

Homebirth Hearing Screening: Nevada's Experience – Unique situations with unique solutions

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NEVADA DIVISION of PUBLIC
and BEHAVIORAL HEALTH

ALL IN GOOD HEALTH.



Learning Objectives

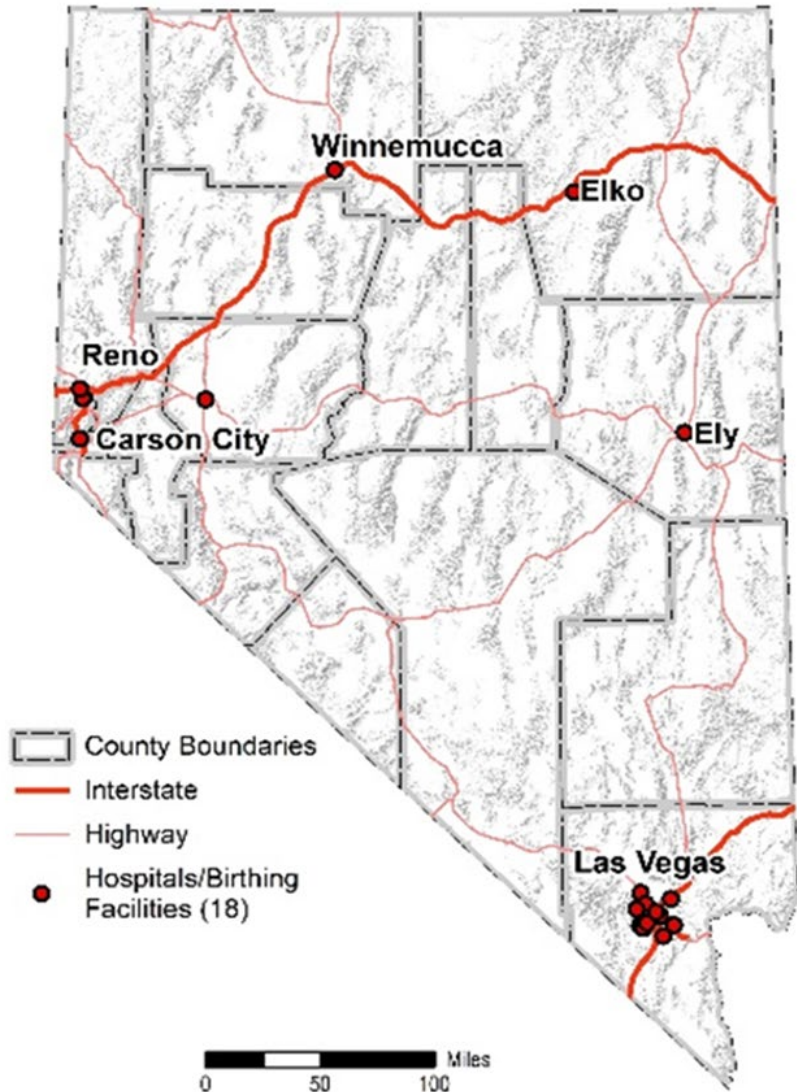
- Participants will be able to evaluate their home birth hearing screening processes from the Nevada home birth challenges and successes.
- Participants will be able to develop a plan to improve their home birth hearing screening percentages.
- Participants will be able to develop a plan to build and improve relationships with midwife providers.

Nevada EHDI Basics

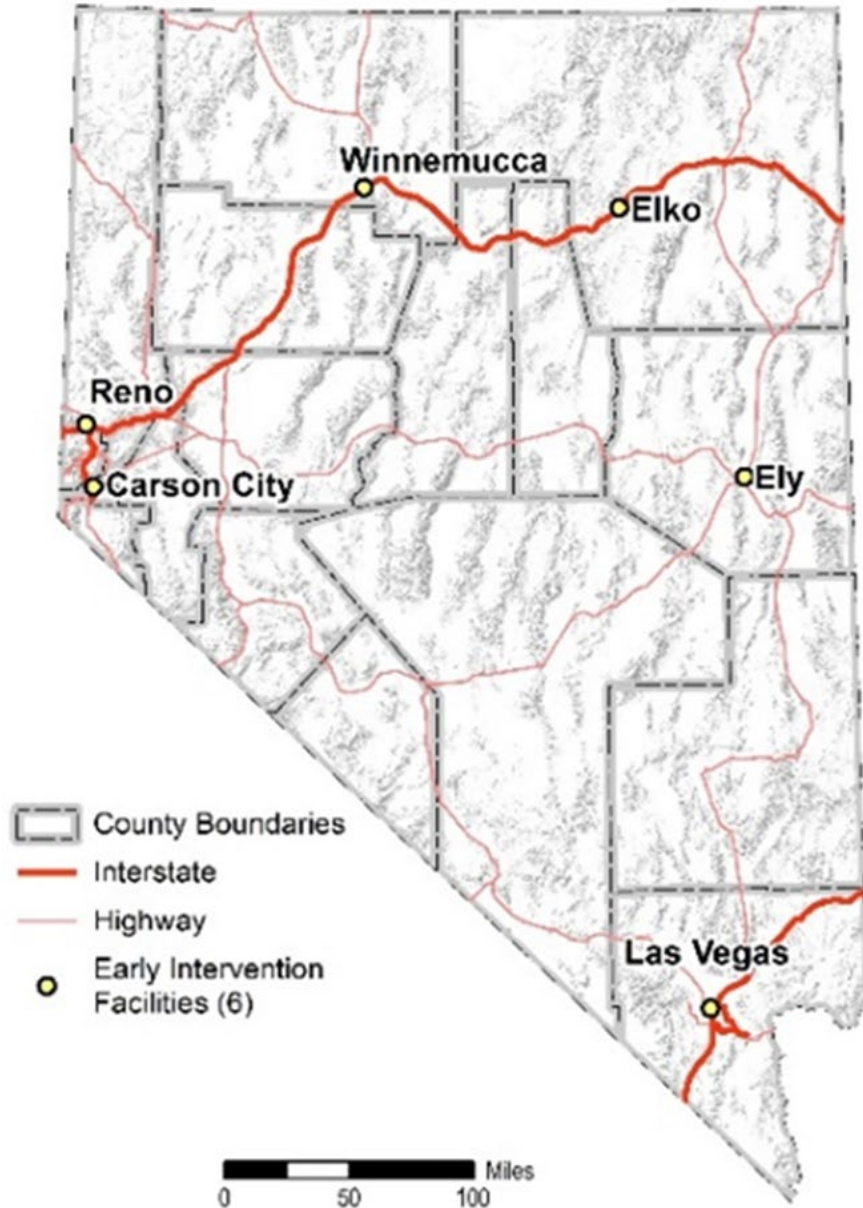
- Births per year: ~33,000
- Birthing facilities: 18
- Screening percentage: ~97%
- Home births per year: ~450
- Home birth screening percentage: ~30%
- Early Intervention facilities: *(Part C)* ~5
- Pediatric Audiologists: ~6



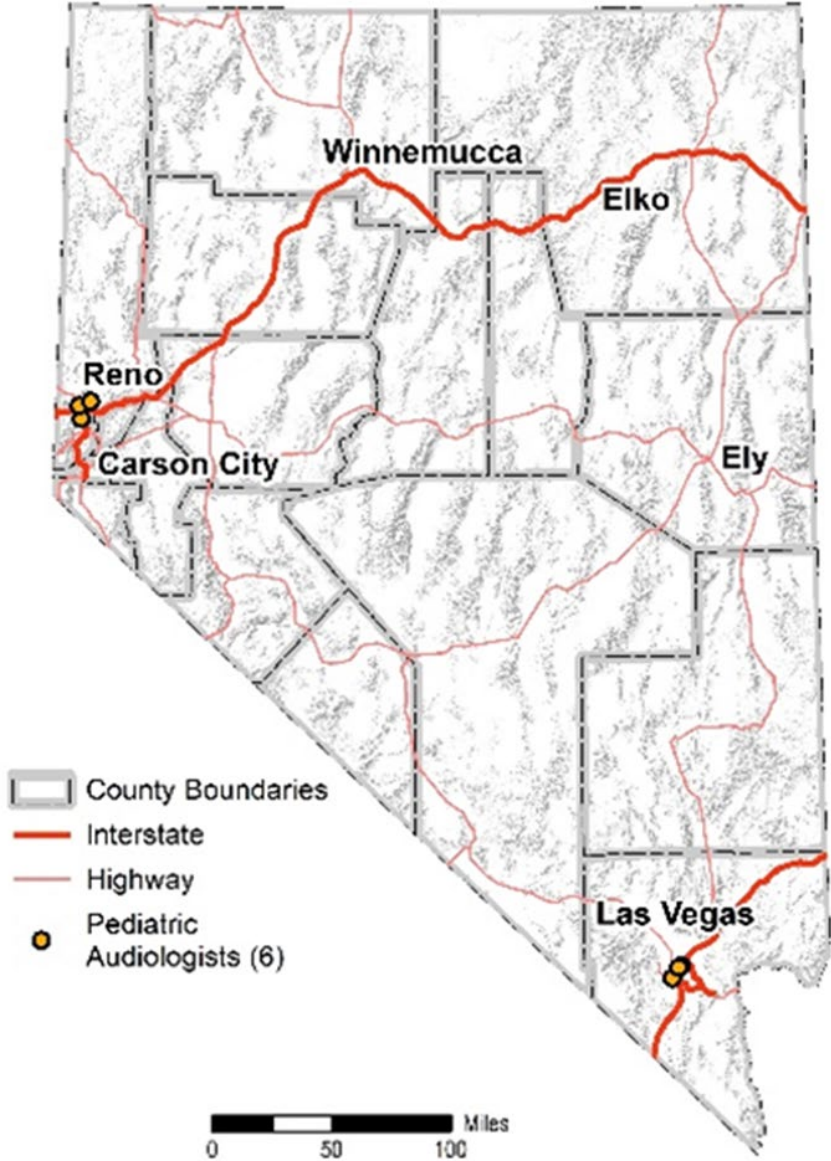
Hospitals/Birthing Facilities



Early Intervention Facilities



Pediatric Audiologists





Midwife Hearing Screening Efforts

1. Awareness campaign: importance of hearing screening
2. Midwife OAE Pilot Project: progressed up to 7 OAEs
 - No cost to midwives
 - EHDI purchased units, disposables, and annual calibrations
 - Midwives could not charge for screens and could only screen their infants
 - Units were aging out and EHDI was unable to replace



Midwife Hearing Screening Efforts

3. Joint effort with Nevada Early Intervention Services (NEIS)
 - IDEA Part C EI facilities
 - EHDI has always had a very productive relationship with NEIS and Part C
 - All Pediatric Audiologists work for NEIS
 - One-stop-shop concept – imagine a single building where families may go for their screening, audiology exams, and early intervention services.
 - This model is only working in one city at present but is partially work in two other communities.
4. Expand to other communities/cities



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NEWBORN HEARING SCREENING FOLLOW-UP GUIDELINES

Detecting hearing loss is critical to child development. Hearing loss is one of the most common birth defects. If left undetected it can negatively impact language acquisition, speech, academics, and social and emotional development. Following these guidelines from the state Early Hearing Detection and Intervention (EHDI) program ensures every infant receives the best care.



BY 1 MONTH

Hearing screenings should be performed prior to leaving the birthing facility. If the baby does not pass the hearing screen in one or both ears, a rescreen at 1-3 weeks of age is strongly encouraged:

- Always rescreen both ears
- If initially screened with AABR, rescreen with AABR if possible
- If initially screened with OAE, rescreen with OAE or AABR
- The screening facility and all rescreen providers should report results to the state EHDI Program



BY 3 MONTHS

If the rescreen is not passed, a diagnostic hearing evaluation with a pediatric audiologist is needed, who is able to perform the following:

- Click Auditory Brainstem Response (ABR)
- Frequency Specific Tone Burst ABR
- Bone Conduction ABR, if needed
- High Frequency Tympanometry
- Otoacoustic Emissions (OAE), optional
- The audiologist should report results to the state EHDI Program



BY 6 MONTHS

If child is identified as being deaf or hard of hearing, the following steps should be taken:

- Enrollment in an Early Intervention (EI) program
- A medical examination by an Ear, Nose, and Throat (ENT) physician
- Hearing aid consultation with a pediatric audiologist
- The Early Intervention provider should report results to the state EHDI Program or document in their data management system

Pediatric Audiology Facilities in Nevada

The following facilities are the only ones in Nevada with current profiles that meet the national guidelines built into the EHDI-PALS directory and have the necessary equipment to provide a complete diagnostic hearing evaluation on infants younger than 6 months of age. Visit EHDIPALS.org to search for a pediatric audiologist, find helpful links, or to learn more about infant hearing loss.

Nevada Early Intervention Services, Northwest

2667 Enterprise Rd.
Reno, NV 89512
(775) 688-1341

Desert Valley Audiology

501 S. Rancho Dr.
Suite A8
Las Vegas, NV 89106
(702) 605-9133

Nevada Early Intervention Services, South

1161 S. Valley View
Blvd.
Las Vegas, NV 89102
(702) 486-9200

University of Nevada School of Medicine

5320 S. Rainbow
Blvd., Suite 260
Las Vegas, NV 89118
(702) 992-6828

Nevada Early Hearing Detection and Intervention (EHDI)

4150 Technology
Way Suite 710
Carson City, NV
89705 (775) 684-
4285

E·H·D·I

Nevada Division of Public and Behavioral Health
Email: NvEHDI@hsa.hhs.nv.gov
Website: dohh.nv.gov/Programs/EHDI/EHDI-Home/

QUESTIONS?



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