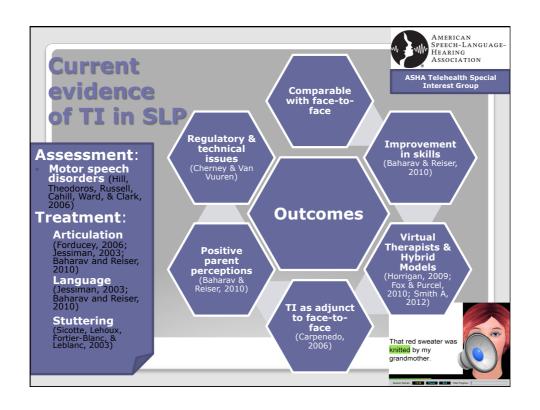


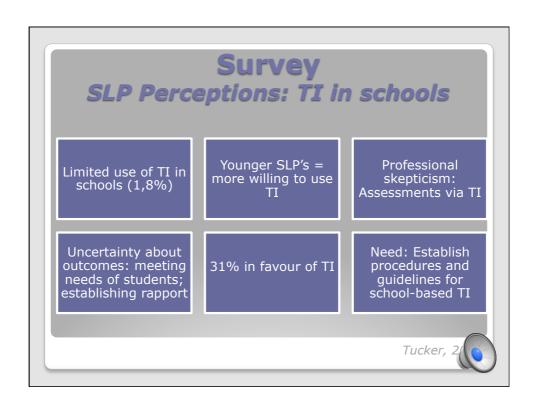
Why tele-intervention?

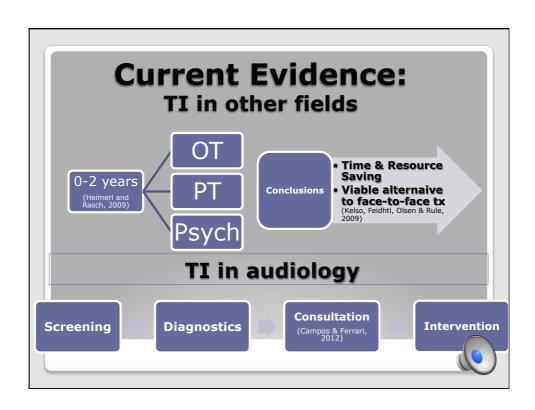
- · Prevalence of hearing loss in newborns
- Over 90% in developing countries
- Many don't have access to necessary early intervention services.
- Possible reasons:
 - 1. Hearing loss: **Low-incidence** condition
 - Few children with HL in the same **area**
 - 3. Shortage of appropriately trained *professionals*
 - 4. Distance

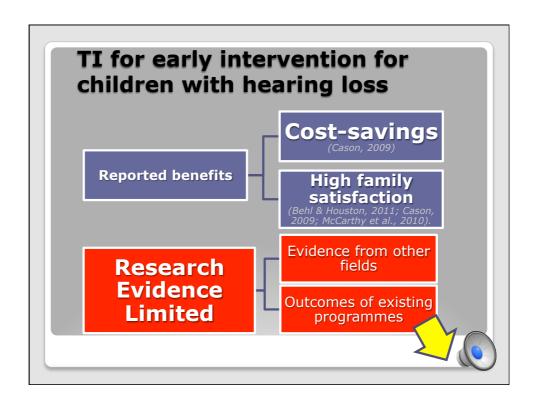


(WHO, 2010; McCarthy, Muñoz and White, 2010; Olusanya et al., 2009; Olusanya & Newton, 2007)







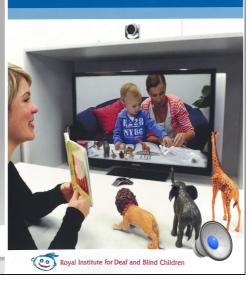


The Royal Institute for Deaf and Blind Children, Australia

Teleschool:

- The Royal Institute for Deaf and Blind Children (RIDBC)
- The largest and most comprehensive TI program for children with HL
- 100 deaf or blind children per year
- More than 170 families since initiation in 2002

RIDBC TeleschoolGuiding Principles for Telepractice



Parent reported benefits

Highly satisfied

- Less waiting lists, less travel arrangements, less unforseen obstacles
- Emotional support, reassurance, guidance
- Reduced feelings of anxiety and depression

High quality services

- Children's progress comparable to progress from in-home visits
- But no developmental data collected as of yet, no comprehensive assessment
- Effective in delivering personal, immediate, and specialized services to these parents and their children
- Preferred it to telephone services



Clinician reported benefits

Parents acquire EI skills more rapidly, only occasional involvement from therapist

This set-up changes the focus of sessions from teaching the child to <u>coaching the parents</u> in implementing early intervention skills and techniques with their child.

In TI, the roles shift:

parent = primary
communication partner
therapist = limited
physical involvement

Due to **felixibility** of scheduling:

Increased participation fathers and other family members

Less cancellations

Dally & Conway, 2



Cost-effectiveness

- Limited data
- Cost of remote service delivery appears to be higher than that of face-to-face service delivery.
- Over time, however, these findings may change as:
 - Fuel costs increase
 - Internet costs decrease

(Dally & Conway, 20

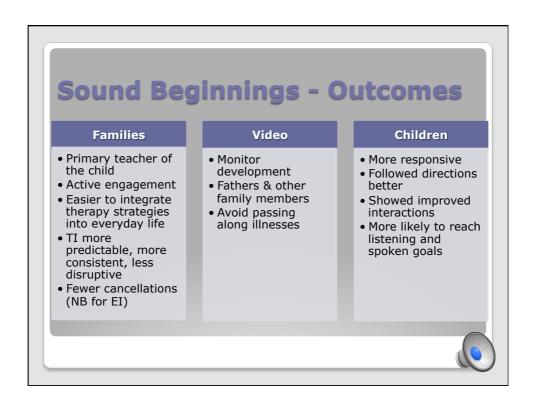


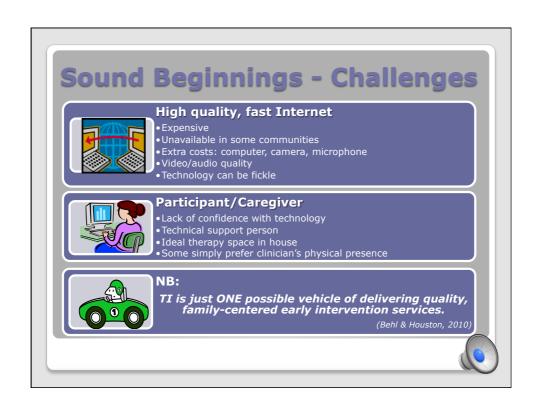


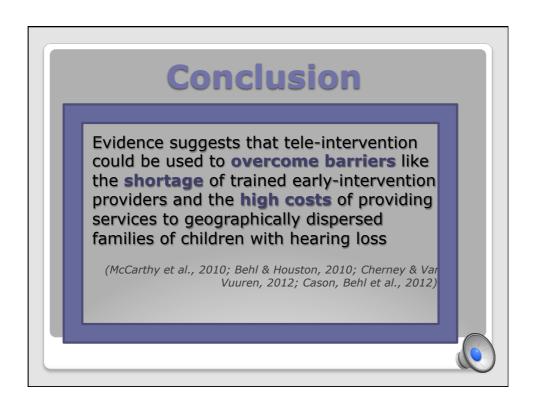
Sound Beginnings - AVT

- TI with experts in Auditory-Verbal Therapy (AVT)
- AVT is an effective early intervention for children with hearing loss.
 - parent-based treatment
 - promotes early diagnosis
 - one-to-one therapy
 - with active parental participation,
 - audiological management
 - and modern hearing technology (e.g. hearing aids and cochlear implants).
- The approach guides parents to develop their children's <u>spoken language through listening</u>. The goal of AVT is to allow children with hearing loss to reach their full potential in the hearing world.

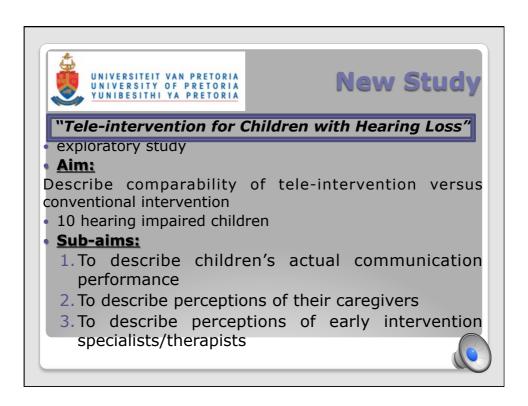
(Eriks-Brophy, 2004; Dornan, Hickson, Murdoch & Houston, 20 Dornan, Hickson, Murdoch & Houston, 2(

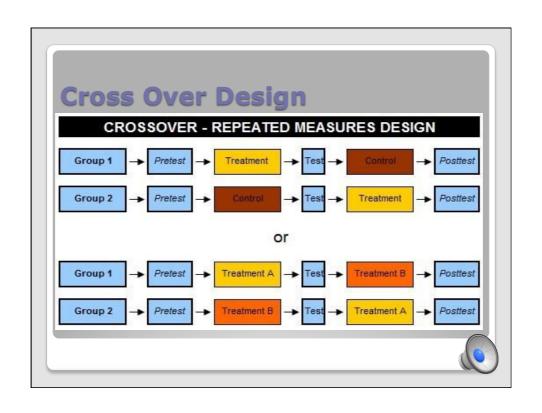


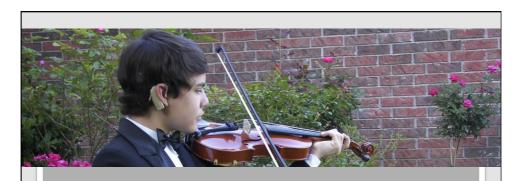












"Many things we need can wait. The Child cannot. Now is the time his bones are formed, his mind developed. To him we cannot say Tomorrow, his name is Today."

- Gabriela Mistral -