

NIH Toolbox - Visual Acuity Test

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| **Event Category:** | Time-Based |
| **Event:** | 36M, 60M |
| **Administration:** | N/A |
| **Instrument Target:** | Child  |
| **Instrument Respondent:** | Child |
| **Domain:** | Physical Measures |
| **Document Category:** | Physical Measure |
| **Mode (for this instrument\*):** | In-Person, CAI;  |
| **OMB Approved Modes:** | In-Person, CAI; Web-Based, CAI |
| **Method:** | Data Collector Administered |
| **Estimated Administration Time:** | 3 minutes |
| **Multiple Child/Sibling Consideration:** | Per Child |
| **Special Considerations:** | N/A |
| **Version:** | 1.0 |
| **MDES Release:** | 4.0 |
| **Publisher:** | NIH Toolbox |
| **NCS Contact:** | Westat - 301-251-1500 |

\*This instrument is OMB-approved for multi-mode administration but this version of the instrument is designed for administration in this/these mode(s) only.

Physical Measures Visual Acuity Test

This test directly measures participants’ visual acuity, or distance vision. The participant is seated 12.5 feet away from a computer monitor at eye level, and letters (called “optotypes”) are displayed one at a time on the screen for the participant to identify, using both eyes at the same time.

As the participant successfully identifies optotypes of a given size, smaller ones appear on the screen, until the computer program ascertains the smallest-size optotype the participant can successfully see. Conversely, the program displays larger optotypes if the participant cannot see the letter size that is first displayed, until a size that he/she can accurately see is found.

For participants ages 3-7, only the letters H, O, T, and V are used, and children may point to a laminated card showing the letters if they cannot verbalize or cannot recall the letter names.

This test takes approximately three minutes to administer and is recommended for ages 3-85.