



Addressing the Mental Health Needs of Low-income Homebound Older Adults

Namkee G. Choi, PhD, MSW

The University of Texas at Austin Steve Hicks School of Social Work

Presentation for the Committee on a Blueprint for a National Prevention Infrastructure for Behavioral Health Disorders

> April 4, 2024 via Zoom

Disabled/Homebound Older Adults: Mental Health Needs (2-3 times greater than their mobile peers)

DEPRESSION PREVALENCE

- Higher rates of major depressive disorder (MDD): 8.5% -13.5% among 65+ age group
- Higher rates of clinically significant depressive symptoms among 65+ group: 10% 25%
- Significantly higher rates of MDD (16%) and depressive symptoms (33%) among homebound adults age 50-60 than among 61+ (Choi et al., 2010)
- 38% of Central Texas home-delivered meals recipients (n=2,224) aged 50+ reported a depression diagnosis (Choi et al., 2019)

ANXIETY PREVALENCE

• 18.9% among homecare recipients (Wang et al., 2016)

Low-income Homebound Older Adults



Ideally, Service Systems for Homebound Older Adults Should Include

Usual healthcare services (acute & chronic disease management); Cognitive health promotion

Case management & other supportive services (financial, housing, & transportation support)

Improved social connectedness & Access to evidencebased mental health services

All Older Adults Need

- Access to evidence-based mental health services, along with
 - supportive case management, and other independent living support
 - social activities and engagement: Social connectedness

Evidence-based mental health services:

- ✓ Structured, short-term (brief)
- ✓ Focus on "here and now & moving forward"
- ✓ Problem-solving / stress coping skills training
- Behavioral activation: More structure in daily life by planning and engaging in activities to accomplish goals that align with one's values/beliefs in chosen life areas

Barriers to Accessing Mental Health Services

SYSTEM BARRIERS

- Service fragmentation
- Licensed geriatric MH clinician shortage
- Lack of transportation to clinic-based treatment or technology gap in rural areas
- Lack of affordable, evidence-based, *in-home* or *tele*-treatment programs
- High co-pay
- Reluctance of clinicians to accept Medicare
- Financing, scalability, and sustainability

PERSONAL-LEVEL BARRIERS

- Stigma / lack of depression-related knowledge denial of depression / mistrust of mental health professionals
- Other competing life demands/stressors



Primary & Secondary Prevention Strategies for MH Care

Health Factors

- Preventive healthcare
- Chronic disease self-management
- Reduction of dependence on pharmaco-therapeutics
- Promotion of access to walking and other exercises/physical activities

Social Determinants of MH problems

- Affordable housing (more low-income senior housing, Section 8)
 & utility subsidy
- Transportation services
- Case management

Primary & Secondary Prevention Strategies for MH Care

Social Isolation and Loneliness

- Social engagement/activities (senior activity centers; recreational facilities; cultural events)
- Volunteering opportunities

MH Stigma Reduction

- Community education about MH
- Importance of messaging: Body-mind-brain connection: Prevention science

Improved Access to MH Services

- Both prevention and treatment
- Behavioral interventions: "here and now" and coping skills training



Improving ACCESS to MH Services for Homebound Older Adults: Systemic and Policy Changes

- Ease of geriatric MH workforce shortages with task sharing model: Expansion of clinical capacity in screening and brief interventions by training lay mental health workers:
 - Bachelor's level MH providers (social work, psychology, gerontology)
 - Older adults as peer interventionists (Friendship Bench; Hong Kong HEAL-HOA)

Warner LM, Yeung DY, Jiang D, Choi NG,...,Chou KL. Effects of volunteering over six months on loneliness, social and mental health outcomes among older adults: The HEAL-HOA Dual Randomized Controlled Trial. *Am J Geriatr Psychiatry*. Published online December 26, 2023. doi:10.1016/j.jagp.2023.12.022

Systemic and Policy Changes

- Integration/co-location of MH screening and evidence-based treatment into aging service settings (Senior Centers; Meals on Wheels):
 - Older adults' trust in aging-service providers who are best situated to detect MH need and offer services
 - Case management and other independent living support
 - Substance use and suicide prevention
- Expanded use of tele-counseling for care delivery (reach, economies of scale)
- Digital access to brief interventions, apps and platforms, that are part self-guided, part facilitated by a trained coach:
 - BA app currently in development.
 - CBT app to be tested.

Systemic and Policy Changes: Scalability and Sustainability Recommendations

- The Older Americans Act (OAA) Amendments of 2006 made available financing of sustainable aging-service integrated MH care.
- OAA-funded agencies can <u>directly provide or purchase</u> mental health services for their clients; OAA funding level (\$2.76 billion in 2024 FY) needs to be increased to allow:
 - Funding for lay MH worker training, supervision, and support
 - Internet subscription fee and other support for reducing digital divide (e.g., computer and tablet ownership) in low-income and rural area residents
 - President Biden: "High-speed internet is not a luxury any longer. It's a necessity."
- In addition to OAA funding for mental health services, Affordable Connectivity Program: assistance for 2+ million 65- to 84-year-olds
- Alternative sources of funding for in-home and aging-service-based, lay-counselor-delivered tele-behavioral health treatment coverage and reimbursement

Telehealth Project (R01MD009675; 2015-2019; SDF) Tele-PST and Tele-BA for Low-Income Homebound Older Adults

• 3-arm RCT focused on testing real-world comparative effectiveness of Tele-BA delivery by lay counselors



- All sessions via HIPAA-compliant video-conferencing
- All interventionists embedded in Meals on Wheels for care coordination

Tele-BA Session via SecureVideo



| Goal; Desired outcome | Identified activity | Rank difficu Ity | Barriers | Activity selected for implement ation | Time and duration of planned activity |
|------------------------------|---|------------------------|--|---|--|
| Start exercise routine | Do 3 exercises on PT paper printout | 1 | Procrastination Look at myself in the mirror and say, "Get it done!" | Selected | Sun, Mon, Tues: 15 mins (don't stop until finished) |



Original Investigation | Geriatrics

Effect of Telehealth Treatment by Lay Counselors vs by Clinicians on Depressive Symptoms Among Older Adults Who Are Homebound A Randomized Clinical Trial

Namkee G. Choi, PhD; C. Nathan Marti, PhD; Nancy L. Wilson, MA, MSW; Guoqing John Chen, MD, PhD, MPH; Leslie Sirrianni, MSW, LCSW; Mark T. Hegel, PhD; Martha L. Bruce, PhD, MPH; Mark E. Kunik, MD, MPH



Commentary by Dr. Aronson



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Invited Commentary | Geriatrics Evidence, Efficacy, and Economics—A Better Path Forward for US Health Care

Louise Aronson, MD

The current crisis transforming the United States has 4 primary contributors: the coronavirus disease 2019 (COVID-19) pandemic, economic collapse, mobilization for racial justice, and historic rates of anxiety, depression, distress, and substance use disorders. The consequent heightened need for mental health care comes at a time when health organizations are fiscally challenged and newly aware of their contributions to creating and perpetuating health inequities. It also enters a medical context of longstanding inadequate recognition of, support for, and investment in mental health, elder care, and health disparities. It is likely not coincidental that older adults and people of color are disproportionately impacted by both the confluent crises and our response to them.

For all those reasons, as well as health care's current accelerated adoption of telehealth, the article by Choi et al¹ could hardly be timelier. The authors demonstrate that brief videoconferenced problem-solving counseling by low-cost lay counselors is comparable to videoconferenced care by licensed professionals for treating depressed, racially diverse, low-income, homebound older adults. Although slightly less effective for depression, lay counseling had similar efficacy in disability, social engagement, and social role satisfaction outcomes. Moreover, as those of us who work in social justice health care are fond of saying, if you can make a difference in the highest-risk populations,

Related article

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Open Access



Cost-effectiveness of Tele-delivered behavioral activation by Lay counselors for homebound older adults with depression

Guoqing John Chen^{1*}, Mark E. Kunik^{2,3}, C. Nathan Marti⁴ and Namkee G. Choi⁴

Abstract

Background: Low-income homebound older adults have limited access to psychosocial treatments because of their homebound state and geriatric mental health workforce shortages. Little is known about cost effectiveness of lay-counselor-delivered, videoconferenced, short-term behavioral activation on this study population. The objective of this study was to assess the cost-effectiveness of lay-counselor-delivered, videoconferenced, short-term behavioral

- Tele-BA and Tele-PST were more cost-effective than Attention Control (AC): Saved ED visits and hospitalization costs
- Relative to AC, the incremental cost-effectiveness ratio (ICER) for both Tele-BA and Tele-PST were well below \$50,000 (i.e. lower costs and more quality-adjusted life-years [QALY]).

Summary of Tele-BA by Lay Counselors

- Positive outcomes sustained through 36 weeks:
 - Depression (ES=0.62), disability, social engagement and activities, satisfaction with participation in social roles, and perceived social support
 - Cost-effective
- Integration of Tele-BA in aging service agencies will meet the needs of growing homebound older population who are not served by the existing mental health service systems

Our Ongoing Telehealth Project (2R01MD009675-7; 2022-2026) Integrated Tele-BA and Fall Prevention for Low-Income Homebound OAs

 4-arm RCT testing Tele-BA and Fall Prevention by lay coaches



 Use of CDC STEADI steps and ipad-based gamified strength and balance exercise app, "Keep On Keep Up" (KOKU): Developed by Dr. Emma Stanmore, University of Manchester; Spanish version by our team: Free download at Apple market



Fall Prevention: Lessons from Tele-BA

Participants in the project had:

- High rates of falls and fall injury
- Frequent EMS use for "lift assistance"
- Falls and fear of falls leading to further activity limitation
- Negative impact on depression treatment outcomes
- Need to integrate depression treatment and fall prevention

Thanks to Advisors/Collaborators:

- Nancy Gell, PT, PhD, MPH
- Emma Stanmore, PhD, MRes, DN, RN



KOKU



KOKU

| TODAY'S ACTIVITIES | ACTIVITY TARGETS | ACTIVITY INSTRUCTIONS | CHOOSE ACTIVITY |
|--------------------|------------------|-----------------------|-----------------|

Today's activities

You have finished **1** activity **5** more to go!



Thank you and Q & A