgender Clinic		
MSM	All programs por Men		
HIV discordant couples	Serodiscordant Couples Program		
Acute HIV infection	Acute HIV Infection Program		
MSM, Male sexworkers, Trasgender women and HIV discordant couples	Post-Exposure Prophylaxis (PEP) and Pre-Exposure Prophylaxis (PrEP)		
Low prevalence			
Women	Sexual and Reproductive Health and STIs		
Female sex workers	Sexual and Reproductive Health and STIs		
Pregnancy	Sexual and Reproductive Health, STIs, and MTCT Prevention		
Persons deprived of liberty	"Ponte a Prueba", Counseling, Opt-Out Testing and Treatment		
Socially marginalized people with drug use	Harm-reduction Programs		
Crystal consumers	Comprehensive Prevention in Methamphetamine Users		
Mexican migrants, refugees and returnees	"Clínica Santuario", Counseling, Opt-Out Testing and Treatment		
Survivors of sexual violence	Sexual and Reproductive Health, STIs, and PEP		



Test and Treat and Test and PrEP



Fact sheet

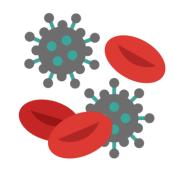
Clínicas Especializadas Condesa - December 31st, 2021



People HIV+ on treatment

23,035

Data includes Clínicas Especializadas Condesa, Gonzalez Hospital (GeaGonzalez), National Cancer Institute (INCAN), National Institute of Neurology Neurosurgery (INNyN), National Institute of Respiratory Diseases (INER), and National Institute of Medical Sciences and Nutrition (INCMNSZ)



Percentage of patients in virological control <1,000 copies/ml

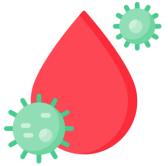
97.0%



Diagnostic testing and Counseling service

30,344

Jan - Dec 2021



New HIV diagnoses

3,827

Jan - Dec 2021



41,651

Accumulated since 2011



People on PrEP

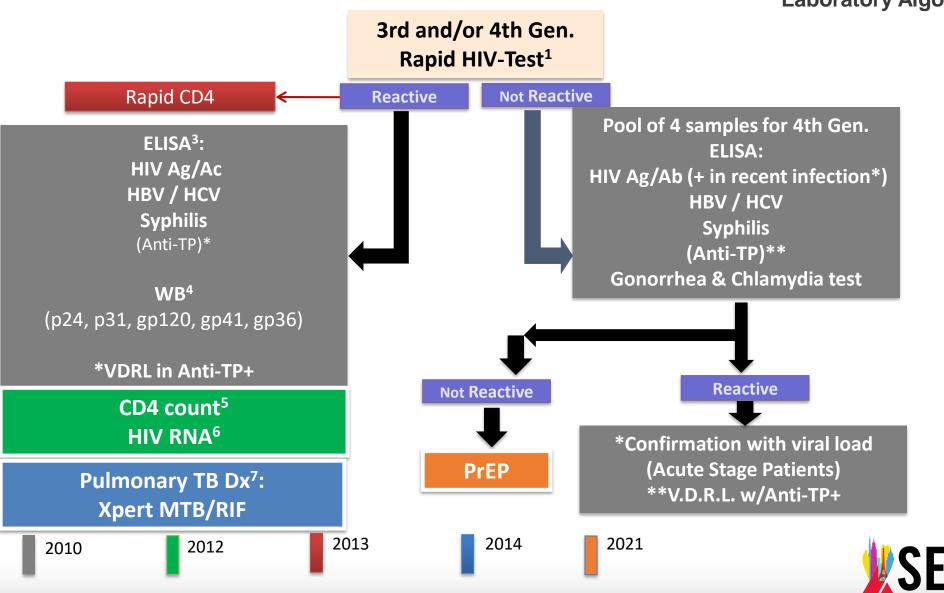
4,137

People who received PEP

1,386

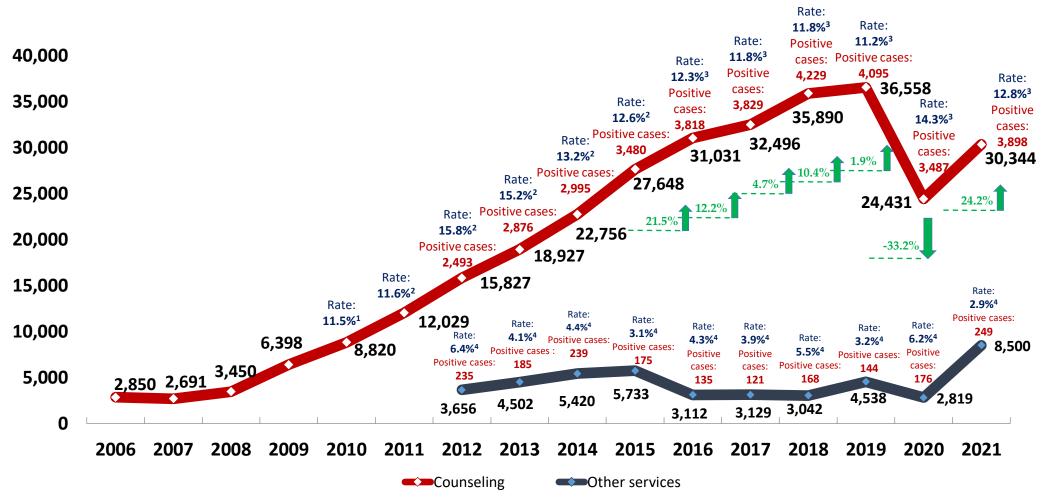






HIV tests applied at Clínica Especializada Condesa

December 31st, 2021



41,651
Accumulated positive results since

2020

National diagnosis reduction: 70%

VS

CDMX diagnosis

reduction: 33.2%

Source: Monitoring and Evaluation Unit of the Condesa Specialized Clinic



^{1.} Sum of tests performed on Men and Women among the total of Positives. Abstract THPE0288 "Towards the diagnosis of HIV / STIs in real time in the HIV / AIDS program of Mexico City". L. Juarez-Figueroa; J. Arellano; P Iracheta; A. Gonzalez. XVIII AIDS Conference.

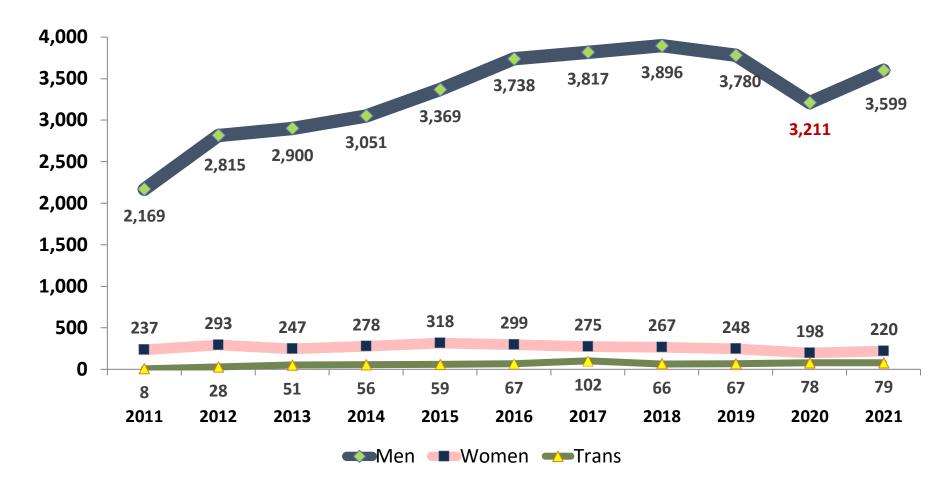
^{2.} Data 2011, 2012, 2013, 2014 and 2015: Information systems. Countess Specialized Laboratory. (Counseling and PPE)

^{3.} Data 2016 to 2021 Information systems. Condesa Specialized Laboratory, and Condesa Iztapalapa Specialized Laboratory (Counseling and PPE)

^{4.} Hospitals, Drug Users, Prisons, Transgender Clinic, PrEP, Sex Workers, Externs, Mosaic

Tests with positive results applied by Counseling* (by gender)

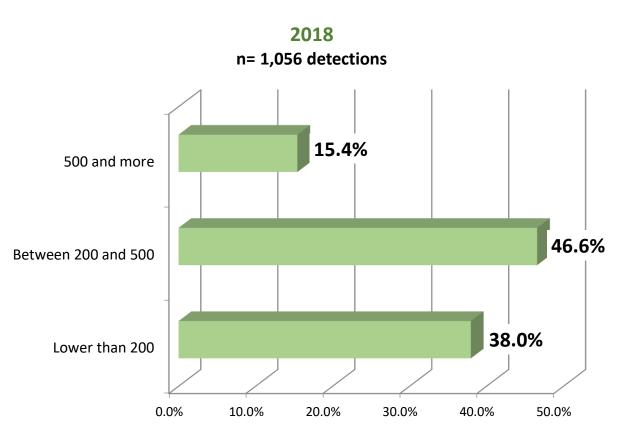
Clínicas Especializadas Condesa - December 31st, 2021

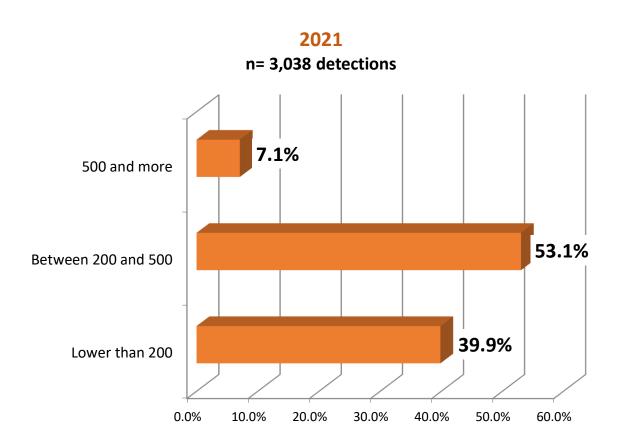


Source: Monitoring and Evaluation Unit of the Condesa Specialized Clinic, HAP System. *Test by Counseling and PEP

Diagnosed people**	21,149	3,826	24,975	15.3%
Tests performed*	26,446	3,898	30,344	12.8%
Test	Negatives	Positives	Total	% positives

CD4+ count at HIV Diagnosis 2018 vs 2021





Source: Monitoring and Evaluation Unit of the Condesa Specialized Clinic, HexaLIS System. 2021 - CIENI-INER Protocol NETWORKS 2019 and 2020 - Naive patients could not be determined



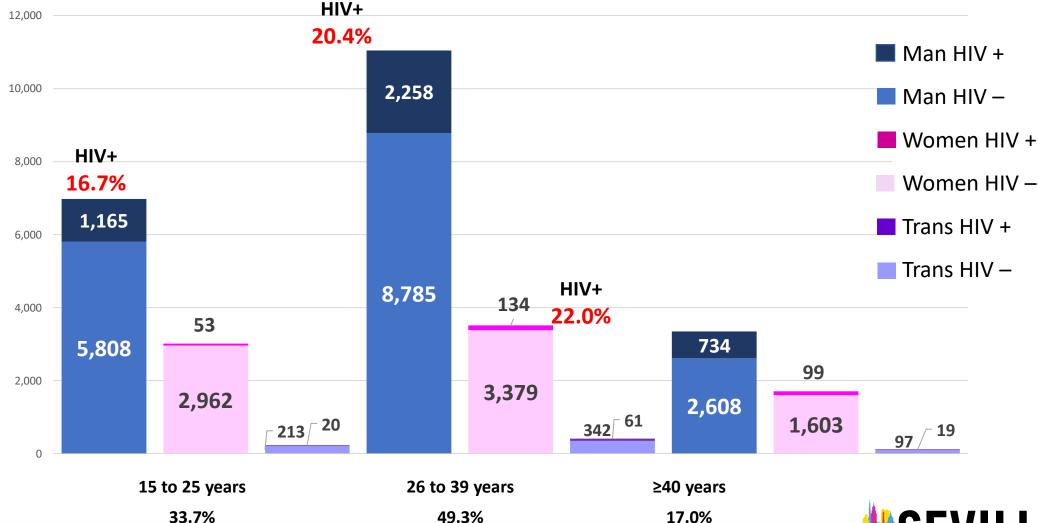
n= 21,358Men

n= 8,230 Women

n= 752
Trans Women

HIV outcomes in men* (by age groups)

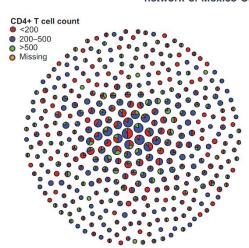
Clínicas Especializadas Condesa - December 31st, 2021





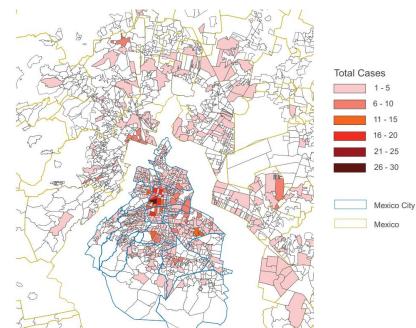
- The study allows the implementation of a Molecular-based Epidemiological Surveillance System, which generates information on the dynamics of HIV transmission in Mexico City, identifying transmission *clusters*, to focus strategies in geographic areas, aiming to improve HIV testing and continuum of care.
- 3,168 samples of people with HIV have been sequenced, of which 1,361 (36%) are associated with 386 transmission clusters that include from 2 to 14 individuals.

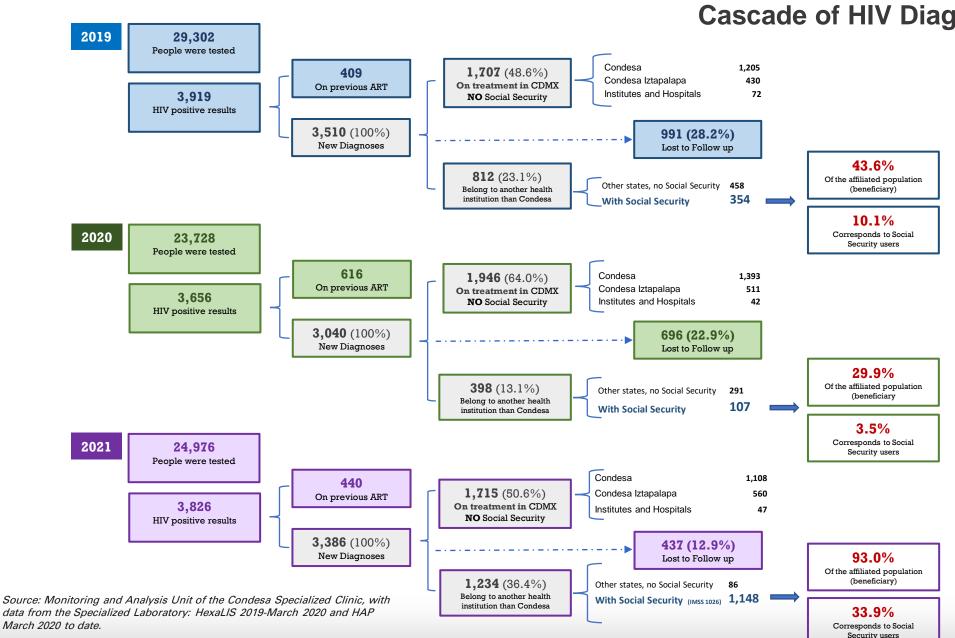
General characteristics of the HIV molecular network of Mexico City, 2019-2020



- 10 clusters with constant growth were identified, of which 7 involve only cisgender men, 2
- include men, and 1 made of cis men and cis women, as well as trans women, suggesting an intersectional growth in the risk of sexual exposure.
- HIV transmission in Mexico City is characterized by a predominance of young men who have sex with men with a high educational level and recent infection (high viral load and cd4 counts >200).

Dávila-Conn V et al. *Journal of the International AIDS Society* 2021, **24**:e25836 http://onlinelibrary.wiley.com/doi/10.1002/jia2.25836/full | https://doi.org/10.1002/jia2.25836





Cascade of HIV Diagnosis 2019-2021

NOTE: Since the end of March 2020, the specialized laboratory system includes the variable "Social Security Beneficiary" registered by the service applicant



Impact of the segmentation of the Healthcare System

Clínicas Especializadas Condesa, 2022

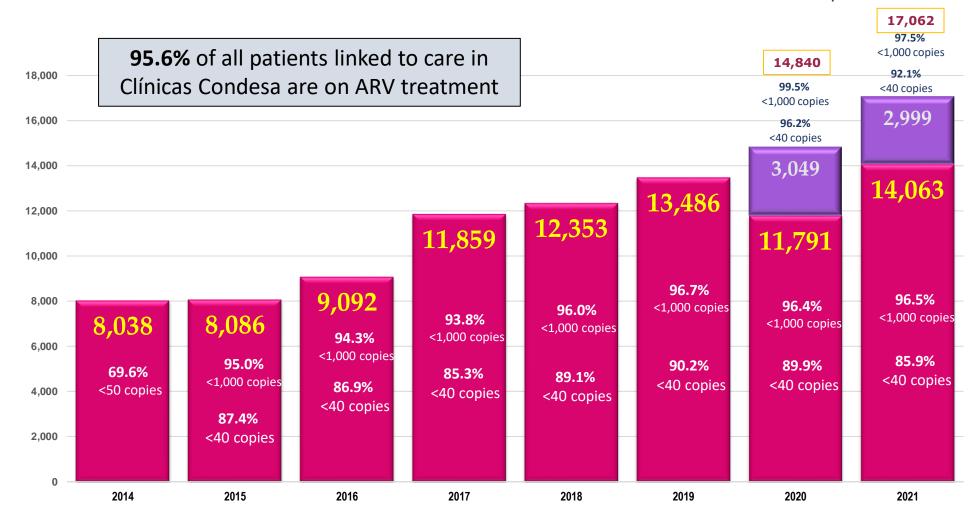
- In Mexico, people with formal employment or in the public education system receive medical care in Social Security institutions. Population without Social Security receives medical attention at the Ministry of Health.
- Social Security is not a permanent benefit; most of our population is young, so they frequently change health institutions.
- According to the information systems of the two most important institutions of Social Security, we calculate that each year **7,300 people become affiliated** → **36.5**% of patients in antiretroviral treatment at Clínicas Especializadas Condesa, **transit at some point of the year to a social security institution.**
- Social Security institutions do not measure the cascade indicators, user information is not shared, and there is no coordination to verify references (missing data).

36.5%
Of users
transit
between
health
institutions



Patients on ART for 6 months or more without Social Security

Clínicas Especializadas Condesa, 2014 - 2021



■ Clínicas Condesa

■ INER and INCMNSZ

Source: Monitoring and Analysis Unit of the Condesa Specialized Clinic, with data from the SALVAR System

- National Institute of Respiratory Diseases (INER)
- National Institute of Medical Sciences and Nutrition (INCMNSZ)

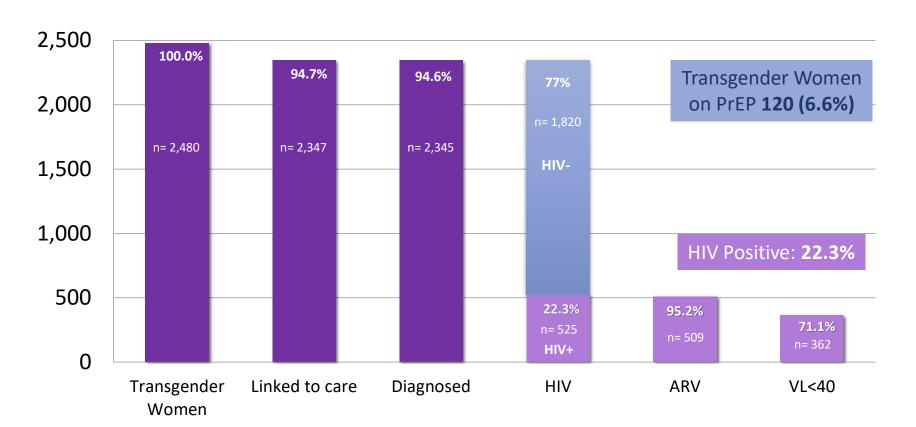


Cascade of HIV Care 2009-2022 in Transgender Women

Clínicas Especializadas Condesa - Transgender Center

Transgender Women n= 2,480



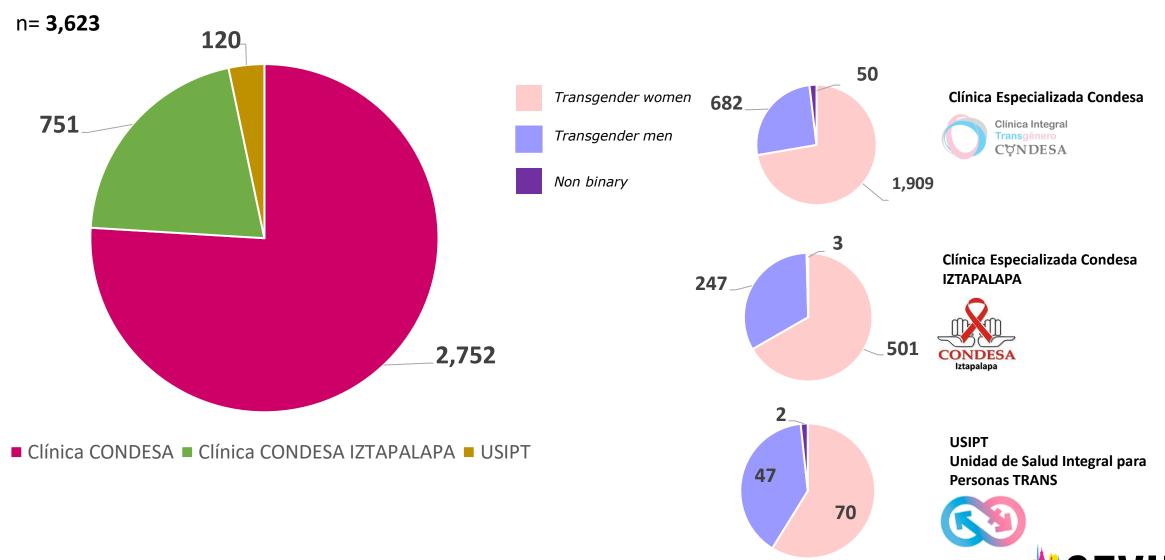


Non-adherence to HIV treatment and hormonal therapy has been observed during the COVID-19 pandemic

Source: Monitoring and Analysis Unit of the Condesa Specialized Clinic, with data from the Center for Care of Transgender People CEC, CECI & USIPT, 2022



Transgender population in Mexico City



Source: Monitoring and Analysis Unit of the Condesa Specialized Clinic, with data from the Center for Care of Transgender People CEC, CECI & USIPT, 2022

Coinfections

Clínicas Especializadas Condesa - August 30th, 2022

AUGUST 2022 IN BOTH CLINICS

Prevalence in **MEN**

VIH+	HBsAg+	Anti-VHC+
12.20%	0.98%	2.07%
n=2,932	n=1,920	n=3,278

Prevalence in **WOMEN**

VIH+	HBsAg+	Anti-VHC+
3.20%	0.00%	0.36%
n=1,123	n=846	n=3,278

Coinfection with Hepatitis B, Hepatitis C and Syphilis in the total of patients diagnosed in both Clínicas Condesa August 2022

VIH+, HBsAg+	VIH+, Anti-VHC+	VIH+, Anti- TP+, V.D.R.L.+
1.49%	3.48%	24.40%

Hepatitis C Virus n= 4,891 (August 2022)

People negative to HCV = 4,834

People HCV(+) incorporated into treatment (August 2022): 57

Coinfected patients (HIV+, HCV+)

Incorporated into treatment (August 2022): 50



Prevalence in Most at Risk Populations (MARPs)

Clínicas Especializadas Condesa – December 31st, 2021

Population Group	Prevalence	
Transgender Women*	22.20/	
n= 2,480	22.3%	
Male Sex Workers**	37%	
n= 627	31 70	
MSM	20.2%	
n= 17,521	20.2 /0	
Men deprived of liberty***	1%	
n= 33,000	1 70	
Women deprived of liberty***	1.10%	
n= 3,000	1.10/0	
Socially marginalized people with drug use**** n= 30,212	0.62%	

^{*} Trans Continuum of care, 2022



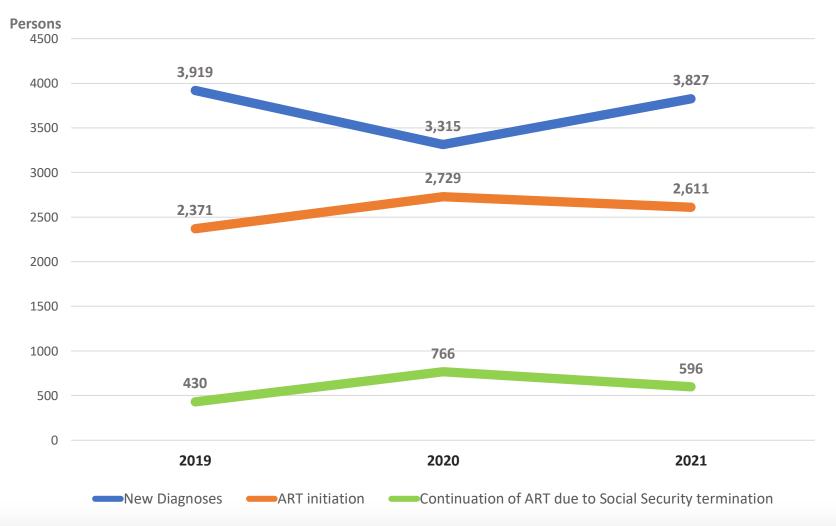
^{**} Program "Punto seguro"

^{***} Penitenciary centers of Mexico City

^{****} Users of the Harm-reduction Program of Mexico City

New Diagnoses, ART initiation, and Continuation of ART due to Social Security termination (care reentry) 2019-2021

Clínicas Especializadas Condesa - December 31st, 2021





Optimization and Simplification of Antiretroviral Therapy

May to August 2019





Guía de manejo ARV, monitoreo de la calidad de la atención y capacitación



SEVILLA

FAST-TRACK CITIES 2022

Optimization and Simplification of Antiretroviral Therapy

May to August 2019

ART combinations switched to BIC/TAF/FTC		
Current ART	% switched to Biktarvy	# of patients nationwide
Triumeq	Biktarvy 100%	9,984
Stribild	Biktarvy 100%	1,575
Dolutegravir con:CombivirKivexaTruvada	Biktarvy 100%	7,147
Efavirenz con:CombivirKivexaTruvada	Biktarvy 100%	7,089
Kaletra con:CombivirKivexaTruvada	Biktarvy 65%	3,918 (6,027)
Atazanavir con: Combivir Kivexa Truvada	Biktarvy 85%	2,750 (3,235)
Raltegravir con: Combivir Kivexa Truvada	Biktarvy 40%	656 (1,639)
Nevirapina con: Combivir Kivexa Truvada	Biktarvy 100%	558
TOTAL		33,676

DOLUTEGRAVIR + other ARV	
TRUVADA+DOLUTEGRAVIR	5,667
KIVEXA(A/L)+DOLUTEGRAVIR	1,468
ABACAVIR+LAMIVUDINA+DOLUTEGRAVIR	59
COMBIVIR(L/Z)+DOLUTEGRAVIR	12
EMTRICITABINA+TENOFOVIR+DOLUTEGRAVIR	1
TOTAL	7,147

RALTEGRAVIR + other ARV	
TRUVADA+RALTEGRAVIR	1530
KIVEXA(A/L)+RALTEGRAVIR	104
ABACAVIR+LAMIVUDINA+RALTEGRAVIR	16
COMBIVIR(L/Z)+RALTEGRAVIR	5
EMTRICITABINA+TENOFOVIR+RALTEGRAVIR	1
TOTAL	1,639

KIVEXA(A/L)+ATAZANAVIR+RITONAVIR(tabletas)
TRUVADA+ATAZANAVIR+RITONAVIR(tabletas)

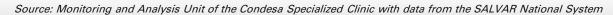
2,000	
ATAZANAVIR+ other ARV	
ATAZANAVIR+TRUVADA+RITONAVIR(tabletas)	2,733
ATAZANAVIR+KIVEXA(A/L)+RITONAVIR(tabletas)	445
ATAZANAVIR+COMBIVIR(L/Z)+RITONAVIR(tabletas)	38
ATAZANAVIR+RITONAVIR(frascos)+TRUVADA	8
ATAZANAVIR+RITONAVIR(frascos)+TRUVADA+RITONAVIR(tabletas)	6
ATAZANAVIR+TRUVADA	5
ABACAVIR+ATAZANAVIR+LAMIVUDINA+RITONAVIR(tabletas)	4
ATAZANAVIR+COMBIVIR(L/Z)	1
ATAZANAVIR+COMBIVIR(L/Z)+RITONAVIR(frascos)	1
ATAZANAVIR+RITONAVIR(frascos)+KIVEXA(A/L)	1
ATAZANAVIR+RITONAVIR(frascos)+KIVEXA(A/L)+RITONAVIR(tabletas)	1

TOTAL

EFAVIRENZ + other ARV	
EFAVIRENZ+KIVEXA (A/L)	6,684
COMBIVIR(L/Z)+EFAVIRENZ	327
EFAVIRENZ+TRUVADA	78
ABACAVIR+EFAVIRENZ+LAMIVUDINA	74
EFAVIRENZ+EMTRICITABINA+TENOFOVIR	1
TOTAL	7,089

KALETRA 200/50 + other ARV	
KALETRA(L/R)+TRUVADA	4,390
COMBIVIR(L/Z)+KALETRA(L/R)	834
KALETRA(L/R)+KIVEXA(A/L)	803
ABACAVIR+KALETRA(L/R)+LAMIVUDINA	61
EMTRICITABINA+KALETRA(L/R)+TENOFOVIR	3
TOTAL	6,027

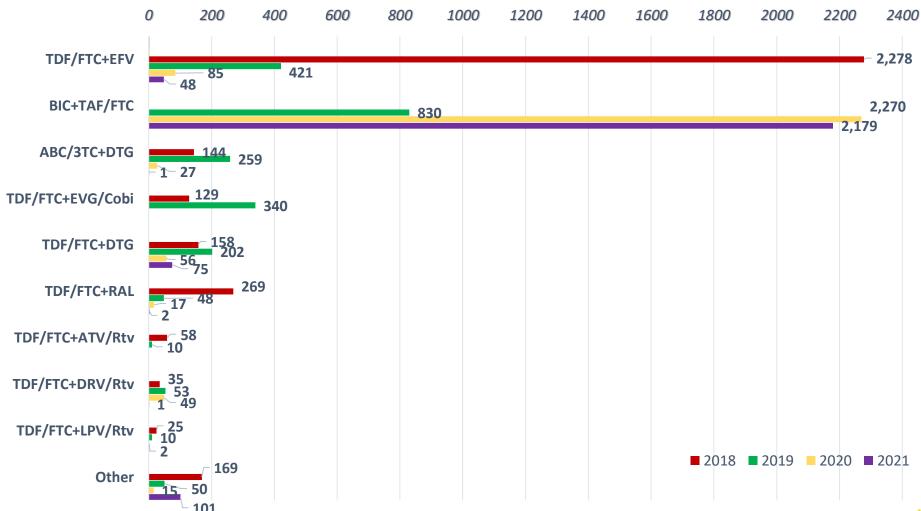
424
93
41
2
558



3,235

First line Antiretroviral Therapy

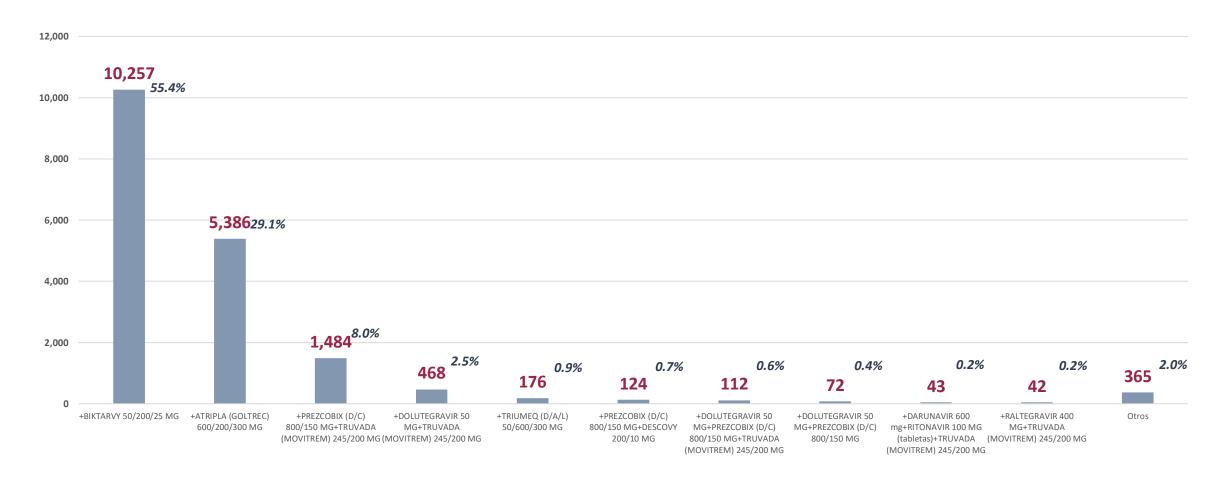
Clínicas Especializadas Condesa - From 2015 to December 31st, 2021





Current Antiretroviral Therapy

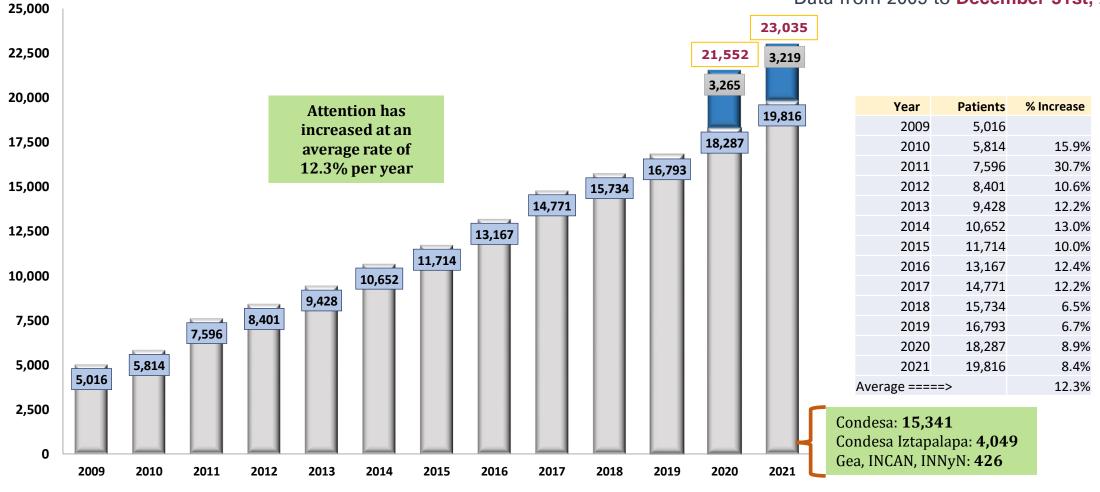
Clínicas Especializadas Condesa – To December 31st, 2021





Patients attended per year

Clínicas Especializadas Condesa Data from 2009 to **December 31st, 2021**



■ INER and INCMNSZ

HIV-positive patients in care without ART, and patients receiving antiretroviral treatment are included. Since 2016, data from the Condesa Iztapalapa Clinic has been included. Source: Monitoring and Analysis Unit of the Condesa Specialized Clinic

□ Clínicas Condesa

• Clínicas Especializadas Condesa (Condesa y Condesa Iztapalapa)

- Gea Gonzalez Hospital (GeaGonzalez)
- National Cancer Institute (INCAN)
 National Institute of Neurology and Neurosurgery (INNyN),



36.5%

Of users

transit

between

health

institutions

National Institute of Respiratory Diseases (INER)

[·] National Institute of Medical Sciences and Nutrition (INCMNSZ)

Prep - Pre-Exposure Prophylaxis on Key Populations

Latest current data: September 23rd, 2022 (active PrEP users)

	Gobierno CIUDAD DE MÉXICO						Organizaciones civiles JALISCO, Mx		Gobierno OAXACA, Mx	
	Clinica Especializada Clinica Especializada CONDESA Iztapalapa			MĘXICOŃINO	ınspıra		CHECCOS OSETAC		COESIDA CAPASITS	
Key population	CEC	CECI	USIPT	México Vivo*	Inspira*	VIHve Libre*	CHECCOS* Jalisco	SETAC* Vallarta	COESIDA Oaxaca	Total
Gay men and other MSM	1,170	268	0	252	153	46	546	233	12	2,677
HIV-discordant couple women	11	4	0	0	0	0	0	1	0	16
HIV-discordant couple men	128	116	0	2	21	18	21	36	0	342
Teenagers	19	1	0	8	3	0	0	1	0	32
Chemsex users	130	69	0	32	52	5	62	31	0	381
Transgender women	41	9	70	0	1	2	11	4	0	125
Transgender men	4	1	1	0	1	0	6	0	0	29
Non binary people	1	0	5	0	1	1	0	0	0	8
Male sex workers	308	70	0	3	28	9	63	19	0	500
Female sex workers	8	1	0	0	0	1	0	12	0	22
Women victims of violence	2	0	0	0	2	0	0	1	0	5
TOTAL	1,822	539	76	297	262	82	709	338	12	4,137
Date of PrEP initation	ago-21	sep-21	abr-22	sep-21	ago-21	ago-22	sep-21	nov-21	ago-22	

Provided in CDMX 3,078

Monitored from CDMX 1,059



PrEP Users

at Clínicas Especializadas Condesa of Mexico City and Community Services

Follow up from July 2021 to Date

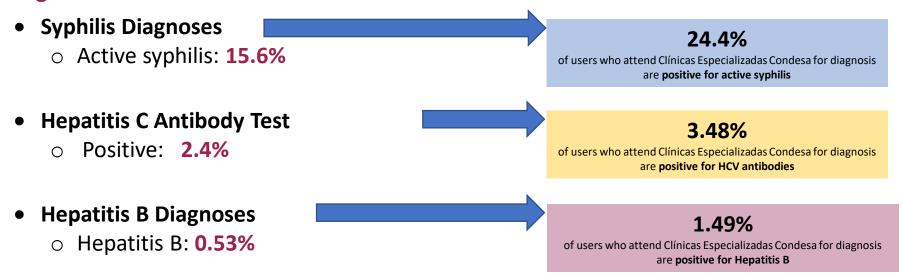
HIV Diagnoses

• Total Users: 4,137 (Accumulated)

• Users that tested positive for HIV: 23 (Acute infection at baseline)

• **Incidence:** 0.56% (1 user)

STI Diagnoses





PEP - Post-Exposure Prophylaxis for HIV and other STI

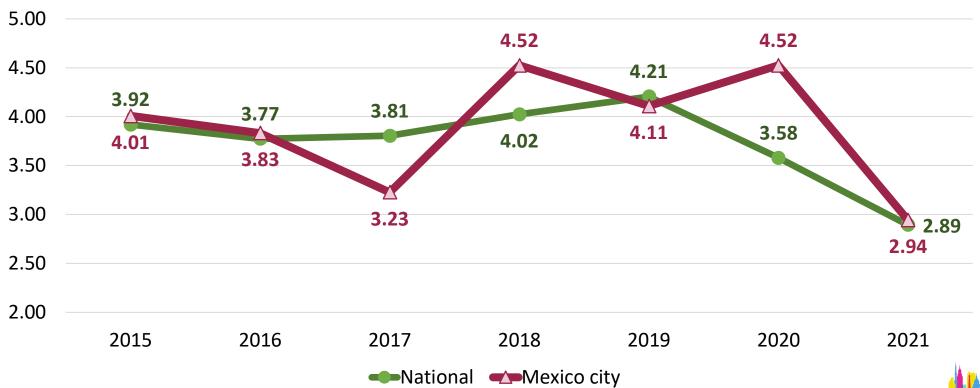
Latest current data: December 31st, 2021



- 2,520 people assessed for Post-Exposure Prophylaxis (PEP) due to risk practices, with follow-up for prevention and treatment of other sexually transmitted infections, and linkage to care.
- 1,386 people received PEP (55% of the assessments).



- The National HIV mortality rate has remained constant with an average of 3.74 and a decreasing trend since 2020.
- In Mexico City, an irregular variation is observed, with an average of 3.88 and a growing trend since 2019, probably as a result of the hospital reconversion due to the COVID-19 pandemic.



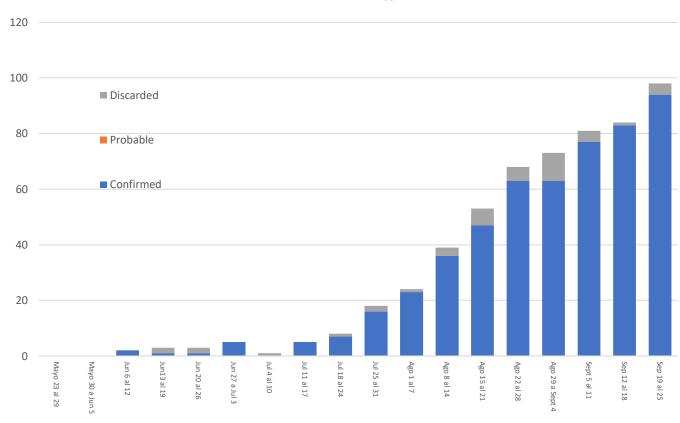


- The first case of monkeypox virus in Clínica Condesa was detected on June 11th, 2022 and accounted for the first case of local transmission in Mexico City.
- **630 persons** have been assessed:
 - 539 confirmed cases (508 men, 1 cisgender woman, and 2 trans women)
 - o 48 probable cases (all men) with pending PCR results
 - 53 cases were ruled out by laboratory (51 men, 2 cisgender women, and 2 trans women)
- Since the first case was detected, the flow of patients has had an average weekly increase of 19%.
- The average age of the cases is 34.6 years with a range of 17 to 59.
- 80% of confirmed cases are people living with HIV.
- In September, more monkeypox cases were diagnosed per month than HIV in our units (the ones that detect the highest number of HIV cases in the entire continent).

Monkeypox

Data from June 11th to September 28th, 2022

Flowchart of monkeypox cases

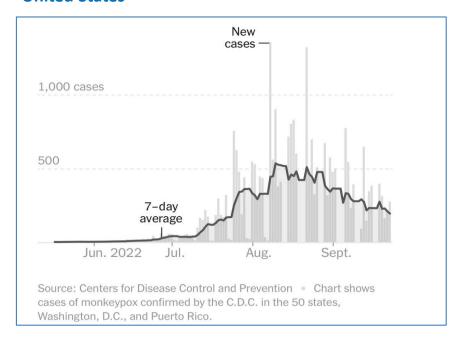


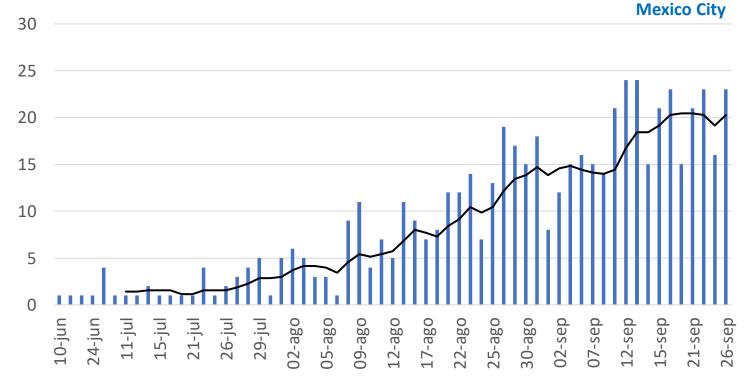


Monkeypox virus - New cases

It is important to mention that in the United States the trend of new cases has begun to decline since September, due to the extensive vaccination actions, while in Mexico City the trend has continued to rise.

United States







Conclusions

- 1. The fragmentation of the health system in Mexico generates interruptions in the continuum of care for people with HIV, since it delays the treatment initiation and represents a relevant factor for attrition.
- 2. The lack of integrated information systems limits the follow-up of people and makes it impossible to obtain valuable information to estimate the components of the care cascade.
- 3. In the first year of the program, we were able to include one person in PrEP for each new case of HIV; however, it is necessary to expand coverage and focus the intervention on the populations with the highest transmission rates (young MSM).
- 4. The COVID-19 pandemic had an **impact on the response to the HIV epidemic** (specifically, an increase in mortality, probably due to hospital reconversion), **in the reduction of diagnosis** -particularly in women and adolescents- and **a greater number of people lost social security.**
- 5. Given the increase in monkeypox cases, the use of vaccination is necessary to stop the outbreak.

Universal care and integrated service networks are essential to meet the goals of care for people living with HIV

95 - 95 - 95



Collaborated on the creation of this presentation

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Clínica Especializada Condesa https://condesa.cdmx.gob.mx/

