

2022 Guaymas Mission



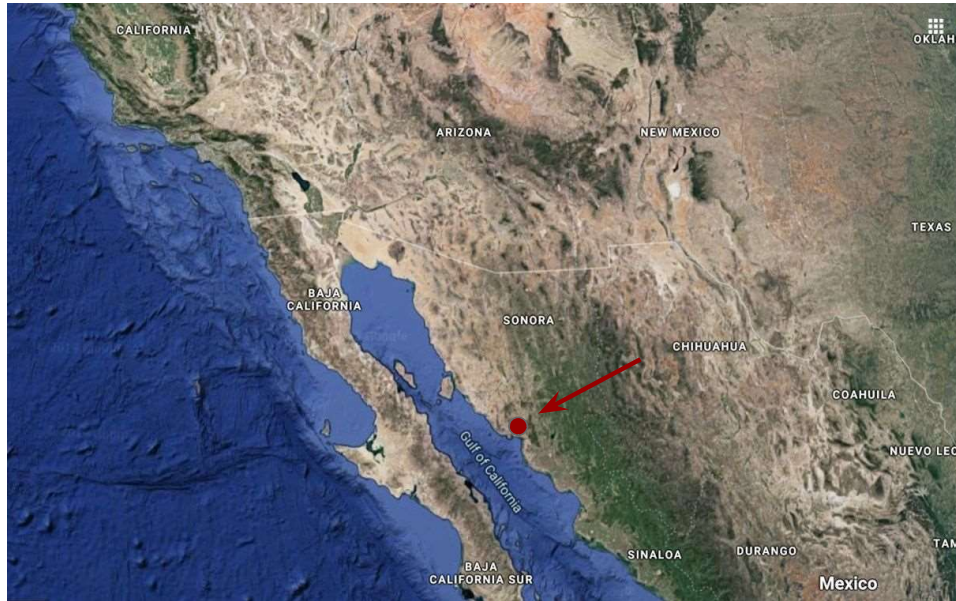
Report

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Mesa West Rotary Club Meeting
May 22, 2023

About the Guaymas Mission
("Ayudame a Escuchar")

Guaymas, Mexico



Guaymas Statistics

- 44 % live in poverty (live on less than \$4.00 US dollars/day).
- Healthcare concentrated in large cities.
- Guaymas and nearby communities lack Audiology/ENT services

Mission History

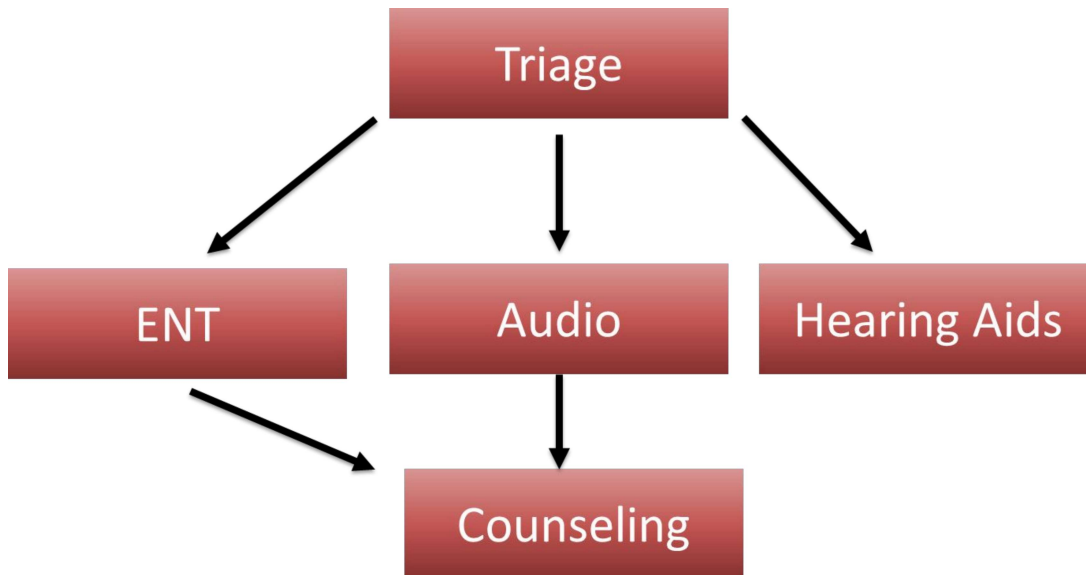
- Fact-finding trip in 1992
- First mission in 1993
- Addition of students in 2003

Current trip status

- October or November each year
- 2 travel days, 2 work days
- ~30-50 volunteers each year
- Trained audiology tech from Alamos in 2018 to provide quarterly maintenance services in Guaymas



Services Provided



2022 Trip Statistics

Dates:	Nov. 9-12, 2022
Patients seen:	Adults: 136 Children: 67
Earmolds made:	122
Hearing aids fit:	73

Historical Trip Statistics

- ~5800 individuals served, ages 6 months-108 years
- ~2400 earmolds made
- ~3100 hearing aids fit



2022 Trip Budget

Expense	Projected	Actual Expenses	Notes
Hotel Rooms	5000	-	Paid for by Guaymas Club
Food	1200	5147.15	Sunset Grill primary additional expense
Stipends to Alamos Doctors	1200	1200	
Stipend to Rodolfo Fernandez+expenses	300	500	
Matrix Earmolds	400	167.91	
Medicine	400	265.13	
Batteries	400	0	Donated by Bob
Van Rental and Gas	2800	3234.46	
Tips to Hotel Staff	0	135	
Toll Road Fees	0	30	
Total:		10,679.65	

What would services cost if provided in US?

Cost of medical services	\$60,900
Cost of HAs fit	\$137,500
Cost of earmolds	\$9760
Hearing aid batteries	\$11,050 (cost for pt. purchase)
Total of donated goods and services:	\$219,210

Importance of
Hearing Health
Care

Children with hearing loss will have difficulty with...

- Learning plurals, tenses
- Being able to differentiate words and sounds
- Performing tasks that involve language comprehension
- Auditory attention and memory
- Speech perception and production
- Conversational and social language

Academic Implications of hearing loss

- Lower performance on verbal IQ tests
- Higher rates of grade repetition and failure
- Increased needs for special education
- Progressive academic delays as progressing through their schooling

Psychosocial implications of hearing loss in children

- Social isolation, exclusion, embarrassment, annoyance, confusion, helplessness
- Decreased independence in the classroom
- Social immaturity
- Hesitation to participate in classroom and extracurricular activities
- Poor self-image

Hearing loss in adults

<p>Brain Older adults with hearing loss may lose over a cubic centimeter of brain tissue annually beyond normal shrinkage</p>	<p>Vision Visually impaired older adults are more likely to experience hearing loss</p>	<p>Sickle-Cell Anemia Up to a third of people living with sickle cell anemia may also have hearing loss</p>
<p>Dementia People with hearing loss are two, three, or five times as likely to develop dementia, depending on the severity of their hearing loss</p>	<p>Depression Hearing-impaired seniors have a 57% greater risk of deep depression</p>	<p>Smoking Those who smoke are at greater risk of hearing loss than nonsmokers, and secondhand smoke is linked to sensorineural hearing loss among adolescents</p>
<p>Memory Hearing-impaired seniors experience thinking and memory problems 30-40% faster than their normal-hearing counterparts</p>	<p>Hypertension Hypertensive patients have a higher threshold below which they cannot hear - indicating hearing loss</p>	<p>Anxiety Seniors with untreated hearing impairment are more likely to report feeling worried and anxious versus those using hearing aids</p>
<p>Heart Disease Those with heart disease are up to 54% more likely to have hearing loss</p>	<p>Diabetes Hearing loss is twice as common in those with diabetes and 30% higher among adults with diabetes</p>	<p>Relationships Partners of those with hearing loss may also experience stress, fatigue, isolation and other impacts</p>

Report from Rodolfo



Ayudame a Escuchar

Guaymas, Sonora, Mexico

2022 - 23



Ayudame a Escuchar

Guaymas 2022

Sessions	# Patients	New HAs fitted			Used HAs repaired/ cleaned/adjusted	Earmolds made	Referrals (medical, psychological, educational, etc.)
		RS70	RS80	RS90			
5 (3 clinics)	50	3	14	5	7	18	15
		22					

Ayudame a Escuchar

Guaymas 2023 (through May)

Sessions	# Patients	New HAs fitted				Used HAs repaired/ cleaned/adjusted	Earmolds made	Referrals (medical, psychological, educational, etc.)
		RS70	RS80	RS90	Other			
4 (2 clinics)	58	9	7	3	3	9	24	11
		22						




Ayudame a Escuchar


Guaymas 2022-23 (through May)

Sessions	# Patients	New HAs fitted				Used HAs repaired/ cleaned/adjusted	Earmolds made	Referrals (medical, psychological, educational, etc.)
		RS70	RS80	RS90	Other			
9 (5 clinics)	108	12	21	8	3	16	42	26
		44						



Ayúdame a Escuchar 2023																											
January							February							March							April						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
1	2	3	4	5	6	7	29	30	31	1	2	3	4	26	27	28	1	2	3	4	26	27	28	29	30	31	1
8	9	10	11	12	13	14	5	6	7	8	9	10	11	5	6	7	8	9	10	11	2	3	4	5	6	7	8
15	16	17	18	19	20	21	12	13	14	15	16	17	18	12	13	14	15	16	17	18	9	10	11	12	13	14	15
22	23	24	25	26	27	28	19	20	21	22	23	24	25	19	20	21	22	23	24	25	23	24	25	26	27	28	29
29	30	31	1	2	3	4	26	27	28	1	2	3	4	26	27	28	29	30	31	1	30	1	2	3	4	5	6
May							June							July							August						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
30	1	2	3	4	5	6	28	29	30	31	1	2	3	25	26	27	28	29	30	1	30	31	1	2	3	4	5
7	8	9	10	11	12	13	4	5	6	7	8	9	10	2	3	4	5	6	7	8	6	7	8	9	10	11	12
14	15	16	17	18	19	20	11	12	13	14	15	16	17	9	10	11	12	13	14	15	13	14	15	16	17	18	19
21	22	23	24	25	26	27	18	19	20	21	22	23	24	16	17	18	19	20	21	22	20	21	22	23	24	25	26
28	29	30	31	1	2	3	25	26	27	28	29	30	1	23	24	25	26	27	28	29	27	28	29	30	31	1	2
30	31	1	2	3	4	5	2	3	4	5	6	7	8	30	31	1	2	3	4	5	27	28	29	30	31	1	2
September							October							November							December						
S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S
27	28	29	30	31	1	2	1	2	3	4	5	6	7	29	30	31	1	2	3	4	26	27	28	29	30	1	2
3	4	5	6	7	8	9	8	9	10	11	12	13	14	5	6	7	8	9	10	11	3	4	5	6	7	8	9
10	11	12	13	14	15	16	15	16	17	18	19	20	21	12	13	14	15	16	17	18	10	11	12	13	14	15	16
17	18	19	20	21	22	23	22	23	24	25	26	27	28	19	20	21	22	23	24	25	17	18	19	20	21	22	23
24	25	26	27	28	29	30	29	30	31	1	2	3	4	26	27	28	29	30	1	2	24	25	26	27	28	29	30
																					31	1	2	3	4	5	6

 Rodolfo

 Mission w/
full Team

Dr. Abby's contribution has been huge.

- She takes care of all medical related issues.
- General health consultation.
- Specific audiological testing: otoscopy, oto-acoustic emissions, tympanometry & audiometry
- Cerumen removal.
- Medical referrals.

Rodolfo's activities

- Coordinate with Guaymas Rotary Club: Hotel accommodations, lunches, patients' lists, etc.
- Coordinate with CAM School: Facilities, volunteers, patients' lists, mini clinics' logistics, inventories, etc.
- During mini clinics: Everything but medical consultations. Setup and break-down of equipment, clinic area, inventories, etc.
- Otoscopy, Tympanometry and audiometry testing. Counseling.
- Ear mold fabrication.
- HA fitting/cleaning/repairing/adjustment.
- Patients database management
- Activities report.
- Expenses report.

Thank You

Thank you for your
support of the Guaymas
Mission

Questions?