

Teleaudiology: Lessons Learned Setting Up a Teleaudiology Infrastructure in a Facility Not Affiliated with a Medical Center Megan Wegher, B.S., Jessica J. Messersmith, Ph.D., CCC-A, Haifa Samara, Ph.D, MSIM, RN-NIC-CNL, Shelby Jepperson MPH, B.S. Department of Communications Science and Disorders & Nursing Department, The University of South Dakota

## Introduction

Although South Dakota is one of the few states that does not have EHDI legislation, the state has an initial screening rate of over 98% (Messersmith et al., 2014; South Dakota Department, 2016). Reducing the loss to follow-up rate, which was 61.9% in 2015, has been a priority (SD DOH, 2018). Utilization of teleaudiology for the diagnostic step of the EHDI program was identified as one means for improving the loss to follow-up rate. Efforts to build a teleaudiology infrastructure have been underway since 2016.

# Percent of Infants Who Did Not Pass Screening that were Lost to Follow-up\*

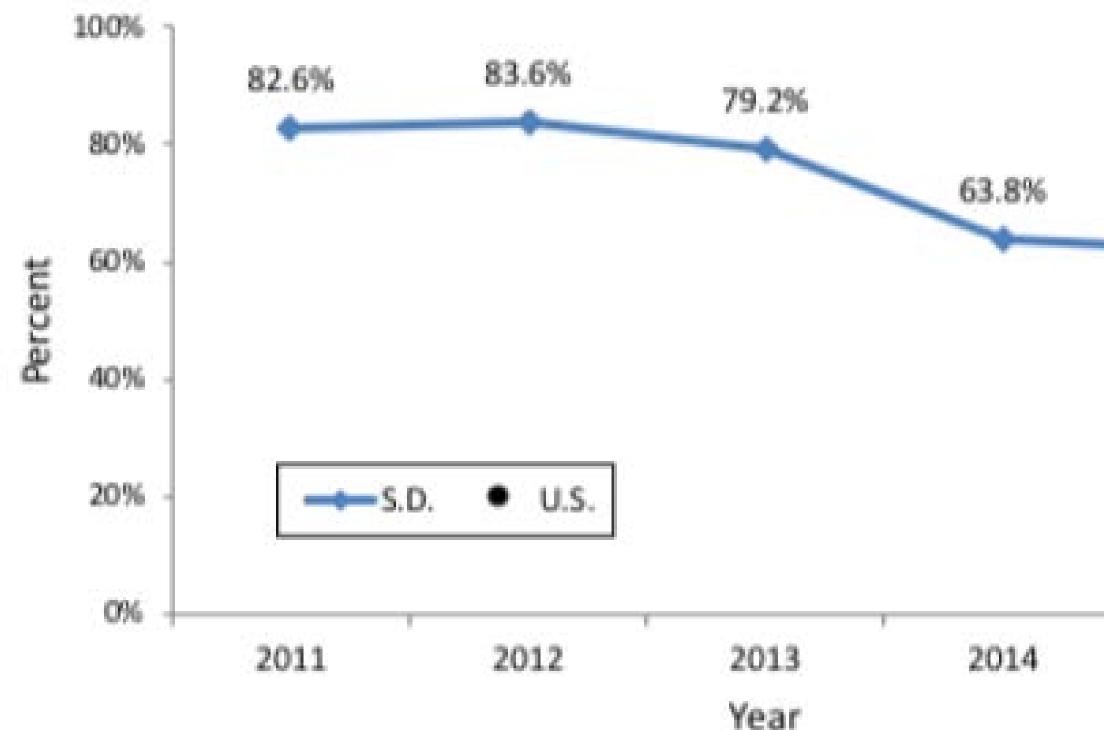


Figure 1. Percent of South Dakota infants who did not pass screening that were lost to follow-up compared to national average (SD DOH, 2018))

### Reducing Loss To Follow-Up

Efforts undertaken in attempt to improve the loss to followup rate in South Dakota are highlighted in figure 2. To optimize outcomes of children who are born with hearing loss, barriers to timely follow-up and treatment were identified from parents' perspectives through focus groups across South Dakota. One primary barrier parents from western and central South Dakota identified were the lack of pediatric audiologists throughout the geographic spread of the state. The majority of the pediatric audiologists in South Dakota are located in the southeastern corner of the state.

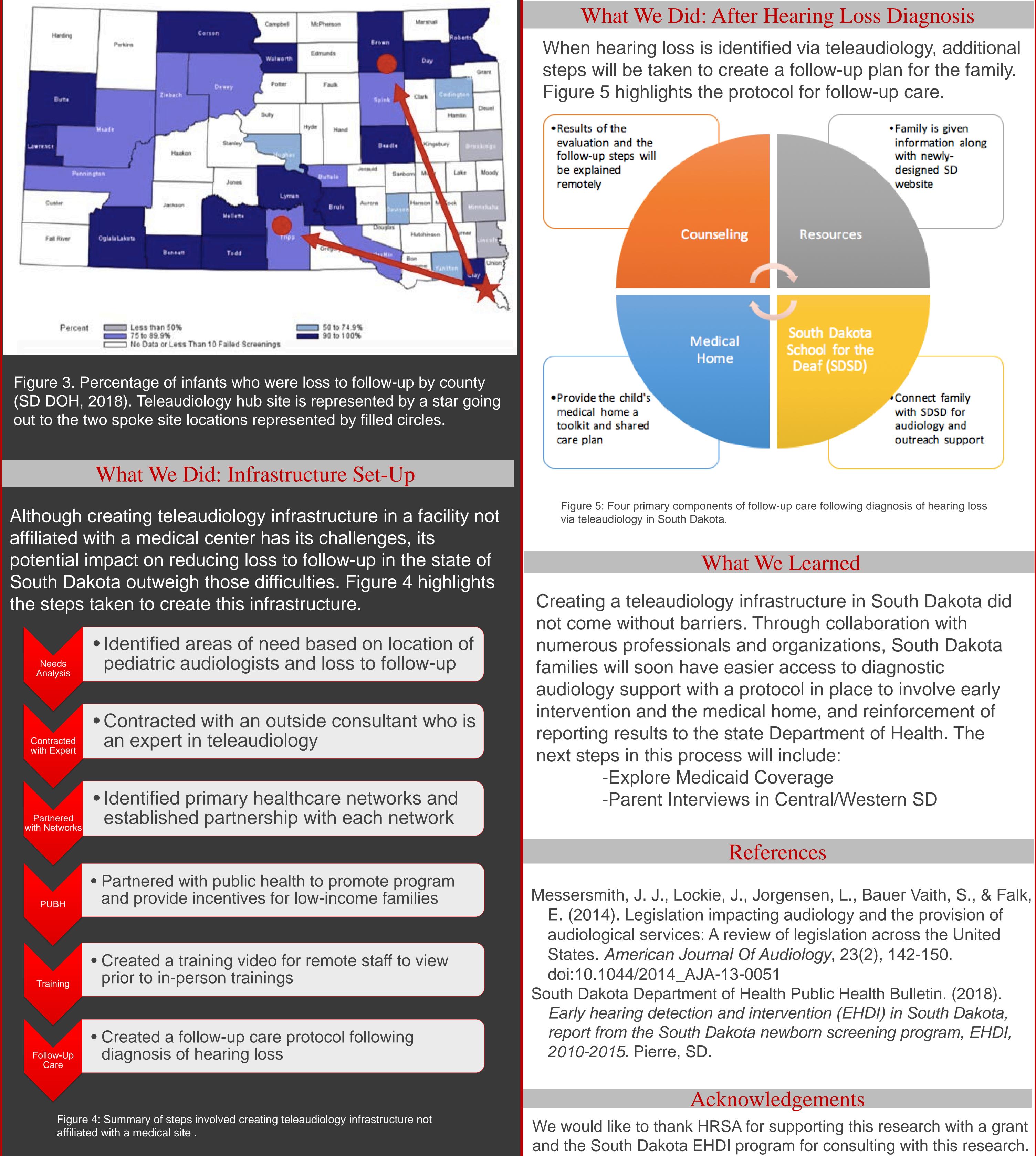


Figure 2. Recent actions to reduce loss to follow-up rate.

61.9% 27.9%

2015

Provider Trainings



Needs Analysis	<ul> <li>Identified areas of need pediatric audiologists a</li> </ul>
Contracted with Expert	<ul> <li>Contracted with an outs an expert in teleaudiol</li> </ul>
Partnered with Networks	<ul> <li>Identified primary healt established partnership</li> </ul>
PUBH	<ul> <li>Partnered with public healt and provide incentives for</li> </ul>
Training	<ul> <li>Created a training video for prior to in-person trainings</li> </ul>
Follow-Up Care	<ul> <li>Created a follow-up care p diagnosis of hearing loss</li> </ul>

