#### Communicating with Deaf Adults: Implementation of a Provider and Staff Focused Educational Program In a Primary Care Center Stephanie Atkinson, MS, APRN, FNP-C, Rhonda Hopkins, MD, FAAFP, Tener Veenema, PhD, MPH, MS, RN, FAAN, Binu Koirala, PhD, MGS, RN

#### Background

- Deafness transcends all ages, races, cultures, genders, and socioeconomic backgrounds.
- **1.9 million** Americans are functionally deaf.
- **38.3 million** have hearing difficulty.
- Deaf adults have **higher rates** of: CVD, cancer, obesity, suicide, IPV, sexual health, reduced access to preventive care.
- ADA law (2014) requires PCPs to communicate effectively.
- PCPs receive little to no communication training increasing ethical and legal risk for errors.

Lack of PCP Communication Training

Ineffective Communication between PCPs and Deaf Patients

Poor Health Outcomes for Deaf Adults

## **Purpose and Aims**

**Purpose:** To Improve Communication Between PCPs and Deaf adults through a provider and staff-directed communication training program

- Aim 1: Increase staff's knowledge of Deaf culture and available communication resources
- Aim 2: Increase staff's communication self-efficacy
- Aim 3: Increase patient satisfaction scores

### Methods

**Design:** Pre-/Post-Intervention Design **Setting:** Privately-Owned Primary Care Practice Sample Populations: (1)Providers/Staff (2) Deaf adults Intervention: 90-minute communication training program **Data Collection:** Project duration 12 weeks

Staff Data:

Patient Data:

Knowledge Scores Self Efficacy-12 Questionnaire

Patient Satisfaction Scores





#### **Sample Demographics**

#### Demographic Characteristics

Age, mean (SD) Sex, n(%) Male Female Race, n(%) Asian Black Hispanic White Years Employed < 6 months 6 months-1 year 2-5 years 5-10 years 10+ years

#### Conclusions

Deaf adults experience unique challenges when communicating with primary care professionals. By implementing a staff-directed, mixedmethod communication training program, this QI project resulted in increased knowledge and self-efficacy among staff and increased deaf patients' satisfaction.

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# JOHNS HOPKINS N U R S I N G

Staff (N=28)	Patients (N=22)
36.1 (9.3)	62.7 (15.4)
0 (0) 28 (100)	10 (45.5) 12 (54.5)
1 (3.4) 0 (0) 8 (27.6) 19 (65.5)	0 (0) 1 (4.5) 1 (4.5) 20 (90.9)
3 (10.7) 4 (14.3) 6 (21.4) 11 (39.3) 4 (14.3)	N/A N/A N/A N/A