

North Carolina Infant Diagnostic Audiologic Evaluation Sites
Updated February 2010

Infant Audiologic Assessment

Early detection and intervention of hearing loss are the keys to successful habilitation of infants and toddlers. Newborn hearing screening has been mandated in North Carolina since October, 1999. Based on national averages, it is expected that 1200-2400 infants (1-2%) will be referred for infant diagnostic audiologic assessment each year in North Carolina. Infants should be referred for diagnostic audiological evaluation following a “refer” result on two physiologic hearing screenings (i.e. initial newborn hearing screening and one follow-up re-screening), which should occur before the age of 1 month. **Hearing loss should be confirmed by three months of age.**

The diagnostic audiological evaluation should be completed by a *pediatric* audiologist. A pediatric audiologist is trained, has the technical expertise, and desire to work with the infant population. The pediatric audiologist is well-versed in developmentally appropriate test techniques, general child development, and parent counseling. The evaluation will consist of a battery of tests including child/family history, documentation of risk indicators for hearing loss, otoscopic inspection, otoacoustic emissions (OAE) assessment, auditory brainstem response (ABR) assessment, middle ear measures, and behavioral response to sound.

The North Carolina Early Hearing Detection and Intervention Advisory Board strongly recommends that any audiologist accepting referrals for infant diagnostic audiologic assessment have the equipment and ability to complete the following procedures:

- Auditory Brainstem Response (ABR, BAER)
ABR threshold (click, low and high frequency tone bursts, and bone conduction click)
ABR suprathreshold to click stimuli (varied click rate and polarity)
Note: If sedation is required, ABR should be conducted in a medical facility where sedation can be administered and monitored.
- Middle Ear Measures
Tympanometry using probe tone of 1000 Hz
Acoustic Reflex Threshold
- Otoacoustic Emissions
- Behavioral Response (via parent report or direct observation)
- Otologic Evaluation – *may occur at a different facility and time*

The audiologist must report the audiologic evaluation results to the North Carolina Early Hearing Detection and Intervention Program as required by law (*10A NCAC 43F.1204*).

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The following audiologists have indicated, by self-report, that they conduct the test battery recommended by the NC Early Hearing Detection and Intervention Program Advisory Board for the diagnostic audiologic evaluation of infants who do not pass the hearing screening conducted at birth.

ASHEVILLE, NC

Asheville Head, Neck & Ear Surgeons

1065 Hendersonville Road
Asheville, NC 28803
(828) 254-3517
Medical facility affiliation for sedation: Asheville Surgery Center

BOONE, NC

High Country Ear, Nose, & Throat

895 State Farm Road
Suite 303
Boone, NC 28607
(828) 265-4045
Medical facility affiliation for sedation: None

CHAPEL HILL, NC

UNC Hospitals

G0303 Neuroscience Hospital
101 Manning Drive
Chapel Hill, NC 27514
(919) 843-4479
Medical facility affiliation for sedation: UNC Hospitals

CHARLOTTE, NC

Carolinas Rehabilitation

1100 Blythe Boulevard
Charlotte, NC 28203
(704) 355-4430
Medical facility affiliation for sedation: Carolinas Medical Center

Charlotte Eye, Ear, Nose & Throat Associates, P.A.

6035 Fairview Road
Charlotte, NC 28210
(704) 295-3300
Medical facility affiliation for sedation: None

Cornerstone ENT

3135 Springbank Lane
#200
Charlotte, NC 28226
(704) 752-7575
Medical facility affiliation for sedation: None

Presbyterian Rehabilitation Center

125 Baldwin Avenue
Suite 100
Charlotte, NC 28204
(704) 384-7434
Medical facility affiliation for sedation: Presbyterian Hospital, Main Campus

CONCORD, NC

CMC-Northeast Audiology

130 Lake Concord Road
Suite C
Concord, NC 28025
(704) 403-1472
Medical facility affiliation for sedation: CMC-Northeast

DURHAM, NC

Duke University Medical Center

200 Trent Drive
Clinic 1i
Durham, NC 27710
(919) 684-3859
Medical facility affiliation for sedation: Duke Children's Hospital

FT. BRAGG, NC

Womack Army Medical Center

2817 Reilly Road
Ft. Bragg, NC 28310
(910) 907-6777
(note: Military only)
Medical facility affiliation for sedation: Womack Army Medical Center

GOLDSBORO, NC

Eastern ENT Sinus & Allergy Center, P.A.

2707 Medical Office Place
Goldsboro, NC 27534
(919) 735-9146 ext. 131
Medical facility affiliation for sedation: None

GREENSBORO, NC

The Moses Cone Health System Rehab-Audiology Services

1200 North Elm Street
Greensboro, NC 27401
(336) 832-8121
Medical facility affiliation for sedation: Moses Cone Hospital

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GREENVILLE, NC

***East Carolina University Speech-
Language and Hearing Clinic***
School of Allied Health Sciences
East Carolina University
Library, Allied Health & Nursing
Building
Greenville, NC 27858-4353
(252) 744-6104

Medical facility affiliation for
sedation: None

Pitt County Memorial Hospital
2100 Stantonsburg Road
Greenville, NC 27835
(252) 847-4448

Medical facility affiliation for
sedation: ECU School of Medicine

WINSTON-SALEM, NC

Forsyth Medical Center
Department of Audiology
3333 Silas Creek Parkway
Winston-Salem, NC 27103
(336) 718-1642

Medical facility affiliation for
sedation: Forsyth Medical Center

North Carolina Baptist Hospital
Audiology Department
Medical Center Boulevard
Winston-Salem, NC 27157
(336) 716-3103

Medical facility affiliation for
sedation: Wake Forest University
Baptist Medical Center

N. WILKESBORO, NC

***Boone Regional Ear, Nose &
Throat***
1915 W. Park Drive
Suite 107
N. Wilkesboro, NC 28659
(336) 838-7758

Medical facility affiliation for
sedation: None

WILMINGTON, NC

Botros & Pollock, PA
1625 Doctors Circle
Wilmington, NC 28401
(910) 762-0234

Medical facility affiliation for
sedation: None

***Wilmington Ear, Nose, & Throat
Associates***
2311 Delaney Avenue
Wilmington, NC 28403
(910) 762-8754

Medical facility affiliation for
sedation: None