



**Global
Foundation
For Children
With Hearing Loss**



Mongolia

Developing Newborn Hearing Screening and Early Intervention Services

Stacy Claycomb, AuD, University of Colorado Hospital

Paige Stringer, MA Executive Director / Founder Global Foundation For Children With Hearing Loss

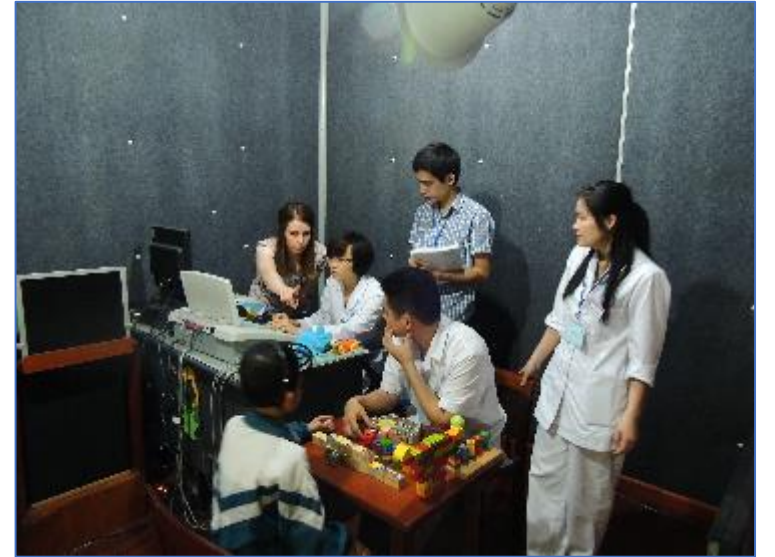


2014 Ministry of Health Decree

- The Mongolian government identified five priority areas for health screening of newborn babies including hearing loss.
- At that time, just 1 hospital in Ulaanbaatar had equipment to screen children and newborns for hearing issues.



The Global Foundation For Children With Hearing Loss works with health and education partners in low and middle income countries to address gaps in the system of support for babies and young children with hearing loss and their families



Current Programs in Vietnam, Ecuador, Mongolia

Global Foundation Team :

70 professionals from 5 countries representing Pediatric Audiology, Speech Pathology, Early Intervention, Deaf Education, and Otolaryngology

Lyndsey Allen, SLP, LSLS Cert AVT

Jill Bargones, PhD, CCC-A

Ann Baumann, MSc, CCC-SLP, LSLS Cert AVEEd

Maura Berndsen, MA, CD, LSLS Cert AVT

Anita Bernstein, MScA, LSLS Cert AVT

Tracy Burger, M.S., CCC-SLP, M.S., CCC-A

Terra Boulouse-Archaro, MA, CCC-SLP

Troy Cascia, AuD, F-AAA

Stacy Claycomb, AuD, CCC-A

Becky Clem, MA, CCC-SLP, LSLS Cert AVT

Mary Daniels, MA Ed, LSLS Cert AVEEd

Myriam De La Asuncion, AuD, CCC-A

Michael Douglas, MA, CCC-SLP, LSLS Cert AVT

Charlotte Ducote, PhD, CCC-SLP

Nicole Duncan, AuD, CCC-A

Patricia Eckels, MS, CED

Hannah Eskridge, MSP, CCC-SLP, LSLS Cert AVT

Sherri Fickenscher, MS, CED, LSLS Cert AVEEd

Sarah Florence, AuD, CCC-A

Janet Fuller, MA Ed

Hillary Ganek, MA, CCC-SLP, LSLS Cert AVT

Sharad Govil, MSc, F-AAA

Allison Haggerty, MS, CCC-SLP, LSLS Cert AVT

Megan Mansfield, AuD, CCC-A

Brad McPherson, PhD, F-AAA

Dawn Marsiglia, MA, CCC-A/SLP

Lauri Nelson, PhD, CCC-A

Sara Neumann, AuD, CCC-A

Judy Nguyen, MA, CCC-SLP

Dorie Noll, MSDE, CED, LSLS Cert AVEEd

Judy Odendahl, MA Ed, LSLS Cert AVEEd

Nadine Palmateer, MA, CCC-A

Jacque Patton, MSc, CCC-A, LSLS Cert AVT

Cache Pitt, AuD, CCC-A

Elizabeth Preston, AuD, CCC-A

Lauren Ragnetti, MA, CCC-A

Michelle Reiter, AuD, CCC-A

Joanne Restivo, AuD, CCC-A

Stacey Rich, MCIAuD

Pat Roush, AuD, CCC-A

Jay Rubinstein, MD, PhD

Dawn Ruley, AuD, CCC-A

Claire Schleicher, AuD, CCC-A

Judy Simser, O. Ont, Dip. Ed. Deaf, Cert AVT

Mike Skrip, AuD, CCC-A, F-AAA

Christi Sperry, AuD, F-AAA



Victoria Spoon, MS, CCC-SLP, LSLS Cert AVT

Lucia Quinonez Sumner, MA

Sally Tannenbaum, M.Ed, CED, LSLS Cert AVT

Ellen Thomas, MA, CCC-SLP, LSLS Cert AVT

Erin Thompson, MS, CCC-SLP, LSLS Cert AVT

Alejandra Ullauri, AuD, CCC-A

Julie Verhoff, AuD, PhD, CCC-A, F-AAA

Sherri Vernelson, MS, LSLS Cert AVEEd

Zofia Wald-Mroz, AuD, MS

Jim Watson, MSc, LSLS Cert AVT

Lea Watson, MSc, CCC-SLP, LSLS Cert AVT

Kathryn Wilson, MA, CCC-SLP, LSLS Cert AVT

Lynn Wood, MA, CCC-A, LSLS Cert AVT

Pam Yoshihara, MA, CED, LSLS Cert AVEEd

Helen Zuganelis, MS, CCC-SLP



Success

Early Identification
of Hearing Loss

Hearing
Technology

Locally-based
Audiology & Early
Intervention Support

Low Resource Countries are Lacking in These Key Areas

Global Foundation Mongolia Program

Program Features:

- Establish newborn hearing screening & referral processes
- Train medical professionals and therapists in pediatric audiology and therapy
- Conduct programs to help families support their children with hearing loss
- Raise awareness for hearing loss and preventive care in Mongolia
- Scale hearing screening and training out from Ulaanbaatar to provinces
- Demonstrate viability to Ministry of Health for long term national investment

Projected Impact

- Phase 1 (Ulaanbaatar):
- Estimated 41,000 newborn babies screened annually. Young children will also benefit too.
- Ministry of Health professionals trained in audiology and therapists in auditory-verbal therapy. 2018 expanded to include Ministry of Education personnel.
- Increased awareness in community and among families to support children with hearing loss

- Phase 2 (National):
- Estimated 80,000 newborn babies screened annually. Young children will also benefit too.
- Train the Trainer model expands training benefits to provinces
- Increased awareness in community and among families to support children with hearing loss

6,505 babies and children projected to benefit over first 5 years of full implementation

September 2016



OAE – Test conducted in first hours of life



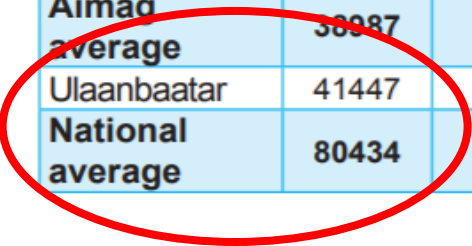
Video

ABR- More advanced screening as follow up to OAE

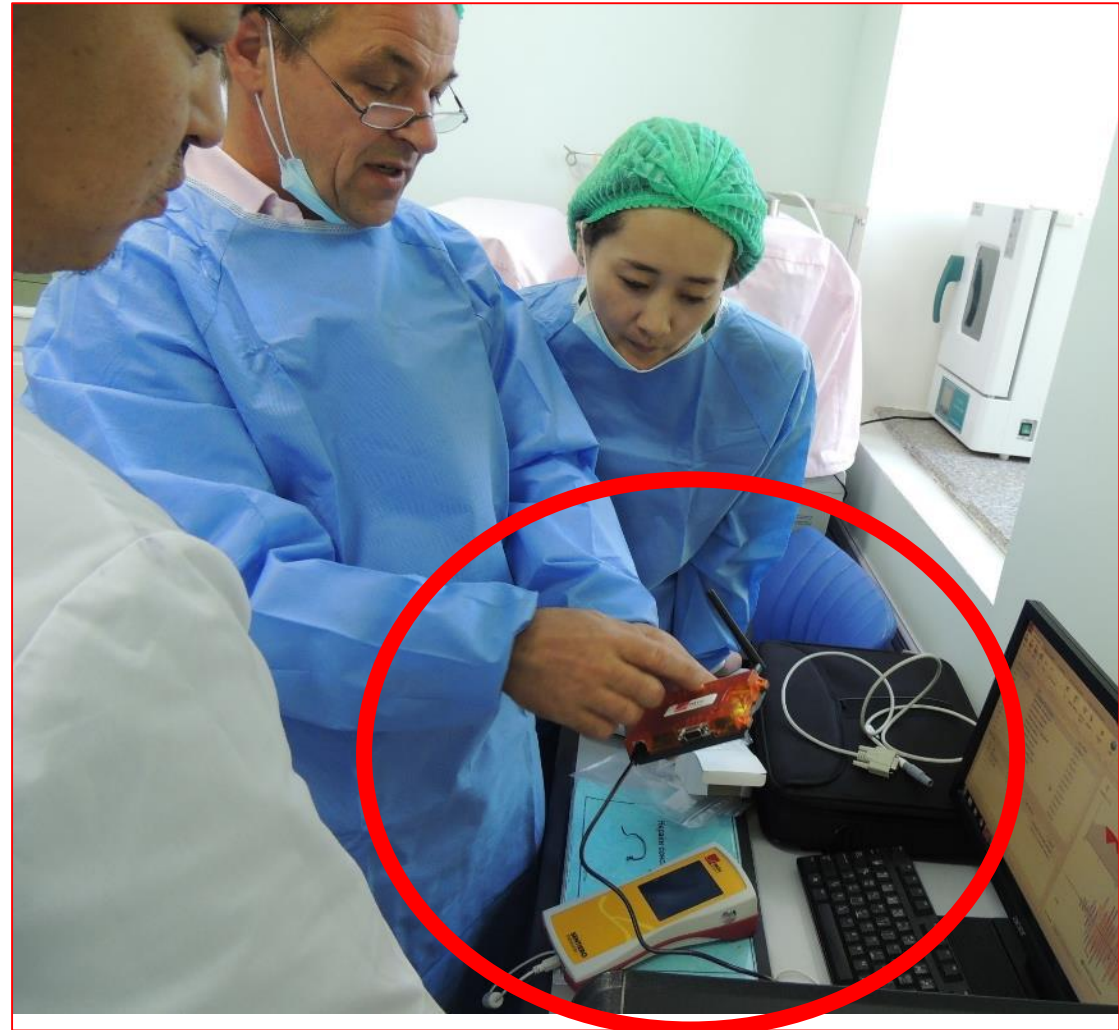


Table 3.3.2 Number of births by type of health facility, 2015

Aimag, city	Total number of births	Home births	RDTC	Aimag, district general hospitals	Rural general hospitals	SHC, inter-soum hospitals	VHC	Units with medical doctor	Maternity hospitals in UB, NCMCH	Private clinics	NCID
Arkhangai	2037	7	0	1515	0	515	0	0	0	0	0
Bayan-Ulgii	2761	6	0	2113	0	638	4	0	0	0	0
Bayankhongor	2125	9	0	1797	0	314	5	0	0	0	0
Bulgan	985	6	0	760	0	212	7	0	0	0	0
Govi-Altai	1284	5	0	1125	0	153	1	0	0	0	0
Govisumber	442	0	0	442	0	0	0	0	0	0	0
Darkhan-Uul	2628	15	0	2574	0	39	0	0	0	0	0
Dornogovi	1534	6	0	1239	270	19	0	0	0	0	0
Dornod	1958	3	1879	0	0	76	0	0	0	0	0
Dundgovi	996	5	0	821	0	170	0	0	0	0	0
Zavkhan	1628	2	0	940	406	280	0	0	0	0	0
Orkhon	2680	6	2672	0	0	2	0	0	0	0	0
Uvurkhangai	2741	10	1949	0	296	469	0	2	0	15	0
South Govi	1509	3	1194	0	0	312	0	0	0	0	0
Sukhbaatar	1395	7	0	1312	0	76	0	0	0	0	0
Selenge	1945	4	0	1003	685	218	35	0	0	0	0
Tuv	1279	14	0	966	0	299	0	0	0	0	0
Uvs	1996	16	0	1590	0	390	0	0	0	0	0
Khovd	2312	4	1874	0	186	248	0	0	0	0	0
Huvsgul	3119	10	0	2414	0	695	0	0	0	0	0
Khentii	1633	4	0	1279	106	242	1	1	0	0	0
Aimag average	38987	142	9568	21890	1949	5367	53	3	0	15	0
Ulaanbaatar	41447	187	0	1569	0	0	5	0	38085	1577	24
National average	80434	329	9568	23459	1949	5367	58	3	38085	1592	24



September 2017

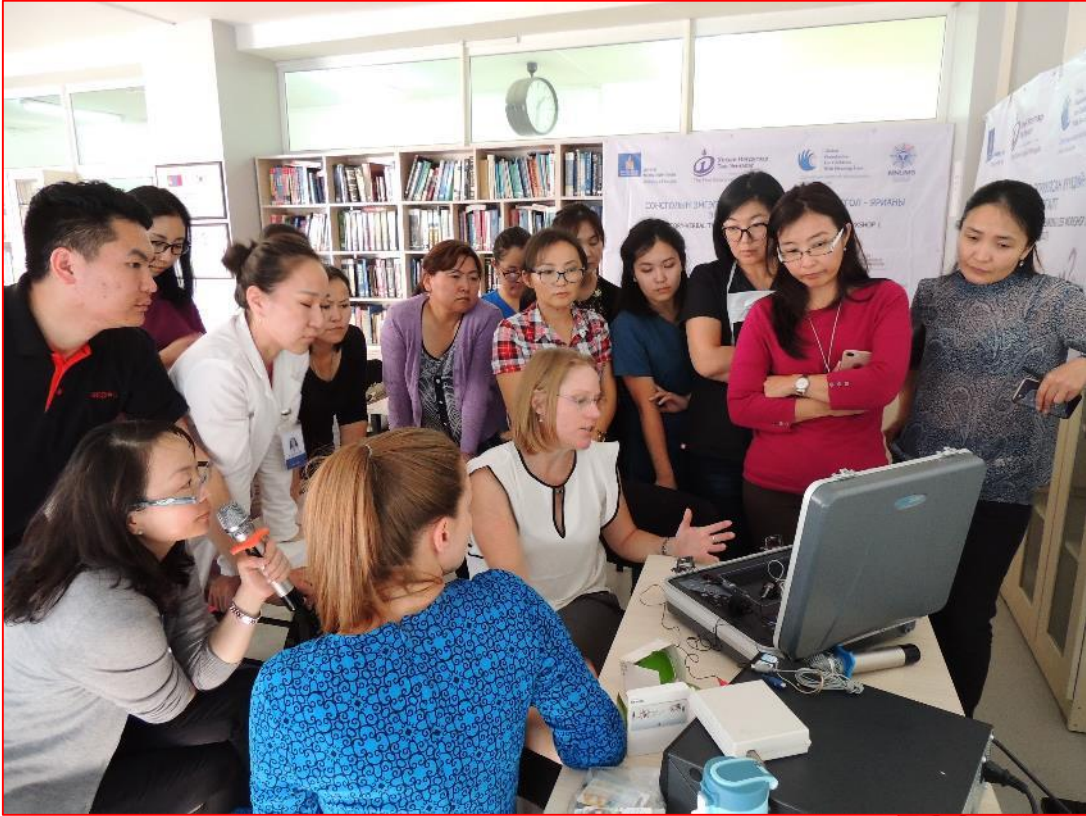


Audiology and AV Therapy Training Curriculum Developed by Global Foundation Professional Team

1000+ pages of materials translated and bound into training handbooks for participants to keep













Success

Early Identification
of Hearing Loss

Hearing
Technology

Locally-based
Audiology & Early
Intervention Support

Thank You!



**Global
Foundation
For Children
With Hearing Loss**



**Global
Foundation
For Children
With Hearing Loss**

Childrenwithhearingloss.org