

# **Models of HIV-Geriatric Care**

## **The Comprehensive Program of Integrated Care for Older Adults with HIV**

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Assistant Professor

Department of Geriatric and Palliative Medicine

September 18, 2024



**Icahn  
School of  
Medicine at  
Mount  
Sinai**

# OUR TEAM

Angela Condo, MD

Alexis Chung, CHW

Kenia Rivera, CHW

Dale Mandelman, RN

Leslie O'Hanlon, RN

Dina Franchi, SW

Jason Hedvat, PharmD

Chris Espino, Program Manager

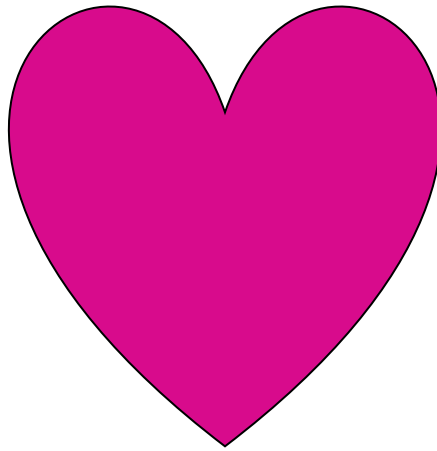
Abigail Baim-Lance, PhD

Fred Ko, MD

All of our amazing patients and advisors!

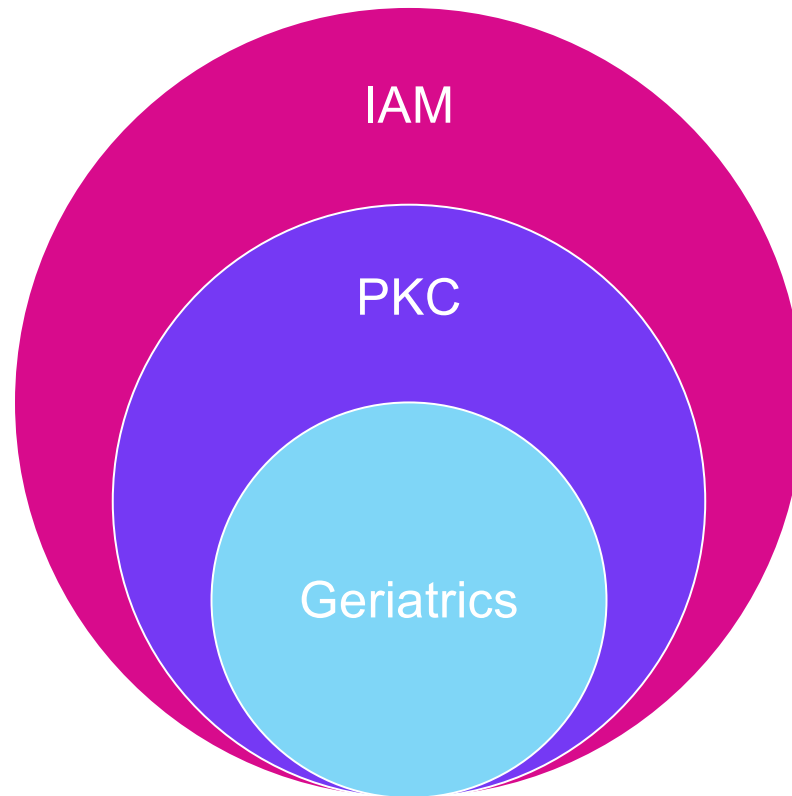
# A New Relationship

Department of  
Geriatric and Palliative  
Medicine



Institute for Advanced  
Medicine (IAM)

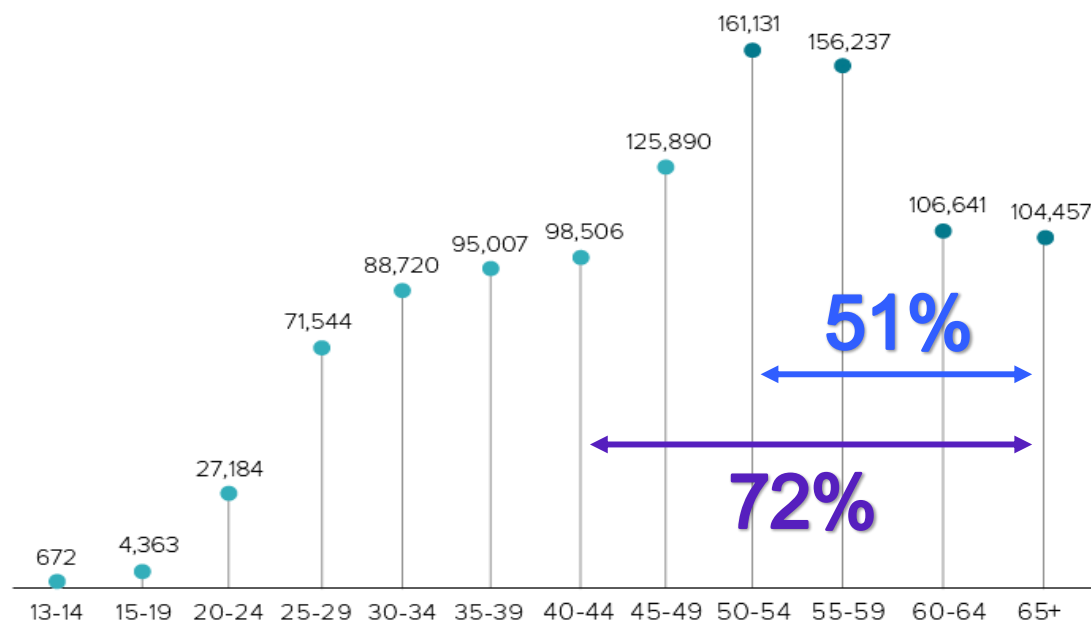
# Bring Geriatrics into HIV primary care



# Why did we decide to do this?

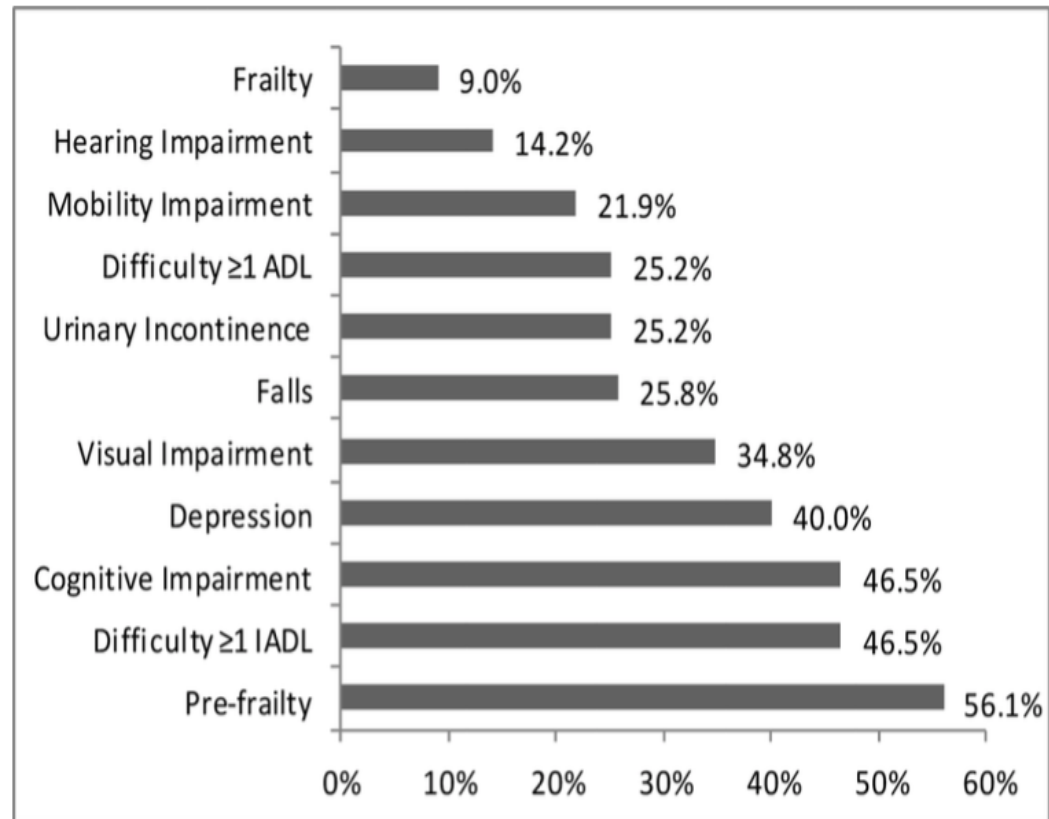
## Adults and Adolescents with Diagnosed HIV in the US and Dependent Areas by Age, 2018

**Over half of people with  
diagnosed HIV were aged  
50 and older.**



Source: CDC. Diagnoses of HIV infection in the United States and dependent areas, 2018 (updated). *HIV Surveillance Report* 2020;31.

## Older adults with HIV are experiencing geriatric syndromes.



Greene M, Covinsky KE, Valcour V, et al. Geriatric Syndromes in Older HIV-Infected Adults. *J Acquir Immune Defic Syndr*. 2015;69(2):161-167.

# The Comprehensive Program of Integrated Care for Older Adults with HIV

**Keith Haring Foundation**



<https://www.haring.com/!art-work/886>

**Interdisciplinary Team**

Geriatrician

Nurse

Pharmacist

Social worker

# The Comprehensive Program of Integrated Care for Older Adults with HIV



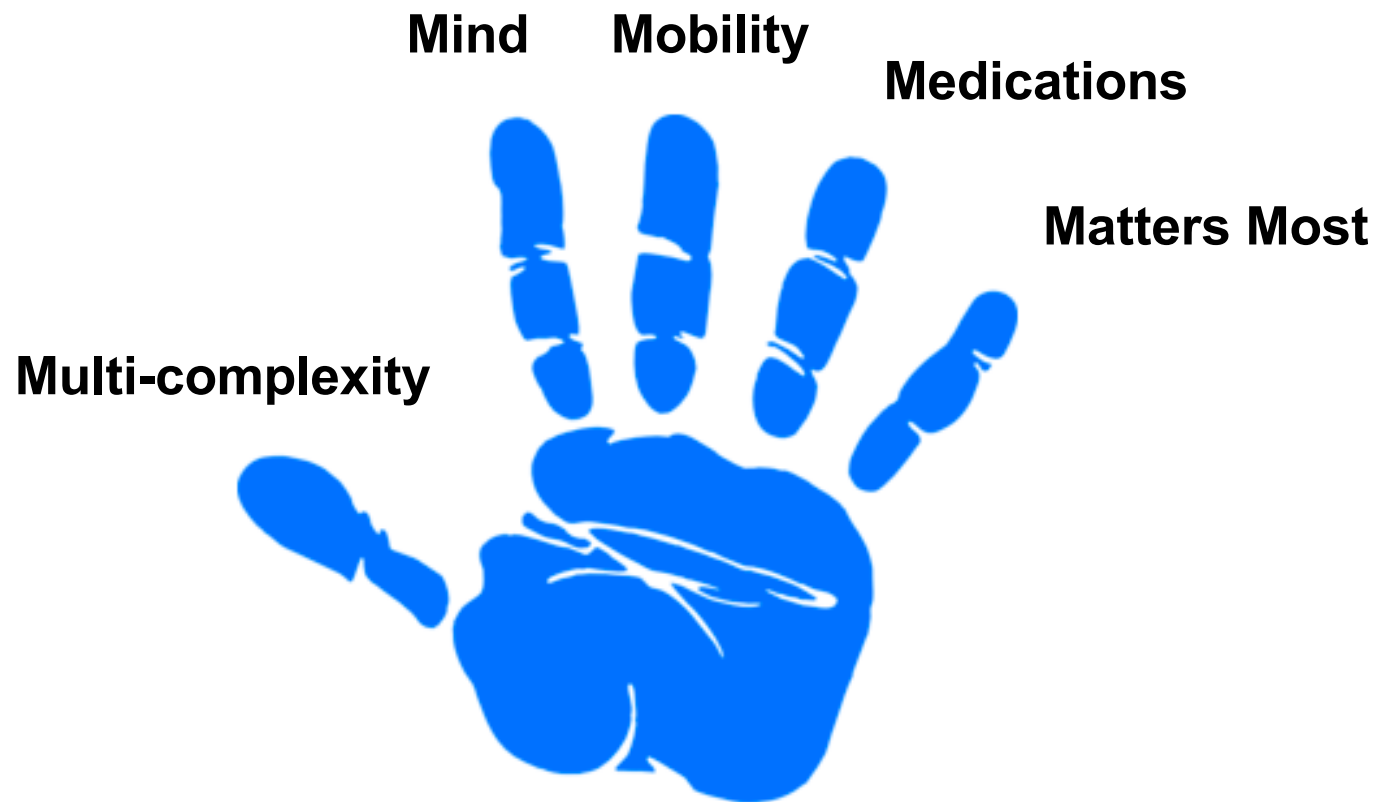
<https://www.kingandmcgaw.com/prints/keith-haring/>

## Services

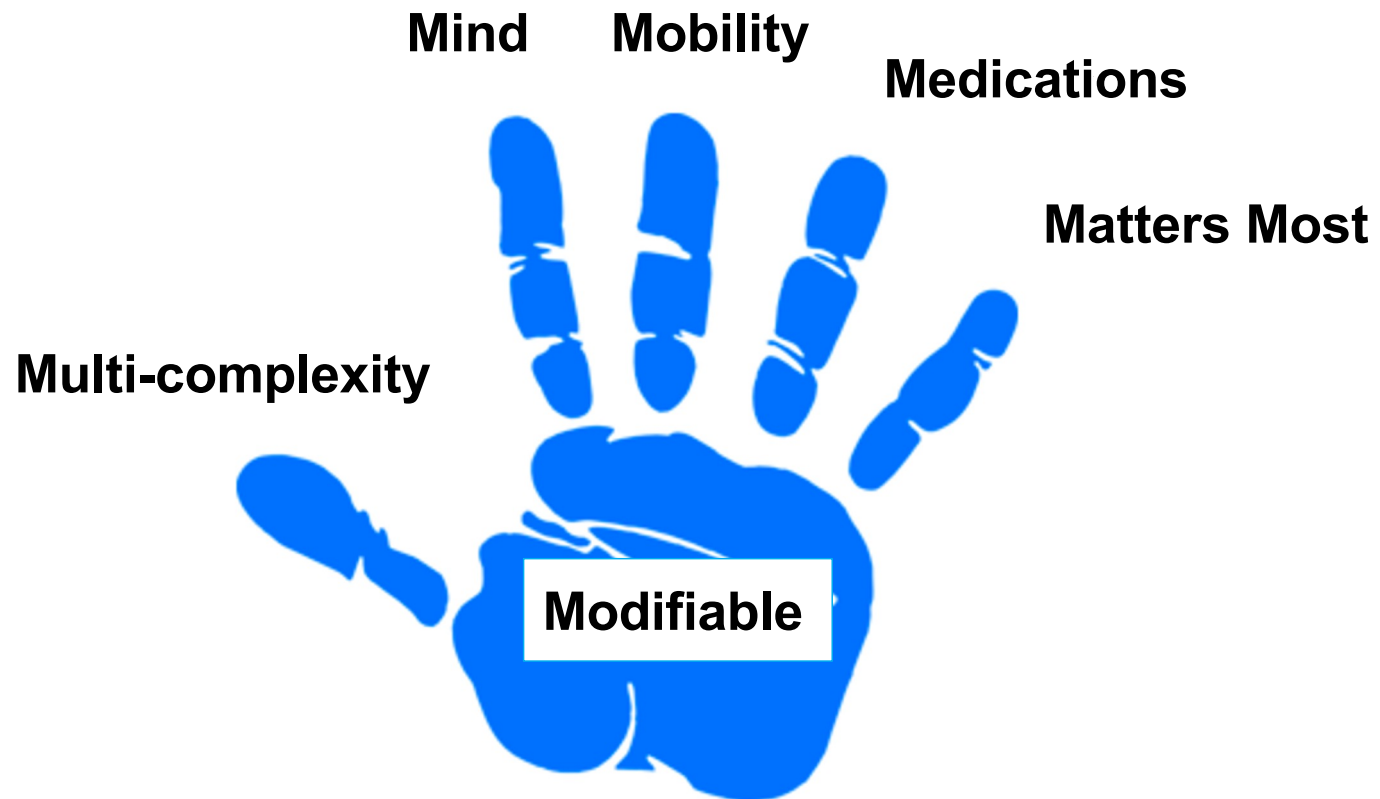
- Comprehensive Geriatric Assessment
- Cognitive Evaluation
- Mobility Assessment
- Medication Management
- Advance Care Planning
- ...and more!



# Geriatric 5 M's



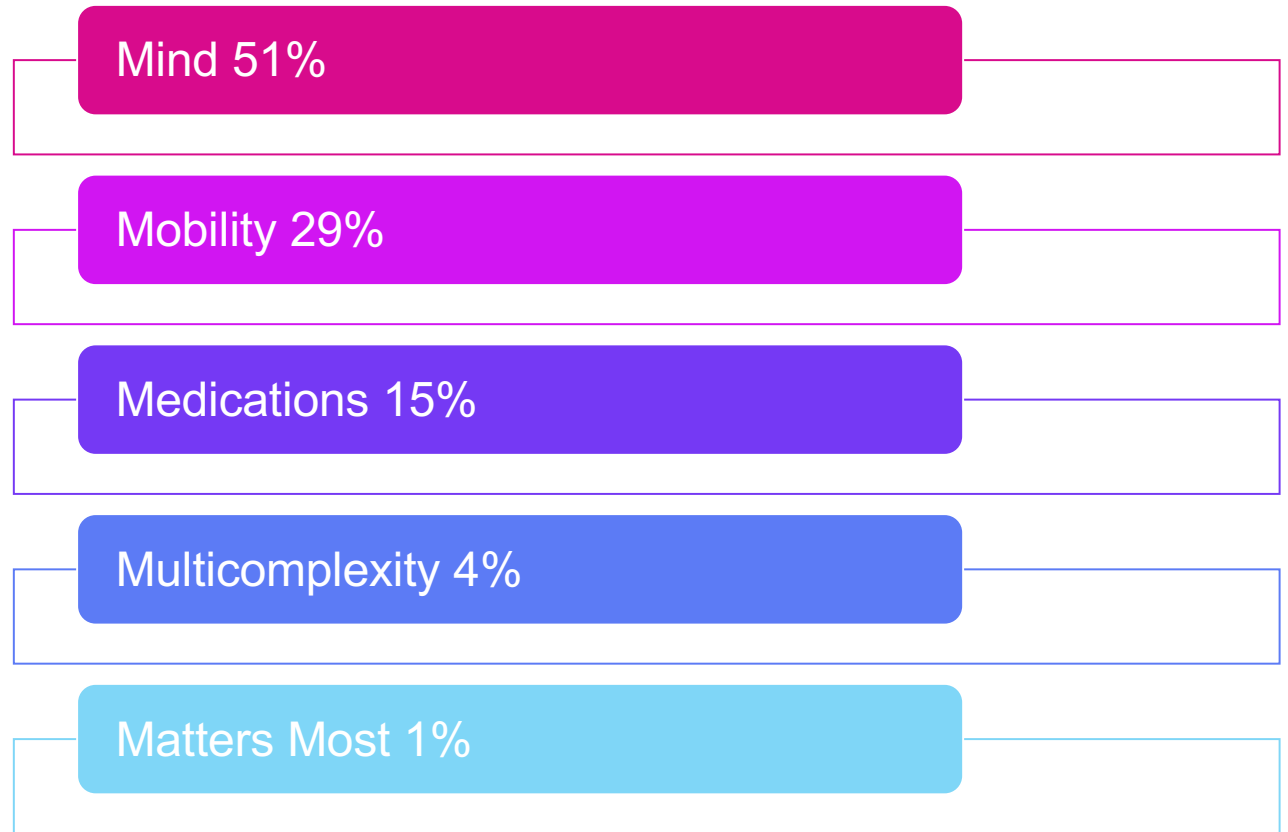
# Geriatric-HIV Medicine: the M's



**9/2020-8/2021**

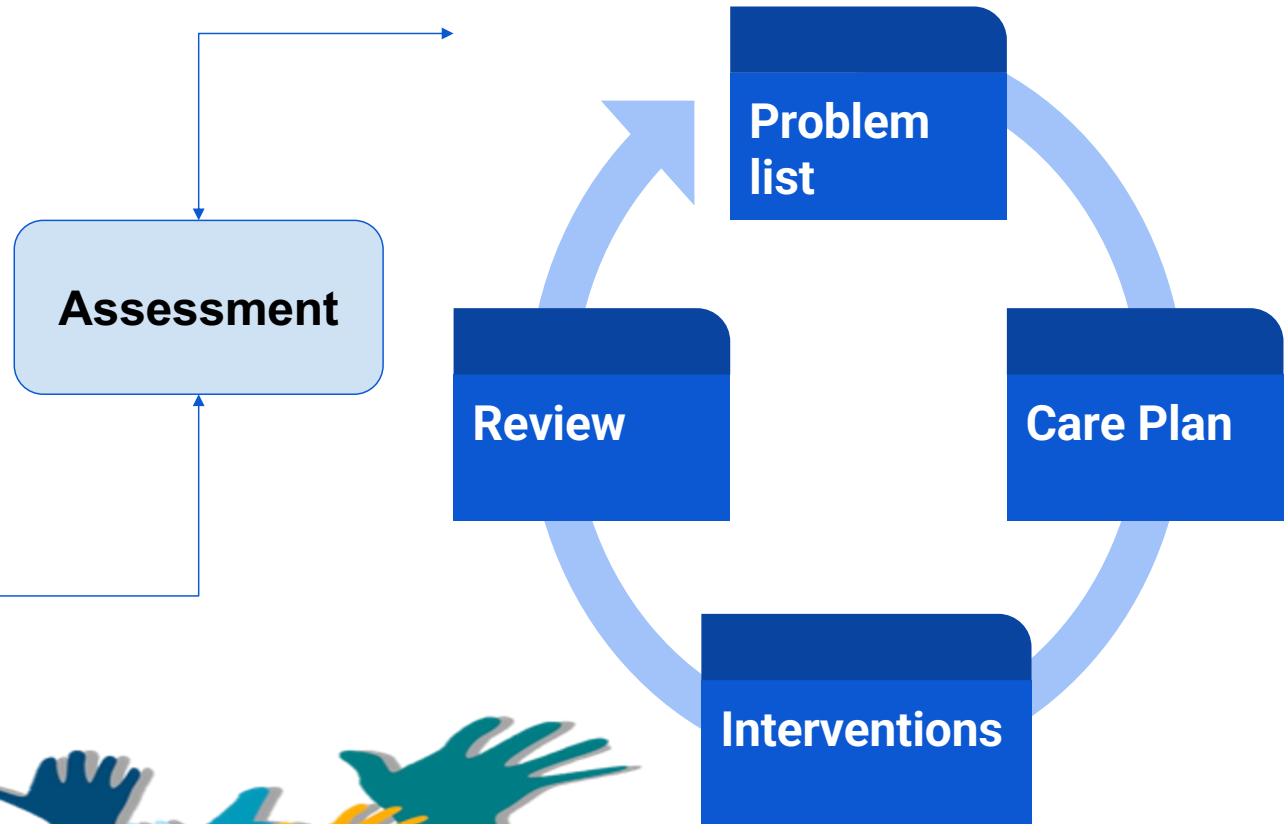
158 patients

Average age  
67 yrs old



# Comprehensive Geriatric Assessment

1. Medical
2. Functional
3. Psychological
4. Sexual
5. Spiritual
6. Social
7. Environmental
8. Goals of Care



# Screenings

Depression (PHQ4/9) **MIND**

Anxiety (PHQ4/GAD7) **MIND**

Cognition (mini-cog/MOCA) **MIND**

Falls (2 item Falls Screening Questionnaire) **MOBILITY**

Frailty (FRAIL scale) **MOBILITY**

Functional status (ADLs/IADLs) **MIND/MOBILITY**

Hearing **MULTIMORBIDITY**

Vision **MULTIMORBIDITY**

Alcohol/Tobacco/Drugs **MODIFIABLE**

Nutrition **MODIFIABLE**

Physical activity **MOBILITY/ MODIFIABLE**

Prognosis (VACS index) **MATTERS MOST**

Polypharmacy/ Beers Criteria/ Anticholinergic burden score **MEDS**

Advance care planning (HCP) **MATTERS MOST**

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# CLINICAL GUIDELINES PROGRAM

NEW YORK STATE DEPARTMENT OF HEALTH AIDS INSTITUTE | HIV • HCV • SUBSTANCE USE • LGBT HEALTH

## Guidance for Addressing the Needs of Older Patients in HIV Care

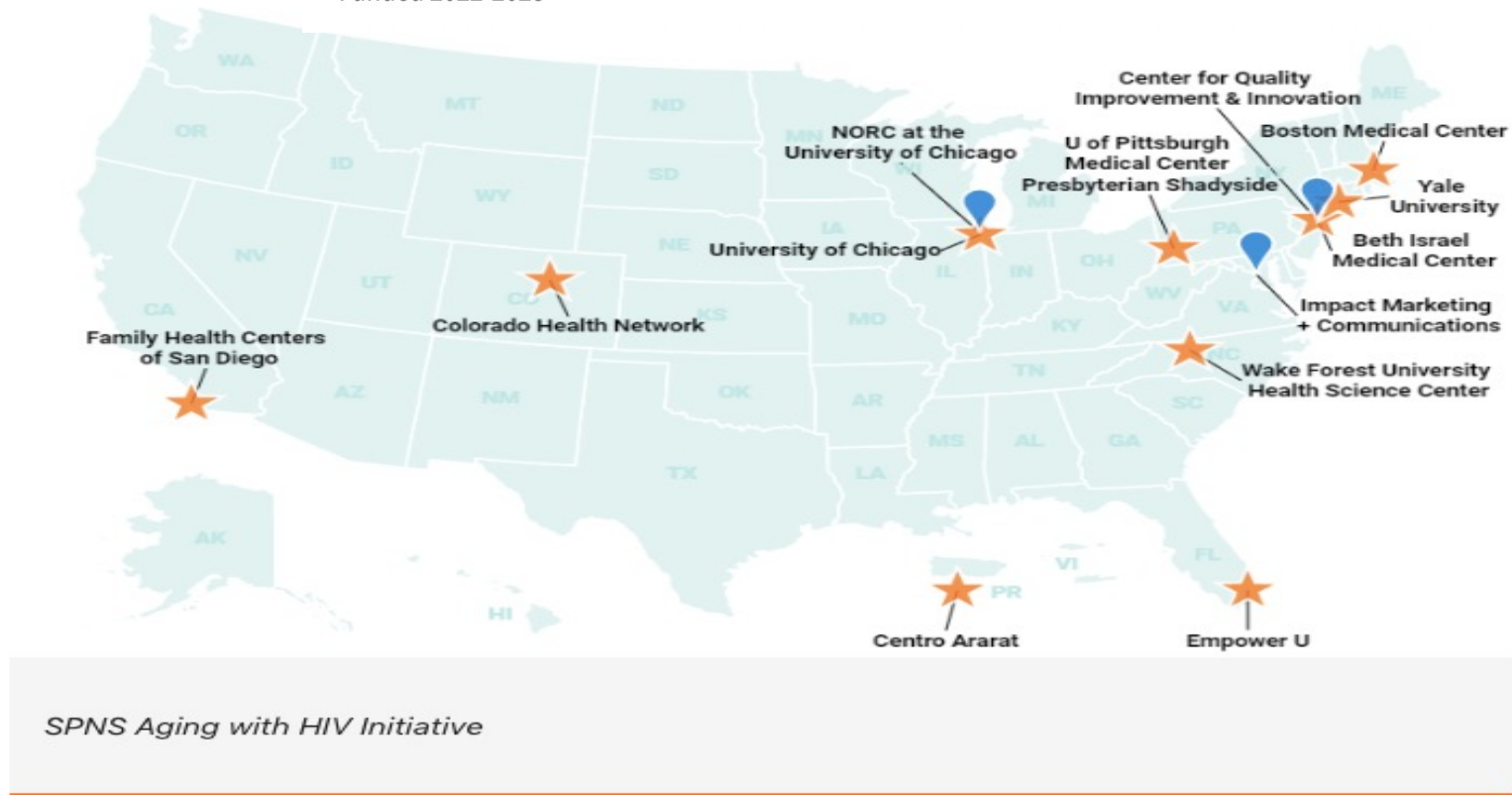
*Lead author: Eugenia L. Siegler, MD, with the Medical Care Criteria Committee, July 2020*





## Emerging Strategies to Improve Health Outcomes for People Aging with HIV

*Funded 2022-2025*



<https://targethiv.org/spns/aging>

# The Comprehensive Program of Integrated Care for Older Adults with HIV

**Keith Haring Foundation**

**Health Resources and Services Administration**



<https://www.haring.com/!art-work/886>

## **Interdisciplinary Team**

- Geriatrician
- Nurse
- Pharmacist
- Social Worker
- **Community Health Worker**



# Community Health Worker (CHW)



Support



Education



Outreach



Care coordination



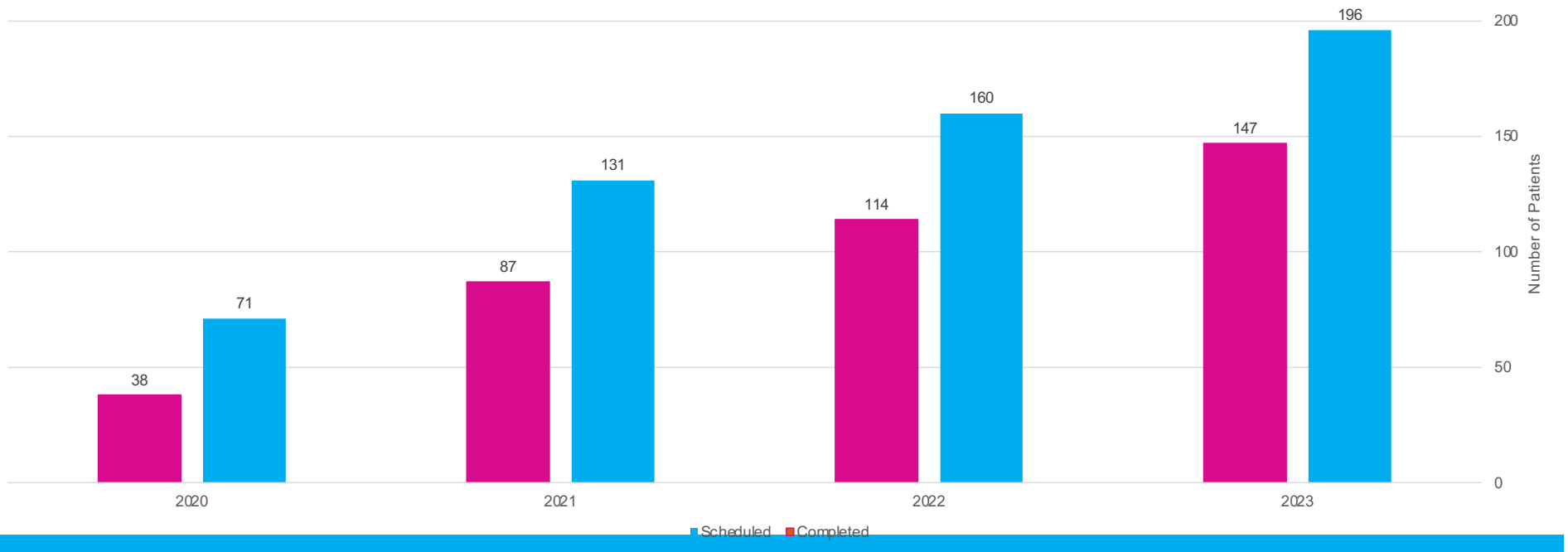
Health system  
navigation



Geriatric  
screenings

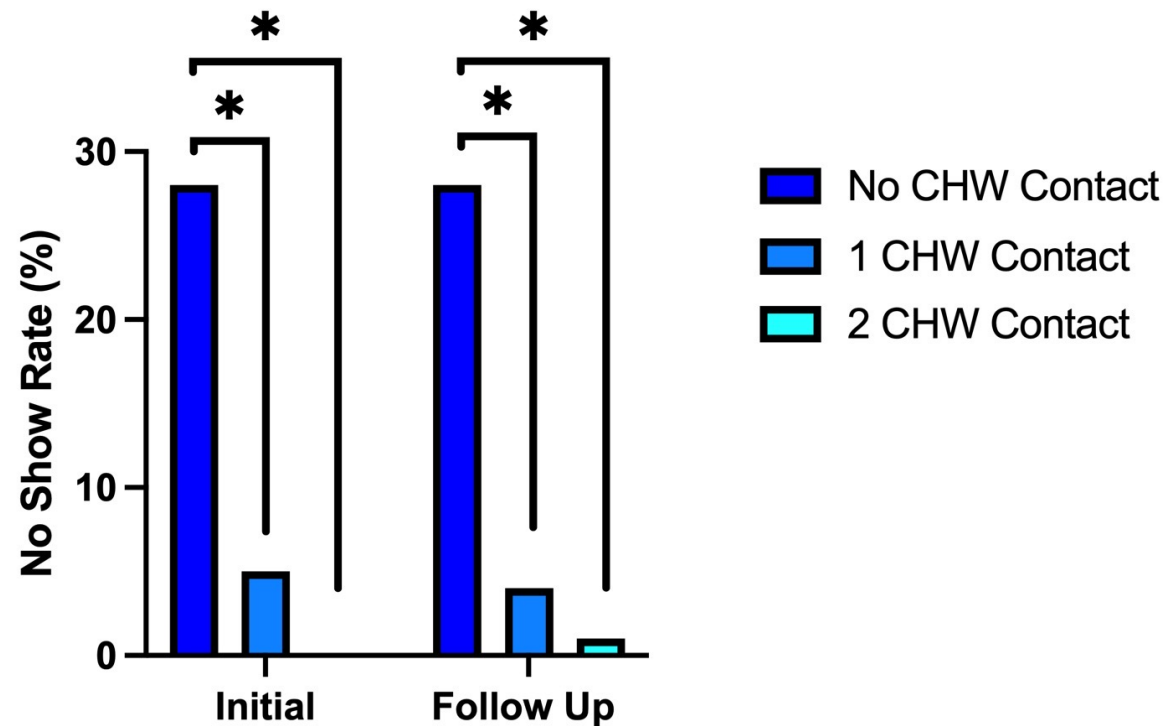
# Program Outcomes

Geriatric Consultations at The Comprehensive Program of Integrated Care for Older Adults with HIV



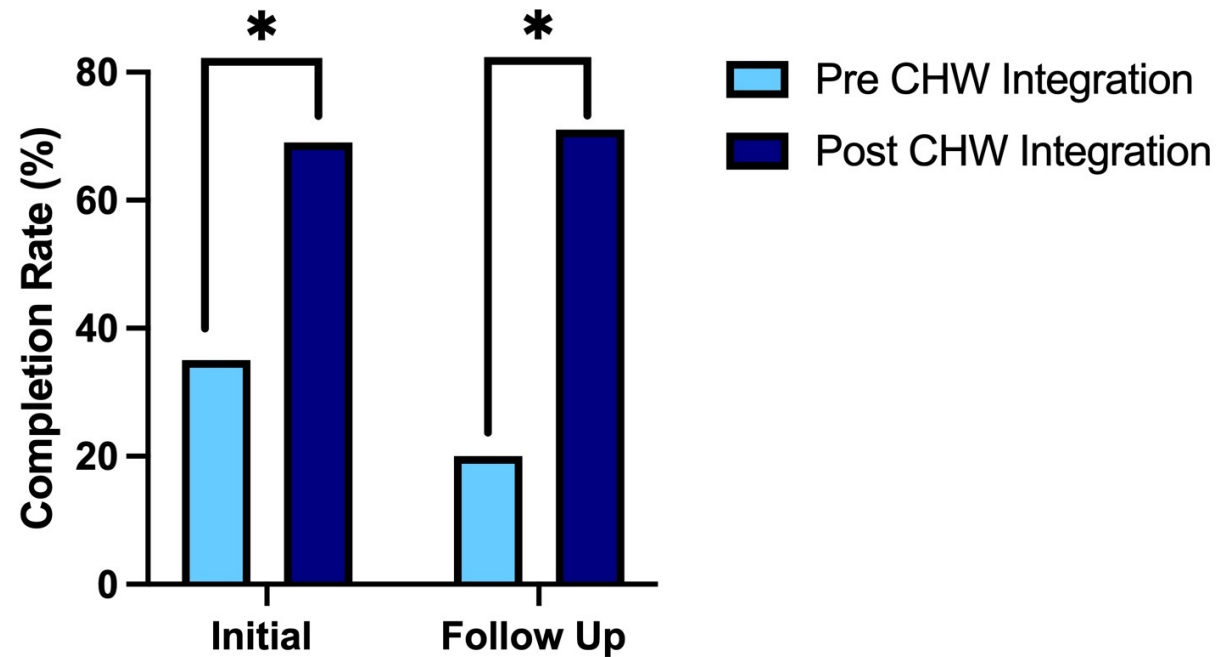
# ***Intervention Outcomes: Pre-Visit***

## **CHW Pre-Visit Contact Reduces “No Show” Rates**



# ***Intervention Outcome: Post Visit - Referrals***

**Referral Completion Rate Increased with CHW Integration**





## Disclaimer

There is NO gold standard  
model of HIV-geriatric care!



RESEARCH

Open Access

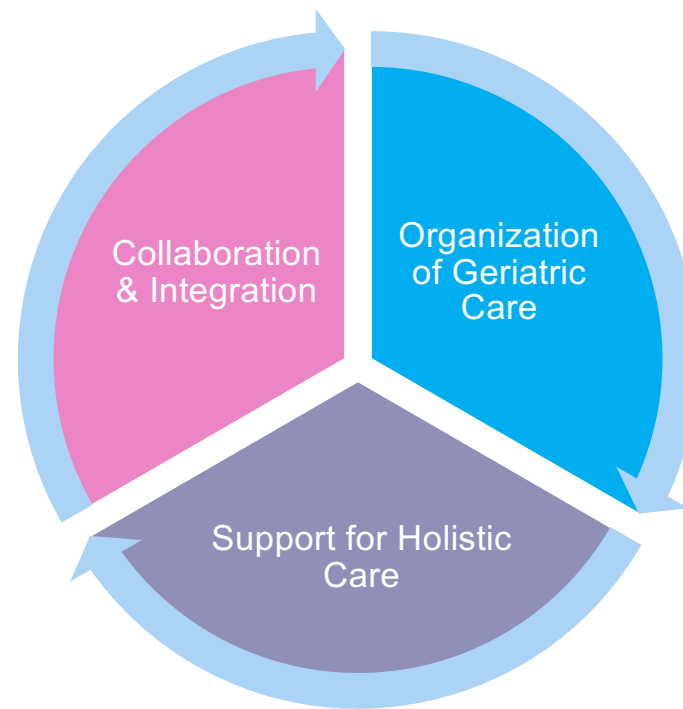


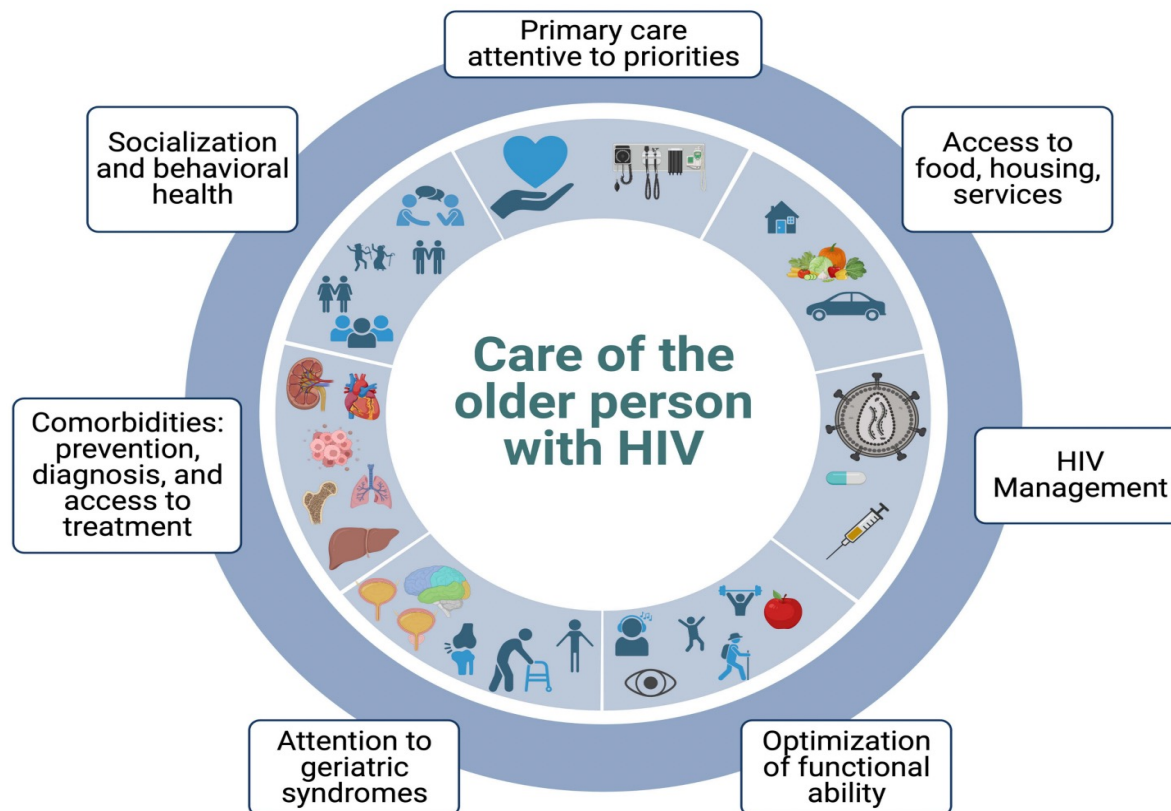
# Understanding geriatric models of care for older adults living with HIV: a scoping review and qualitative analysis

Kristina Marie Kokorelias<sup>1,2,3</sup>, Anna Grosse<sup>1,4</sup>, Alice Zhabokritsky<sup>5,6,7</sup> and Luxey Sirisegaram<sup>1,4\*</sup>



# Model Components of HIV-Geriatric Care





**Figure 1** Components of care of the older person with HIV.

**Notes:** Adapted from “7 panels in a circular layout”, by BioRender.com (2020). Retrieved from <https://app.biorender.com/biorender-templates>. Created with BioRender.com.



**Thank You!**

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Mount  
Sinai**