

Reducing Disparities in Access to Hearing Health Care: The Community Health Worker Model



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Community
Health Workers
101



Connection with audiology & hearing care



Current research & future directions

Community Health Workers 101



 Who are Community Health Workers?

How do Community
 Health Workers
 improve health &
 access to care?

Who are Community Health Workers?



- Frontline public health workers
- Trusted member of the community served
- Liason/link/intermediary between health/social services
 & community
- Facilitate access to services
- Improve quality & cultural competence of service delivery

(American Public Health Association Community Health Workers Section, 2009)

Community Health Worker Job Titles



- Community Health Workers
- Community Health Advisor/Aids
- Promotora de Salud
- Community Health Representatives
- Peer Health Promoters
- Lay Health Educator
- Patient Navigator

CHW Core Competencies



- 1. Communication
- 2. Interpersonal
- 3. Knowledge Base
- 4. Service Coordination
- 5. Capacity Building
- 6. Advocacy
- 7. Teaching
- 8. Organizational Skills

National Community Health Advisor Study (1998)

Important Roles of Community Health Workers

- Provide cultural mediation between communities and health and human services system
- Advocate for individual & community needs
- Ensure culturally appropriate health education & support





What is distinctive about CHWs?

- Do not provide clinical care
- Generally do not hold another professional license
- Have expertise based on shared culture and life experience with population served
- Can achieve certain results that other professionals can't
- Home visits & participatory research

(Rosenthal et al., 2010)

- Rely on relationships and trust more than on clinical expertise
- Relate to community
 members as peers rather
 than purely as client/patient



Impacts on Health & Access to Care

- Improved access to care
- Successful chronic disease prevention & management
- Improved utilization of services, especially reducing inappropriate use of the ER
- PASOS ADELANTE/STEPS FORWARD

 12 Sesiones de Clase/12 Class Sessions

 Y/And
 Grupos de caminata/Walking Clubs

- Help to control costs
- Cost-saving "return on investment" (without third party payment or dedicated grant/contract funding)

(Selected references: Fedder et al., 2003; Ingram et al., 2007; Ingram et al., 2012; Johnson et al., 2012; Redondo et al., 2010; Reinschmidt & Chong, 2008; Rosenthal et al., 2010; Sabo et al., 2013; Staten et al., 2005; Staten et al., 2012; Teufel-Shone, Drummond, & Rawid, 2005; Viswanathan et al., 2009)

Addressing Health Disparities

Evidence shows that CHWs have *proven effectiveness* in addressing health disparities in minority populations:

- Increasing healthcare utilization,
- > Providing culturally competent health education,
- Advocating for patient needs.

(Brach & Fraser, 2000; Kaufman, et al., 2006; Kuhajda, et al., 2006; Rosenthal et al., 2010; Sheppard, Nemcek & Sabatier, 2003; Van Duyn, Reuben, & Macario, 2006; Zambrana & O'Malley, 2004)

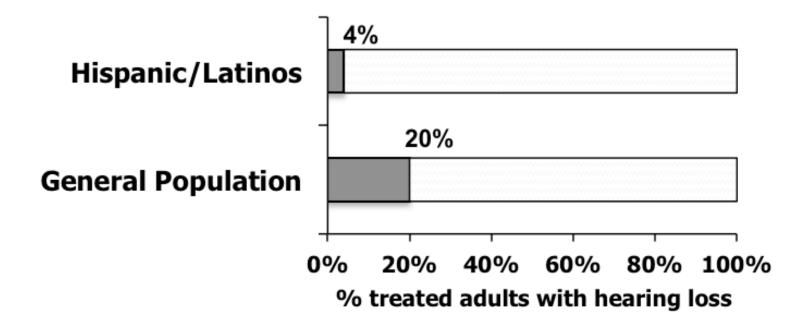


Connection with Audiology & Hearing Care





Hearing Loss as a Public Health Issue



(Data from NIDCD, 2010; Lee et al., 1991)



Community-based Audiologic Rehabilitation

- Identification of untreated hearing loss
- Efficacy of education and peer support groups held in a community setting
- Need for further research



Rationale

- Diversity and aging of population
- Growing prevalence of chronic health conditions, including hearing loss
- Increasing focus on prevention & wellness in health care
- Growing complexity of health care
- Recognition of social/behavioral determinants of health
- Cost pressures on system
- Commitment to reducing health inequities
 - Healthy People 2020 Goals



Current Research & Future Directions



Mariposa Community Health Center, Nogales, AZ



Health Disparities Along the U.S.-Mexico Border

- ~1/3 of population uninsured
- Health professions shortage area
- Language barriers
- Limited health literacy

Demographics of Nogales, AZ

93.6% Hispanic

34% income below poverty level

64% income below 200% poverty level

11% unemployment

52.4% without high school degree or GED





Reducing Disparities in Access to Hearing Healthcare on the U.S.-Mexico Border R21DC013681-01

- Identify barriers and facilitators of access to hearing health care in a rural, underserved community
 - > R21 Phase: Community Needs Assessment (2013-2014)
- Develop culturally and linguistically relevant materials
 - ➤ Translation, development, and validation studies (2013-2015)
- Test the effectiveness of a community health worker intervention for hearing loss
 - > R33 Phase: Randomized controlled trial (2015-2017)

- Test effectiveness in other geographic regions with underserved populations
- Further integrate with audiologic services
- Establish cost-effectiveness of early intervention
- Develop new models of care for CHWs ...





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