



Instructions for the Audiology Assessment (AUD) Form

I. General Instructions

In general, since participant motivation and level of understanding can have a significant impact on performance and length of time required for testing, each component of the exam should be administered according to the protocol and in the following sequence:

- Explain the procedure to the study participant making sure to convey key points from the suggested script.
- Ask the participant if they have any questions.
- Re-explain the procedure briefly using the suggested script if necessary.
- Ask the participant to perform the procedures.
- If the participant displays difficulty performing the procedures, repeat instructions.

Use the script provided to ensure that all key points are covered when you describe each test and how to perform it properly. Please do not provide additional description or encouragement beyond the key points provided by the standard scripts.

II. Detailed Instructions for each Item

0a. Enter the date on which the participant was seen.

0b. Enter the staff ID for the person who completed this form.

0c. Enter whether this is a clinic-based exam (C) or home/long term facility (LTCF)-based exam (H).

A. Otoscopy

1a and 1b. Otoscopy will not be performed at V12 – This section has been removed.

B. Headphone Selection

2. Headphone Selection – Only Supra Aural Headphones will be used in V12. The insert earphones have been dropped. There's no selection of headphone choice at V12 so this section has been removed.

Please see manual for proper headphone placement.

C. Ambient Noise Levels (Applicable only to the hearX test completed at either home-based visits or in the event the hearing test is completed outside of the sound booth in the clinic.)

3. Q3. Were ambient noise levels acceptable prior to testing?

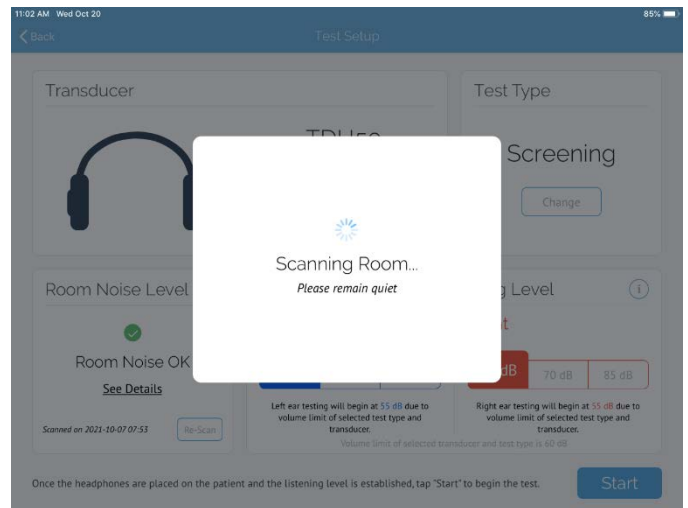
This field will only be enabled for home/LTCF visits.

Until further notice, always reply **YES** to this question. You may write a notelog if you believe ambient noise levels were unacceptable. When we fix the form in CDART you may go back and change to NO if needed.

This section only applies to home-based visits or clinic-based visits using the hearX device outside the sound booth.

See manual Chapter 5 for more information on performing a room ambient noise level analysis. Select a quiet area of the home for testing. Prior to performing the noise check, please ask everyone in the room to remain quiet and ensure that all sources of noise (e.g. T.V., electronics, etc.) are shut down.

If the noise levels are too loud in the area you are performing the hearing testing, the results may be inaccurate, and a warning will present in RED on the bottom of the noise test screen. You still will proceed with testing regardless of noise. Please mark “N” (No) if the warning presented regarding noise levels and the hearX testing was completed. This information will inform quality assurance of data at later stages.



D. Audiometric Results – Pure-Tone Air Conduction in the Sound Booth

4a1-4a17 and 4b1-4b17 apply to all visit types.

If in the clinic, ensure participant is seated in the booth so that they are facing the window where the technician is seated.

If in the home, ensure participant is seated in a chair facing away from the technician. *Please Note: it is acceptable to have the participant's back or side facing the technician. It is important to ensure the participant cannot visualize the technician's hands on the portable audiometer or risk the participant knowing when sound is being presented based on the technician's hand movement.*

Explain to the participant, “Now I’m going to measure how well you can hear certain sounds. I am going to put earphones over your head and you will hear beeping sounds of different pitches through them. When you hear a beep or tone, no matter how soft the sound is, please press the button for 1 second and let go. It is important that you sit still for the test. Do you have any questions for me?”

Ensure the participant has no questions, place the headphones, and proceed with testing. Please see manual for instructions on audiometric testing.

Proceed first with 1000 Hz as per manual instructions. Remember that the first ear tested will rely on the last digit of the participant’s ID number (odd = right ear first, even = left ear first).

Once a threshold is obtained, record the value in the appropriate box 4a1 for right, 4b1 for left. *Please Note: that threshold is based on the decibel level along the y-axis.*



	1000 Hz	500 Hz	250 Hz	Repeat 1000 Hz	2000 Hz	3000 Hz	4000 Hz	6000 Hz	8000 Hz
Right (clinic and home)	4a1	4a3	4a5	4a7	4a9	4a11	4a13	4a15	4a17
	030	030	020	035	040	045	045	050	050

Please Note: That the 4a1 box is different from the 4a7 box, in this scenario, we are assuming that the participant changed their threshold on their repeat of 1000 Hz. Changes within 5-10 dB are completely appropriate and expected during testing.

Please Note: Sections on Acceptable Noise (4a2, 4a4, etc., and 4b2, 4b4, etc.) have been grayed out on the form.

Please see manual for more information on conducting audiometric testing.

With The hearX Tablet and headphones:

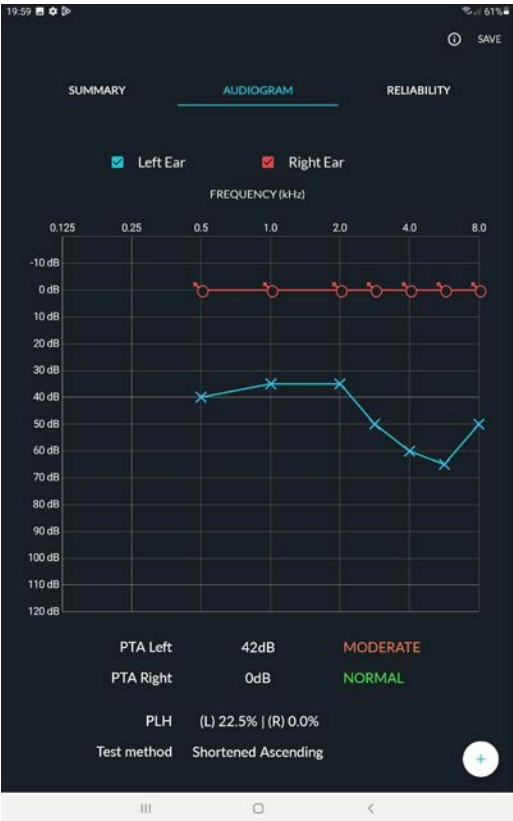
- Ensure the RED phone is over the RIGHT ear and BLUE is over the LEFT.
- The hearX test will default to the start of an ear. You do not need to do anything additional. Please answer "Unsure" regarding the question "Does the person have a hearing impairment or tinnitus?"

Ensure the participant has no questions, place the headphones, and proceed with testing. Please see manual for instructions on audiometric testing.

The hearTest will run automatically through the frequencies (Hz) and levels (dB). The technician is to press the green "check mark" if the participant hears the tone and the red "X" if they do not. Once the thresholds are

obtained, record the values from the audiogram in the appropriate fields. *Please Note: The thresholds are based on the decibel (dB) level along the y-axis.*

Proceed with the following frequencies. The technician may continue to record the values as they test, or simply save them to the screen.



In the example screen above, the following values would be recorded:

Audiometric Results Pure-Tone Air Conduction (clinic and home/LTCF exam)									
	1000 Hz	500 Hz	250 Hz	Repeat 1000 Hz	2000 Hz	3000 Hz	4000 Hz	6000 Hz	8000 Hz
Right Threshold (clinic and home)	4a1 0	4a3 0	4a5 NR	4a7 NA	4a9 0	4a11 0	4a13 0	4a15 0	4a17 0
Acceptable Noise (Y/N) (home)	4a2 Y	4a4 Y	4a6 Y	4a8 Y	4a10 Y	4a12 Y	4a14 Y	4a16 Y	4a18 Y
Left Threshold (clinic and home)	4b1 35	4b3 40	4b5 NR	4b7 NA	4b9 35	4b11 50	4b13 60	4b15 65	4b17 50
Acceptable Noise (Y/N) (home)	4b2 Y	4b4 Y	4b6 Y	4b8 Y	4b10 Y	4b12 Y	4b14 Y	4b16 Y	4b18 Y

E. QuickSin Results (applicable only to clinic-based exams in the sound booth using the Interacoustics Equinox 2.0 Audiometer)

Please Note: It is possible to complete the QuickSIN and hearX tests together. However, the QuickSIN must be completed in the booth because the Interacoustics equipment hosts the QuickSIN test.

If in the clinic, upon completing the audiometric air-conduction testing, proceed with QuickSin testing.

Use the talk-over button (outlined in manual operations section) to tell the participant to relax while you prepare the next portion of the exam.

See manual for setting up the QuickSin test. Ensure the appropriate tracks are selected.

When ready, explain to the participant, *“You will now hear several sentences with some background noise that sounds like a noisy restaurant. Repeat each sentence the woman says. It will become increasingly difficult to understand the woman’s voice, but please guess and repeat as much of each sentence as possible.”*

Ensure the participant understands the instructions and doesn’t have any questions and proceed with testing.

Proceed with the first sentence and wait for the participant to repeat the sentence back. Record the number of bold words that the participant repeats correctly. For example, using the first sentence for 5a. If “The **hinge** on the **door creaked** with **old age**” is presented and the participant repeats back “The **hinge** on the **door** cracked with **old** sage” then 3 out of 5 are correct and a 3 is recorded in box 5a.

Continue with testing.

Please Note: Give the participant ample time to repeat the sentence and encourage guessing if they do not repeat. The sentences will only be presented after the technician records the correct value on the screen.

