

# Causes and therapeutic solutions in Presbycusis (age-related hearing loss)

The following questions inquire about the current belief of researchers, clinicians, and technologists in the field of hearing and deafness as to the primary pathology contributing to presbycusis (age-related hearing loss) as well as the therapeutic solutions.

You need to consider yourself a researcher/educator/clinician/research-clinician or technologist in the field of hearing and deafness over 18 years old to participate in this survey. By completing this questionnaire you are consenting to the use of your anonymous and de-identified data for the purposes of this survey. You are free to withdrawn at any point during the survey without any consequences.

For each question mark your answer by clicking on the option that best describes your opinion. Once you have completed the survey you will not be able to change your responses.

The ethical aspects of this study have been approved by the Macquarie University Human Research Ethics Committee. If you have any complaints or reservations about any ethical aspect of your participation in this research, you may contact the Committee through the Director, Research Ethics & Integrity (telephone (02) 9850 7854; email [ethics@mq.edu.au](mailto:ethics@mq.edu.au)). Any complaint you make will be treated in confidence and investigated, and you will be informed of the outcome.

---

\* Required

1. I'm 18 years old or above \*

*Mark only one oval.*

☐ Yes

2. Age \*

*Mark only one oval.*

- ☐ 18-24 years old
- ☐ 25-34 years old
- ☐ 35-44 years old
- ☐ 45-54 years old
- ☐ 55-64 years old
- ☐ 65-74 years old
- ☐ 75 years or older

3. Do you consider your current role (including as a trainee) to be: \*

*Mark only one oval.*

- ☐ Researcher
- ☐ Educator
- ☐ Clinician
- ☐ Research-Clinician
- ☐ Technologist

4. Region where your research/work is conducted \*

*Mark only one oval.*

- ☐ Africa
- ☐ Asia
- ☐ Europe
- ☐ Latin America and the Caribbean
- ☐ North America
- ☐ Oceania
- ☐ Australia

Henceforth please rate your answers from 1 ( least important contributing factor) to 4 (most important contributing factor). Each answer should be attributed a different value.

5. 1. In your opinion, what is the primary pathology contributing to presbycusis (age-related hearing loss)? \*

*Mark only one oval per row.*

	1	2	3	4
Damage to the inner hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the stria vascularis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the outer hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the spiral ganglion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. 2. In your opinion, what do you think other professionals in the field (inc. researchers, clinicians, technologists) consider to be the primary pathology contributing to presbycusis (age-related hearing loss)? \*

*Mark only one oval per row.*

	1	2	3	4
Damage to the inner hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the stria vascularis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the outer hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the spiral ganglion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

7. 3. Excluding pathology resulting from exposure to loud sounds ('noise damage'), what do YOU believe is the primary pathology contributing to presbycusis (age-related hearing loss)? \*

*Mark only one oval per row.*

	1	2	3	4
Damage to the inner hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the stria vascularis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the outer hair cells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Damage to the spiral ganglion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. 4. What measures best determine whether someone with presbycusis should be recommended hearing aids?

*Mark only one oval per row.*

	1	2	3	4
Audiogram	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Speech tests	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Questionnaire on self-assessed hearing ability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Questionnaire on lifestyle limitations from hearing ability	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Henceforth please rate your answers from 1 (least describes my opinion) to 4 (best describes my opinion). Each answer should be attributed a different value.

9. 5. To what extent do people who have hearing aids benefit from using them?

*Mark only one oval per row.*

	1	2	3	4
Almost always	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Half of the time	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Occasionally	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Almost never	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. 6. What do other professionals in the field (inc. researchers, clinicians, technologists) believe is the main reason that people with a clinically measurable hearing loss don't get hearing aids.

*Mark only one oval per row.*

	1	2	3	4
They are skeptical of hearing aid benefits	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
They cannot afford/have no access to hearing aids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
They have stigma towards wearing hearing aids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
They have no perceived need for hearing aids	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

11. 7. What do other professionals in the field (inc. researchers, clinicians, technologists) believe is the percentage of people with a clinically measurable hearing loss who need hearing aids?

*Mark only one oval per row.*

	1	2	3	4
25 %	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
50 %	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
75 %	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
100 %	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Thank you for your participation!

---

This content is neither created nor endorsed by Google.

Google Forms