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in Disability

**6th Public Health Planning for Hearing
Impairment Online Course 2020**
Islamabad Pakistan



6th Public Health Planning for Hearing Impairment 2020

Online Course, Islamabad Pakistan

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Message from Executive Director

I am pleased to present the Report on 6th Public Health Planning for Hearing Impairment (PHPHI) 2020 course conducted online by Pakistan Institute of Rehabilitation Sciences (PIRS) in collaboration with London School of Hygiene and Tropical Medicine (LSHTM).

Pakistan Institute of Rehabilitation Sciences recognises the importance of public health in combating hearing impairment and rehabilitation. Planning is an integral part of public health and with the changing world where there is more emphasis on curative than prevention, lack of awareness about hearing impairment, it is the call of the hour to look at the hearing impairment from the public health planning perspective.

2020 was the year when the world witnessed the worst Covid-19 pandemic of human history. Apart from its devastating impact on the world, Covid-19 pandemic has showed us new ways of continuing with educational activities. Online is the new normal! It was decided to conduct PHPHI 2020 course online and it remained a great success in terms of participation and involvement of speakers from London, Manchester, Wales, WHO Geneva, Sydney/Australia, and Tenerife/Spain. Participants also joined online from Rawalpindi, Islamabad, Mardan, Lahore, Kashmir, Kohat, Multan and Bahawalnagar.

This Report highlights various aspects of PHPHI courses including background of the previous courses, online course conduction, presentations, discussion sessions, learning outcomes, reading materials and projects development during the course.

Pakistan Institute of Rehabilitation Sciences is especially grateful to CHEF International, CBM International, London School of Hygiene and Tropical Medicine, World Health Organization, and all participants for their contributions.

Maj Gen (R) Farrukh Seir

Executive Director

Pakistan Institute of Rehabilitation Sciences

Executive Summary

The growing number of hearing impairment due to changing lifestyle (loud music, headphones, cellular phones), mal-practices, noise pollution, lack of primary ear care, lack of awareness on ear and hearing care, more emphasis on curative than preventive measures etc. It is eminent to look at the hearing impairment from the public health perspective.

It was/is also observed that most clinicians and allied clinical workers are not trained in public health approaches specially planning according to the country/area specific needs for hearing impairment.

CBM international planned annual courses in public health planning for hearing impairment. Prof. Andrew Smith from London School of Hygiene and Tropical Medicine (LSHTM) was assigned to conduct a 5-day annual course in Islamabad – Pakistan. 6 courses PHPHI courses have been conducted from 2015 – 2020. These courses are attended by participants including faculty from PIRS, audiology students, WHO country office Pakistan representatives, representatives from ministry of health, regulations and coordination, public/private medical universities, public health departments in universities/institutions, representatives from special education department, CHEF international, NGO sector, ENT/Audiology departments and armed forces institutions. PHPHI Course not only introduced participants to the new dimensions in public health but also provided them a platform where they can share their own experiences from their respective workplaces/districts etc.

Several renowned speakers from Pakistan shared their experiences in PHPHI courses. Speakers included Prof. Mohammad Daud Khan, Dr. Saania Nishter, Dr. Maryam Malik, Sohail Ayaz Khan, Dr. Shehzad Ali Khan, Prof. Anjum Khawar, Prof. Azeem Aslam and Dr. Haroon Awan. Speakers from around the globe remained part of PHPHI courses, including Dr Shelly Chadha, Ms Sian Tesni, Dr Diego Santana, Dr Tess Bright, Dr John Newal and Dr Ian Mackenzie.

Prof. Andrew Smith, key facilitator of the course covers major dimensions of public health in this 5-day course including global magnitude of hearing loss, principles of programme planning, situation analysis, primary ear and hearing care, global programmes, health systems, study designs, survey methodology, principles of screening, monitoring and evaluation, barriers to uptake/use of hearing aids and creating awareness.

6th PHPHI course remained unique as it was the first course conducted online for 5 days due to the institutional closure in the wake of covid-19 pandemic. The online course was well received and attended by participants from places other than Islamabad-Rawalpindi. Pre-recorded presentations, videos, discussions, and live presentations via zoom were the main features of the 6th PHPHI online course.

Part 1

Background of PHPHI courses from 2015 - 2019

The growing number of hearing impairment due to changing lifestyle (loud music, headphones, cellular phones), mal-practices, noise pollution, lack of primary ear care, lack of awareness on ear and hearing care, more emphasis on curative than preventive measures etc. it is eminent to look at the hearing impairment from the public health perspective. Evidence based information from the community is a basis for public health.

It was/is also observed that most clinicians and allied clinical workers are not trained in public health approaches specially planning according to the country/area specific needs for hearing impairment.

CBM international planned annual courses in public health planning for hearing impairment in Pakistan in 2010. Prof. Andrew Smith from London School of Hygiene and Tropical Medicine (LSHTM) was assigned to conduct a 5-day annual course in Islamabad – Pakistan.

In 2010, a national consultation meeting was held, attended by representatives of ministry of health, PIRS, CHEF, LSHTM and others. This consultation resulted in the formulation of strategies for a five-year Audio 2020 Pakistan plan on hearing care. However, this could not be implemented for the lack of a national structure to implement the plan and devolution of social sectors, including health to the provinces in 2011.

First PHPHI course was conducted in Islamabad in 2015, attended by students of first Audiology course (started 2013), WHO country office Pakistan, representatives from department of special education, special education school for hearing impaired, partner NGOs etc. At the end of the course, recommendations for “Sustainable ear and hearing care policy” were formulated.

Since then, five courses PHPHI courses have been conducted from 2015 – 2019. These courses are attended by many participants including faculty from PIRS, audiology students, WHO country office Pakistan representatives, representatives from ministry of health, regulations and coordination, public/private medical universities, public health departments in universities/institutions, representatives from special education department, CHEF international, NGO sector, ENT/Audiology departments and armed forces institutions.

Several renowned speakers also shared their work in these workshops. Speakers included Prof. Mohammad Daud Khan (former national coordinator of the most successful prevention of blindness programme Pakistan, Ex-Vice Chancellor of Khyber Medical University and chairman CHEF international), Dr. Saania Nishter (CEO Hearfiles, writer of “Choked Pipes” and health systems expert/researcher/public health policy expert, currently special assistant to the prime minister and chairperson of EHSAS programme), Dr. Maryam Malik (WHO Country Office Pakistan), Sohail Ayaz Khan (CEO CHEF International), Dr. Shehzad Ali Khan (Consultant – Health Services Academy), Prof. Anjum Khawar (Consultant ENT surgeon/specialist and head of ENT department PIMS), Prof. Azeem Aslam (Consultant ENT surgeon/specialist ISRA University), Dr. Haroon Awan (Consultant - Health sector strategy development), Dr. Ijaz

Bashir (ENT specialist – private sector), Miss. Tayaba Sadaf (Special education institute for hearing impaired - Islamabad).

PHPHI Course not only introduced participants to the new dimensions in public health but also provided them a platform where they can share their own experiences from their respective workplaces/districts etc. Audiology students also shared/presented their undergraduate research projects, some of which received appreciation and further research.

Apart from the untiring efforts of Prof. Andrew Smith, other speakers include Shelly Chadha from WHO, Geneva, who shares WHO perspective and programmes on ear and hearing care via skype presentation, Sian Tesni, also put her efforts and shares experience of special education in UK via a video link presentation, Dr. Diego Santana, senior global advisor on hearing health, CBM talks about one of the most successful projects of setting up an ear and hearing care programme in Bolivia. These international speakers and participation of local course participants in discussion adds a valued effort in understanding the global/international scenario in ear and hearing health.

Prof. Andrew Smith, key facilitator of the course covers major dimensions of public health in this 5-day long course. Keeping participants interest, mock exercise of being hearing impaired with ear plugs and engaging them in planning activities is a major part of the course. Key features of course include participation of children/students from special education school for hearing impaired and these children interact/share their experiences with participants using “sign language”.

Prof. Andrew Smith discusses global magnitude of hearing loss, principles of programme planning, situation analysis, primary ear and hearing care, global programmes, health systems, study designs, survey methodology, principles of screening, monitoring and evaluation, barriers to uptake/use of hearing aids and creating awareness.

One of the major outcomes of the course is the participants work that is presented on the last day. Participants are assigned a project in their groups in the beginning of the course, and they work throughout the week on that project, applying the knowledge imparted. These projects reflect the public health perspective and participants experiences in their respective roles.

Pre-course preparations for 6th PHPHI Online course

2020 was the year when the world faced the worst pandemic of the century. Apart from its devastating impact on the world, Covid-19 pandemic has showed us new ways of continuing with educational activities during closure of institutions. Online is the new normal!

As part of PHPHI course preparations in 2020, it was decided to conduct the 6th course online and many options were considered. PIRS zoom was finalized in November, brochure for the course updated and shared on PIRS website and circulated through WhatsApp groups and emails, programme for the course finalized with Prof Andrew Smith after editing and changes according to the online requirements, registration forms sent to those who contacted and showed interest in attending course. Due to the number of speakers from different parts of the world/time zones, it was decided to use pre-recorded presentations in the morning

sessions of course. PHPHI One Drive was formed by LSHTM and pre-recorded presentations and reading materials assembled on it, that makes it easier to display in the morning sessions. It was decided that speakers from GMT zones (with -5 hours difference from Islamabad) joined sessions after lunch break i.e 0900 hrs GMT (1400 hrs PST). Students reading material and workbook was accordingly updated and edited. In the absence of practical sessions and face to face interaction with deaf/hard of hearing participants, other activities as discussions, videos and projects were included.

The week 7-11th December, at a glance

Presentations and Q&As sessions

Course started with the welcome note from Dr Farrukh Seir, Executive Director PIRS. Presentations started with a recorded presentation from Prof Andrew Smith on the introduction of the course, learning objectives and teaching and learning methods, followed by definition and magnitude of hearing loss. Participants calculated prevalence rates and numbers in an exercise. Sohail Ayaz, CEO, CHEF highlighted CEHF services during Covid-19. Principles of public health applied to hearing impairment was next recorded presentation which gave an insight into the course through the week. Later, facilitator joined live from London and practical exercise and discussion was carried out. Prof Andrew Smith discussed programme principles and Dr Malik Waqar talked about occupational health and hearing.

After recap, second day of PHPHI course started with experiences from Dr Shahid Nawaz on building self-esteem in persons with disabilities. Ms Sein Tesni, Wales, Advisor CBM on special education, presented aspects of special education for deaf and hard of hearing children. Session on the primary ear hearing care resources started with key intervention and Dr Diego Santana, Senior global advisor CBM on ear and hearing health, discussed training resources for primary, secondary, and tertiary levels. Dr Aliya Qadir introduced the community audiology module that will be included in BSc Audiology course 2021. Dr Ian Makenzie joined from Manchester and talked about his research work on consanguinity and congenital hearing loss. Prof Smith took over for awareness exercise and planning aim and setting priorities.

Third day of course remained very interactive and participative, as it started with an overview of global programmes. Basharat Hussain, coordinator International Institute of Clinical Psychology, International Islamic University, who attended PHPHI course in 2019, and as a practical implication of the knowledge gained during the course, he developed a psycho-social tool for persons with disabilities and is currently field testing it in collaboration with a national NGO, Aid to Leprosy Patients (ALP) in tehsil Gujjar Khan of Rawalpindi district. This work is presented as an impact of the PHPHI courses. A background of world hearing days was discussed prior to the much-awaited live session on WHO programmes on prevention of hearing loss and world hearing day celebration and launch of first ever world hearing report. Dr Shelly Chadha, technical officer WHO, joined from Geneva, Prof Smith and participants had an hour-long discussion and questions/answers. Dr Diego Santana presented the Bolivia project that started as a primary ear and hearing care facility and within the span of 9 years, developed into a tertiary training centre. Day concluded with group work on projects in the virtual meeting rooms.

Fourth day of the course started with a pre-recorded presentation on overview of study designs and principles of screening by Prof Smith. Dr Tess Bright from LSHTM shared her PhD research on Rapid Assessment of Hearing Loss (RAHL) methodology. Participants found it particularly useful to determine prevalence of hearing loss in their respective communities. Dr John Newall from Sydney joined live and shared his experiences of tele-audiology and tele-rehabilitation. His presentation was evidence that tele-medicine is the future in the current covid-19 situation. Prof Smith presented monitoring and evaluation and budgeting, concluded with group work project discussions.

Last day of course started with barriers to use of hearing aids. Before group presentations, 3 short videos on public health, mopping and cleaning of suppurative otitis media and journey of a deaf women through education. Videos were followed by presentations from participants groups. Prof Smith, Dr Diego and Dr Ian Mackenzie reviewed presentations and gave practical suggestions. Joana Jeremy from LSHTM presented on the DEAPH group. 6th PHPHI course ended with a concluding thank you note.

Discussion sessions

Discussions has always been proved as a way of broadening the scope of any presentation/theory. During the course, Question and answer sessions followed by discussions were very well taken.

WHO session with Shelly Chadha was extremely useful, not only about the WHO programme on prevention of hearing loss but also provided an insight into technical and advisory role of WHO. Participants showed much interest and enthusiasm in “global efforts for hearing and ear care”. Participants query about WHO programmes, its presence at country level, how participants can contribute to these programmes, WHO programmes and projects at country level etc.

Ear and hearing care, Bolivia project was also discussed in detail and the progressions and evolution of project from a small primary hearing care set up to a tertiary care training centre in 9 years showed a practical example of a project cycle and ongoing process of learning and monitoring. Discussion on this project also provided an opportunity to think about primary health/ear and hearing care as the first step (followed by presentation on key intervention – primary ear and hearing care) and developing training resources as training tool. Primary ear and hearing training resources were taken positively and practically. It was discussed to have translations and divide training resources into smaller parts for easy understanding and use of local primary health workers.

Rapid Assessment of Hearing Loss was a much-awaited presentation and after discussion it can be adapted for surveys. The data entry and analysis section need more time and clarification especially for students.

It was observed that participants want more discussion time for RAHL and study designs section. Study designs are considered as an important part of designing projects and specially students showed great interest. Studies with respective study designs for discussions would help in developing more interest and clear understanding of the subject during future courses. Inclusion of Qualitative tools and techniques would also be useful in future.

CHEF services during COVID-19 were discussed with much interest because being a local project, participants discussed ways of joining hands in these services. Training on COVID-19 prevention for students and at educational institutions was also demanded.

Learning and outcome

This first “online” course proved a good learning experience for PIRS as an institute and for IT department to identify its strength and weaknesses in term of connectivity, competence, and delivery. Online is accepted as the “new normal” all over the world during COVID-19.

It was observed during and at the end of the course that “knowledge retention” in the online course is noticeable as compared to face-to-face course. Participant’s involvement in online course was also observed. It can be attributed to the current lock down situation due to Covid-19 where most people/participants are working from homes. This knowledge retention was quite visible during the discussions, Q&A sessions, and group work preparations for last day presentations (and after course, in the form of queries for CGHH small grant programme). There were less distractions for participants (coming to venue in the morning, traffic, away from work, going back.....) which helped in deeper involvement in the course because the knowledge imparted during a particular day remained with them and practical exercises, videos, discussions, and encouragement shared with family and other course participants makes it more interesting for them (WhatsApp groups). Participants were able to join from other cities easily (Lahore, Mardan, Kohat, Kashmir, Bahawalnagar, Swat, Multan) which makes online course much accessible and affordable.

Another key learning during the course was participants interest in “practical approach and projects”. For example, the story of little Luchiano was well received, especially its connection with poor resource background/marginalized groups, primary ear/health care and as a success case study of early detection and rehabilitation. Another example was “Bolivia project” that was taken as a practical extension/implication of the theoretical presentations. Mock exercise for hearing loss that some participants practiced with their family members was successful in raising awareness and perceptions of those with hearing loss.

Addition of short videos (public health, Rose – the case study from Kenya, Children taking care of their ear and hearing health, Mopping SOM, and care) added a fresh flavour and gave many ideas to participants for using media and technology for health education, primary ear/health care and developing case studies. It is strongly recommended to include the short videos in PHPHI future courses.

Inclusion of a case study from previous PHPHI courses was another fruitful experience. If a follow-up mechanism is in place, it would be extremely useful to involve such case studies in future courses like Salamti-the psychological wellbeing services for persons with disabilities by Basharat Hussain. DEAPH is an excellent forum for PHPHI course participants to contribute their achievements and remained connected with PHPHI community.

Recommendations and way forward

- It is recommended to include more projects from around the globe and Pakistan to enhance the practicality and interest of participants in the PHPHI course.
- As an impact of PHPHI courses, past participants and their work is recommended to be highlighted in future courses.
- Participants be encouraged to participate in international forum on ear hearing health through memberships, DEAPH, applying for small grants and through webinars.
- PHPHI course be recognized as continued medical education (CME) and credited.
- It is strongly recommended to use PHPHI course as a forum for advocacy for establishing a national committee on ear and hearing health.

Part 2

Annexures

Annex 1

Course organizer teams

Organizing team LSHTM – Prof Andrew Smith and Joana Jeremy

Organizing team PIRS – Dr Aliya Qadir Khan, Muhammad Waqas, Dr Waqar Malik, and Usman Ahmed

Course facilitator – Prof Andrew Smith – LSHTM

Co – facilitator – Dr Aliya Qadir Khan

Speakers from Pakistan – Sohail Ayaz Khan - CEO CHEF International, Dr Aliya Qadir, Dr Shahid Nawaz, Dr Malik Waqar, Basharat Hussain

Speakers outside Pakistan – Dr Shelly Chadha – Technical officer for Ear and Hearing Health WHO-Geneva/Switzerland, Dr Diego Santana – Senior global advisor on Ear and Hearing Health CBM Tenerife/Spain, Ms Sian Tesni – Wales/UK, , Dr John Newall - Sydney/Australia, , Dr Ian Mackenzie – Manchester/UK, Dr Tess Bright, - LSHTM/London/UK and Ms Joana Jeremy – LSHTM/London/UK

Annex 2

Important links/websites and documents referred during course/discussions

1. Pakistan multiple indicator clusters survey 2017-18
2. Pakistan demographic and health survey 2018
3. Situation analysis of hearing and ear care in Pakistan 2011
4. <http://www.pbs.gov.pk/>
5. <http://pakistan.gov.pk/ehsaas-program.html/>

Annex 3

List of participants of 6th Online PHPHI course 2020 Islamabad

No.	Name	Affiliation/designation
1	Dr Shahid Nawaz	HOD – Audiology PIRS
2	Dr Taskeen	Faculty PIRS
3	Ms Sidra Hafeez	P & O Faculty PIRS
4	Dr Shazia Maqsood	MO - Human Development Foundation
5	Sayed Shahab Rehman	Assistive Devices Porgamme - CHEF
6	Shabir Ahmed	Public health specialist - CHEF
7	Aiman Abbas	Student – PIRS
8	Farhana Noor	Student – PIRS
9	Mohammad Imad	Student – PIRS
10	Sameer Irshad	Student – PIRS
11	Samra Abid	Student – PIRS
12	Zarlish Saqulain	Student – PIRS
13	Atoofa Asim	Student – PIRS
14	Ramsha Haroon	Student – PIRS
15	Saba Abid	Student – PIRS
16	Sumbal Shabbir	Student – PIRS
17	Salim Khan	Student – PIRS
18	Israj Gul	Programme Coordinator – CHEF
19	Iqra Aslam Khan	Faculty PIRS
20	Huma Murtaza	Faculty PIRS
21	Tehreem Baig	Faculty PIRS
22	Dr Tehmina Azhar	Behbud Association of Pakistan

Annex 4

Programme 6th Online PHPHI course 2020 Islamabad

Monday	Topic	Facilitator(s)
9:00 – 9:15	Opening of the course – Programme Zoom/Meeting guidelines	Dr Aliya Qadir
9:15–9:30	Welcome address	Dr Farrukh Seir
9:30–10:00	Introducing each other	Everyone
10:00–10:15	Introduction to the course: learning objectives and teaching and learning methods	Prof Andrew Smith
10:15–10:45	Definition and Magnitude of hearing loss	Prof Andrew Smith
10:45–11:00	Exercise 2 on calculating rates and numbers.	Prof Andrew Smith
11:00–11:30	BREAK	
11:30–12:00	CHEF services during COVID-19	Sohail Ayaz Khan CEO CHEF
12:00–12:45	Principles of Public Health applied to Hearing Impairment	Prof Andrew Smith
12:45–13:00	Prevention of hearing loss and introduction to exercise 3 on prevention.	Prof Andrew Smith
13:00–14:00	LUNCH BREAK	
	Prof Andrew Smith joins live from 14:00 – 17:00	
14:00–14:15	Raising awareness - introduction to hearing awareness practical. Discussion on Tuesday afternoon.	Prof Andrew Smith
14:15–15:00	Continue exercise 3 for 15 minutes on prevention of hearing loss followed by 30 minutes discussion.	Prof Andrew Smith
15:00-15:15	BREAK	
15:15-15:45	Programme planning: Principles of Programme Planning & situation analysis: Where are we now and where do we need to get to?	Prof Andrew Smith
15:45-16:00	Occupational health and Hearing Loss	Dr Malik Waqar
16:00–17:00	Group work – Selection of population and carrying out Situation Analysis	Prof Andrew Smith

Tuesday	Topic	Facilitator(s)
9:00—9:30	Recap of the previous day	Dr Aliya Qadir
9:30—10:15	Building self-esteem in persons with disabilities	Dr Shahid Nawaz
10:15-11:00	Introduction to education for deaf and hard of hearing children	Ms Sian Tesni (by Zoom Link)
11:00-11:30	BREAK	
11:30-11:45	Key intervention: Primary ear and hearing care 1. Philosophy, History and Use in Pakistan of PEHC training resource	Prof Andrew Smith
11:45-12:30	2) Development of Primary ear and hearing care training Resource as a training tool 3) Implementing Primary, secondary and tertiary ear and hearing care	Dr Diego Santana, (by Zoom Link)
12:30—13:00	Community Audiology module	Dr Aliya Qadir
13:00-14:00	LUNCH BREAK	
	Prof Andrew Smith joins live from 14:00 – 17:00 Dr Ian Mackenzie joins live from 14:00 – 14:30	
14:00-14:30	Research on hearing and ear care Consanguinity	Dr Ian Mackenzie Liverpool School of Hygiene and Tropical Medicine (by zoom link)
14:30-14.45	Discussion on raising awareness exercise.	Prof Andrew Smith & everyone
14:45 -1500	Questions on group work and situation analysis from Day 1.	Prof Andrew Smith
15:00-15:15	BREAK	
15:15-15:45	Planning: setting aim, objectives, identifying priorities	Prof Andrew Smith
15:45—17:00	Group work	Everyone

Wednesday	Topic	Facilitator(s)
09:00--09:15	Recap of the Previous Day	Dr Aliya Qadir
09:15--10:00	Global Programmes	Prof Andrew Smith
10:00--10:45	Salamti – Inclusive Psychological wellbeing service for persons with disabilities – A PhD research project	Dr Basharat Hussain Coordinator International Institute of Clinical Psychology IIU Islamabad
10:45--11:00	Q&As/discussion	
11:00--11:30	BREAK	
11:30-11:55	What is World Hearing Day (WHD)	Dr Aliya Qadir
	Prof Andrew Smith joins live from 11:45 – 13:00 Dr Shelly Chadha joins 12:00 – 13:00	
11:55-12:00	Introduction of Dr Shelly Chadha – WHO	Prof Andrew Smith
12:00--12:30	WHO Programme on Prevention of Hearing Loss	Dr Shelly Chadha (by zoom link) – WHO Geneva
12:30--13:00	WHD preparations and World Hearing Report launch on 3 rd March 20	Dr Shelly Chadha (by zoom link) – WHO Geneva
13:00--14:00	LUNCH BREAK	
	Prof Andrew Smith joins live from 14:00 – 17:00 Dr. Diego Santana joins live 14:00 – 14:30	
14:00--14:30	Developing a District Programme: Bolivia	Dr Diego Santana (by zoom link)
14:30--15:00	Group Work -Setting objectives, identifying priorities and activities	Prof Andrew Smith & everyone
15:00--15:15	BREAK	
15:15--17:00	Group Work -Setting objectives, identifying priorities and activities.	Prof Andrew Smith & everyone

Thursday	Topic	Facilitator(s)
09.00 –09.15	Recap of previous day	Dr Aliya Qadir
09:15--09:45	Overview of Study design	Prof Andrew Smith
09:45–10:15	How to survey for hearing impairment –. WHO method. (Exercise 4)	Prof Andrew Smith
10:15–11:00	WHO Principles of screening; screening at different ages	Prof Andrew Smith
11:00–11:30	BREAK	
11:30–12:15	Rapid Assessment of Hearing Loss and Key Informant Method (KIM)	Dr Tess Bright LSHTM
12:15–13:00	Tele – Audiology/Tele – Rehabilitation	Dr John Newal Macquarie University, Sydney
13.00 –14:00	LUNCH BREAK	
	Prof Andrew Smith joins via zoom from 14:00 – 17:00	
14:00 –14:15	Questions about Group Work	Everyone
14:15 –15:00	Monitoring and evaluation: developing indicators, targets & budgets	Prof Andrew Smith
15:00-15:15	BREAK	
15:15–16:00	Group work – programme plans for selected population – setting timeframe, monitoring and evaluation	Prof Andrew Smith & everyone
16:00–17:00	Group work – programme plans for selected population – setting timeframe, monitoring and evaluation	Prof Andrew Smith & everyone

Friday	Topic	Facilitator(s)
9:00 –9:15	Recap of previous day	Dr Aliya Qadir
09:15–10:00	Barriers to hearing aids, raising awareness - presentation & discussion.	Prof Andrew Smith
10:00–11:00	Videos on public health and SOM mopping and cleaning	
11:00–11:30	BREAK	
11:30–12:00	Group 1 presentation Q & A - Discussion	Group 1 Prof Andrew Smith, Dr Mackenzie and everyone
12:00–12:30	Group 2 presentation Q & A - Discussion	Group 2 Prof Andrew Smith, Dr Mackenzie and everyone
12:30–13:00	Group 3 presentation Q & A - Discussion	Group 3 Prof Andrew Smith, Dr Diego, and everyone
13:00-14:30	LUNCH + PRAYER BREAK	
14:30–15:00	Group 4 presentation Q & A - Discussion	Group 4 Prof Andrew Smith, Dr Diego, and everyone
15:00–15:15	DEAPH GROUP	Joana Jeremy
15:15–15:45	Evaluation	Everyone
15:45–16:00	Thank you Note and closure of course	Dr Farrukh Seir / Prof Andrew Smith