

Normative Data on the Cincinnati Auditory Skills Checklist

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Checklist Item	Birth – 1 Year	1 – 2 Years	2 – 3 Years
2. Does your child use body language to indicate when something is heard (for example: turns head, eye widening, quiets, stops action, changes facial expressions)?	Often: 80% Sometimes: 20% Rarely: 0%	Often: 96.9% Sometimes: 3% Rarely: 0%	Often: 96.6% Sometimes: 3.3% Rarely: 0%
3. Does your child show awareness (alerts or quiets in response to loud sounds, turns to the sound source) to loud environmental sound (for example: a dog barking)?	Often: 80% Sometimes: 20% Rarely: 0%	Often: 100% Sometimes: 0% Rarely: 0%	Often: 100% Sometimes: 0% Rarely: 0%
4. Does your child show awareness (quiets to the sound and/or turns to the sound source) of soft environmental sounds (for example: microwave bell, clock ticking, etc.)?	Often: 33.3% Sometimes: 60% Rarely: 6.6%	Often: 66% Sometimes: 30.3% Rarely: 3%	Often: 64% Sometimes: 29% Rarely: 7%
5. Does your child show awareness of voices (quiets to the sound and/or turns to the sound source), spoken at typical loudness levels (in regular voice)?	Often: 66.6% Sometimes: 33.3% Rarely: 0%	Often: 96.9% Sometimes: 3% Rarely: 0%	Often: 100% Sometimes: 0% Rarely: 0%
6. Does your child detect the Ling Six Sounds (M, AH, OO, E, SH, S)?	Detects all: 60% Detects at least one: 20% Does not detect any: 20%	Detects all: 93.9% Detects M/AH/OO/EE: 6%	Detects all: 96.6% Detects: M/AH/OO/E/S: 3.3%
7. Does your child detect the speaker's voice when background noise (softer than the speaker's voice) is present?	Often: 53.3% Sometimes: 33.3% Rarely: 13.3%	Often: 88.4% Sometimes: 11.5% Rarely: 0%	Often: 93.3% Sometimes: 6.6% Rarely: 0%
8. Does your child search to find out where a sound is coming from?	Often: 53.3% Sometimes: 33.3% Rarely: 13.3%	Often: 66.6% Sometimes: 36.6% Rarely: 0%	Often: 66.6% Sometimes: 36.6% Rarely: 0%
9. Does your child localize to the correct sound source (to the direction the sound is coming from)?	Localizes correctly: 60% Searches for the sound: 26% Does not search: 13.9%	Localizes correctly: 78.7% Searches for the sound: 21.2%	Localizes correctly: 90% Searches for the sound: 10%
10. Does your child notice a difference or respond differently between someone talking vs. a common environmental sound (difference between mom talking and someone clapping their hands)?	Often: 66.6% Sometimes: 20% Rarely: 13.3%	Often: 93.9% Sometimes: 6% Rarely: 0%	Often: 96.6% Sometimes: 3.3% Rarely: 0%

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11. Does your child notice a difference or respond differently between different environmental sounds (for example: dog barking versus a telephone ringing)?	Often: 53.3% Sometimes: 26.6% Rarely: 20%	Often: 84.8% Sometimes: 12.1% Rarely: 3%	Often: 86.6% Sometimes: 16.6% Rarely: 0%
12. Does your child notice a difference or respond differently between a speaker using a soft voice (a whisper) and a speaker using a loud voice (above conversational range)?	Often: 53.3% Sometimes: 33.3% Rarely: 13.3%	Often: 81.8% Sometimes: 18.1% Rarely: 0%	Often: 90% Sometimes: 10% Rarely: 0%
13. Does your child notice the difference (discriminate) between a person singing (for example “Happy Birthday”) from a person having a conversation?	Often: 60% Sometimes: 26.6% Rarely: 13.3%	Often: 96.9% Sometimes: 3% Rarely: 0%	Often: 93.3% Sometimes: 6.6% Rarely: 0%
14. Does your child notice the difference between family members’ voices (for example: Dad’s voice vs. Mom’s voice vs. a sibling’s voice)?	Often: 66.6% Sometimes: 20% Rarely: 13.3%	Often: 100% Sometimes: 0% Rarely: 0%	Often: 100% Sometimes: 0% Rarely: 0%
15. Does your child notice the difference between minimal pair words (similar sounding words such as pat, bat, mat)?	Often: 0% Sometimes: 33.3% Rarely: 66.6%	Often: 51.5% Sometimes: 30.3% Rarely: 18.1%	Often: 76.6% Sometimes: 20% Rarely: 6.6%
16. Does your child notice the difference between similar sounding phrases and sentences (How old are you? vs. How are you?)	Often: 0% Sometimes: 13.3% Rarely: 86.7%	Often: 33.3% Sometimes: 33.3% Rarely: 0%	Often: 66.6% Sometimes: 30% Rarely: 6.6%
17. Does your child identify if the speaker is happy, angry, surprised by the change in vocal tones?	Often: 33.3% Sometimes: 40% Rarely: 26.6%	Often: 72.7% Sometimes: 24.2% Rarely: 3%	Often: 86.6% Sometimes: 13.3% Rarely: 0%
18. Does your child respond to his or her name when called?	Often: 36.6% Sometimes: 13.3% Rarely: 40%	Often: 78.7% Sometimes: 21.2% Rarely: 0%	Often: 96.6% Sometimes: 3.3% Rarely: 0%
19. Does your child identify an object or item with an associated sound (a train goes “choo choo”, a dog goes “woof woof”, a cat goes “meow”)?	Often: 0% Sometimes: 0% Rarely: 100%	Often: 63.6% Sometimes: 27.2% Rarely: 9%	Often: 96.6% Sometimes: 3.3% Rarely: 0%
20. Does your child identify one syllable words versus two syllable words versus three syllable words (ball vs. hotdog vs. computer)?	Often: 0% Sometimes: 13.3% Rarely: 86.7%	Often: 63.6% Sometimes: 9% Rarely: 27.2%	Often: 86.6% Sometimes: 13.3% Rarely: 3.3%
21. Does your child identify or recognize words used in the child’s natural environment (these words may vary with age and exposure)?	Often: 20% Sometimes: 26.6% Rarely: 53.3%	Often: 93.9% Sometimes: 3% Rarely: 3%	Often: 96.6% Sometimes: 3.3% Rarely: 0%

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22. Does your child identify the Ling Six Sounds (M, AH, OO, E, SH, S)?	Identifies all Six: 20% Identifies at least one: 27% Unable: 53%	Identifies all Six: 54.5% Identifies at least one: 45.4%	Identifies all Six: 83.3% Identifies all but SH: 6.6% Identifies all but S, SH: 9.9%
23. Does your child identify familiar songs (“Happy Birthday”, “Itsy Bitsy Spider”, “Old MacDonald”)?	Identifies 4 or more: 13.3% Identifies 1: 6% Unable: 80.7%	Identifies 4 or more: 69.6% Identifies 1: 18.1% Unable: 12.1%	Identifies 4 or more: 86.6% Identifies 1: 13.3%
24. Does your child understand frequently heard phrases or sentences (for example, “It’s time for bed” and “brush your teeth and get ready for bed”)?	Often: 6.6% Sometimes: 26.6% Rarely: 66.8%	Often: 87.8% Sometimes: 12.1% Rarely: 0%	Often: 93.3% Sometimes: 6.6% Rarely: 0%
25. Does your child follow one step directions (for example, “Get your shoes”)?	Can follow 10 or more: 6.6% Can follow 3 or more: 6.6% Unable: 86.8%	Can follow 10 or more: 36.3% Can follow 3 or more: 57.5% Unable: 6%	Can follow 10 or more: 90% Can follow 3 or more: 10%
26. Does your child follow two step directions (for example, “Get your shoes and open the door”)?	Can follow 10 or more: 6.6% Unable: 93.4%	Can follow 10 or more: 15.1% Can follow 3 or more: 30.3% Unable: 54.5%	Can follow 10 or more: 56.6% Can follow 3 or more: 43.3%
27. Does your child follow three step directions (for example, “Get your shoes, open the door, and walk outside”)?	Unable: 100%	Can follow 2 or more: 18.1% Unable: 81.8%	Can follow 7 or more: 43.4% Can follow 2 or more: 33.3% Unable to complete: 23.3%
28. Can your child repeat phrases/sentences that you say (for example: “I see the dog” or “The girl jumped over the fence to get the ball”)?	Unable: 100%	Remembers 7 or more: 6% Remembers 3 or more: 12.1% Unable: 81.8%	Remembers 7 or more: 63.3% Remembers 3 or more: 20% Unable: 16.6%
29. Does your child have an auditory memory for items that you say (for example: being able to remember the following objects: apple, boat, cup, and shoe would be 4 items)?	Remembers 3 or more: 13.3% Unable: 86.7%	Remembers 7 or more: 15.1% Remembers 3 or more: 15.1% Unable: 69.6%	Remembers 7 or more: 36.6% Remembers 3 or more: 43.3% Unable: 20%
30. Does your child auditorily sequence events from a story (for example: 1 st event- “Steve went to the store”, 2 nd event- “He bought dog bones”, 3 rd event- “Steve took the bones home to his dog”)?	Unable: 100%	Sequences 3 events: 9% Unable: 90%	Sequences 4 events: 33.3% Sequences 3 events: 33.3% Unable: 33.3%
31. Does your child understand the question forms what, where, who, why, when (for example: “What is that?” “Where is the dog?” “Who broke the cup?”) in phrases and sentences?	Unable: 100%	Understands 5 forms: 9% Understands 2 forms: 51.5% Unable: 39.3%	Understands 5 forms: 56.6% Understands 2 forms: 40% Unable: 6.6%
32. Does your child understand concepts in phrases and sentences (For example: in, under, between, in front, beside, above, below)?	Unable: 100%	Understands 7 or more: 12.1% Understands 2 or more: 51.5% Unable: 36.3%	Understands 7 or more: 60% Understands 2 or more: 40%

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33. Does your child understand the use of negatives in phrases and sentences (for example: no, not, no more, “We’re not going to Grandma’s house today”)?	Often: 13.3% Sometimes: 6.6% Rarely: 80.1%	Often: 33.3% Sometimes: 54.5% Rarely: 12.1%	Often: 83.3% Sometimes: 16.6% Rarely: 0%
34. Does your child obtain information incidentally through audition/hearing alone?	Often: 13.3% Sometimes: 13.3% Rarely: 73.4%	Often: 63.6% Sometimes: 30.3% Rarely: 6%	Often: 76.6% Sometimes: 26.6% Rarely: 0%
35. Through audition/hearing alone, does your child understand most of what is said?	Often: 0% Sometimes: 13.3% Rarely: 86.7%	Often: 63.6% Sometimes: 21.2% Rarely: 15.1%	Often: 86.6% Sometimes: 13.3% Rarely: 0%

Mean, standard deviation, and range of total scores for each section of the Auditory Skills Checklist by age:

Age		Detection			Discrimination			Identification			Comprehension		
	<i>n</i>	M	SD	R	M	SD	R	M	SD	R	M	SD	R
Birth – 1 year	27	11.73	5.05	3-16	7.73	3.43	0-12	3.73	3.47	0-10	1.06	1.43	0-5
1 – 2 years	29	14.69	1.51	12-16	11.87	1.89	8-14	11.36	2.75	6-14	10.30	4.67	3-20
2 – 3 years	30	14.80	1.60	11-16	12.93	1.45	8-14	13.29	1.07	10-14	18.83	4.64	8-24

Mean, standard deviation, and range of total scores for each section of the Auditory Skills Checklist by degree of hearing loss category (ages 26 – 33 months):

Degree Category		Detection			Discrimination			Identification			Comprehension		
	<i>n</i>	M	SD	R	M	SD	R	M	SD	R	M	SD	R
1: high freq	12	16.2	2.9	8-18	11.8	2.9	4-14	11.8	3.7	1-14	14.9	6.7	1-22
2: mild	32	15.9	3.1	5-18	11.2	3.3	1-14	11.9	3.2	4-14	13.8	5.2	2-24
3: mod	37	16.4	2.0	11-18	11.3	2.0	4-14	12.4	2.6	5-14	12.8	4.9	0-22
4: mod-sev	16	16.4	2.3	9-18	10.5	2.5	2-14	10.6	2.9	3-14	9.8	5.6	1-18
5: severe	11	10.4	7.3	4-18	5.2	5.0	0-14	5.8	5.5	0-14	3.6	4.8	0-13
6: sev-pro	5	8.2	7.6	0-18	3.8	4.5	0-10	4.8	5.4	0-13	4.2	4.4	0-10
7: profound	16	12.0	5.5	3-18	6.29	4.9	0-14	7.9	5.0	0-14	4.2	4.2	0-14

