

<p>The questions below all refer to the use of cochlear implant(s) in adults with bilateral sensorineural, moderate to profound hearing loss who demonstrate limited benefit from amplification. Definitions of terms included in these questions are:</p> <ul style="list-style-type: none"> • Limited benefit from amplification is defined by the correct test scores noted in the questions below, obtained with the best aided listening condition on tape or otherwise recorded tests of open-set sentence recognition. • Health outcomes include symptom status, functional abilities and health related quality of life. In your discussions please note if your conclusions apply only to specific outcomes or more broadly. <p>For the voting questions, use the following scale identifying level of confidence - with 1 being the lowest or no confidence and 5 representing a high level of confidence.</p>		Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
1	How confident are you that there is adequate evidence to determine whether or not a unilateral (i.e. first) cochlear implant improves health outcomes for adults with hearing loss who have demonstrated a test score of:																
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>																
a.	>40% and ≤50%	2	4	2	4	4	3	2	2	3	2	4	4	4	2.73	3.00	
b.	>50% and ≤60%	2	2	2	3	4	3	1	2	2	3	2	4	4	2.36	2.71	

Note: If the result of Question 1 is at least intermediate (mean vote ≥ 2.5) for either range of correct open set sentence recognition scores noted prior.		Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
2	<i>How confident are you that a unilateral (i.e. first) cochlear implant improves health outcomes for adults with hearing loss who have demonstrated a test score of :</i>																
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>																
	a. $>40\%$ and $\leq 50\%$ b. $>50\%$ and $\leq 60\%$ The mean score from question 1b. was less than 2.5 so their was no vote for this question.	2	3	1	4	4	4	2	2	4	4	2	4	5	4	2.91	3.21

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
3a.	How confident are you that there is adequate evidence to demonstrate whether or not the use of bilateral cochlear implants as compared to a unilateral cochlear implant improves health outcomes?															
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>															
	2	3	2	3	3	3	4	2	4	3	3	4	3	4	2.91	3.07

|

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
3b.	<i>If the result of Question 3a is at least intermediate (mean vote ≥ 2.5), how confident are you that the use of bilateral cochlear implants as compared to a unilateral cochlear implant improves health outcomes?</i>															
	<i>1 Low Confidence 2-3 Intermediate Confidence 4-5 High Confidence</i>															
	2	3	2	3	3	3	3	2	4	3	3	4	4	4	2.82	3.07

|

If the answer to question 3b is at least intermediate (mean vote ≥ 2.5), continue on to questions 4 through 9.		Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
4	<i>How confident are you that there is adequate evidence to determine whether or not a sequential bilateral cochlear implantation as compared to a unilateral cochlear implantation improves health outcomes for adults with hearing loss who have demonstrated a test score in the ranges below?</i>																
	<i>1 Low Confidence -4- 3 Intermediate Confidence -5 High Confidence</i>																
	a. $\leq 40\%$	1	1	2	4	3	2	3	1	2	2	2	3	3	3	2.09	2.27
	b. $> 40\%$ and $\leq 50\%$	1	2	1	4	1	1	2	1	1	2	1	2	2	3	1.55	1.64
c. $> 50\%$ and $\leq 60\%$	1	2	1	3	1	1	1	1	1	2	1	2	2	3	1.36	1.45	

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
5	<i>If the answer to question 4 is at least intermediate (mean vote ≥ 2.5) in any of the ranges noted, how confident are you that a simultaneous bilateral cochlear implantation improves health outcomes for adults with hearing loss who have demonstrated a test score in the ranges below?</i>															
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>															
	<i>a. $\leq 40\%$</i>															
	<i>b. $> 40\%$ and $\leq 50\%$</i>															
	<i>c. $> 50\%$ and $\leq 60\%$</i>															

The mean score from question 4a, b, and c was less than 2.5 so there was no vote for these questions.

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
6	How confident are you that there is adequate evidence to determine whether or not a simultaneous bilateral cochlear implantation as compared to a unilateral cochlear implantation improves health outcomes for adults with hearing loss who have demonstrated a test score in the ranges below?															
	1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence															
a. ≤ 40%	2	3	2	4	3	4	3	3	4	3	3	3	4	4	3.09	3.18
b. > 40 % and ≤ 50%	1	3	1	3	2	3	2	1	4	3	1	3	3	3	2.18	2.36
c. > 50% and ≤ 60%	1	2	1	2	1	1	1	1	1	2	1	2	2	2	1.27	1.36

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average	
8	How confident are you that there is adequate evidence to determine whether or not a simultaneous bilateral cochlear implantation as compared to a sequential cochlear implantation improves health outcomes for adults with hearing loss who have demonstrated a test score in the ranges below?																
	1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence																
	a. ≤ 40%	2	1	1	4	1	1	1	1	1	1	1	2	1	1	1.36	1.31
	b. > 40 % and ≤ 50%	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1.18	1.15
	c. > 50% and ≤ 60%	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1.18	1.15

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
9	<i>If the answer to question 8 is at least intermediate (mean vote ≥ 2.5) in any of the ranges noted, how confident are you that a simultaneous bilateral cochlear implantation as compared to a sequential cochlear implantation improves health outcomes for adults with hearing loss who have demonstrated a test score in the ranges below?</i>															
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>															
	<i>a. $\leq 40\%$</i>															
	<i>b. $> 40\%$ and $\leq 50\%$</i>															
	<i>c. $> 50\%$ and $\leq 60\%$</i>															

The mean score from question 8a, b, and c was less than 2.5 so their was no vote for these questions.

	Satya-Murti	Atkinson	Chen	Eng	Griffin	Hartman-Stein	Mushlin	Sacco	Schwartz	Scorza	Steinbrook	Raab	Niparko	Rao	Voting Member Average	Overall Average
11	<i>How confident are you that these conclusions are generalizable to:</i>															
	<i>1 Low Confidence -2- 3 Intermediate Confidence -4- 5 High Confidence</i>															
A. The Medicare patient population	2	4	2	5	4	5	3	4	4	3	4	4	5	5	3.64	3.86
B. Community based settings	1	3	4	5	1	4	3	2	1	3	3	4	4	4	2.73	3.00