Plan of Action for Real-World Translation of LGBTQ Health and Aging Research

Karen I. Fredriksen-Goldsen, PhD; Hyun-Jun Kim, PhD; Glenise L. McKenzie, PhD; Lisa Krinsky, MSW; and Charles A. Emlet, PhD

Abstract

Despite accumulating evidence of health disparities, there exists limited translational research to enhance optimal health and aging of lesbian, gay, bisexual, transgender, and queer-identified* (LGBTQ) older adults. Based on the Health Equity Promotion Model that addresses the distinct needs and strengths of LGBTQ older adults, we underscore the important role of collaborations among researchers, practitioners, and communities to build community capacity. Given the rapidly shifting context, we advance principles to guide future work that will enhance translational research and the development of evidence-based practice so that LGBTQ older adults can reach their full health potential.

Keywords: evidence-based practice, health equity, LGBTQ older adults, sexual and gender minorities, translational research

Introduction

In the past few years, considerable progress has been made in lesbian, gay, bisexual, transgender, and queer (LGBTQ) aging and health research. With rapid growth in the older U.S. population, diversity among older adults is increasingly recognized, including by sexual orientation and gender identity and expression. As the field of LGBTQ aging and health research has expanded from relying on small convenience samples and anecdotal experiences to include large community- and probability-based samples, a greater understanding of population health in these communities has been achieved. At this stage of LGBTQ aging and health research, we ponder the question: What comes next?

Research documenting health disparities among LGBTQ older adults and explanatory mechanisms (including historical, structural, and environmental contexts and psychological, social, behavioral, and biological processes) associated with their health and well-being is accumulating. However, to date, there exists limited translation of the work designed to improve the health and well-being of these populations. A recent report from the Institute of Medicine found that although interventions have demonstrated positive outcomes in research settings, they are often not implemented and, therefore, do not have the positive impact that they could have in real-world settings. Our objective in this article is to provide a blueprint for the future by advancing a synergistic approach for translational research that will enhance evidence-based practice (EBP) to mitigate health disparities and promote optimal health, aging, and well-being of LGBTQ older adults.

Translational Research: Investigating Health Disparities

Translational research refers to the progression of knowledge from basic research to intervention, including treatment development, implementation, and evaluation. Multiple phases of translational research have been delineated. They include: (1) assessment of health disparities and the identification of modifiable factors that effectively reduce inequities and improve health outcomes; (2) well-designed and executed research that develops and tests clinical interventions; (3) use of the findings for the development of practice guidelines; and (4) an ongoing study to monitor and evaluate population health, morbidity, and mortality.

Aligned with the first step in translational research, initial work on LGBTQ health and aging sought to understand disparities experienced by sexual and gender minorities. A convergence of findings across studies now documents health disparities specific to lesbian, gay, bisexual, and transgender people, including elevated rates of disability, poor physical health, and mental distress among older adults. Based on the first national probability study of lesbian, gay, and bisexual older adult health, using multi-year data from the National Health Interview Survey (NHIS), we found that lesbian,

*A term to describe people whose sexual orientation and/or gender identity or gender expression are fluid and/or do not fit into commonly used labels or categories.
LGBTQ AGING TRANSLATIONAL RESEARCH

Understanding the Determinants of Health

Translational research calls for the identification of determinants of disparities. In our work, we found that the application of the Health Equity Promotion Model, as a conceptual framework, promotes the comprehensiveness and cohesiveness in investigating the risk and protective factors that affect the aging population in general as well as those that are distinct to LGBTQ older adults. The Health Equity Promotion Model is based on the premise that all individuals have the right to achieve their full health potential; and, incorporating modifiable factors to be addressed in intervention development aimed at LGBTQ older adults. For example, we learn that most LGBTQ older adults are not married and do not have children, which increases their risk of placement in long-term care facilities. Thus, for LGBTQ older adults, the need for placement further cascades into concerns regarding the potential lack of cultural competence by providers, managing identity by self and family, acceptance by other residents, as well as the more general concerns regarding costs and financial burden.

The Health Equity Promotion Model by design supports the development of culturally responsive interventions by highlighting within-group diversity, for instance, by race and ethnicity, age cohort, sexual orientation, gender identity and expression, and geographic location. Thus, explanatory factors that contribute to such subgroup differences and the intersectionality of identities need to be considered. For example, elevated risks of poor health outcomes for transgender adults are strongly associated with structural factors, including elevated rates of discrimination, victimization, and lack of access to responsive care. Concern over competent and sensitive healthcare is consistently voiced by transgender adults, who often forgo needed care. The fear of incompetent and insensitive care can also be heightened in rural areas as culturally relevant healthcare and human services may be less available.

In our research, despite documented disparities, we have learned that most LGBTQ older adults, across subgroups, report good physical and mental health and are satisfied with their lives. Factors such as a strong and positive sense of identity, social support, large and diverse social networks, and community engagement have been found to significantly predict these positive health outcomes. Thus, attention to the resilience and strengths of LGBTQ older adults and the protective factors that support their optimal health and aging are important to consider in translational research and help to safeguard against over-problematizing and over-medicalizing of the population.

Additional studies that investigate longitudinal relationships between risk and protective factors and health outcomes among LGBTQ older adults are needed. Such longitudinal studies provide a platform to investigate the trajectory patterns in health outcomes as well as the risk factors that account for early health decline and premature mortality, and the protective factors that buffer against adverse outcomes. Identification of key modifiable factors predicting both short- and long-term health consequences are essential.
to develop clinical interventions, both preventive and therapeutic, for LGBTQ older adults.

Clinical Intervention Development and Application

Developing clinical interventions that are responsive to the needs of LGBTQ older adults is a critical phase in the translational research process. As a preliminary step in this process, it must be ascertained in the field whether clinical interventions designed for older adults in general are applicable to LGBTQ older adults and/or when adaptations to interventions are necessary. To date, a few existing interventions that were initially developed and tested with older adults in general have been used in practices with LGBTQ older adults, including mindfulness-based stress reduction (MBSR) and EnhanceFitness.

The LGBT Aging Project of The Fenway Institute in Boston offered MBSR, which integrates a mind/body approach to reduce distress while increasing quality of life through mindfulness practice. Assessments at pre- and post-intervention demonstrated that the program reduced symptoms of physical and mental distress significantly, increased the use of mindfulness, and enhanced coping skills, socialization, and the knowledge and trust of local service providers. Generations Aging with Pride in Seattle offered EnhanceFitness, a program designed to increase physical strength and balance, boost activity levels, and elevate mood. Utilizing certified instructors, the program was adapted to maximize accessibility for LGBTQ older adults. As a clinically proven program, pre- and post-tests of EnhanceFitness have demonstrated effectiveness at reducing mental distress and increasing physical functioning and social connection. Both of these examples address identified needs of the population through the application of existing evidence-based programs for older adults.

When efficacious interventions are translated for delivery in new contexts, there may be additional challenges in applicability, implementation of strategies, and consistency in measurement. For example, reported on iterative adaptations to an evidence-based intervention to improve care of people with dementia across diverse geographic areas and settings. While maintaining core intervention integrity of the caregiver intervention, we are now testing whether the inclusion of material directly addressing distinct risk factors (e.g., stigma, elevated rates of victimization and discrimination, and differing types of support) will enhance cultural relevance and result in similar or improved outcomes for LGBTQ older adults. Such considerations are particularly important when developing culturally competent interventions for underserved populations who are under-represented in research and clinical trial studies.

Linking Translational Research and EBP

The goal of translational research for advancing the promotion of health for LGBTQ older adults will be enhanced when it is orchestrated with EBP, providing practice guidelines based on a systematic evaluation of the scientific findings of risk and protective factors that predict health outcomes and effects of clinical interventions. EBP is the “conscientious, explicit, and judicious application” of high-quality research evidence and guidelines to clinical practice, which involves more than simply understanding the efficacy of an intervention with a new population. EBP requires identifying problems that clients encounter and developing answerable questions with explicit outcomes. Principles have been designed to maximize the success of EBP for specific populations. For example, it is critical to make an informed decision about which evidence-based intervention to implement within the context of a specific population and set of providers. The decision making should be triangulated by practice guidelines based on systematically evaluated and graded research evidence, relevant and measurable client outcomes, provider expertise, as well as individual client characteristics and preferences.

Although the Patient Protection and Affordable Care Act encourages cultural competency in healthcare settings, including with sexual and gender minorities, practitioners often lack the knowledge and expertise needed to work effectively with LGBTQ older adults. To date, a few practice guidelines have been developed to inform best practices for the assessment of LGBT clients as well as to educate and train practitioners. Examples include the Guidelines for Psychological Practice with Lesbian, Gay, and Bisexual Clients by the American Psychological Association, guidelines for physicians in lesbian, gay, bisexual, and transgender healthcare, and Key Competencies and Strategies for Culturally Competent Practice with LGBT Older Adults in the Health and Human Services, which were developed primarily based on experts’ judgment and consensus. In addition, the Endocrine Society Clinical Practice Guideline for treatment of transsexual people includes a grading process to assess the quality of evidence and strength of the recommendations. Given the scarcity of clinical research with LGBTQ older adults, such guidelines make important contributions in providing detailed recommendations to build professional competence in practice with lesbian, gay, bisexual, and transgender clients as well as to build skills in identifying and evaluating risk and protective factors specific to these populations including older adults.

As scientific evidence accumulates and is validated through ongoing research, practice guidelines need to be updated regularly by evaluating and grading research findings and expanded to provide the most effective interventions possible. A recent study found that older gay and bisexual men’s excessive drinking was associated with day-to-day discrimination, which likely is associated with stress, whereas older lesbian and bisexual women’s excessive drinking was associated with greater social support, likely reflecting community norms. Such research findings illustrate that interventions as well as practice guidelines need to be responsive to subgroups within the LGBTQ communities. Input from LGBTQ service users and their providers is particularly important in the development of practice guidelines in order to evaluate both barriers and resources in LGBTQ communities. Applying practice guidelines, collecting data, and evaluating outcomes over time in the context of the environment and culture of the individuals receiving and delivering treatment is critical to the development of EBP guidelines.

Moving Forward

Translational research focuses on generating evidence-based knowledge and guidelines for practice and ensuring

---

the applicability to communities, whereas EBP is a process for utilizing evidence-based knowledge and implementing best practices for clients. Creating synergy between both of these approaches is needed urgently to advance progress toward improving LGBTQ older adult aging, health, and quality of life. Conducting translational research that addresses the health and aging needs of LGBTQ older adults, and developing and testing culturally relevant clinical interventions will provide the knowledge base for practitioners to advance EBP and practice guidelines. Outcomes, limitations, and challenges identified through evaluating EBP will, in turn, help translational researchers uncover knowledge gaps and investigate new approaches that maximize the applicability and effects of an intervention. Through these processes the gap between research and practice can be diminished, and evidence-based interventions and practices can be implemented more efficiently in real-world settings.5

The impact of linking translational research and EBP should be mapped on the multidimensional aspects of the real world, including community, social, economic, cultural, and environmental lives.5 To promote health equity, researchers, practitioners, and communities need to develop an impact strategy at the beginning to ensure early engagement of LGBTQ older adults in translational research and EBP.

As we move forward, we emphasize PACT principles to promote a tailored yet flexible approach for the development of strong partnerships between translational researchers, practitioners, and communities with a shared goal to improve the health, aging, and well-being of LGBTQ older adults.

P—Pragmatically strategic through the articulation of a research and practice agenda based on vision, solid research-practice-community collaborations, and the efficient and effective use of resources within a shifting social and political context.

A—Action to understand and then actively address health inequities so that LGBTQ older adults can achieve their full health potential, which requires reaching out to those hidden within hidden communities.

C—Community engagement to support early planned involvement of LGBTQ older adults and providers serving them. Such collaborative work serves to promote health equity through a cohesive social movement promoting informed quality research, development of best practices, and community-level infrastructure development.

T—Translation of research to impact practice and policy more rapidly and meaningfully by a wide range of stakeholders through the mutual exchange and dissemination of knowledge, expertise, and everyday lived experiences.

Conclusion

As evidence of health disparities and determinants accumulates, the field must find new ways to address such challenges proactively by building on the strengths within the LGBTQ older adult community. Synergy between translational research and EBP is essential to improve the lives of LGBTQ older adults by addressing equity and enhancing the ability of all to reach their full health potential.

Acknowledgments

The authors are grateful to the Gerontological Society of America, the National Institutes of Health, and the National Institute on Aging (R13AG050451) for their support of the preconference workshop, titled “The Development of Evidence-Based Practices: Expanding the Reach to Lesbian, Gay, Bisexual and Transgender (LGBT) Older Adults” presented at the Gerontological Society of America 2016 Annual Scientific Meeting (New Orleans, Louisiana, November 16–20, 2016) from which the information for this article was developed. Special thanks are due to Nancy Morrow-Howell, Linda Harootyan, Rachel Puffer, Patricia D’Antonio, and Judie Lieu for their assistance with funding and the development and implementation of the workshop. The authors thank Dr. Linda Teri for her assistance in the application of EBP principles to an underserved population. They also extend their appreciation to all the scientists and service providers who provided their expertise at the workshop, including Sean Cahill, C.A.E., K.F.-G., Nancy Giunta, Charles P. Hoy-Ellis, H.-J.K., L.K., G.L.M., Anna Muraco, and Shilpen Patel, and the workshop participants who made the event possible.

Disclaimer

Research reported in this article was supported by the National Institute on Aging of the National Institutes of Health under Award Number R13AG050451, (Harootyan and Morrow-Howell, MPI). The content is solely the responsibility of the authors and does not necessarily represent the official views of the National Institutes of Health.

Author Disclosure Statement

No competing financial interests exist.

References
