

PREVENTIVE CARE RECOMMENDATIONS

PEDIATRIC AGES 0-10

TEST DEFINITIONS

OAE

Otoacoustic Emissions: A physiologic screening test of the outer hair cells of the cochleas that can be done at any age, to detect sensory hearing loss of 30 dB or higher. It can be done in several minutes and is cost effective.

ABR

Auditory Brainstem Response: Known as the BAER by most physicians, this tests the integrity of the entire auditory system up to the level of the brainstem. It can be performed either as a screening procedure or an in depth evoked potential evaluation. It is more expensive than OAE and more time consuming, but can give more comprehensive information.

VRA

Visual Response Audiometry: This behavioral test of infants that can accurately estimate hearing throughout the frequency range, by conditioning the baby to localize sound that is paired with a visual reinforcer. It is used from 6 months to about 2 ½ years of age.

COR

Condition Orientation Response. Similar to VRA, requiring the infant to localize in both directions.

Play Audiometry

Used to assess pure tone thresholds for children 2 ½ to 4 years of age by engaging the child in a game such as stacking blocks or placing pegs in a pegboard when they hear a tone.