

Health for all - Increasing Inclusion for People with Disabilities

Learning collaborative session 1:

*The National Center for Health in Public
Housing*



Housekeeping

- All participants muted upon entry
- Engage in chat
- Raise hand if you would like to unmute
- Meeting is being recorded
- Slides and recording link will be sent via email

The Zoom logo is displayed in a bold, blue, lowercase sans-serif font.

National Center for Health in Public Housing

- The National Center for Health in Public Housing (NCHPH) is supported by the Health Resources and Services Administration (HRSA) of the U.S. Department of Health and Human Services (HHS) under grant number U30CS09734, a National Training and Technical Assistance Partner (NTTAP) for \$2,006,400 and is 100% financed by this grant. This information or content and conclusions are those of the author and should not be construed as the official position or policy of, nor should any endorsements be inferred by HRSA, HHS or the U.S. Government.
- The mission of the National Center for Health in Public Housing (NCHPH) is to strengthen the capacity of federally funded Public Housing Primary Care (PHPC) health centers and other health center grantees by providing training and a range of technical assistance.



Today's speakers



**Fide Pineda
Sandoval, CHES**
Manager of Training
and Technical
Assistance



**Kevin Lombardi MD,
MPH**
Manager of Policy,
Research, and Health
Promotion



Jose Leon MD
Chief Medical
Officer



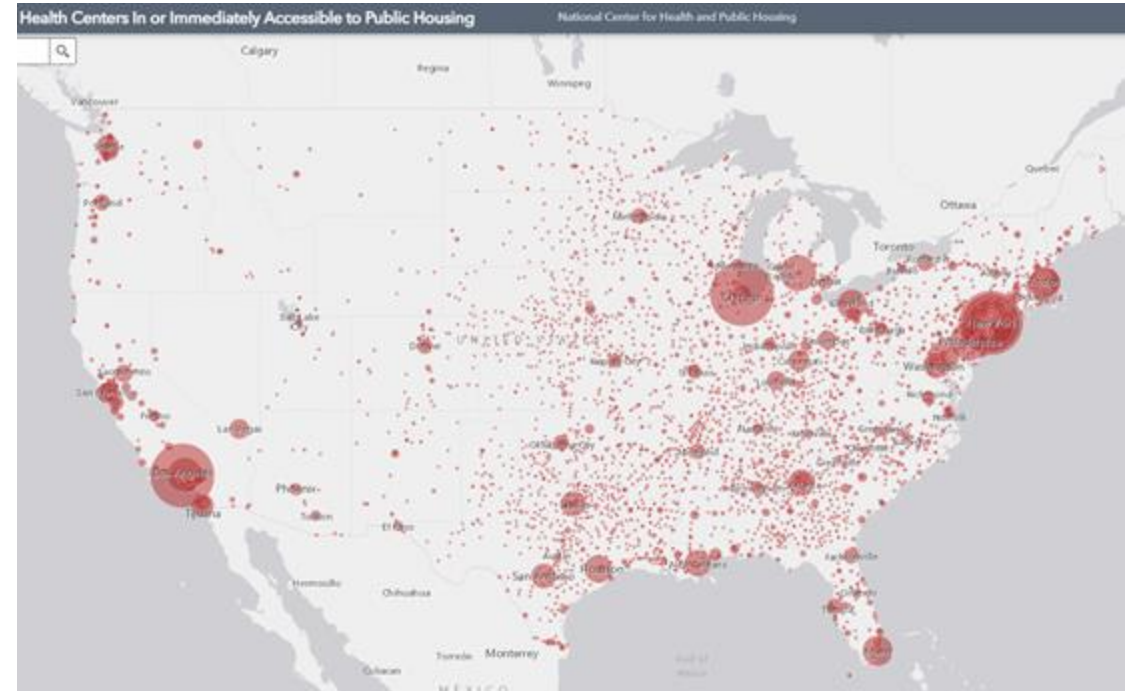
Chantel Moore, MA
Communications Manager
at North American
Management



Health Centers Close to Public Housing

- **1,370 Federally Qualified Health Centers (FQHC) = 30.5 million patients**
- **483 FQHCs In or Immediately Accessible to Public Housing = 6.1 million patients**
- **107 Public Housing Primary Care (PHPC) = 935,823 patients**

Source: [2022 Health Center Data](#)



Source: [Health Centers in or Immediately Accessible to Public Housing Map](#)

Public Housing Demographics



1.5 Million
Residents



2 Persons
Per Household



38% Disabled



52% White



91% Low
Income



43% African-
American



26% Latinx



19% Elderly



36% Children



32% Female Headed
Households with
Children

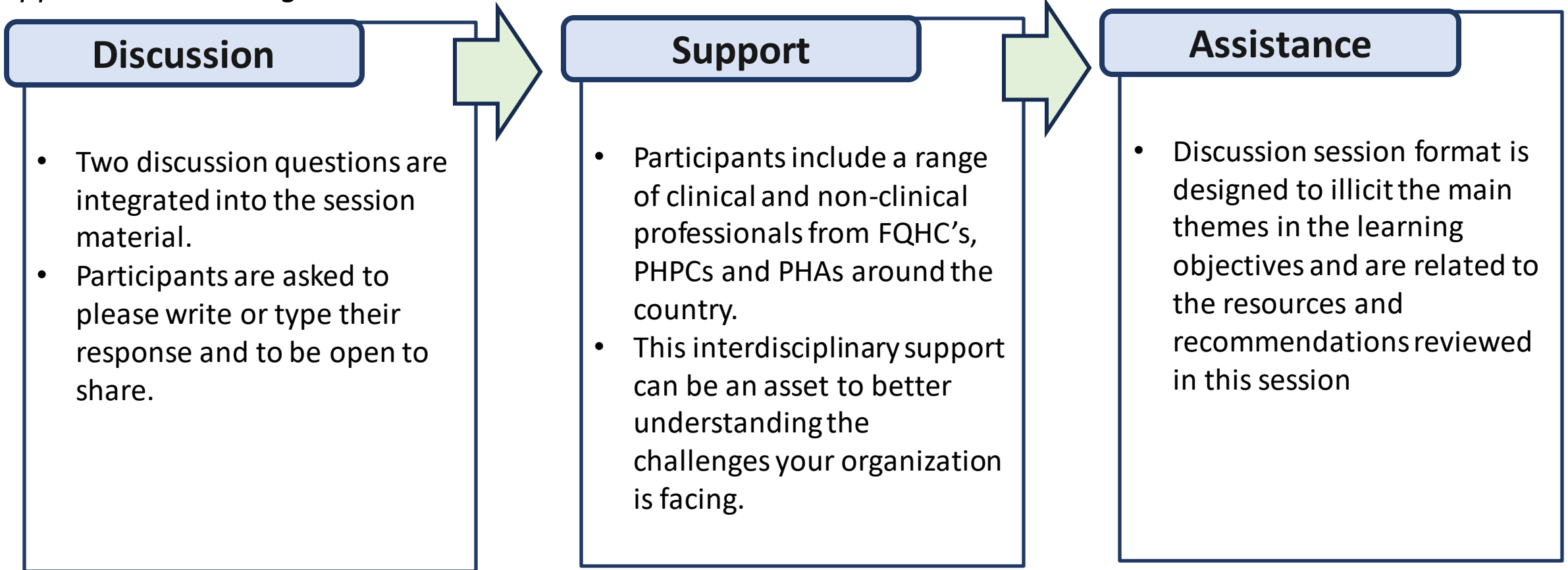
Understanding the perspective of individuals experiencing disability:

This session will include the following material (overview):

In our first session we will engage collectively with data, research and case studies which outline the clinical and non-clinical realities faced by individuals with different types of disability. This will include:

1. Case Study Review
2. Recent Data Overview
3. Review of recent publications and resources on the topic

This session is designed to illicit discussion, process sharing and support between colleagues. The session framework will reflect these priorities. The – Discussion – Support – Assistance model describes NCHPHs approach to Training and Technical Assistance



NCHPH presentations are designed to be utilized as external resources by FQHCs PHPCs and PHAs these can be freely circulated to partners and colleagues as needed.

Research and Clinical Resources

- Cited resource links are located at the bottom right of the slides.
- Resources are publicly available and can be shared internally or externally.
- Cited research is investigated and validated during a structured review process.



Guidance and Recommendations

- Recommendations are based on NCHPH internal research or validated external research.
- Practice recommendations presented are reviewed and validated by the NCHPH team.

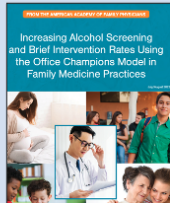


Support and Consultation Resources

- NCHPH staff members and SMEs are available to FQHCs, PHPCs, PHAs and partner organization for consulting and advising services.

Improving Screening for Alcohol Use Disorder

Practice Recommendations



Resource Download: [Increasing Alcohol Screening](#)

Practice Recommendations



- Organizations can improve screening utilizing the “office champions” model.
- The model can be easily integrated into health center workflow.
- Integrates into existing workflow models already utilized by health centers.




HRSA Health Center Program Practice Recommendations: HRSA Patient Survey

Question MEN1E_r (recode)
 “During the past 30 days how often did you feel that everything was an effort all or most of the time?”

Percent of patients reporting any of these feelings in the past 30 days:

| | |
|---|--|
|  All FQHC* patients 9.4% <small>CI: 7.2-12.1</small> |  All HUD-Assisted* patients 17.2% <small>CI: 4.8-17.5</small> |
|---|--|

Link to Resource: [2022 Health Center Patient Survey](#)




Long-COVID: Mental Health and Systemic Sequelae

Review


Symptoms, complications and management of long COVID: a review

Olatokun Lee Aiyegbusi^{1,2,3,4,5}, Sarah E. Hughes^{1,2,3}, Grace Turner^{1,2}, Samantha Cruz Rivera^{3,4}, Charisel McMullan^{1,2}, Joti Singh Chaudhan¹, Shami Haroon¹, Gary Price¹, Elin Haf Davies⁶, Krishnarajah Nirantharajam^{1,2}, Elizabeth Sapey^{8,9}, Melanie J Calvert^{1,2,5,10,11}, and on behalf of the TLoC Study Group

Abstract
 Globally, there are now over 160 million confirmed cases of COVID-19 and more than 3 million deaths. While the majority of infected individuals recover, a significant proportion continue to experience symptoms and complications after their acute illness. Patients with “long COVID” experience a wide range of physical and mental/psychological symptoms. Prevalence data showed the 10 most prevalent reported symptoms were fatigue, shortness of breath, muscle pain, joint pain, headache, cough, chest pain, altered smell, altered taste and diarrhoea. Other common symptoms were cognitive impairment, memory loss, anxiety and sleep disorders. Beyond symptoms and complications, people with long COVID often reported impaired quality of life, mental health and employment issues. These individuals may require multidisciplinary care involving the long-term monitoring of symptoms, to identify potential complications, physical rehabilitation, mental health and social services support. Resilient healthcare systems are needed to ensure efficient and effective responses to future health challenges.



Resource download: [Symptoms, complications and management of long COVID: a review](#)



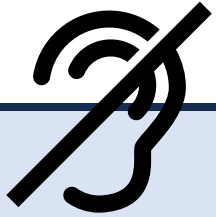
Link to Resource: [NCHPH](#)



HUD Disability Classifications

HUD divides disabilities into six main categories, most programs do not differ benefits based on type

Sensory



- Blindness
- Deafness
- Sensory Processing Disorder (SPD)

Physical



- Spinal cord injury
- Muscular dystrophy
 - Cerebral palsy
- Morbid or Super Morbid Obesity

Mental



- Schizophrenia
- Bipolar Disorder
- Neurodevelopmental Disorders

HUD Disability Classifications

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Self-care



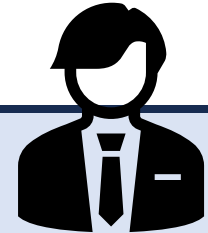
- Severe physical and intellectual impairments can often lead to deficits in self-care.

Go-outside-of-home



- Patients with certain types of anxiety disorders such as Agoraphobia find leaving their home extremely challenging.

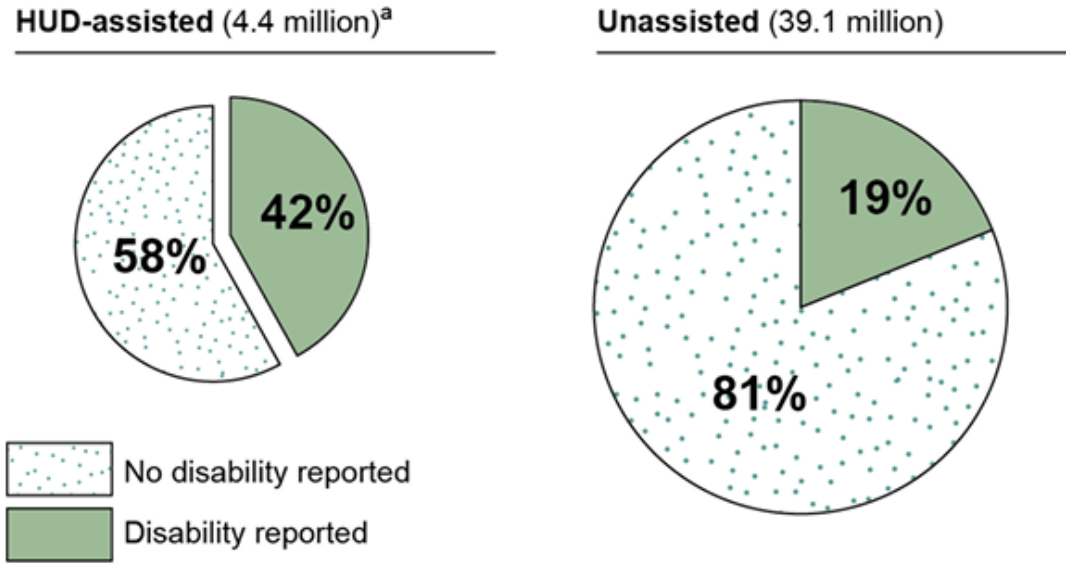
Employment



- Certain Physical or intellectual disabilities, both congenital and acquired can create severe barriers to employment.

By the Numbers: HUD-Supported Residents with Disability

Figure 1: Proportion of Renter Households Assisted and Unassisted by the Department of Housing and Urban Development (HUD) That Reported a Disability, 2019

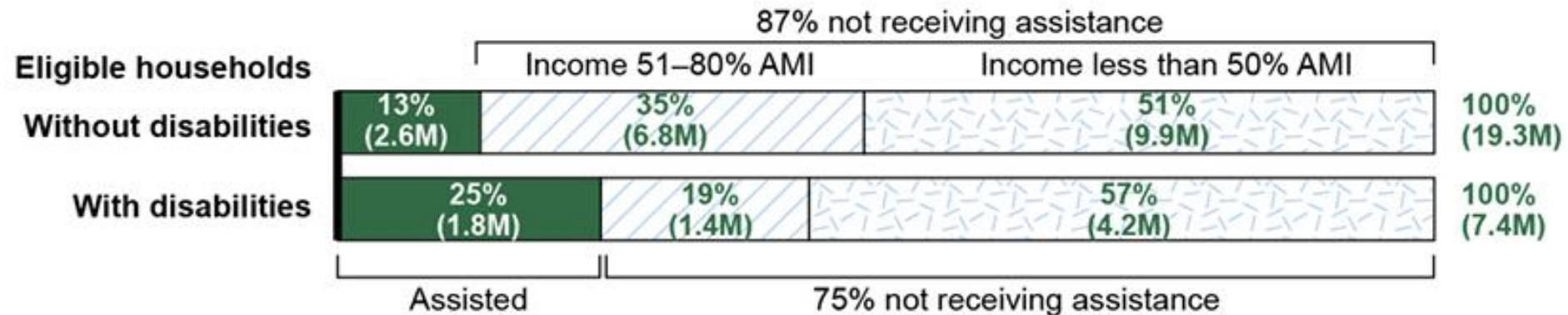


Source: GAO analysis of 2019 American Housing Survey. | GAO-23-106339

Note: Estimates in this figure have a relative margin of error of plus or minus 1–4 percent of the estimate at the 95 percent confidence level.

By the Numbers: HUD-Supported Residents with Disability

Figure 2: Income-Eligible Households That Received and Did Not Receive HUD Rental Assistance, by Income and Disability Status, 2019



AMI = area median income

HUD = Department of Housing and Urban Development

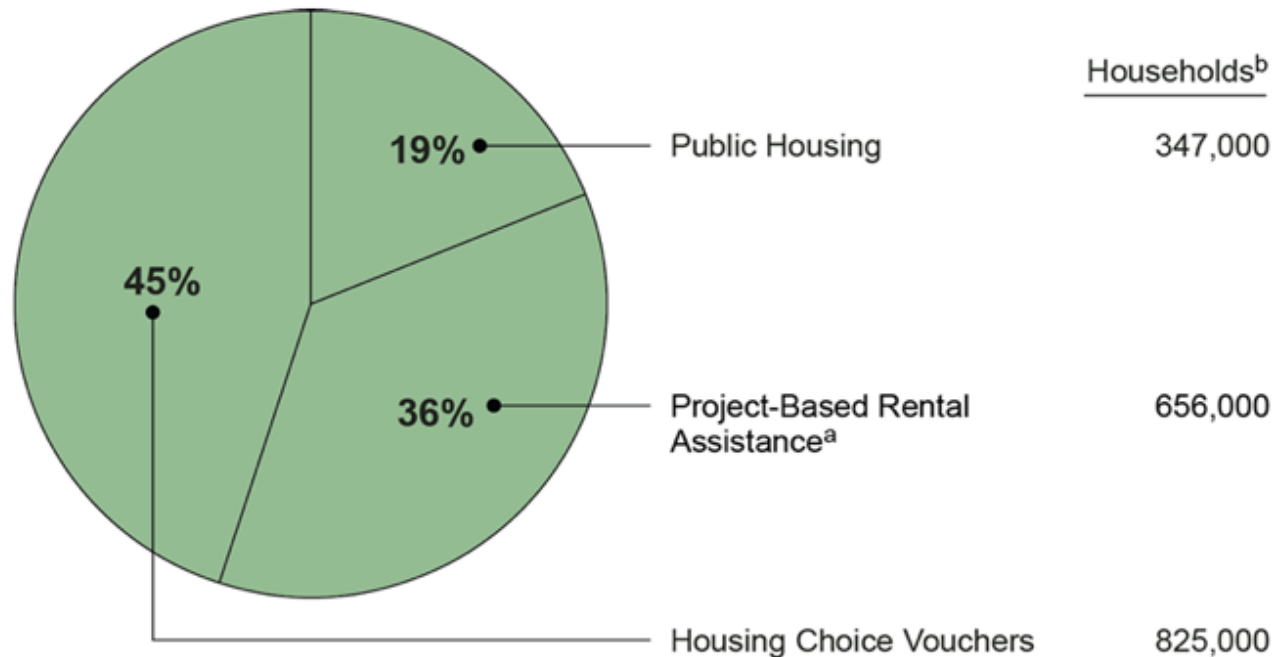
M = million

Source: GAO analysis of 2019 American Housing Survey. | GAO-23-106339

Link to resource: [GAO report](#)

By the Numbers: HUD-Supported Residents with Disability

Figure 3: Estimated Number and Percent of Assisted Households with Disabilities, by Type of Department of Housing and Urban Development (HUD) Rental Assistance, 2019



Source: GAO analysis of 2019 American Housing Survey. | GAO-23-106339

Note: Estimates in this figure have a relative margin of error of plus or minus 6–11 percent of the estimate at the 95 percent confidence level.

^aAccording to the American Housing Survey (AHS), this figure includes project-based subsidies provided under Project-Based Section 8, Section 202 Supportive Housing for the Elderly, Section 811 Supportive Housing for

Case Study: Supporting Patients with Disabilities

Mr. Jones is a 57 year-old man who presents for a wellness exam. He has a past medical history of T2DM, and hypertension. The patient has a behavioral health history of Major Depressive Disorder (MDD), post-traumatic stress disorder (PTSD), Generalized Anxiety Disorder (GAD) and Tobacco Use Disorder (remission for 1 years as of 2018). Mr. Jones is a combat veteran. Your health center has a large veteran population and is in the suburban area of a medium-sized city. Mr. Jones identifies as African-American.

The patient undergoes a standard intake, including vitals and an SDOH screener. The results are as follows:

BP: 178/98

HR: 92

RR: 18

A review of Mr. Jones' medical records indicates the following:

Vitals (2018):

BP: 138/98

HR: 60

RR: 18

HbA1c: 7.0

Drug Screen: Pan-negative

Prescribed Medications: Metformin, Chlorothiazide, Citalopram (Celexa)



The results of Mr. Jones' SDOH screener reveal the following:

Appendix

WellRx Questionnaire

DOB _____ Male ___ Female _____

WellRx Questions

1. In the past 2 months, did you or others you live with eat smaller meals or skip meals because you didn't have money for food?

Yes

_____ No

2. Are you homeless or worried that you might be in the future?

Yes

_____ No

3. Do you have trouble paying for your utilities (gas, electricity, phone)?

Yes

_____ No

4. Do you have trouble finding or paying for a ride?

Yes

_____ No

5. Do you need daycare, or better daycare, for your kids?

_____ Yes

No

[Link: To Resource](#)

____ Yes

6. Are you unemployed or without regular income?

Yes

____ No

____ No

7. Do you need help finding a better job?

Yes

____ No

8. Do you need help getting more education?

____ Yes

No

9. Are you concerned about someone in your home using drugs or alcohol?

Yes

____ No

10. Do you feel unsafe in your daily life?

____ Yes

No

11. Is anyone in your home threatening or abusing you?

____ Yes

No

The WellRx Toolkit was developed by Janet Page-Reeves, PhD, and Molly Bleecker, MA, at the Office for Community Health at the University of New Mexico in Albuquerque. Copyright © 2014 University of New Mexico.

[Link: To Resource](#)



Case Study: Supporting Patients with Disabilities

Mr. Jones is treated by his provider, who is also a combat veteran. Upon physical examination Mr. Jones is noted to be withdrawn and to exhibit closed body language. His responses are terse, and he seems irritated. His physical examination is positive for 1+ pitting edema and darkened skin around his neck and groin area. New results are positive for an HbA1c of 8.2

When Questioned Regarding the Results of His SDOH Screener Mr. Jones Reveals the following:

1. Mr. Jones worked as a construction foreman until 6 months ago when he was laid off. His unemployment insurance ran out 3 months ago.
2. He is behind on his utilities and his car is not operable. He uses uber and walks for transportation.
3. Mr. Jones reports more frequent panic attacks in the past six months (2 x per week vs 1x per month one year ago)
4. Mr. Jones is single and does not have any family in the area.
5. Mr. Jones has been taking a half dose of his prescription medications because he can no longer afford the medication.

Mr. Jones is asked if he is interested in treatment for his behavioral health conditions or SDOH issues but avoids answering the question. When questioned **he notes that he prefers to deal with his private life by himself. When asked why he notes that in the past he has had difficulty connecting with his providers and that he felt judged.**

Case Study: Supporting Patients with Disabilities

Please take a moment to write or type your response to the following:

What is your assessment of Mr. Jones' clinical condition? Is it getting worse or better? Why?

How could a patient like Mr. Jones be encouraged to seek supportive services?

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The WellRx Toolkit was developed by Janet Page-Reeves, PhD, and Molly Bleecker, MA, at the Office for Community Health at the University of New Mexico in Albuquerque. Copyright © 2014 University of New Mexico.

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Self-reported disability details by housing type: HRSA Health Center patient survey (2022)

| Disability Detail | All other Housing (%) | | | | | Public Housing (%) | | | |
|--|-----------------------|-----------|-----------------------|-----------|--------|--------------------|-----------|--------|--|
| | All other Housing (%) | 95% CI | All HUD-assisted* (%) | 95% CI | p | Public Housing (%) | 95% CI | p | |
| n (weighted) = 27,224,243 | | | | | | | | | |
| Deaf or serious difficulty hearing | 7 | 5.3-9.3 | 10.1 | 5.9-16.8 | 0.3646 | 9.6 | 4.5-21 | 0.7321 | |
| Blind or serious difficulty seeing | 8 | 5.9-10.2 | 13.4 | 8.9-20.5 | 0.0458 | 12.8 | 6.8-23.0 | 0.1807 | |
| Difficulty with self-care such as walking | 10.9 | 8.8-13.5 | 22.8 | 15.6-32.0 | 0.0005 | 12.8 | 8.8-18.8 | 0.0254 | |
| Difficulty with eating | 6.3 | 4.9-8.1 | 10 | 5.4-18.0 | 0.197 | 10.7 | 5.4-17.1 | 0.0014 | |
| Difficulty getting out of bed or chairs | 13.4 | 10.7-16.6 | 23.1 | 17.1-30.5 | 0.003 | 18.4 | 12.6-24.2 | 0.011 | |
| Has fallen in the past 12 months | 20.1 | 17.1-24.6 | 25.9 | 18.4-35.2 | 0.4245 | 21 | 12.6-33.0 | 0.9536 | |
| Fallen more than 4 times in past 12 months | 3.7 | 2.4-5.8 | 6.1 | 2.4-14.4 | 0.3305 | 4.7 | 1.4-14.7 | 0.7688 | |
| Patient experienced any injury as the result of reported falls | 41.9 | 35.3-48.7 | 58.9 | 42.1-73.8 | 0.0585 | 58.2 | 35.7-77.7 | 0.2588 | |

**95% Confidence Interval
(95% range of real possibility)**

**P – value
(statistical significance)**



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| Deaf or serious difficulty hearing | 7 | 5.3-9.3 | 10.1 | 5.9-16.8 | 0.3646 | 9.6 | 4.5-21.2 | 0.7321 |
| Blind or serious difficulty seeing | 2 | 0.1-1.2 | 8 | 3.1-12.8 | 0.0007 | 8 | 3.1-12.8 | 0.807 |
| Difficulty with self-care such as washing or dressing | 5 | 2.5-7.5 | 5 | 2.5-7.5 | 0.9554 | 5 | 2.5-7.5 | 0.54 |
| Difficulty with eating | 1 | 0.1-1.1 | 3 | 1.3-5.3 | 0.014 | 1 | 0.1-1.1 | 0.14 |
| Difficulty getting out of bed or chairs | 13.4 | 10.7-16.6 | 23.1 | 17.1-30.5 | 0.0037 | 27.5 | 17.0-41.2 | 0.011 |
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**All patients
(reference group)**

**All HUD-assisted
(comparison group 1)**

**Public housing only
(comparison group 2)**



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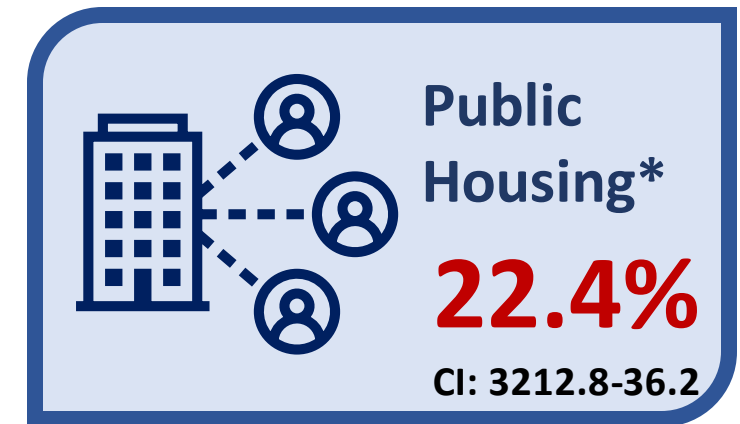
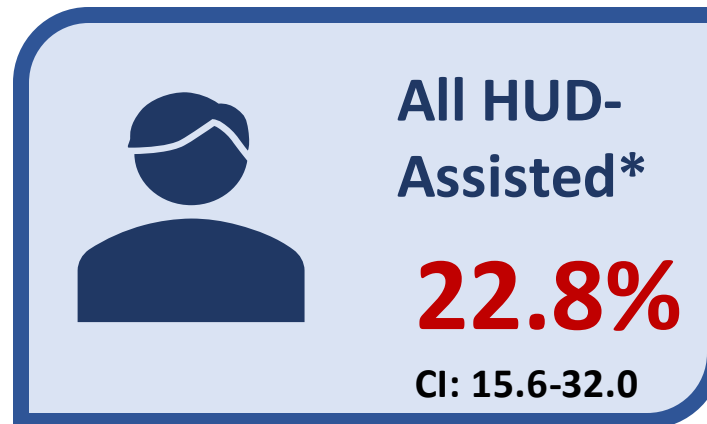
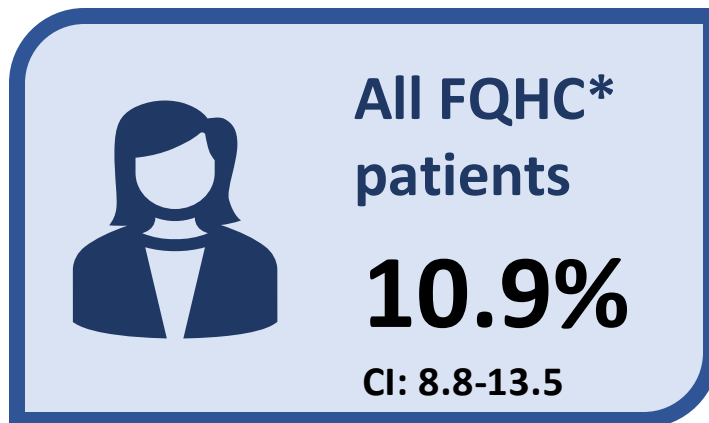
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Question CON27a_R (recode)

“Do you have any difficulty with self-care, such as washing all over or dressing?”

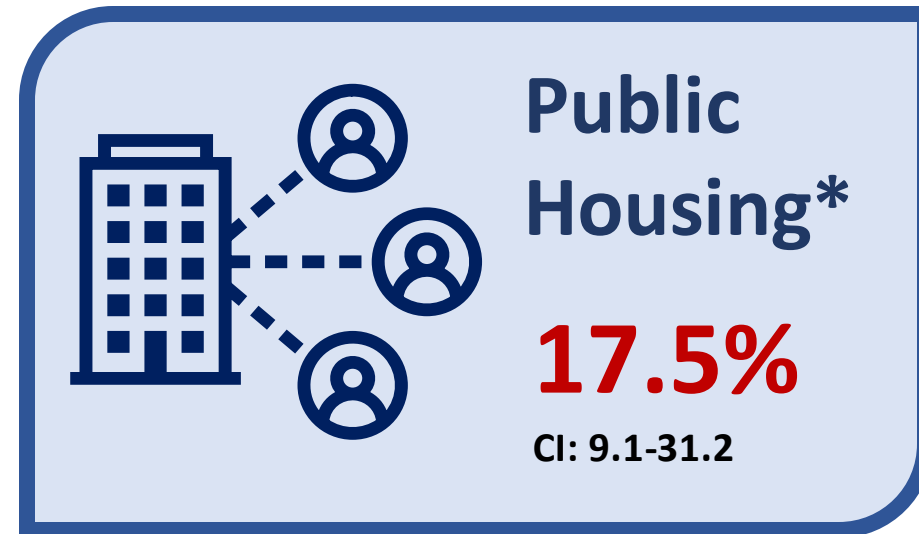
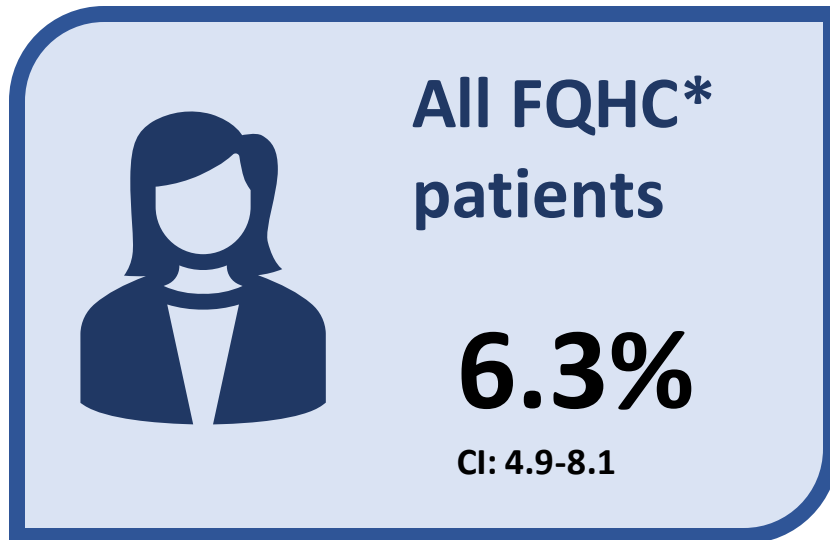
Study Results:



Question CON27b_R (recode)

“Do you have any difficulty with eating?”

Study Results:



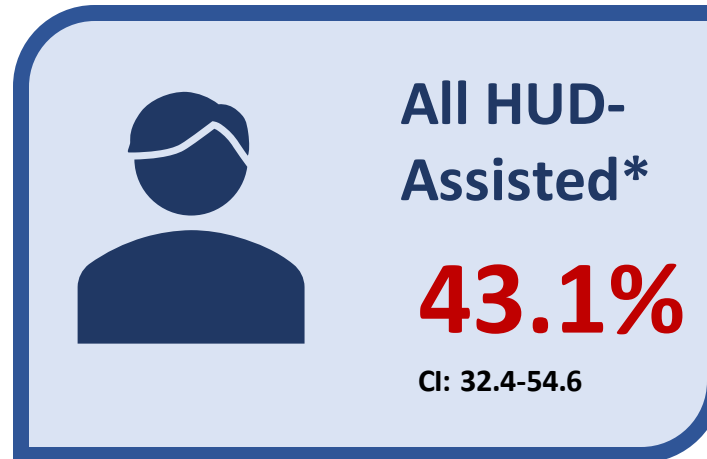
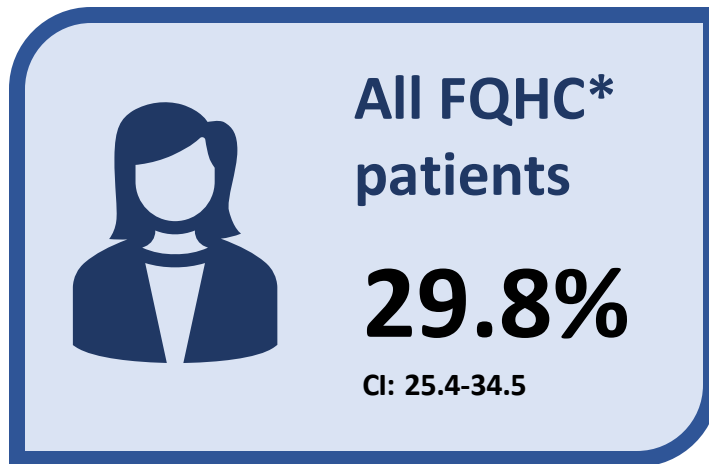
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| Has fallen in the past 12 months | 20.1 | 17.1-24.6 | 25.9 | 18.4-35.2 | 0.4245 | 21 | 12.6-33.0 | 0.9536 |
| Fallen more than 4 times in past 12 months | 3.7 | 2.4-5.8 | 6.1 | 2.4-14.4 | 0.3305 | 4.7 | 1.4-14.7 | 0.7688 |
| Patient experienced any injury as the result of reported falls | 41.9 | 35.3-48.7 | 58.9 | 42.1-73.8 | 0.0585 | 58.2 | 35.7-77.7 | 0.2588 |

CON27c_R (recode)

“During the past 30 days how often did you feel that everything was an effort”

Study Results:



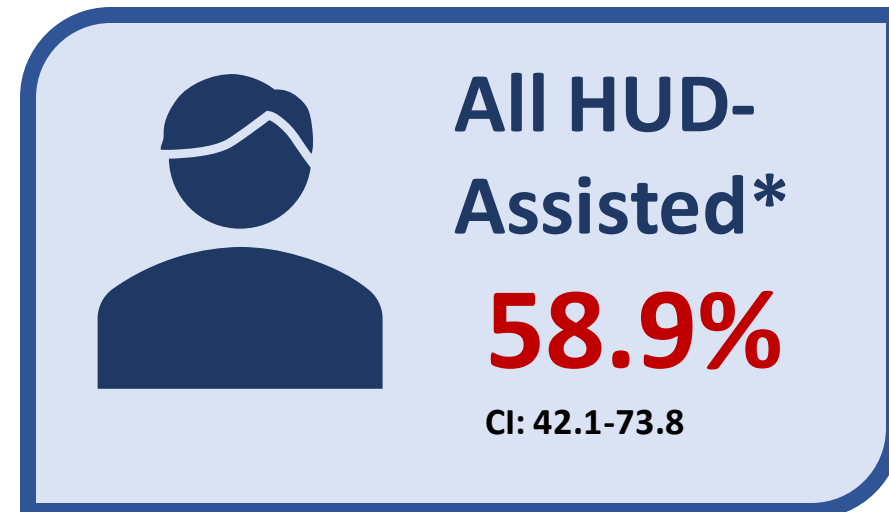
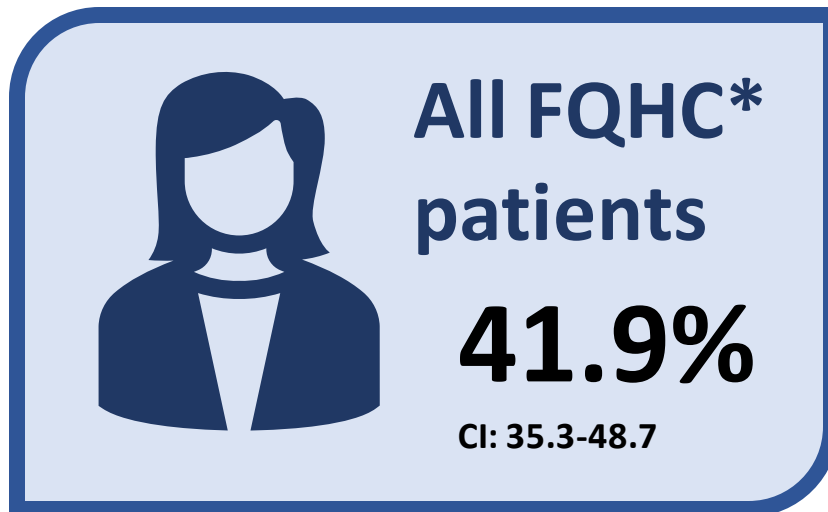
Self-reported disability details by housing type: HRSA Health Center patient survey (2022)

| n (weighted) = 27,224,243 | All other Housing (%) | 95% CI | All HUD-assisted* (%) | 95% CI | <i>p</i> | Public Housing (%) | 95% CI | <i>p</i> |
|--|-----------------------|-----------|-----------------------|-----------|----------|--------------------|-----------|----------|
| Deaf or serious difficulty hearing | 7 | 5.3-9.3 | 10.1 | 5.9-16.8 | 0.3646 | 9.6 | 4.5-21.2 | 0.7321 |
| Blind or serious difficulty seeing | 8 | 5.9-10.2 | 13.4 | 8.9-20.5 | 0.0458 | 12.8 | 6.8-23.0 | 0.1807 |
| Difficulty with self-care such as washing or dressing | 10.9 | 8.8-13.5 | 22.8 | 15.6-32.0 | 0.0005 | 22.4 | 12.8-36.2 | 0.0254 |
| Difficulty with eating | 6.3 | 4.9-8.1 | 10 | 5.4-18.0 | 0.1973 | 17.5 | 9.0-31.2 | 0.0014 |
| Difficulty getting out of bed or chairs | 13.4 | 10.7-16.6 | 23.1 | 17.1-30.5 | 0.0037 | 27.5 | 17.0-41.2 | 0.011 |
| Has fallen in the past 12 months | 20.1 | 17.1-24.6 | 25.9 | 18.4-35.2 | 0.4245 | 21 | 12.6-33.0 | 0.9536 |
| Fallen more than 4 times in past 12 months | 3.7 | 2.4-5.8 | 6.1 | 2.4-14.4 | 0.3305 | 4.7 | 1.4-14.7 | 0.7688 |
| Patient experienced any injury as the result of reported falls | 41.9 | 35.3-48.7 | 58.9 | 42.1-73.8 | 0.0585 | 58.2 | 35.7-77.7 | 0.2588 |

Question CON33_r (recode)

“How many of these falls (experienced in past 12 months)” caused an injury that limited your regular daily activities or caused you to go to see a doctor or health professional?”

Study Results:



Case Study: Continuity of Care to Support Behavioral Health

Mr. Jones is contacted by a staff member that works for your facility. He initially refuses assistance. The CHW offers the following resources, which lead to Mr. Jones agreeing to an initial consultation.

- 1. Consultation via Telehealth***
- 2. A community-based, African-American veteran CHW***

Mr. Jones meets his CHW via the facility telehealth mobile application. In the beginning of his appointment Mr. Jones has a short introductory session with his CHW, who uses the following techniques to make Mr. Jones more comfortable during his visit.

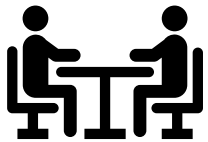
Case Study: Continuity of Care to Support Behavioral Health

Mr. Jones' CHW utilizes the following techniques to facilitate his interview.



Active listening: Fully comprehending the client response through verbal and nonverbal cues, including client emotional state. Complete concentration on the client

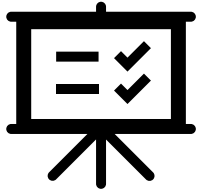
Adaptive questioning: Starting with general questions, then becoming more specific.



Nonverbal communication: Staying in-tune with client posture and body language.

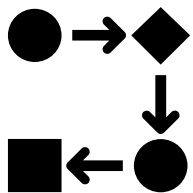
Case Study: Continuity of Care to Support Behavioral Health

Mr. Jones's CHW utilizes the following techniques to facilitate his interview (continued)



Empathy, validation, reassurance: Telling the client that their emotions are reasonable

Partnering and summarization: Playing a coach-like role with the patient, talking-back the patient responses to ensure they are and feel understood.



Transitions and empowerment: Letting the client know what steps are next can help to lower provider and client anxiety.

The results of Mr. Jones; SDOH screener reveal the following:

Appendix

WellRx Questionnaire

DOB _____ Male ___ Female _____

WellRx Questions

1. In the past 2 months, did you or others you live with eat smaller meals or skip meals because you didn't have money for food?

Yes

_____ No

2. Are you homeless or worried that you might be in the future?

Yes

_____ No

3. Do you have trouble paying for your utilities (gas, electricity, phone)?

Yes

_____ No

4. Do you have trouble finding or paying for a ride?

Yes

_____ No

5. Do you need daycare, or better daycare, for your kids?

_____ Yes

No

[Link: To Resource](#)

____ Yes

____ No

6. Are you unemployed or without regular income?

Yes

____ No

7. Do you need help finding a better job?

Yes

____ No

8. Do you need help getting more education?

____ Yes

No

9. Are you concerned about someone in your home using drugs or alcohol?

Yes

____ No

10. Do you feel unsafe in your daily life?

____ Yes

No

11. Is anyone in your home threatening or abusing you?

____ Yes

No

The WellRx Toolkit was developed by Janet Page-Reeves, PhD, and Molly Bleecker, MA, at the Office for Community Health at the University of New Mexico in Albuquerque. Copyright © 2014 University of New Mexico.

[Link: To Resource](#)

Case Study: Continuity of Care to Support Behavioral Health

During consultation Mr. Jones' CHW utilizes the Framework of the SDOH to determine facility resources to meet his needs:



Education Access and Quality:

- *No resources identified for this client.*



Health Care Access:



- *Free transportation to health center via facility van service. Appointment reminders via facility appointment mobile application and text/*

Neighborhood and Built Environment:

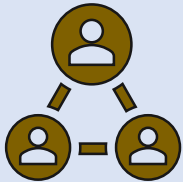
- *Utilities vouchers provided from a local community-based organization.*
- *Social worker contacts utilities for discontinuation support.*



Case Study: Continuity of Care to Support Behavioral Health

During consultation Mr. Jones' CHW utilizes the Framework of the SDOH to determine facility resources to meet his needs:

Social and Community Context:

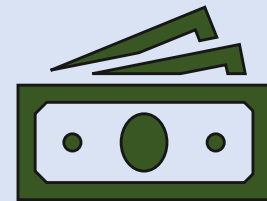


- *Local veteran social group.*
- *Tobacco cessation literature and resource pamphlets.*
- *Regular (bi-monthly) tobacco cessation check-ins*



Economic Stability:

- *Training and support services through facility Jobs Plus Site.*
- *Veterans peer-support group at local church.*
- *Temporary medication assistance*



Link to resources: [Jobs Plus Initiative](#)

Case Study: Continuity of Care to Support Behavioral Health

Please take a moment to write or type your response to the following:

How could telehealth via utilized at your institution to support Mr. Jones through his TUD recovery?

Case Study: Continuity of Care to Support Behavioral Health

During consultation Mr. Angelo's CHW utilizes the Framework of the SDOH to determine facility resources to meet his needs:



Education Access and Quality:

- No resources identified for this client.*



Health Care Access:



- Free transportation to health center via facility van service. Appointment reminders via facility appointment mobile application.*

Neighborhood and Built Environment:

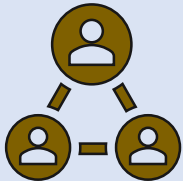
- Utilities vouchers provided from a local community-based organization.*
- Social worker contacts utilities for discontinuation support.*



Case Study: Continuity of Care to Support Behavioral Health

During consultation Mr. Angelo's CHW utilizes the Framework of the SDOH to determine facility resources to meet his needs:

Social and Community Context:

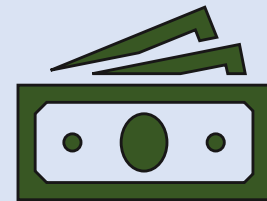


- *Spanish-language Narcotics Anonymous Meetings.*
- *Drug use recovery literature and resource pamphlets for Mr. Angelo to give to his wife*



Economic Stability:

- *Training and support services through facility Jobs Plus Site.*
- *Spanish-language peer-support group at local church.*



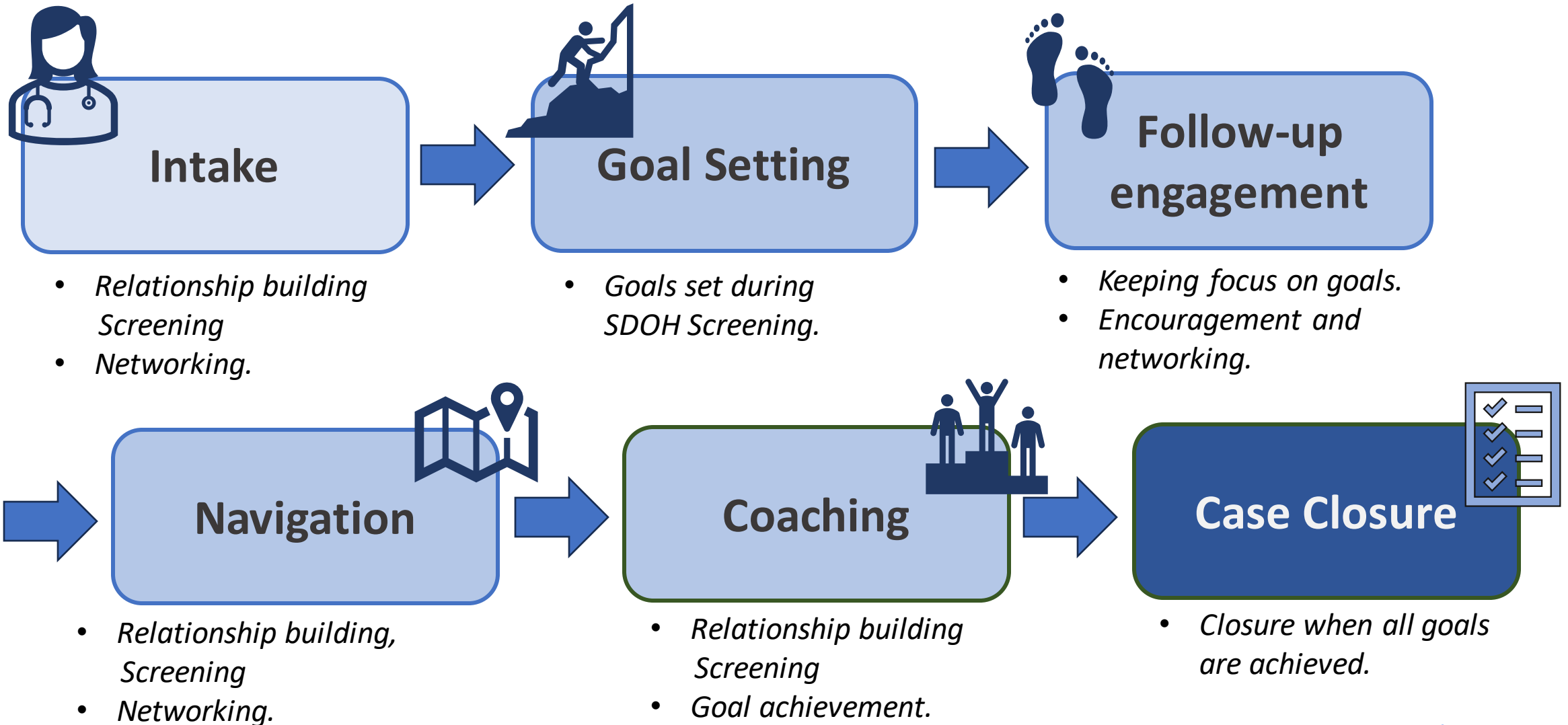
Link to resources: [Jobs Plus Initiative](#)

Case Study: Continuity of Care to Support Behavioral Health

Please take a moment to write or type your response to the following:

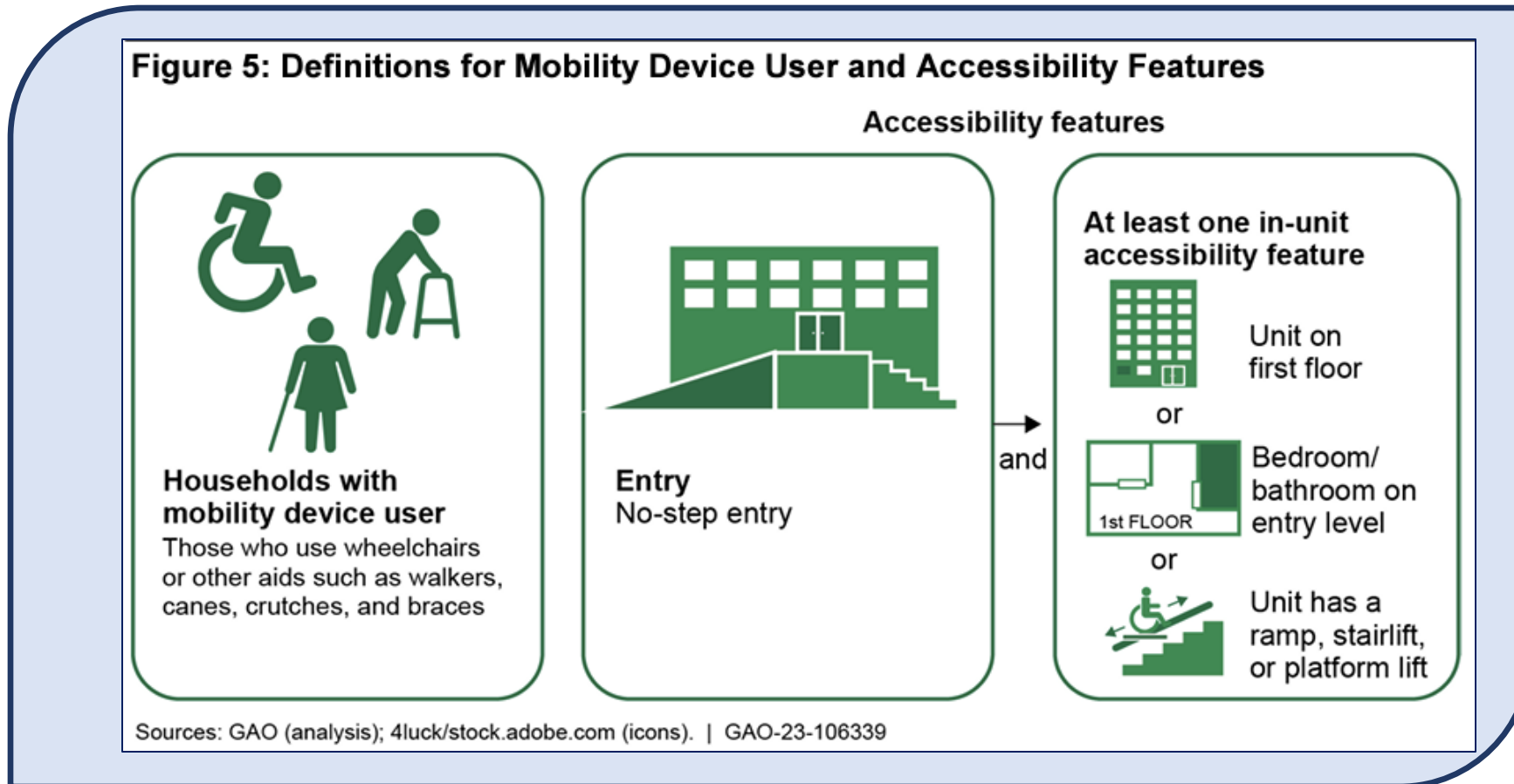
What is a program at your institution that would be helpful in supporting Mr. Jones' SDOH needs?

Case Study: Continuity of Care to Support Behavioral Health



By the Numbers: HUD-Supported Residents with Disability

Properties must be updated with a variety of accessibility features to be suitable for individuals who use a mobility device.

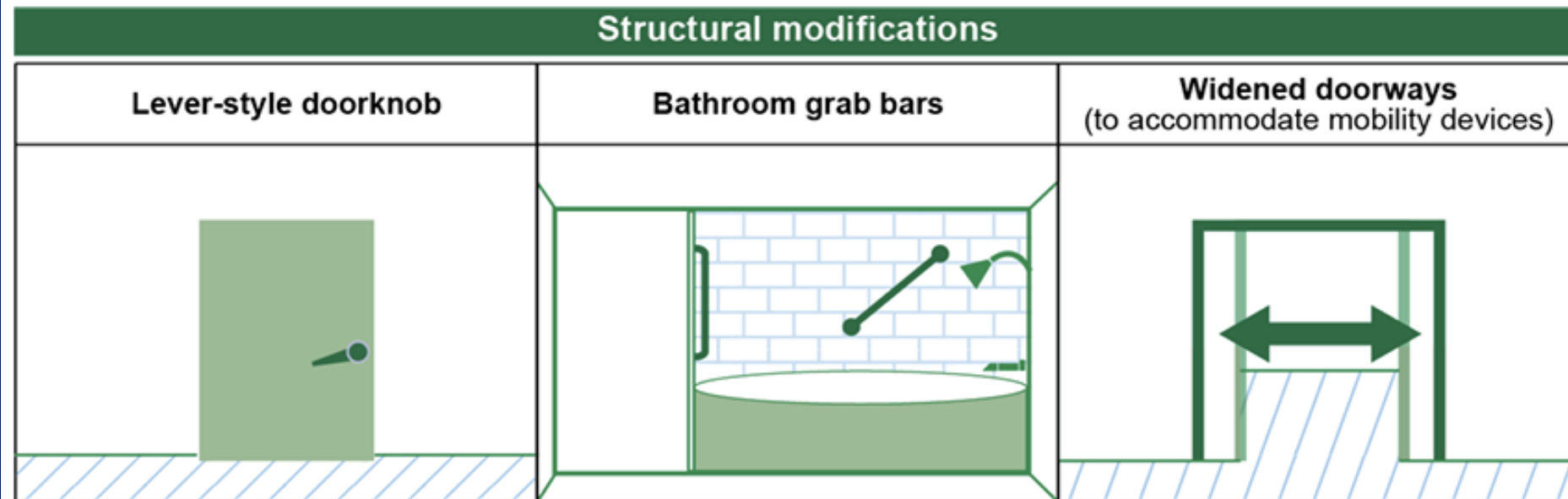


Link to resource: [GAO report](#)

By the Numbers: HUD-Supported Residents with Disability

Features such as bathroom-grab bars have been shown to decrease the risk of in-home injury for individuals with physical disabilities, including those utilizing mobility devices

Figure 4: Examples of Structural Modifications



Source: GAO analysis of Department of Housing and Urban Development information. | GAO-23-106339

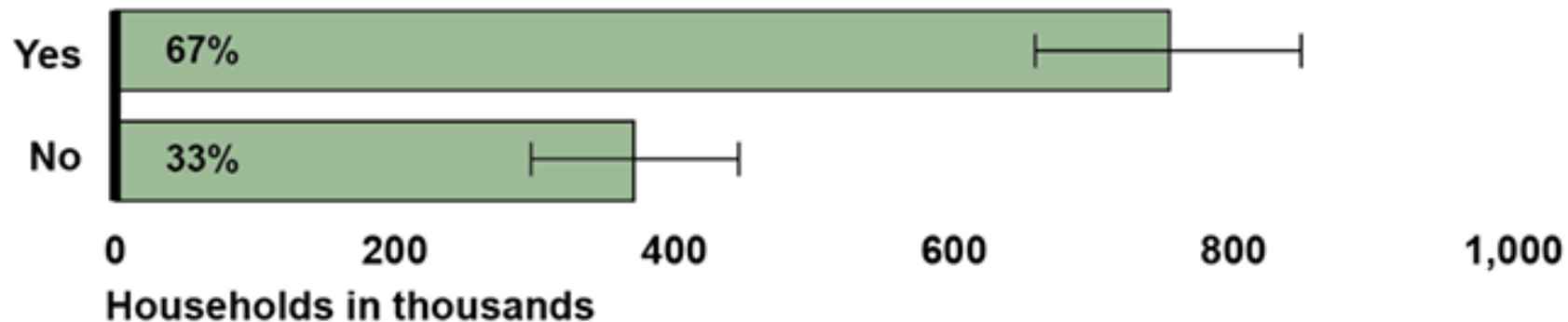
Link to resource: [GAO report](#)

By the Numbers: HUD-Supported Residents with Disability

A large proportion of HUD-Assisted Households utilizing a mobility device do not have no-step entry or at least one in-unit accessibility feature

Figure 7: Proportion of HUD-Assisted Households with a Mobility Device User That Reported a No-Step Entry and In-Unit Accessibility Features, 2019

No-step entry plus at least one in-unit accessibility feature?



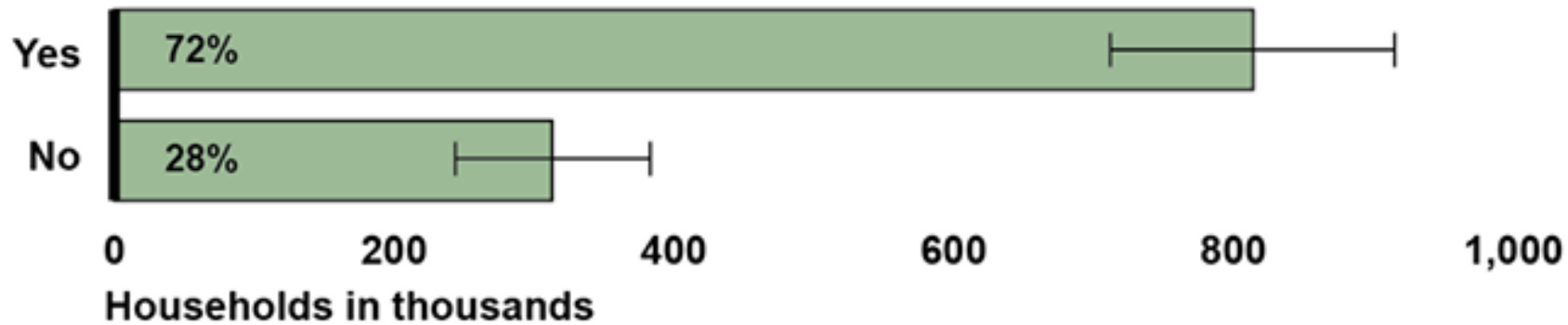
Link to resource: [GAO report](#)

By the Numbers: HUD-Supported Residents with Disability

A large proportion of HUD-Assisted Households utilizing a mobility device do not have no-step entry

Figure 6: Proportion of HUD-Assisted Households with a Mobility Device User That Reported a No-Step Entry, 2019

No-step entry?



Link to resource: [GAO report](#)

Q&A Session



Upcoming LC Sessions



Session 2 (03/04/2024): The trials and tribulations of the provider

Session 3 (03/11/2024): Data-driven interventions

Session 4 (03/18/2024): Conclusion and case studies engagements



Complete our Post Evaluation Survey



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Thank you!

