

Is There a Positive Association Between Time Spent in the U.S. and Receipt of HIV Testing Among Latinx Migrants at the San Diego – Tijuana Border?



Maddie Campbell, Melissa Nguyen, & Philip Brandes
Family Medicine and Public Health, UC San Diego

Background

*HIV affects 37.9 million people globally.¹

*HIV+ individuals not diagnosed are more likely to engage in risky behavior (e.g. unprotected sex, needle sharing, etc.) and transmit the infection.¹

*Just 20% of those infected are not aware of their infection and are responsible for ~50% of new HIV transmissions.¹

*Only 22% of Latino migrants at the SD/TJ border received HIV testing in the last 12 months.²

*HIV rates for migrants are higher than the averages found for both the U.S. and Mexico.²

Objectives

*To identify if there is a positive association between time Latinx migrants spent in the U.S. and receiving HIV testing.

*To address access to HIV testing among Latinx migrants, lower HIV incidence, and improve rates of HIV care in the U.S. and Mexico.

Methods

*We conducted a secondary data analysis from a cross-sectional study, which acquired its data by distribution of a health care survey that was designed after EMIF: Surveys on Migration at the North and South Borders of Mexico.³

*The survey was distributed in bus stations, airports, and the deportation facility at the San Diego-Tijuana border to Mexican migrants that were returning from the U.S. (voluntarily or via deportation).²

*Data was collected from April to December 2013 with 1,161 participants.

*Individuals eligible: being older than eighteen years of age, being a fluent Spanish speaker, having been born in Mexico or another Latin American country, not being a Tijuana resident, and not having taken the survey previously.

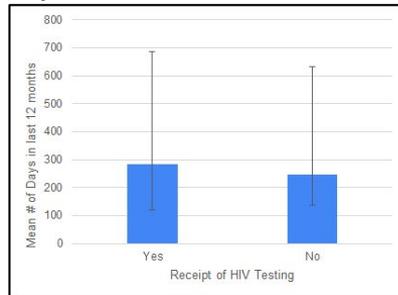
*We calculated descriptive statistics of patient demographics as well as rates of HIV care and migration flow (southbound or deported.) Survey weights were then cross tabulated to identify the association of the number of days spent in the U.S. with HIV testing. All data calculations were performed with the software SPSS Statistics (IBM SPSS).

Results

Table. 1 Participant Demographics

Participants	
Southbound	60%
Deported	40%
Age	M= 40.9 SD= 13.6
Sex	
Female	21%
Male	78%
Education	
Did not attend high school	70%
Attended high school	30%
Health Insurance (in the last 12 months)	
Insured	39%
Uninsured	61%

Fig. 2 Mean Days Spent in the U.S. in the Last 12 Months vs. Testing Status



Regression analyses found that receipt of HIV testing was significantly associated with the amount of time spent within the last 12 months ($p < 0.01$) and in their lifetime ($p = 0.02$).

Fig. 1 Receipt of HIV Testing in Last 12 Months

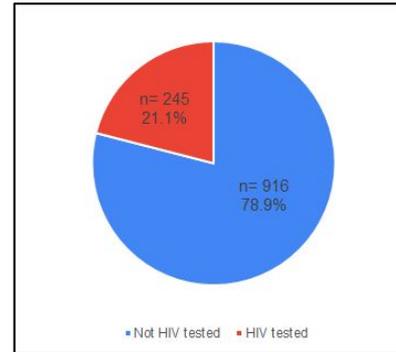
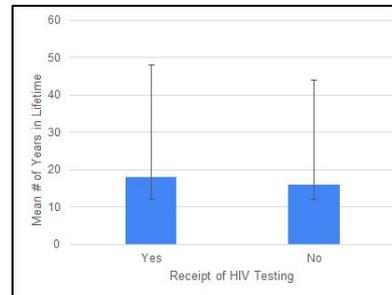


Fig. 3 Overall Years Spent in the U.S. in Lifetime vs. Testing Status



Conclusions

*Time spent in the U.S. was positively associated with receiving HIV testing, indicating the importance of HIV testing across both borders.

Policy Implications

*Critical need to provide HIV testing among migrants during the time of travel across the US-TJ border.²

*Policy offering routine HIV testing for Latinx migrants should be pilot tested given the potential to link HIV positive migrants to care and reduce HIV incidence.²

*Policy expanding Medicaid coverage to undocumented migrant adults who are income-eligible.²

Acknowledgements

We would like to thank the authors of the primary study (Ana P. Martinez-Donate, Maria Gudelia Rangel, Natalie Rhoads, Xiao Zhang, Melbourne Hovell, Carlos Magis-Rodriguez, and Eduardo Gonzalez-Fagoaga) and migrants who participated. We also would like to thank the UCSD Public Health Department for their support in overseeing this study.

This research described was supported and funded by Grant 1 R01-HD046886-01A2.

References

- 1: HIV.gov Date last updated: July 31, 2019 (2019, October 2). Global Statistics. Retrieved from <https://www.hiv.gov/hiv-basics/service-data-and-trends/global-statistics>
- 2: Martinez-Donate, A. P., Rangel, M. G., Rhoads, N., Zhang, X., Magis-Rodriguez, C., & Gonzalez-Fagoaga, E. (2015, April 10). Identifying Opportunities to Increase HIV Testing among Mexican Migrants: A Call to Step Up Efforts in Health Care and Detention Settings.
- 3: El Colegio de la Frontera Norte. EMIF: Surveys on Migration at the North and South Borders of Mexico, a Mexican- Government Funded Survey. Retrieved from <https://www.colf.mx/cmf/metodologia/questionarios/emifite/2019/DF/VI/2019.pdf>