

Audiological Assessment/Diagnostic Centers Serving Children Birth through 3 Years of Age

SoundBeginnings (SB) has established standards for audiological assessment/diagnostic centers that serve infants and young children identified through newborn hearing screening. The Kansas Department of Health, through SoundBeginnings, maintains the list of approved centers categorized according to the level of testing they administer and services they provide. This list is distributed to physicians, early intervention agencies, and families of young children with hearing loss.

Levels of Diagnostic Audiology Centers

Level 3: *Serves children birth to 3 years. Offer sedated and nonsedated Auditory Brainstem Response testing in addition to other traditional pediatric test procedures.*

Provides hearing aid services.

Children's Mercy Hospital South/ Hearing & Speech Department

5520 College Blvd. Ste. 370
Overland Park, KS 66211
913-696-8844

Children's Mercy Hospital

2401 Gilham Rd
Kansas City, MO 64108
816-234-3677

University of Kansas Medical Center/Hearing & Speech Department

3901 Rainbow Blvd
Kansas City, KS 66160
913-588-5730

Via Christi Rehabilitation Hospital

1151 N. Rock Rd
Wichita, KS 68206
316-634-3451

Does not provide hearing aid services.

Wesley Medical Center

550 N. Hillside
Wichita, KS 67214
316-962-2959

Level 2: *Serve children birth to 3 years. Offer nonsedated ABR testing in addition to other traditional pediatric test procedures.*

Provides hearing aid services.

Hartley Audiology Clinic

University of Kansas Medical Center – Edwards Campus

12600 Quivira Regnier Hall Ste. 370

Overland Park, KS 66213

913-588-5730

Greenbush – Southeast Kansas Educational Service Center

947 W. 47 HWY

Girard, KS 66743

620-724-6281

Does not provide hearing aid services.

Topeka Ear Nose Throat

920 SW Lane Ste. 200

Topeka, KS 66606

785-233-0500

Level 1: *Serve children 6 months corrected age (CA) to 3 years. Offer traditional pediatric test procedures, but not ABR testing.*

Provides hearing aid services.

Heartspring

8700 E. 29th Str. No

Wichita, KS 67226

Does not provide hearing aid services.

Central Kansas ENT

520 S. Santa Fe Ste. 200

Salina, KS 67401

785-823-3761

Siena Medical Clinic – Audiology Department

311 E Spruce

Garden City, KS 67846

620-271-3139

Level 3a and 3b Test Procedures:

- Child medical and family history
- Elicitation of any history of adverse events following anesthesia/sedation when sedation is recommended
- Evaluation of risk indicators for hearing loss
- Ability to perform sedated and unsedated ABRs
- Frequency-specific assessment of the ABR using air conducted tone bursts and bone conducted tone bursts when indicated
- Frequency-specific ABR testing shall be performed to determine the degree and configuration of hearing loss in each ear for fitting of amplification devices, when chosen by the family
- Click-evoked ABR testing using both condensation and rarefaction high intensity level single-polarity stimulus if there are risk indicators for auditory neuropathy/dyssynchrony such as hyperbilirubinemia or anoxia, to determine if cochlear microphonic is present. Some infants with neural hearing loss have no risk indicators; therefore, any infant who demonstrates “no response” on ABR elicited by tone-burst stimuli must be evaluated by a click-evoked ABR
- Tympanometry, including capability of using a 1000-Hz probe tone
- Distortion product or transient evoked OAEs
- Testing in a calibrated soundfield using speech and frequency specific stimuli
- Pure-tone audiometry across the frequency range for each ear, including air conduction testing with supra-aural and insert earphones and bone conduction testing. The limits of air conduction testing must meet or exceed 110 dBHL
- Visual reinforcement audiometry
- Conditioned play audiometry
- Word recognition testing with materials appropriate for different language levels
- Speech detection and recognition measures
- Parental report of auditory and visual behaviors and communication milestones for infants 0 to 36 months

3b: Provides Hearing Aid Services: Verification of hearing aid(s) using electro-acoustic measures tailored to infants and young children; including hearing instrument evaluation and minimal maintenance including real ear (probe microphone) measures, hearing aid test analyzer, hearing aids, and hearing-aid servicing supplies.

Level 2a and 2b Test Procedures:

- Child medical and family history
- Evaluation of risk indicators for hearing loss
- Ability to perform unsedated ABRs
- Frequency-specific assessment of the ABR using air conducted tone bursts and bone conducted tone bursts when indicated
- Frequency-specific ABR testing shall be performed to determine the degree and configuration of hearing loss in each ear for fitting of amplification devices, when chosen by the family
- Click-evoked ABR testing using both condensation and rarefaction high intensity level single-polarity stimulus if there are risk indicators for auditory neuropathy/dyssynchrony such as hyperbilirubinemia or anoxia, to determine if cochlear microphonic is present. Some infants with

neural hearing loss have no risk indicators; therefore, any infant who demonstrates “no response” on ABR elicited by tone-burst stimuli must be evaluated by a click-evoked ABR

- Tympanometry, including capability of using a 1000-Hz probe tone
- Distortion product or transient evoked OAEs
- Testing in a calibrated soundfield using speech and frequency specific stimuli
- Pure-tone audiometry across the frequency range for each ear, including air conduction testing with supra-aural and insert earphones and bone conduction testing. The limits of air conduction testing must meet or exceed 110 dBHL
- Visual reinforcement audiometry
- Conditioned play audiometry
- Word recognition testing with materials appropriate for different language levels
- Speech detection and recognition measures
- Parental report of auditory and visual behaviors and communication milestones for infants 0 to 36 months
- Procedure to refer infants/young children for sedated ABR at a Level 3 Center when necessary

2b: Provides Hearing Aid Services: Verification of hearing aid(s) using electro-acoustic measures tailored to infants and young children; including hearing instrument evaluation and minimal maintenance including real ear (probe microphone) measures, hearing aid test analyzer, hearing aids, and hearing-aid servicing supplies

Level 1a and 1b Test Procedures:

- Child medical and family history
- Evaluation of risk indicators for hearing loss
- Parental report of auditory and visual behaviors and communication milestones for infants 6 to 36 months
- Referral procedures for Auditory Brainstem Response (ABR) testing to Level 2 and 3 centers, including when behavioral audiometry is not reliable or if an infant or young child is diagnosed with hearing loss and has not had an ABR in the past
- Tympanometry, including capability of using a 1000-Hz probe tone
- Distortion product or transient evoked OAEs
- Testing in a calibrated soundfield using speech and frequency specific stimuli
- Pure-tone audiometry across the frequency range for each ear, including air conduction testing with supra-aural and insert earphones and bone conduction testing. The limits of air conduction testing must meet or exceed 110 dBHL
- Visual reinforcement audiometry
- Conditioned play audiometry
- Word recognition testing with materials appropriate for different language levels
- Speech detection and recognition measures

1b: Provides Hearing Aid Services: : Verification of hearing aid(s) using electro-acoustic measures tailored to infants and young children; including hearing instrument evaluation and minimal maintenance including real ear (probe microphone) measures, hearing aid test analyzer, hearing aids, and hearing-aid servicing supplies