

Best Evidence Summaries of Topics in Mental Healthcare

BEST in MH *clinical question-answering service*

Question

For people with intellectual disability who are deaf or hard-of-hearing, how beneficial are cochlear implants compared with no implant, on mental health and wellbeing, quality of life and behaviour?

Clarification of question using *PICO* structure

Patients: People with intellectual disability who are deaf or hard-of-hearing
Intervention: Cochlear implants
Comparator: No implant
Outcome: Mental health and wellbeing, quality of life and behaviour

Clinical and research implications

No relevant systematic reviews or randomised controlled trials could be found for this question.

What does the evidence say?

Number of included studies/reviews (number of participants)

N/A

Main findings

N/A

Authors conclusions

N/A

Reliability of conclusions/Strength of evidence

N/A

What do guidelines say?

Neither National Institute for Health and Care Excellence (NICE) nor Scottish Intercollegiate Guidelines Network (SIGN) guidelines comment on...

Date question received: 22/09/15

Date searches conducted: 28/09/15

Date answer completed: 06/10/15

Search details

Source	Search Strategy	Number of hits	Relevant evidence identified
Guidelines			
NICE	Cochlear implant, disability	2	0
Systematic Reviews and Primary Studies			
MEDLINE	<ol style="list-style-type: none"> 1 exp Learning Disorders/ or exp Intellectual Disability/ or exp Mentally Disabled Persons/ or exp Mental Disorders/ (1052722) 2 exp Developmental Disabilities/ or exp Fragile X Syndrome/ or exp Rett Syndrome/ or exp Down Syndrome/ or exp Autistic Disorder/ (59814) 3 exp Angelman Syndrome/ or exp Cerebral Palsy/ or exp Tuberous Sclerosis/ (22604) 4 (learning adj1 (disab\$ or difficult\$ or problem\$ or disorder\$ or handicap\$)).tw. (11291) 5 (mental\$ adj1 (retard\$ or disab\$ or deficien\$ or handicap\$ or incapacity or disorder\$)).tw. (62992) 6 (intellect\$ adj1 (disab\$ or impair\$ or handicap\$)).tw. (10094) 7 cognitive impairment.tw. (33705) 8 (cognitive impairment or (development\$ adj1 disab\$) or (multipl\$ adj1 handicap\$) or fragile x syndrome or Rett\$ syndrome).tw. (44559) 9 (Lennox Gastaut syndrome or Down\$ syndrome or tuberous sclerosis or (autism or autistic) or Angelman\$ syndrome or West\$ syndrome or cerebral palsy).tw. (71494) 10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (1121711) 11 exp hearing disorders/ or exp hearing loss/ or exp deafness/ or exp hyperacusis/ or exp tinnitus/ (73814) 12 (deaf* or hearing loss or hard of hearing or hard-of-hearing or anacusis or hearing impair* or hearing disorder* or tinnitus or (hearing adj3 damage) or (damage adj3 hearing)).tw. (72106) 13 11 or 12 (99385) 14 exp Cochlear Implants/ (7441) 15 cochlear implant*.tw. (10132) 16 14 or 15 (11443) 17 10 and 13 and 16 (206) 18 limit 17 to yr="2000 -Current" (187) 	187	0

EMBASE	<p>1 exp Learning Disorders/ or exp Intellectual Disability/ or exp Mentally Disabled Persons/ or exp Mental Disorders/ (1708321)</p> <p>2 exp Developmental Disabilities/ or exp Fragile X Syndrome/ or exp Rett Syndrome/ or exp Down Syndrome/ or exp Autistic Disorder/ (100019)</p> <p>3 exp Angelman Syndrome/ or exp Cerebral Palsy/ or exp Tuberos Sclerosis/ (38812)</p> <p>4 (learning adj1 (disab\$ or difficult\$ or problem\$ or disorder\$ or handicap\$)).tw. (14838)</p> <p>5 (mental\$ adj1 (retard\$ or disab\$ or deficien\$ or handicap\$ or incapacity or disorder\$)).tw. (79356)</p> <p>6 (intellect\$ adj1 (disab\$ or impair\$ or handicap\$)).tw. (13683)</p> <p>7 cognitive impairment.tw. (49893)</p> <p>8 (cognitive impairment or (development\$ adj1 disab\$) or (multipl\$ adj1 handicap\$) or fragile x syndrome or Rett\$ syndrome).tw. (63052)</p> <p>9 (Lennox Gastaut syndrome or Down\$ syndrome or tuberous sclerosis or (autism or autistic) or Angelman\$ syndrome or West\$ syndrome or cerebral palsy).tw. (91219)</p> <p>10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (1781883)</p> <p>11 exp hearing disorders/ or exp hearing loss/ or exp deafness/ or exp hyperacusis/ or exp tinnitus/ (107234)</p> <p>12 (deaf* or hearing loss or hard of hearing or hard-of-hearing or anacusis or hearing impair* or hearing disorder* or tinnitus or (hearing adj3 damage) or (damage adj3 hearing)).tw. (84405)</p> <p>13 11 or 12 (135746)</p> <p>14 exp Cochlear Implants/ (10973)</p> <p>15 cochlear implant*.tw. (11163)</p> <p>16 14 or 15 (13281)</p> <p>17 10 and 13 and 16 (473)</p> <p>18 limit 17 to yr="2000 -Current" (436)</p>		0
PsycINFO/CINAHL	<p>1 exp Learning Disorders/ or exp Intellectual Disability/ or exp Mentally Disabled Persons/ or exp Mental Disorders/ (508834)</p> <p>2 exp Developmental Disabilities/ or exp Fragile X Syndrome/ or exp Rett Syndrome/ or exp Down Syndrome/ or exp Autistic Disorder/ (19217)</p> <p>3 exp Angelman Syndrome/ or exp Cerebral Palsy/ or exp Tuberos Sclerosis/ (4014)</p> <p>4 (learning adj1 (disab\$ or difficult\$ or problem\$ or disorder\$ or handicap\$)).tw. (28965)</p> <p>5 (mental\$ adj1 (retard\$ or disab\$ or deficien\$ or handicap\$ or incapacity or disorder\$)).tw. (97317)</p> <p>6 (intellect\$ adj1 (disab\$ or impair\$ or handicap\$)).tw. (11996)</p>	43	0

	<p>7 cognitive impairment.tw. (22767)</p> <p>8 (cognitive impairment or (development\$ adj1 disab\$) or (multipl\$ adj1 handicap\$) or fragile x syndrome or Rett\$ syndrome).tw. (34629)</p> <p>9 (Lennox Gastaut syndrome or Down\$ syndrome or tuberous sclerosis or (autism or autistic) or Angelman\$ syndrome or West\$ syndrome or cerebral palsy).tw. (47896)</p> <p>10 1 or 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 (607339)</p> <p>11 exp hearing disorders/ or exp hearing loss/ or exp deafness/ or exp hyperacusis/ or exp tinnitus/ (16124)</p> <p>12 (deaf* or hearing loss or hard of hearing or hard-of-hearing or anacusis or hearing impair* or hearing disorder* or tinnitus or (hearing adj3 damage) or (damage adj3 hearing)).tw. (25089)</p> <p>13 11 or 12 (26221)</p> <p>14 exp Cochlear Implants/ (1966)</p> <p>15 cochlear implant*.tw. (2434)</p> <p>16 14 or 15 (2492)</p> <p>17 10 and 13 and 16 (44)</p> <p>18 limit 17 to yr="2000 -Current" (43)</p>		
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