



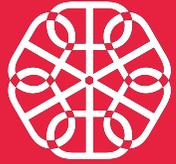
AIDS
2020

EVENT-DRIVEN PrEP:
NEW CHALLENGES FOR
IMPLEMENTATION IN
LATIN AMERICA

Brenda Hoagland, MD, PhD

6 - 10 JULY 2020

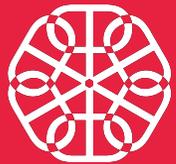
VIRTUAL



ImPrEP

Introduction

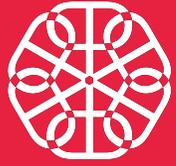
- In July 2019, the World Health Organization (WHO) updated PrEP guideline and recommended the use of PrEP on demand for men who have sex with men (MSM) that report infrequent sex (one day per week or less on average) and are able to postpone unplanned sexual intercourse by at least 2 hours.
- This recommendation has not yet been included in the Brazilian PrEP guideline, where daily PrEP is offered free of charge in the public health system (SUS) for populations at high risk for HIV infection.
- New studies are needed to assess awareness and willingness to use ED-PrEP in low and middle income countries in Latin America.



ImPrEP

Published Data

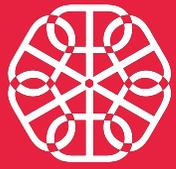
- In a web-based survey conducted in Brazil, Mexico and Peru among 19,457 MSM (2018), 23% of respondents (N = 4,538) reported preference for ED-PrEP rather than daily PrEP and injectable PrEP. *JMIR PUBLIC HEALTH SURVEILL.2019 jun17, 5(2):e13771.*
- In this population, those who tested for HIV lifetime, with lower number of male partners and aware of PrEP, preferred ED-PrEP. *AIDS 2020 Virtual Poster 2779*
- Another web-based survey conducted in Brazil (2017) showed that younger MSM would be more interested in other modalities of PrEP, including ED-PrEP. *AIDS CARE 2019oct 31 (10):1193-1202*



ImPrEP

ImPrEP Project

- ImPrEP is a project that the main objective is assess uptake, acceptability and feasibility of same day PrEP (TDF/FTC orally once a day) for MSM and TGW in the context of HIV combination prevention in Brazil, Mexico and Peru. The project is reaching its 3rd year, with 8.324 participants included in the three countries.
- A cross-sectional questionnaire to explore ED-PrEP knowledge/ acceptability was administered to all ImPrEP participants who attended a quarterly visit between February and March 2020.
- This activity was temporarily interrupted due to the COVID-19 pandemic.
- Preliminary results of awareness and willingness to use ED-PrEP will be presented.

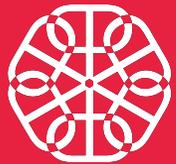


ImPrEP

Characteristics of Study Population

- In the 3 countries, 1.409 ImPrEP study participants answered the ED-PrEP questionnaire.
- Around 50% were aged between 25 and 30 years and the great majority was MSM.

	Brazil	Peru	Mexico
	N=566	N=332	N=511
Age			
18-24	86/15.2%	86/25.9%	55/10.8%
25-35	275/48.6%	165/49.7%	295/57.7%
> 35	205/36.2%	81/24.4%	161/31.5%
Gender			
MSM	555/98.1%	310/93.4%	505/98.8%
TGW	11/1.9%	22/6.6%	6/1.2%

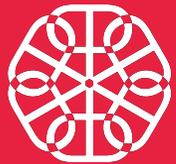


ImPrEP

Results

- The great majority of the participants reported use of daily PrEP as recommended by the study.
- More participants from Brazil and Peru have not heard about ED-PrEP when compared to Mexico.
- After a brief explanation of this regimen, the great majority in the three countries showed low willingness to use ED-PrEP instead of daily PrEP.

	Brazil	Peru	Mexico
	N=566	N=332	N=511
Are you taking daily PrEP as recommended?			
No	8/1.4%	11/3.3%	7/1.4%
Yes	558/98.6%	321/96.7%	504/98.6%
Did you ever heard about ED-PrEP?			
No	463/81.8%	270/81.3%	321/62.8%
Yes	103/18.2%	62/18.7%	190/37.2%
Would you be willing to use ED-PrEP instead of daily?			
No	457/80.7%	248/74.7%	376/73.6%
Yes	109/19.3%	84/25.3%	135/26.4%

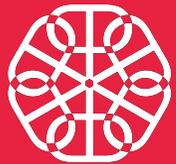


ImPrEP

Results

- Interestingly, although most of participants were not willing to use ED-PrEP, around 40% of them reported having sex one or twice a week, which could potentially make them candidates for ED-PrEP.

	Brazil	Peru	Mexico
	N=566	N=332	N=511
"Would you be willing to use ED-PrEP instead of daily?"			
No	457/80.7%	248/74.7%	376/73.6%
Yes	109/19.3%	84/25.3%	135/26.4%
"In general, how often do you have sex a week?"			
1 day	123/21%	68/20.5%	87/17%
2 days	142/25%	99/29.8%	103/20%
3 - 4 days	230/41%	100/30.1%	222/43%
5 - 6 days	40/7%	50/15.1%	76/15%
7 days (every day)	20/4%	12/3.6%	19/4%
No day	11/2%	3/0.9%	4/1%

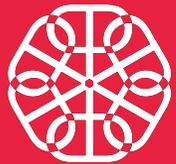


ImPrEP

Results

- The main reasons for **no willingness to use** ED-PrEP instead of daily PrEP were:
 - “I can’t anticipate when I’m going to have sex.”
 - “I would be more anxious about my risk of getting HIV than if I took daily.”
 - “I feel comfortable taking PrEP daily.”
 - “ED-PrEP is a difficult regimen. I prefer something more regular.”

	Brazil	Peru	Mexico
	457/566 (80.7%)	248/332 (74.7%)	376/511 (73.6%)
"I can't anticipate when I'm going to have sex"			
Agree	391/85.5%	220/88.7%	355/94.4%
Disagree	66/14.5%	28/11.3%	21/5.6%
"I would be more anxious about my risk of getting HIV than if I took it daily"			
Agree	408/89%	234/94.4%	357/95%
Disagree	49/11%	14/5.6%	19/5%
"I feel comfortable taking PrEP daily"			
Agree	447/97.8%	243/98%	371/99%
Disagree	10/2.2%	5/2%	5/1.0%
"ED-PrEP is a difficult regimen. I prefer something more regular"			
Agree	430/94%	233/94%	349/93%
Disagree	29/6.0%	15/6%	27/7.0%

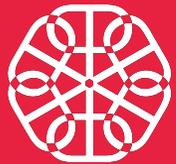


ImPrEP

Results

- Other reasons reported by the majority **not willing to use** ED-PrEP were:
 - “I have sex frequently (more than 2 days a week)”
 - “I can’t postpone the start of unplanned sexual intercourse by at least 2 hours”.
- Most participants from Peru and Mexico agree with the sentence that “ED-PrEP is less effective than daily PrEP”, but only half of Brazilians agreed with this statement.

	Brazil	Peru	Mexico
	457/566 (80.7%)	248/332 (74.7%)	376/511 (73.6%)
"I have sex frequently (more than 2 days a week)"			
Agree	344/75.3%	166/67%	308/81.9%
Disagree	113/24.7%	82/33%	68/18.1%
"I can't postpone the start of an unplanned sexual intercourse by at least 2h"			
Agree	350/77%	171/69%	283/75.3%
Disagree	107/23%	77/31%	93/24.7%
"ED-PrEP is less effective than daily PrEP"			
Agree	23/50.5%	194/78%	308/81.9%
Disagree	226/49.5%	54/22%	68/18.1%

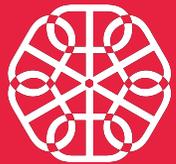


ImPrEP

Results

- Only 328 participants (23%) would be **willing to use ED-PrEP** instead of daily and the majority agreed with the following:
 - “Taking ED-PrEP would be much convenient.”
 - “I can easily postpone the start of unplanned sexual intercourse by at least 2 hours.”
 - “I know very well when I’m going to have sex.”

	Brazil	Peru	Mexico
	109/566 (19.3%)	84/248 (25.3%)	135/376 (26.4%)
"Taking ED-PrEP would be much more convenient"			
Agree	98/89.9%	68/81%	105/77.8%
Disagree	11/10.1%	16/19%	30/22.2%
"I can easily postpone the start of unplanned sexual intercourse by at least 2 hours"			
Agree	85/78%	63/75%	112/82.9%
Disagree	24/22%	21/25%	23/17.1%
"I know very well when I'm going to have sex"			
Agree	70/64.2%	64/76%	94/69.7%
Disagree	39/35.8%	20/24%	41/30.3%



ImPrEP

Results

- Among those willing to use ED-PrEP instead of daily, most felt it is not difficult to take pills every day, although almost half of them do not like taking daily pills.
- Most of these participants do not consider that daily PrEP is harmful to their body, but about half of them are afraid of long-term side effects of using PrEP.

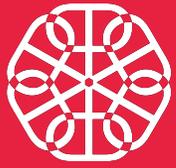
	Brazil	Peru	Mexico
	109/566 (19.3%)	84/248 (25.3%)	135/376 (26.4%)
"It is very difficult to remember to take one pill a day"			
Agree	14/12.9%	20/24%	20/14.8%
Disagree	95/87.1%	64/76%	115/85.2%
"I don't like to take pills every day"			
Agree	49/45%	40/48%	55/40.7%
Disagree	60/55%	44/52%	80/59.3%
"Daily PrEP seems to be very bad for my body"			
Agree	35/32.1%	28/33%	57/42.2%
Disagree	74/67.9%	56/67%	78/57.8%
"I'm afraid of the long-term side effects of PrEP"			
Agree	66/60.5%	41/48.8%	73/54%
Disagree	43/39.5%	43/51.2%	62/46%



ImPrEP

Conclusions

- Only few information about awareness and willingness to use ED-PrEP among MSM in Latin American countries are available.
- Recent data from a web-based survey conducted during the social distancing period imposed by COVID-19 in Brazil (April-May, 2020) showed that only 1% (N = 11) of PrEP users chose ED-PrEP during this period. Most maintained daily use (N = 502/69%), 28% stopped it (N = 204) and 2% used non-standard regimen (N = 16). **LB-AIDS2020-11282**
- Preliminary results from daily PrEP users of ImPrEP project in Brazil, Mexico and Peru suggest the need for greater educational activities regarding ED-PrEP among MSM.
- With the increasing of awareness and knowledge on ED-PrEP, persons currently using daily PrEP would possible change to ED-PrEP based on sex frequency and ability to manage sex life.



ImPrEP

Acknowledgments

- Study participants
- Unitaid
- MoH



UNIVERSIDAD PERUANA
CAYETANO HEREDIA

