

Teleaudiology Spoke Site Training Mechanisms

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1 MONTH

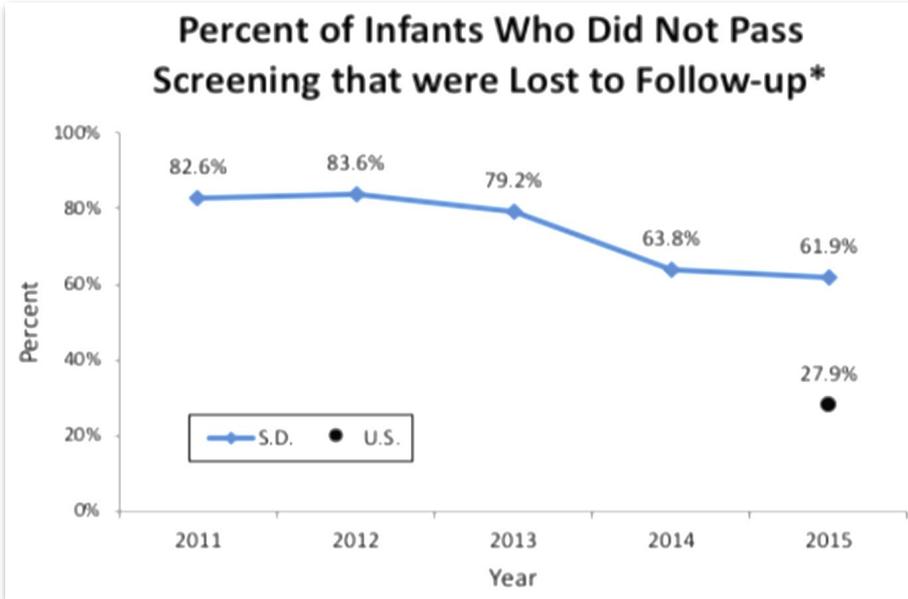
All infants should have their hearing screened no later than **ONE** month of age

3 MONTHS

All infants who don't pass the initial screening should receive a diagnosis no later than **THREE** months of age

6 MONTHS

All infants identified with hearing loss should receive early intervention services no later than **SIX** months of age



Percent of South Dakota infants who did not pass the hearing screening who were lost to follow-up compared to national average (SD DOH, 2018)

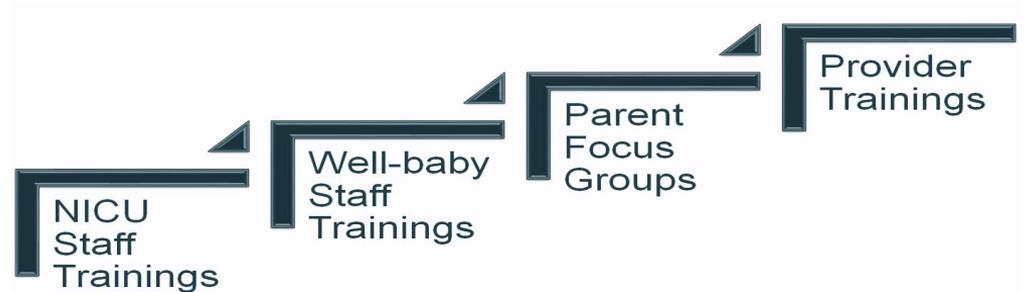
GOAL: Optimize Outcomes of Children Born with Hearing Loss

Previous efforts:

Current Efforts:

Targeting the loss to follow-up rate
statewide

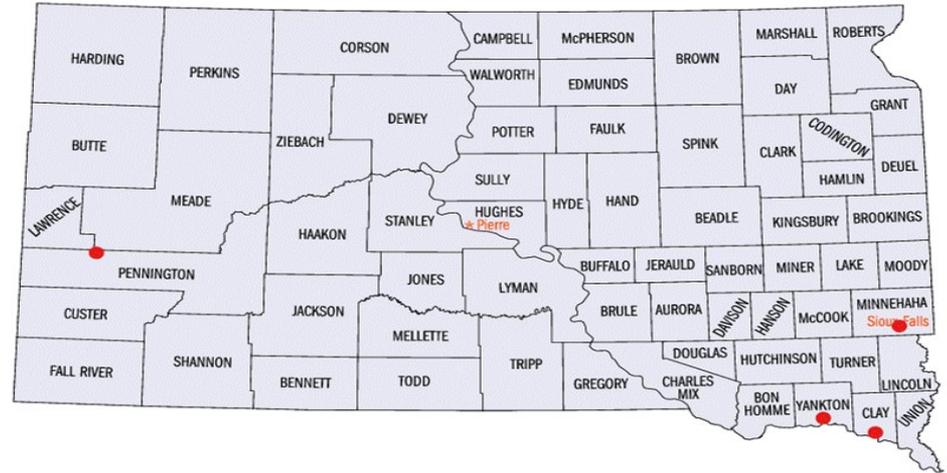
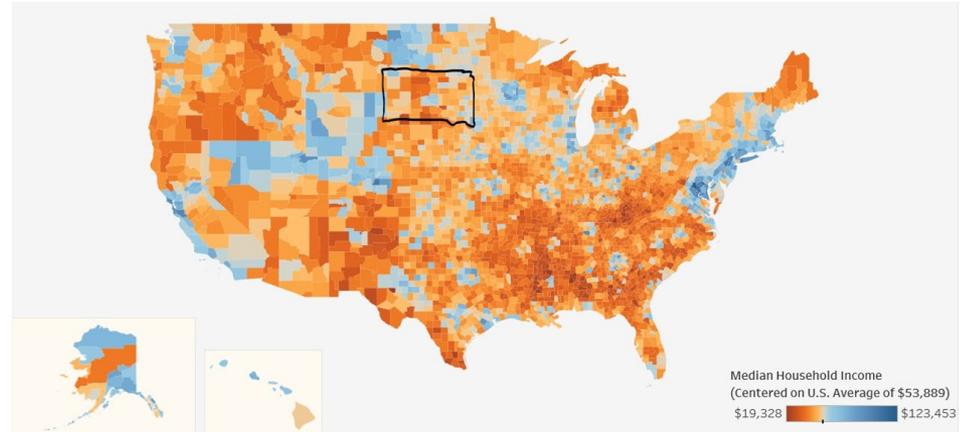
South Dakota EHDI Collaborative



South Dakota Challenges

Reasons for limited access to pediatric audiologists across South Dakota

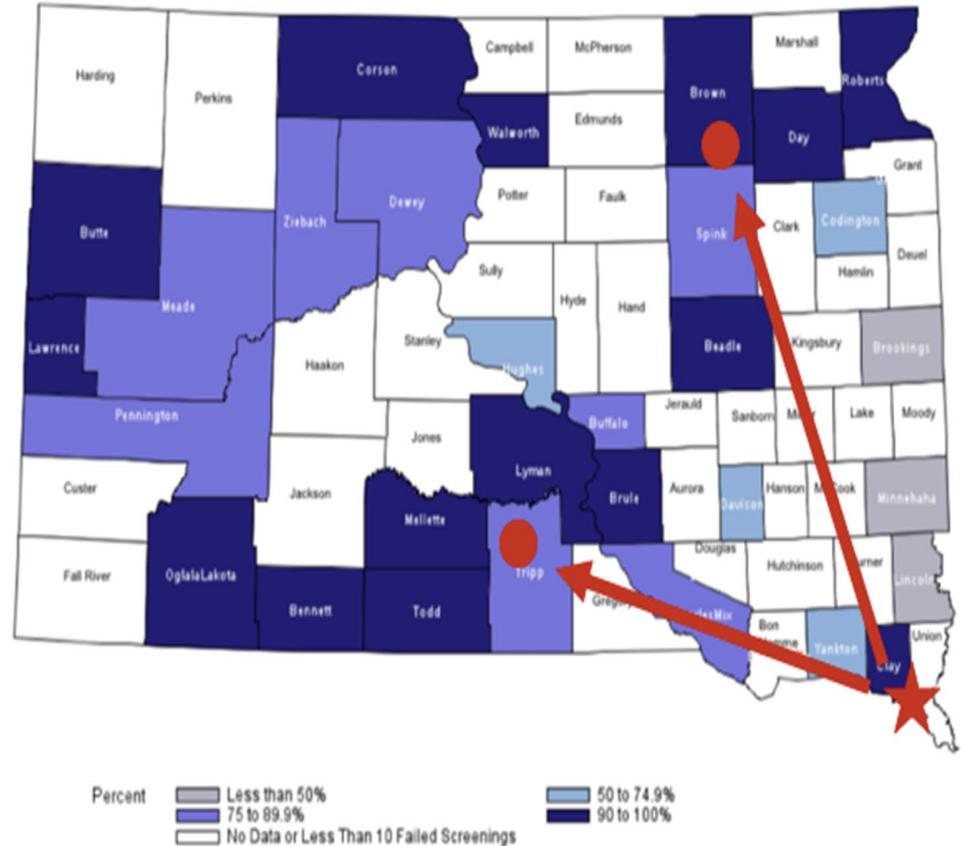
- Limited geographic location of pediatric audiologists
- Frontier state
- Financial limitations



● Locations of pediatric audiologists in SD

Current Effort:

- Established partnerships with Winner Regional Hospital & Avera St. Luke's Hospital in Aberdeen
- Partnered with public health to promote teleaudiology program and provide incentives for low-income families
- Created training videos for remote staff
- Created a follow-up care protocol for after a diagnosis of hearing loss



Training Mechanisms for Spoke Sites

- On-site training of telehealth nursing staff
- Training videos
- Appointment Guide Set-Up
- Quick Reference Guides
- Test connections

Winner Regional Healthcare Center

First testing 9/28/18

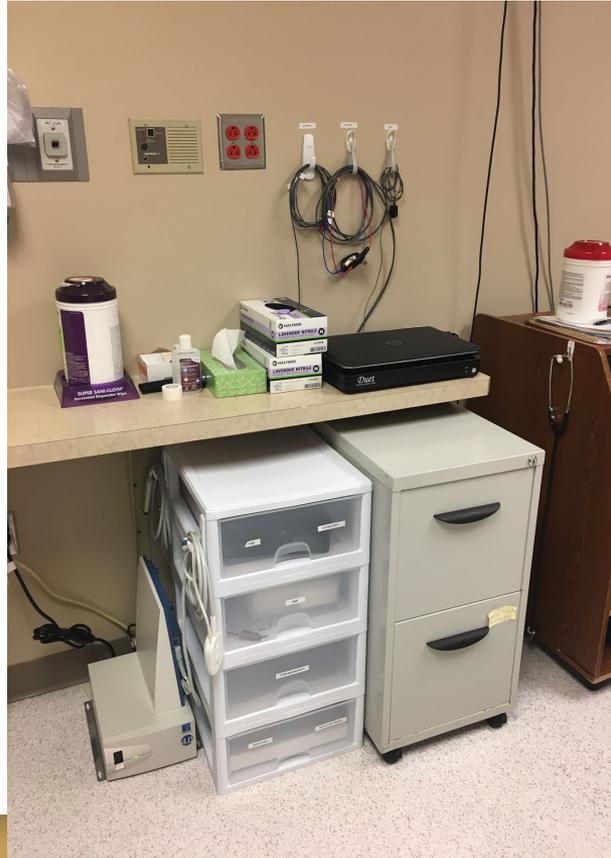
Using Skype for Business
video conference system @
Lee Medical Building
Nursing Department



St. Luke's Avera Hospital in Aberdeen

First testing 9/20/18

Using Cisco Video
Conference system @
Lee Medical Building
Nursing Department



Training Mechanisms for Spoke Sites

Swaddling: <https://youtu.be/SXRrD3hCzNo>

Otoscopy: <https://youtu.be/a0o0TAqmSuE>

Scrubbing: <https://youtu.be/RmwPUFg3XW4>

Placing electrodes: <https://youtu.be/4E-xXkurP4o>

Placing inserts: <https://youtu.be/P9CltdLNLG4>

Bone Conduction: <https://youtu.be/5elhF1B-25A>

Removal of Electrodes: <https://youtu.be/viUgz6atgpU>

YOUTUBE CHANNEL: Communication Support through Aids and Technology

Skype for Business vs. Cisco System

Skype for Business

- HIPAA Compliant
- Cost effective (hundreds of dollars)
- Appears more informal for patient
- Winner nursing staff reported satisfaction with just using the computer
- User friendly

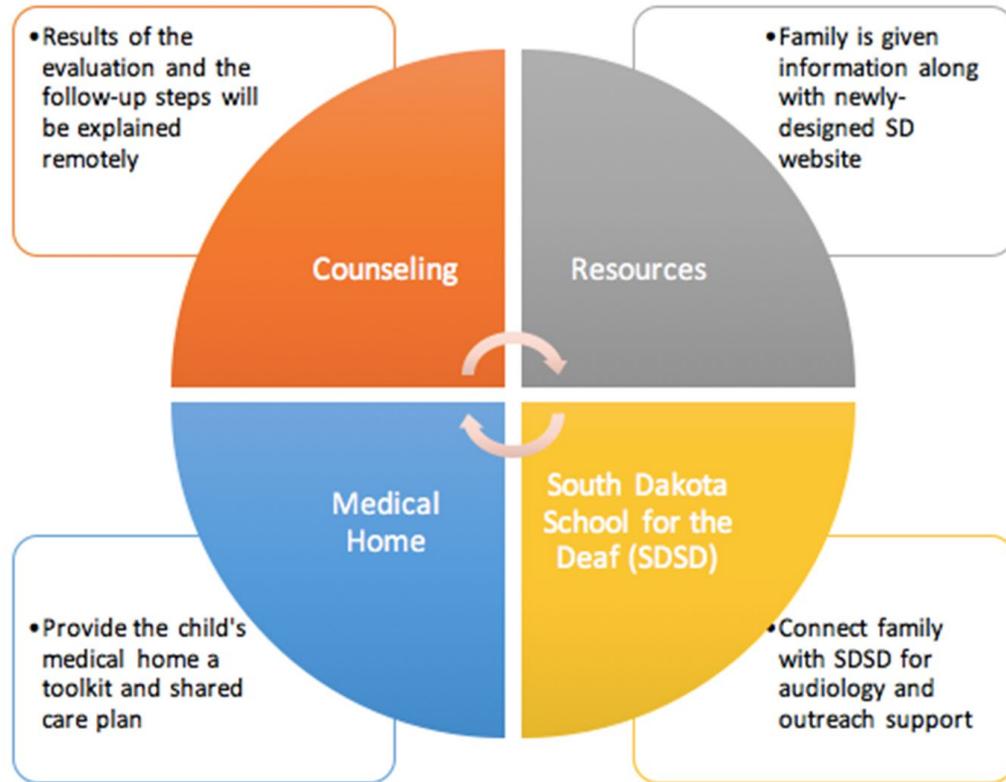
Cisco System

- HIPAA Compliant
- More expensive (thousands of dollars)
- Formal patient experience
- Clearer imaging
- Both sites need to have systems

After Diagnosis

When hearing loss is identified via teleaudiology, additional steps are taken to create a follow-up plan for the family.

1. South Dakota School for the Deaf
2. Birth to Three Services
3. Primary Care Provider
4. South Dakota EHDI Program



Payment for telehealth services

Medicare covers specific telehealth services but currently does not cover services provided by audiologist.

Medicaid is encouraged by CMS to develop approaches to telepractice and coverage expansion. (Medicaid.gov)

Each individual state is responsible for making their own guidelines for telepractice reimbursement



Our Teleaudiology Program Now

- Winner
- 8 babies scheduled (December to March)
 - 2 no shows
 - 4 Complete
 - 2 confirmed diagnosis prior to 3 months of age
 - 2 upcoming
- Aberdeen
 - Currently working on developing a strong referral process



Acknowledgements

We would like to take a moment to thank our team for their assistance and support through the development of South Dakota's teleaudiology program. We could not have done this without our team.

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References

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