

# Audiology Program at Kennedy Krieger Institute

## Who We Are

The Audiology Program at Kennedy Krieger Institute evaluates, diagnoses, and treats infants, children, and adults with hearing disorders. Hearing is essential for the development of speech, language, and learning. The earlier that hearing loss occurs in a child's life, the more serious is the effect on the child's development. Similarly, the earlier the hearing loss is identified and intervention begun, the more likely it is that the delays in speech and language development will be diminished. The goal of the Audiology Program is to diagnose and treat hearing loss in children as early as possible.

## Who We Serve

We specialize in hearing evaluations of patients from birth to 21 years of age, including children with complex developmental and medical conditions. We also follow some adults with hearing loss. Our pediatric audiologists are skilled in evaluation of newborns, and use state-of-the-art procedures to provide comprehensive diagnostic evaluation of infants at risk for hearing loss.

## Our Team

All faculty and staff audiologists at Kennedy Krieger are licensed by the Maryland Board of Examiners of Audiologists and hold doctoral degrees. All staff have special expertise in treating infants and children with multiple developmental concerns, as well as typically developing infants and young children with speech and language delays. Appropriate techniques are available for all ages and levels of development.

## Our Approach

We offer a wide variety of procedures and services to assess and treat a child's ability to hear and process sounds at various stages of their development. Our comprehensive approach includes collaboration with specialists in speech language pathology, developmental medicine, and other disciplines to provide specialized care tailored to each patient's unique set of needs.



- **Comprehensive audiological and hearing aid evaluations** – These assessments determine a child's auditory status using behavioral and non-invasive, objective procedures. For very young children, behavioral observation or procedures using cartoon-like videos are used as reinforcement to encourage a child to turn in the direction of a sound. For older children, more advanced procedures are used. The evaluations also include measures of speech processing, auditory function (e.g., tympanometry, acoustic reflex measurements), and otoacoustic emissions that require no response from the child.

We are all born with great potential.  
Shouldn't we all have the chance to achieve it?



Kennedy Krieger Institute  
UNLOCKING POTENTIAL

- **Auditory evoked potential measurements** – This test measures the brain wave activity that occurs in response to clicks or certain tones. Auditory brainstem response (ABR) can be administered under natural sleep conditions or during moderate sedation using a nasal mist. During sedated procedures, children are continuously monitored by a nurse, and a physician is immediately available if needed.
- **Hearing aid dispensary** – Hearing aid services are available to dispense a variety of digital hearing aids. Both objective measurements and developmentally appropriate behavioral test procedures are used to verify that a child is receiving optimal benefit from hearing aids.
- **Auditory processing evaluations** – These evaluations assess how the central nervous system uses auditory information. These tests require listeners to attend to speech and other auditory signals and to respond. Other tests that measure the auditory system's physiologic responses to sound are also administered.

## Contact Information

### Audiology Program at Kennedy Krieger Institute

For more information or to schedule an appointment, please call **443-923-9400**, or toll-free at **888-554-2080**. TTY: **443-923-2645** or Maryland Relay **711**

[kennedykrieger.org/audiology-clinic](http://kennedykrieger.org/audiology-clinic)

### Physicians & Healthcare Professionals

Healthcare professionals wishing to refer a patient should call our Physician Referral Line at **443-923-9403**.

### Clinic Location:

801 North Broadway  
Baltimore, MD 21205

Kennedy Krieger Institute recognizes and respects the rights of patients and their families and treats them with courtesy and dignity. Care is provided in a manner that preserves cultural, psychosocial, spiritual and personal values, beliefs, and preferences. We encourage patients and families to become active partners in their care by asking questions, requesting resources, and advocating for the services and support they need.



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