UQ SCHOOL HEARING SCREENING PACKAGE

Joshua Flett
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The UQHRC Audiology Clinic

The UQHRC Audiology Clinic delivers a comprehensive diagnostic and rehabilitative audiological service for infants through to adults. This comprehensive service is conducted by professional and friendly staff; committed to providing the very best in hearing assessment and audiological services.

A full range of paediatric assessments is available for the hearing assessment of infants through to teenagers; including *Central Auditory Processing tests*. Diagnostic adult hearing assessment is also available; supported by extensive and up-to-date rehabilitative services (*hearing aids, FM systems and communication programs*) for those with hearing difficulties. Our school based hearing screening service is also available in the first and second semesters of each year.

The clinic provides an educational platform for UQ audiology students. Students work under the guidance of qualified audiologists and are continually supervised to ensure hearing assessment and audiological services of the highest quality are delivered.

The clinic operates throughout the year with closure only over the Christmas holiday period. No referral is necessary, however an open referral system does apply with referrals accepted from medical practitioners, speech pathologists, teachers, guidance officers, and parents.

**For enquiries or bookings, check our website at [www.health-clinics.uq.edu.au](http://www.health-clinics.uq.edu.au)**

**or contact the clinic administration staff:** 3365 2232 or healthclinics@uq.edu.au
School Hearing Screening Service Information

It is known that hearing difficulties may have a significant effect on a child’s ability to learn. Children with a hearing loss may experience speech and language delays, educational difficulties, behavioral problems and often require increased educational support.

The UQHRC- Audiology Clinic has designed a hearing screening program that can be delivered across the educational lifespan. By implementing this program in schools we aim to increase awareness of normal hearing function and hearing impairment across the wider community including parents, teachers and other school staff.

This program is designed to initially identify a child’s basic hearing sensitivity and middle ear status. The aim of the program is to detect those children who may have difficulty hearing in the classroom environment so that further action can be taken to make learning easier for that child.

Early intervention can have a significant impact on a child’s overall speech and language development and educational outcomes. Research has shown that early detection and intervention can influence a child’s speech sound development, expressive and receptive language development and even their literary skills such as reading comprehension.

The disciplines of the School of Health and Rehabilitation Sciences- Audiology, Physiotherapy, Occupational Therapy and Speech Pathology place a strong focus on the early identification, prevention and treatment of hearing, speech, sensory and motor difficulties across the lifespan. This philosophy is integrated in clinical practice though our internal clinics and shared with the wider community through programs such as this.

The screening program is conducted at the school and during school hours. It is generally offered by schools to prep and early primary school children. However, on request older children’s hearing may be assessed and should be considered especially if a child has learning support needs. Children 3 years and under usually require special testing procedures and are not usually tested within a school setting, individual appointments can be arranged at the St. Lucia based clinic.
The Hearing Screen Program consists of the following:

1. Pure tone audiometry screening under headphones to assess sensitivity levels for both ears across a frequency range important for speech and language development (0.5-4kHz).

2. Screening tympanometry, which is an objective assessment of middle ear function. This test will allow us to generally detect any middle ear problems such as middle ear infections or ‘glue ear’ or Eustachian tube dysfunction.

3. The results will be collated and a summary of the results will be sent home with the child in the form of a booklet. Further recommendations will be made according to the results obtained. These recommendations could include: further testing at the University or similar clinic or a referral to a General Practitioner for medical intervention.

4. A copy of the student results and relevant recommendations may be provided to the school upon request (if parental permission has been obtained).

The clinic is a teaching and learning clinic so the tests will usually be performed by Master of Audiology students supervised by a qualified Audiologist.

With one qualified audiologist and two teams of students, the program enables us to assess up to a maximum of 50 students per day. Requests for additional children to be screened may be made and will be considered on an individual basis, these requests would incur an increase in cost to the school. It may be possible to assess more children per day with the addition of further qualified audiologists at an increased cost.

Please refer to the costing section of this booklet for further information regarding the cost of the hearing screening service.
What do we need to maximize the success of the service in your School?

In order to run an effective hearing screening service there are some requirements that need to be met by your school:

1. Please nominate an elected person/s (such as a Learning Support Teacher) to assist us in coordinating the hearing screening service.

2. We will need a room for testing that is large enough to accommodate 2 testing stations spaced apart (at least 4-5 meters apart) and that is far from any noisy areas within the school. This is essential for accurate testing. For the testing stations we will need 2 desks near power points for the equipment and approximately 10 chairs. If your school has requested additional testing which will require an extra qualified audiologist to attend we will require two rooms with the equipment outlined above.

3. Due to the need for a quiet environment for the screening we will not conduct screenings during school recesses.

4. Please look at the list of test dates available (pg 16.) Contact the UQHRC Administration staff and provide your 3 preferred dates as soon as possible. To ensure a fair service is offered to all schools, bookings will be taken on a first come first served basis.

5. Please read the ‘Cost of Service’ section and the principal of the school must return a signed copy of the service agreement giving their permission before the screening day/s commence. A booking will not be fully confirmed until a copy of the signed service agreement is returned to the UQHRC Administration Staff.

6. A few weeks before testing date the school appointed coordinator will need to ensure each nominated child takes home a copy of the attached parent letter, questionnaire and UQ consent form to be completed and returned before the testing day/s. A child cannot be assessed without a returned signed UQ consent form. It is best if the questionnaire and UQ consent form are printed double sided. Please do not attach school receipts to the consent forms.

7. Upon receipt of the signed consent forms the school coordinator will need to allocate the students into the maximum of 50 slots provided for the day. Please see attached table (pg. 17).
8. If an additional qualified audiologist has been requested than a *maximum* of 100 slots will be provided for the day.

9. One week before the test date, please provide the clinic with an approximate number of students to be assessed and a map detailing parking and a place to meet the school coordinator at approximately 8:30 in the morning to setup before commencing screening at 9:00am. These times may be altered as necessary.

10. *Please arrange for a school representative/s (teacher aide, school captains etc...) to collect children from their classrooms to facilitate efficiency of testing.*

11. Please provide the consent forms and questionnaires to the qualified audiologist before commencement of testing. *Please ensure a copy of the running sheet is available for each station on the day.*

12. It is also useful if the school can provide some books or quiet games for the children to read/play with while they wait for their assessment.

13. Please note that this program provides a *screening assessment only* and does not replace a comprehensive diagnostic assessment if this is required. It is the parents/guardians’ responsibility to follow up on any recommendations made.

14. On completion of the test day/s, the school will be invoiced for the full amount.

15. *Please ensure you are able meet all these requirements before booking a hearing screening clinic at your
Letter to Parents

Dear Parent/Guardian,

Your school is introducing a Hearing Screening Program, a service conducted by the University of Queensland Health and Rehabilitation Clinics (UQHRC)-Audiology Clinic to school aged children.

Research indicates that hearing difficulties may have a significant effect on a child’s ability to learn. Children with a hearing loss may experience speech and language delays, educational difficulties, behavioural problems and often require increased educational support. A child’s hearing may also change over time so it is important to monitor a child’s hearing even if they have passed a previous hearing test.

This is an excellent opportunity for your child to have his/her hearing screened.

The testing will consist of the following:

- Screening hearing test for both ears under headphones.
- Screening of the function of the middle ear for both ears.
- Recommendation/s based on results obtained.

Testing takes approximately 10-15 minutes per child and will be adapted according to the child’s age and responses.

The testing will usually be performed by Master of Audiology students under the direct supervision of a qualified and experienced Audiologist.

A summary of the results will be sent home with the child in the form of a booklet. Recommendations could include: further testing at the University or similar clinic or a referral to a General Practitioner for medical intervention.

Please return the attached questionnaire and signed consent forms to the school before _______________. The consent form also contains a section about giving consent for the school to have a copy of your child’s results. If you are happy for the school to have a copy of the results please ensure that you have indicated this clearly on the consent form. You may find that providing the school with a copy of the results may be beneficial for your child’s education.

Contact details for the UQHRC-Audiology Clinic can be found on the results booklet should you have any questions about your child’s results.

Joshua Flett

UQHRC- Audiology Clinical Manager
Questionnaire for Parents

1. Do you have any concerns regarding your child’s hearing? YES / NO
   *If yes please provide details:

2. Has your child had a history of ear infections? YES / NO
   *If yes please provide details:

3. Has your child had any ear surgery? YES/ NO; or seen an Ear, Nose and Throat Specialist previously? YES / NO
   *If yes please provide details:

4. Has your child’s hearing been tested before? YES/ NO; Was a hearing loss diagnosed? YES / NO
   *If yes please provide details:

5. Does your child have any developmental delays or conditions you are concerned about that may affect the testing? YES / NO
   *If yes please provide details:
My signature (in the designated location below) indicates that I fully understand and agree to the following conditions:

- I hereby grant the UQ Health and Rehabilitation Clinics permission to render appropriate assessment and/or therapy services to my child/ward.
- I understand that services rendered in the UQ Health and Rehabilitation Clinics are provided by students in the School of Health and Rehabilitation Sciences under the supervision of qualified Clinical Educators and/or Academic staff.
- I understand that as students are undertaking clinical placements in the UQ Health and Rehabilitation Clinics it may be necessary for my clinic file and the information contained therein to be handed over from one student to another within the same therapy clinic to ensure continuity of care.
- I understand that staff and students providing services are required to adhere to conditions of strict confidentiality, in consideration of professional ethical standards and the Australian National Privacy Principles.
- I understand that this program provides a screening assessment only and does not replace a comprehensive diagnostic assessment if this is required. I understand that it is the parents/guardians’ responsibility to follow up on any recommendations made.

Privacy Statement:
The information on this form is collected for the purpose of your child/ward’s participation in a health screening program. The information you provide will remain confidential and will not be disclosed to a third party without your consent unless disclosure is authorised or required by law. For information on how UQ manages personal information, please consult the UQ Privacy Management Policy which is located at:
http://ppl.app.uq.edu.au/content/1.60.02-privacy-management

Content to Disclose:

PARENTS/GUARDIANS PLEASE READ THIS SECTION CAREFULLY:

Mark this box if you authorise UQ to disclose a copy of the results of your child/ward’s screening assessment to your school /relevant education department. The disclosure of the results may be beneficial to your child/ward’s education.

I understand that the UQ Health and Rehabilitation Clinics have an attendance policy whereby clients may be asked to pay if they do not attend a scheduled appointment.

Parent/Guardian Signature: ________________________________

Witness: (Print name and sign) ________________________________

Date: ________________________________
12 January 2015

To Whom It May Concern,

This is to confirm that students of The University of Queensland that have approval to undertake research, course required placements, work experience or other unpaid activities are covered by the following insurance policies:

- **Public Liability**
  The University holds General and Products Liability Protection with Unimutual Limited, which has a limit of liability of $20,000,000 per occurrence. This cover is subject to Unimutual's rules, the certificate of entry and to the terms and conditions of the Protection wording and extends to include any student of the University whilst they are engaged in authorized University activities, including placements or course required work experience, provided that the student is not employed by the placement entity for any of the work being done and the placement has been approved by the University.

- **Student Personal Accident**
  The University also holds Personal Accident Insurance through ACE Insurance Limited, which covers currently enrolled students while they are engaged in authorized University activities including course required work experience, field activities and excursions and direct travel to and from such activities. The policy only provides cover within Australia. It provides a death and capital benefits cover with varying limits up to $1,000,000.

The University's policies apply irrespective of whether the activities are conducted on a University site or elsewhere provided the activities are officially sanctioned.

Any incident that may result in a claim should be notified directly to the Insurance Office - insurance@uq.edu.au or phone 07 3365 3075.

Yours sincerely

[Signature]

Sonja Martic
Financial Services Manager
Finance and Business Services
The University of Queensland
Cost of Service

The University of Queensland Audiology clinic provides audiological services at a low competitive rate to cover costs. Our focus is on providing a high level of service and educating and training the next generation of Audiologists.

The following two pages contain quotations for our hearing screening program. They provide details of the operating costs and vary depending on the number of children that are to be assessed.

The minimum daily cost is for a maximum of 50 students per day. Variation of fee applies only to an increase in student allocation, a school will still be charged at the minimum daily rate for reduced student numbers.

Your school may however request additional testing (up to a maximum of another 50 students per day) with the addition of another qualified audiologist. This however will incur another additional minimum daily charge and must be organised in advance - a copy of a quotation for 100 children is also included below if required. To arrange a quote for extra students please contact us to discuss this further.

In order to complete a booking you must return a signed copy of the service agreement (service agreements were sent with this package). Relevant sections for the school to fill in have been highlighted in red and bold (pg. 1, 10, 12). An authorized representative (eg. Principal/Assistant Principal) must also sign the last page of the service agreement. This must also be witnessed by another school representative (eg. Learning Support Teacher).

On completion of the testing, the school will be invoiced for the agreed amount. The school will be invoiced by the University of Queensland on behalf of the UQ Health and Rehabilitation Clinics.

Individual student payments for school based hearing screening will not be accepted by UQHRC or The University of Queensland.

If your school and students would benefit from undertaking a school based hearing screening program please contact us, as we would love the opportunity to work with your school.

Please note a signed copy of the service agreement must be returned to ensure that your booking is confirmed and finalized.
Hearing Screening Audiology Services – For 50 Children or less

The UQ Health and Rehabilitation Clinics offers audiological and consultancy services in the area of Hearing Screening Audiology for children. The Audiology Services are staffed by experienced and fully qualified Audiologists. These Services integrate students undertaking their clinical practicum (required to gain Professional Registration) into service delivery activities. The extent of student involvement is determined by the nature of each referral.

<table>
<thead>
<tr>
<th>Services – Assessments</th>
<th>Cost¹</th>
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<tbody>
<tr>
<td><strong>School Hearing Screening Program</strong></td>
<td><strong>$825 for 50 children or less per day. (No GST applies)</strong></td>
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<td><em>(includes a qualified audiologist’s time, equipment costs &amp; travel expenses.)</em></td>
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<tr>
<td>The audiometry program will provide the following:</td>
<td>Minimum Total daily cost (based on 50 children or less per day) = $825.00</td>
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<tr>
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<tr>
<td>• Pure tone screening audiometry under headphones only for 0.5-4kHz</td>
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<tr>
<td>• Screening tympanometry (an objective assessment of middle ear function to help determine the presence of middle ear dysfunction)</td>
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<tr>
<td>• Recommendations based on the screening results for further action (this will come from the qualified Audiologist)</td>
<td></td>
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<tr>
<td>• Results documented and result booklets given to the parents. School may also get a copy of the results if requested but parental permission must be obtained first.</td>
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</table>

Please contact the Clinic Administration Unit on 3365 2232 or healthclinics@uq.edu.au for further information.

¹ The prices quoted relate to the Clinical Educator (i.e. clinically certified practitioner audiologist) time spent supervising and approving the work of students and completing more complex clinical tasks.
Hearing Screening Audiology Services- For 100 Children or less (50-100)

The UQ Health and Rehabilitation Clinics offers audiological and consultancy services in the area of **Hearing Screening Audiology for children**. The Audiology Services are staffed by experienced and fully qualified Audiologists. These Services integrate students undertaking their clinical practicum (required to gain Professional Registration) into service delivery activities. The extent of student involvement is determined by the nature of each referral.

### Services – Assessments

<table>
<thead>
<tr>
<th>School Hearing Screening Program</th>
<th>Cost²</th>
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<tr>
<td>The audiometry program will provide the following:</td>
<td>$1650 for 100 children or less per day (or 100 children or less over 2 days). (No GST applies)</td>
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<tr>
<td>✳ Pure tone screening audiometry under headphones only for 0.5-4kHz</td>
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<tr>
<td>✳ Screening tympanometry (an objective assessment of middle ear function to help determine the presence of middle ear dysfunction)</td>
<td></td>
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<tr>
<td>✳ Recommendations based on the screening results for further action (this will come from the qualified Audiologist)</td>
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<tr>
<td>✳ Results documented and result booklets given to the parents. School may also get a copy of the results if requested but parental permission must be obtained first.</td>
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</table>

² The prices quoted relate to the Clinical Educator/s (i.e. clinically certified practitioner audiologist) time spent supervising and approving the work of students and completing more complex clinical tasks.

Please contact the Clinic Administration Unit on 3365 2232 or healthclinics@uq.edu.au for further information.
Dates Available

Please nominate your school’s preferred three dates by indicating with the numbers 1, 2, 3. UQHRC will endeavour to provide one of your preferred dates and contact you should they not be available.

Name of school: ..............................................................

Please indicate (tick) which screening package your school would like:

- Screen up to 50 children $825.00 (GST free)
- Screen up to 100 children $1650.00 (GST free)

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<thead>
<tr>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
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Bookings fill quickly so please book as early as possible as places are limited. Your booking will not be confirmed until UQHRC contact you with an available date and the UQ Service Agreement is returned completed and signed.

Alternative dates may be able to be arranged but please contact us to discuss further on healthclinics@uq.edu.au.
## Student Bookings Table

<table>
<thead>
<tr>
<th>Consent Form</th>
<th>Screening Station 1:</th>
<th>Screening Station 2:</th>
<th>Classroom:</th>
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<tbody>
<tr>
<td>Yes/Other</td>
<td>Names:</td>
<td>Names:</td>
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Contact Details

For more information about the hearing screening program please contact the audiology clinic:

The University of Queensland Health and Rehabilitation Clinics (UQHRC): Clinic Administration Unit

healthclinics@uq.edu.au
Ph: 3365 2232

The University of Queensland Health and Rehabilitation Clinics (UQHRC):
Audiology Clinic
School of Health & Rehabilitation Sciences
Therapies Building (84A), Services Rd
St Lucia, QLD, 4072
Results Booklet for Parents/Schools

The following section contains an abbreviated example copy of the result booklet that the child will take home to the parents/guardians.
The UQHR-Audiology Clinic delivers a comprehensive diagnostic and rehabilitative audiological service for infants through to adults. This comprehensive service is conducted by professional and friendly staff; committed to providing the very best in hearing assessment and audiological services.

A full range of paediatric assessments is available for the hearing assessment of infants through to teenagers; including *Central Auditory Processing* tests. Diagnostic adult hearing assessment is also available; supported by extensive and up-to-date rehabilitative services (*hearing aids, FM systems and communication programs*) for those with hearing difficulties.

The clinic provides an educational platform for UQ audiology students. Students work under the guidance of qualified audiologists and are continually supervised to ensure hearing assessment and audiological services of the highest quality are delivered.

The clinic operates throughout the year with closure only over the Christmas holiday period. No referral is necessary, however an open referral system does apply with referrals accepted from medical practitioners, speech pathologists, teachers, guidance officers, and parents. To make enquiries or bookings regarding hearing assessments and audiological services, contact the clinic reception at healthclinics@uq.edu.au or 3365 2232.
UQHR-Audiology Clinic School Hearing Screening

**PURITY TONE AUDIOMETRY**

- **Frequency (Hz):**
  - 250
  - 500
  - 1000
  - 2000
  - 4000
  - 8000

- **Hearing Level in Decibels (L.S.O. Standard):**
  - 0
  - 10
  - 20
  - 30
  - 40
  - 50
  - 60
  - 70
  - 80
  - 90
  - 100
  - 110

  *Screened down to 20dB HL*

**IMMITTANCE AUDIOMETRY**

<table>
<thead>
<tr>
<th>Measure</th>
<th>Right</th>
<th>Left</th>
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</thead>
<tbody>
<tr>
<td>Ear Canal Volume (ml)</td>
<td>0.68</td>
<td>0.78</td>
</tr>
<tr>
<td>Tymp Peak Pressure (daPa)</td>
<td>-5</td>
<td>-20</td>
</tr>
<tr>
<td>Static Admittance (ml)</td>
<td>0.3</td>
<td>0.32</td>
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<tr>
<td>Type</td>
<td>A</td>
<td>A</td>
</tr>
</tbody>
</table>

**RESULTS:**

**Otoscopy:**

- **Right:**
  - Clear for Testing
  - Significant Wax
  - Grommet
  - Other: _______________________

- **Left:**
  - Clear for Testing
  - Significant Wax
  - Grommet
  - Other: _______________________

**Tympanometry:**

- **Right:**
  - Normal (Type A)
  - Increased Eardrum Movement (Ad)
  - Decreased Eardrum Movement (As)
  - Eustachian Tube Dysfunction (Type C1-mild)
  - Middle Ear Dysfunction (Type B)
  - Eustachian Tube Dysfunction (Type C2-significant)
  - Other: _______________________

- **Left:**
  - Normal (Type A)
  - Increased Eardrum Movement (Ad)
  - Decreased Eardrum Movement (As)
  - Eustachian Tube Dysfunction (Type C1-mild)
  - Middle Ear Dysfunction (Type B)
  - Eustachian Tube Dysfunction (Type C2-significant)
  - Other: _______________________

**Hearing Screen (PTA):**

- **Right:**
  - Pass
  - Fail
  - Unreliable Responses
  - Unable to Condition for Testing

- **Left:**
  - Pass
  - Fail
  - Unreliable Responses
  - Unable to Condition for Testing

**RECOMMENDATIONS:**

- ✔️ No further action
- ✔️ Please see GP/ENT for _______________________
- ✔️ Reassess hearing in 6-8 weeks following medical management
- ✔️ Reassess hearing in a pediatric diagnostic audiology clinic

**COMMENTS:** _______________________