



# HIV Implementation Literature Review Dashboard: Disseminating HIV Implementation Science

Artur Queiroz, PhD

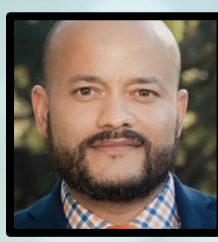
**Adherence 2023 • June 11-13 • Puerto Rico**



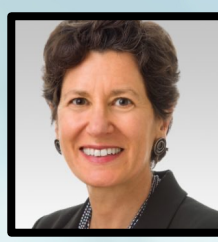
**Brian Mustanski**  
Co-Director



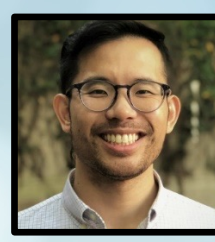
**Nanette Benbow**  
Co-Director



**Russell Brewer**  
Co-I



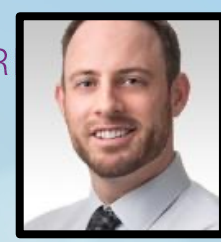
**Lisa Hirschhorn**  
Co-I



**Dennis H. Li**  
Co-I



**Sylvie Naar**  
Co-I



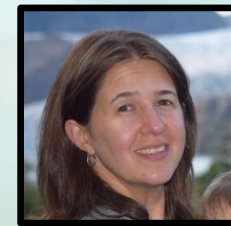
**JD Smith**  
Co-I



**Ginger McKay**  
Co-I



**Morgan Purrier**  
Project Manager



**Maria Pyra**  
Co-I



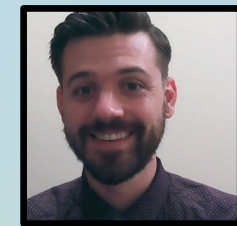
**Jasmine Deskins**  
Sr Research Study Coordinator



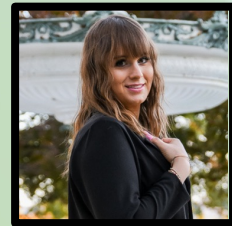
**Melissa Mongrella**  
Senior Project Coordinator



**Artur Queiroz**  
Postdoctoral Scholar



**James Merle**  
Postdoctoral Scholar



**Alithia Zamantakis**  
Postdoctoral Scholar



**Mica Pachicano**  
Research Study Assistant



**Eddie Salinas**  
Communications Coordinator



**Emily Urbanczyk**  
Research Study Assistant



**Carlos Gallo**  
Computational Methodologist



**Juan Pablo Zapata**  
Postdoctoral Scholar



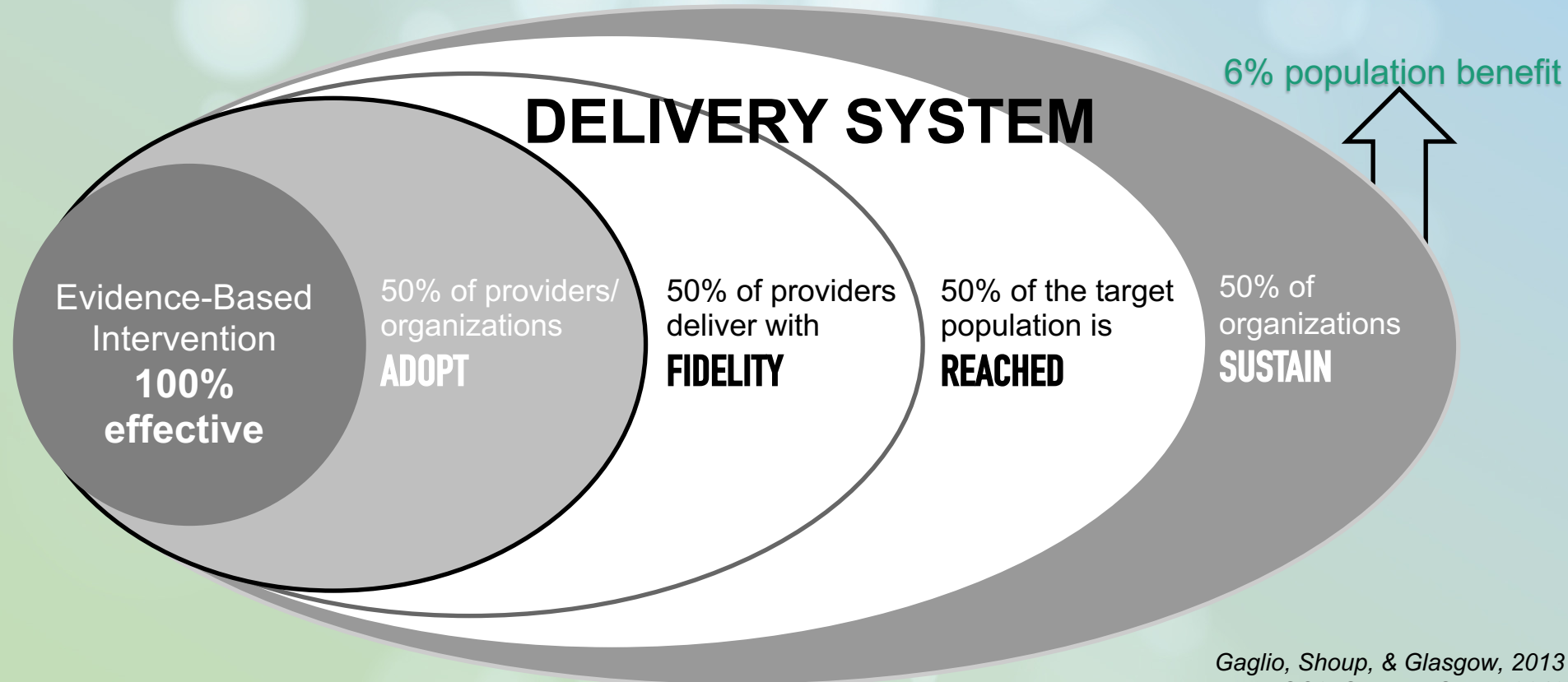


# Objectives

- Describe the creation of the HIV Implementation Literature Review Dashboard.
- Demonstrate its use to conduct a scoping review determinants of PrEP implementation in transgender communities.



# Why is studying implementation important?





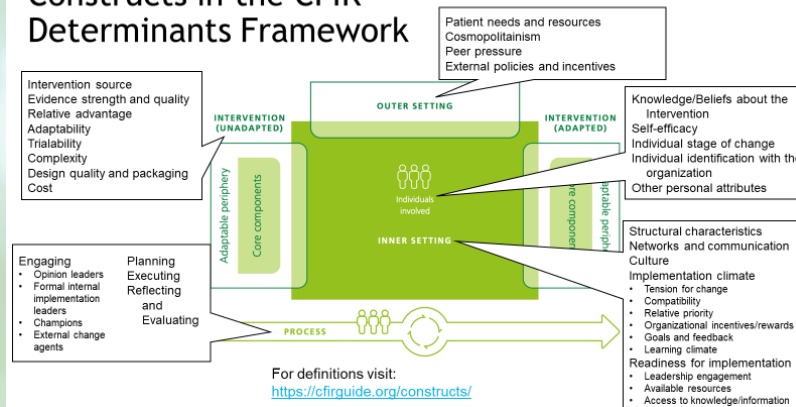


# Determinants of implementation

- Barriers and facilitators that mediate, moderate, or otherwise help explain (un)successful implementation
- Many, *many* determinants frameworks; they more or less say very similar things



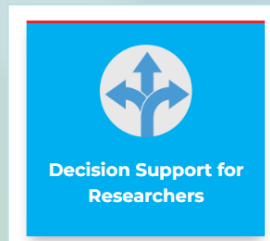
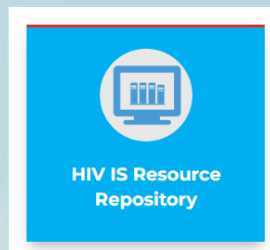
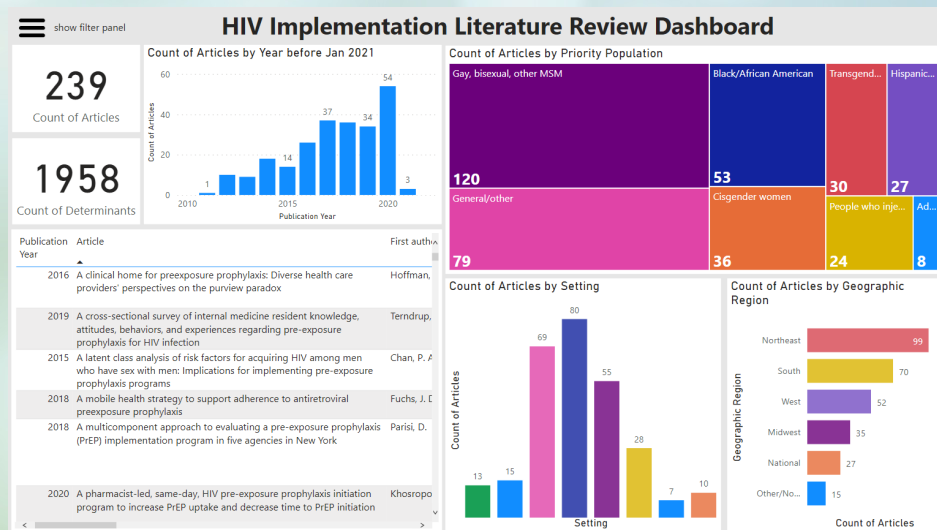
## Constructs in the CFIR Determinants Framework





# Determinants of implementation

- [www.HIVimpsci.org](http://www.HIVimpsci.org)



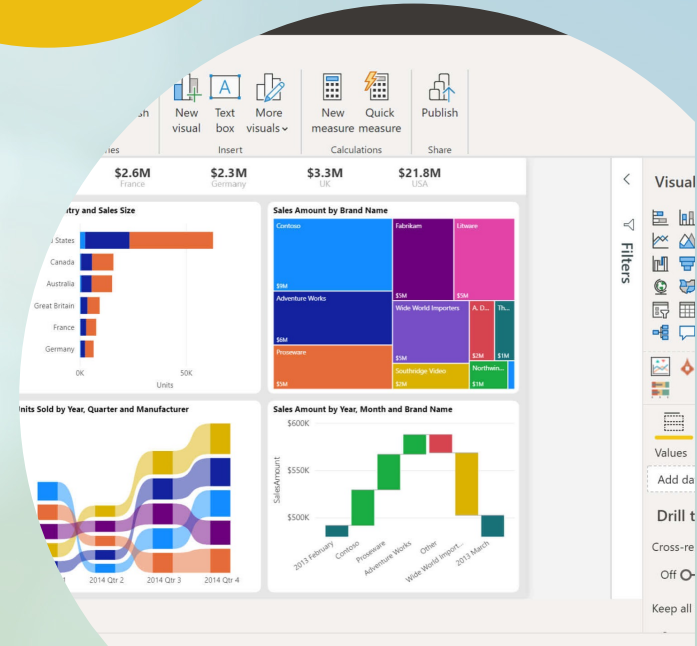
# Background

- The dashboard was created using Power BI.
- Based on the database of the results of the Systematic Review (Li, 2022).
- Following principles of user-centered design.



Power BI

ERENCE2023





# HIV Implementation Literature Review Dashboard

Go  
to <https://hivimpsci.northwestern.edu/>



Click "Dashboard"



Select, "Launch Literature Review Dashboard"

## Who it's for

This tool was made with HIV implementation researchers and those who implement HIV programs and services in mind. Both groups may explore and use the data in a number of ways.



### Researchers

Researchers could use the dashboard to identify papers for further review and identify gaps in the literature for future study.



### Implementation practitioners

Implementation practitioners might use the dashboard to assist in writing grants and designing programs, identifying gaps in resources and finding relevant literature to learn about implementation of HIV interventions.



# HIV Implementation Literature Review Dashboard

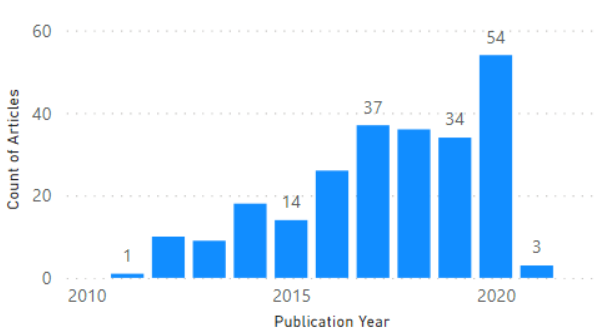
239

Count of Articles

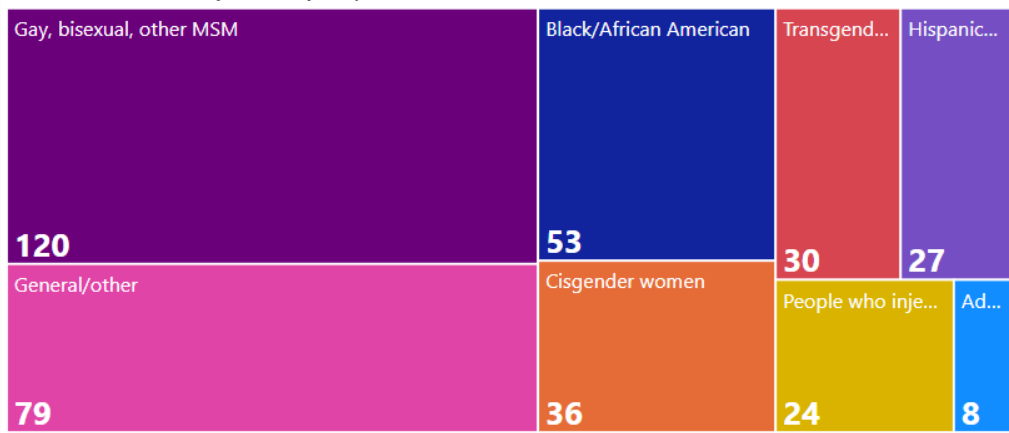
1958

Count of Determinants

Count of Articles by Year before Jan 2021

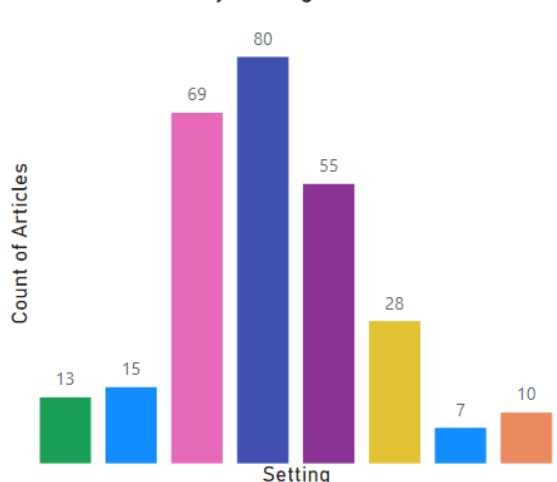


Count of Articles by Priority Population

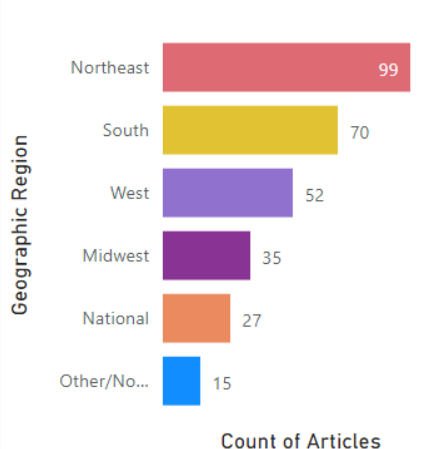


Publication Year	Article	First author
2016	A clinical home for preexposure prophylaxis: Diverse health care providers' perspectives on the purview paradox	Hoffman,
2019	A cross-sectional survey of internal medicine resident knowledge, attitudes, behaviors, and experiences regarding pre-exposure prophylaxis for HIV infection	Terndrup,
2015	A latent class analysis of risk factors for acquiring HIV among men who have sex with men: Implications for implementing pre-exposure prophylaxis programs	Chan, P. A
2018	A mobile health strategy to support adherence to antiretroviral preexposure prophylaxis	Fuchs, J. E
2018	A multicomponent approach to evaluating a pre-exposure prophylaxis (PrEP) implementation program in five agencies in New York	Parisi, D.
2020	A pharmacist-led, same-day, HIV pre-exposure prophylaxis initiation program to increase PrEP uptake and decrease time to PrEP initiation	Khosropo

Count of Articles by Setting



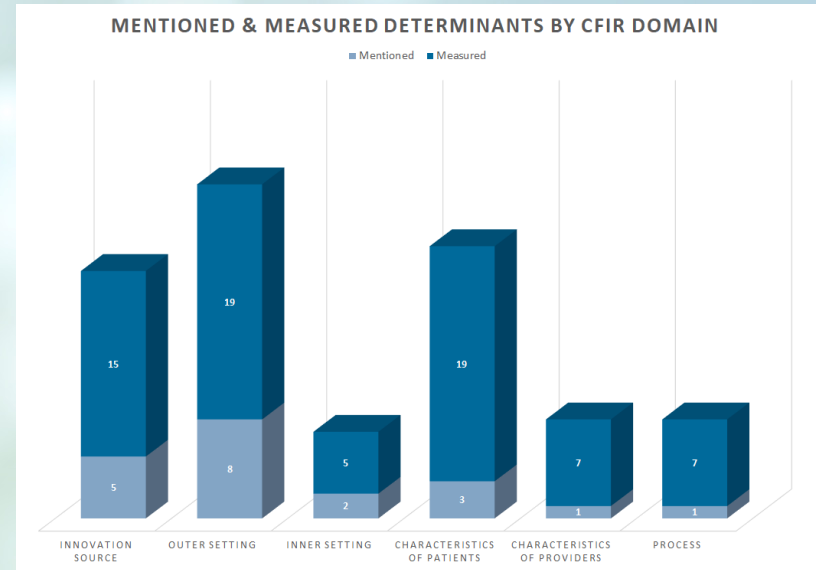
Count of Articles by Geographic Region





# Results

- 25/33 articles (73%) were published 2018-2022.
- Nine (27.3%) identified determinants for Black transgender communities.
  - Eight for Latinx transgender communities
  - Three for transgender people who inject drugs
- There was little variation in identification of determinants across study methods.



# Export of Determinants of PrEP Implementation for PWID Literature

#ADHERENCE2023



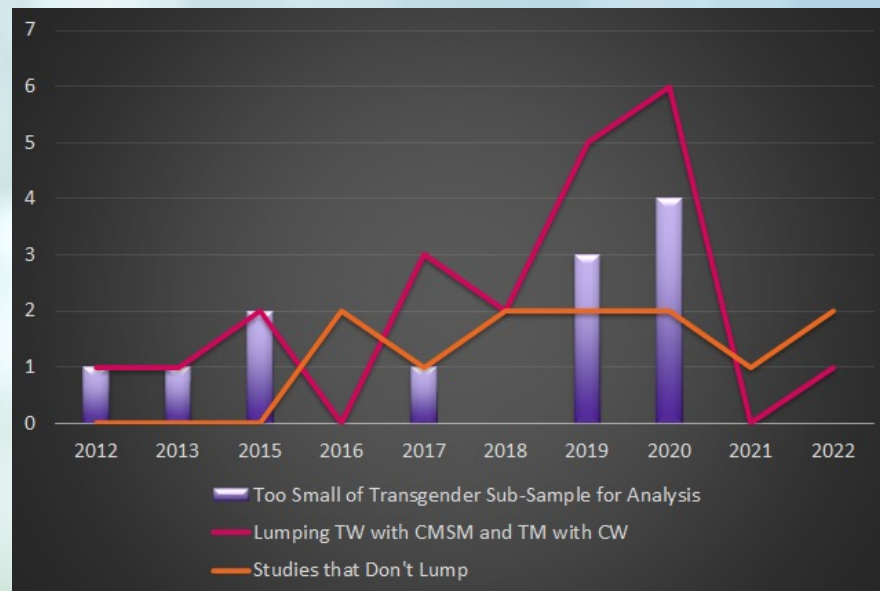
FileHomeInsertPage LayoutFormulasDataReviewViewHelpAcrobatAnalytic SolverData Mining											
Clipboard		Font			Alignment			Number		Styles	
B25											
	A	B	C	D	E	F	G	H	I	J	K
1	Publication Year	Article	First author	Journal	Setting	Study population (ver	Study participants	Study participants -	Study participants -	Study participants -	Geographic Region
2	2014	Willingness to use HIV pr	Stein, M.	AIDS and t	Not specified	opiate users	People who in	Recipients	N/A	opiate users	Northeast
3	2016	Willingness to use HIV pr	Kuo, I.	Drug and	Not specified	older people who	People who in	Recipients	N/A	older people w	South
4	2018	Who starts the conversat	Adams, L.	Health Ed	HIV-related ca	none specified	General/other	Deliverers	HIV specia	N/A	National
5	2014	Sexual partnerships and	Mimiaga,	Archives c	HIV-related ca	men who have se	Gay, bisexual,	Recipients	N/A	men who have :	Northeast
6	2016	Retention in care outcom	Chan, P. A	Journal of	HIV-related ca	men who have se	Gay, bisexual,	Recipients	N/A	men who have :	Northeast,Midwest,South
7	2019	Rationale and design of	Shrestha,	Contemp	Substance use	opioid-dependen	People who in	Recipients	N/A	opioid-depende	Northeast
8	2017	Primary care physicians'	Edelman,	AIDS and t	Non-HIV prim	people who inject	People who in	Deliverers	primary ca	N/A	Northeast,Midwest,South,West



## Lumping Cisgender MSM & Trans Women

	Qualitative Articles	Quantitative Articles	Mixed-Method Article
Lumping Cisgender MSM and Transgender Women	7	13	0
Lumping Cisgender Women and Transgender Men	0	0	1
Too Few Transgender Participants to Break Out Results <sup>1</sup>	2	10	0

<sup>1</sup>Defined as cell sizes less than 10%, but, more often than not, 1-3% of total sample.





# HIV Implementation Research & Transgender Populations

## Identified Determinants Include:

- Fears that PrEP will negatively interact with HRT
- Site of injection for injectable PrEP (i.e., not the gluteal muscle)
  - Higher compatibility of injectable vs oral PrEP
- Importance of leadership buy-in within agencies
- Structural factors (e.g., incarceration, homelessness, survival sex work, unemployment, poverty)
- Systemic racism and cissexism







# HIV Implementation Research & Transgender Populations

## Research points to the need to:

- Actively engage transgender people in development, dissemination, and implementation
- Develop and disseminate training on transgender health for practitioners
- Train and provide resources for providing PrEP in pharmacies, gender affirming care, primary care
- Study trans women, trans men, and nonbinary people alone or lump by gender identity, not sex assigned at birth
- Utilize and conduct health equity research (e.g., Brownson et al., 2011; Baumann & Cabassa, 2020; Allen et al., 2021; Shelton et al., 2021)





# Leveraging Implementation Science in Trans Health

## Transgender health researchers can

- Use CFIR to evaluate barriers and facilitators to care (see, Tinc, Wolf-Gould, Wolf-Gould, & Gadmoski)
- Use hybrid approaches vis-a-vis clinical advances in transgender health
- Develop implementation strategies to enhance health equity for transgender populations vis-a-vis:
  - COVID-19 prevention (see Teixeira da Silva et al., 2021)
  - Eating disorder treatment (see Duffy, Henkel, & Earnshaw, 2016)
  - Employment interventions (see Thompson et al., 2022)





# Contact Information



@artur\_queiroz42



artur.queiroz@northwestern.edu

