



Equipment Specification Requirements

Purpose

The purpose of this document is to outline the minimum requirements for the procurement, use and maintenance of equipment used by Health Service Providers to conduct the Newborn Hearing Screening Program, to ensure consistency across the WA health system.

Equipment Specifications

While Health Service Providers may choose to procure any hearing screening equipment on the market at their discretion, they must ensure that the equipment provision includes:

- training resources and/or training from the provider
- ongoing technical support
- provisions for the event a machine breaks down.

To enable consistent and reliable data collection, the equipment must:

- use Automated Auditory Brainstem Response (AABR)
- detect the auditory brainstem response (ABR) waveform with statistical confidence > 99%
- test and provide a PASS/REFER result for 35dB nHL for both ears
- screen babies from 34 weeks completed gestation to six months of age

Once collected, the data must:

- be sent to the Newborn Hearing Screening Department hearingscreening@health.wa.gov.au in either txt, csv or xml format
- contain the mandatory fields in Table 1

Table 1: Mandatory data fields for newborn hearing screening equipment

Field Name
Baby's UMRN
Baby's surname
Baby's date of birth
Time of screen
Date of screen
Result right ear
Result left ear
Duration of screen
Device ID
User/Screeener ID