Mhealth hearing screening for children by non-specialist health workers in communities*

**Objective**
Determine if equitable services and outcomes are achieved for hearing screenings.

**Key findings**

1. **No significant difference in screening outcomes between groups**
2. **Three factors may influence higher referral rate:**
   - Noise at 1kHz
   - Age
   - Test duration

**No significant difference in screening outcomes between groups**
- Audiometrically trained school health nurses
- Screening at schools or medical offices

**Three factors may influence higher referral rate:**
- Non-specialist community healthcare workers with minimal training
- Screening in homes and community centers

**6805 children screened using the hearScreen™ smartphone application**

2-group comparison of screening outcomes:

Indepth outcome analysis by child age and gender, headphone type, test duration and environmental noise levels was performed.

**Considerations**
Lack of hearing health care resources in a community can delay hearing screenings and subsequent hearing intervention for children in need.

With appropriate training and testing equipment, community health care workers can help bridge the gap in resources by providing quality hearing screening services.