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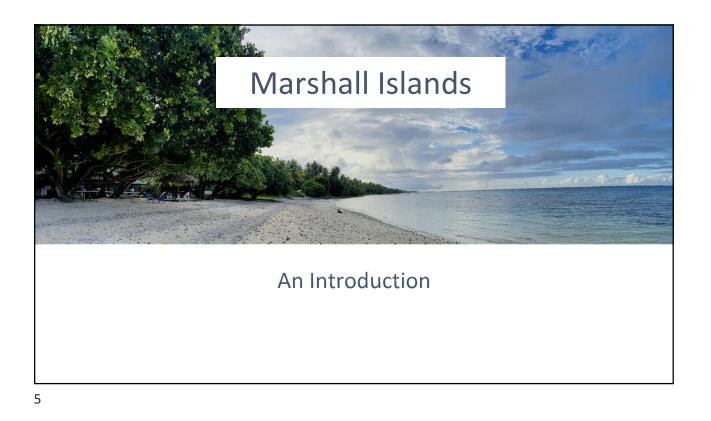
Presentation Details

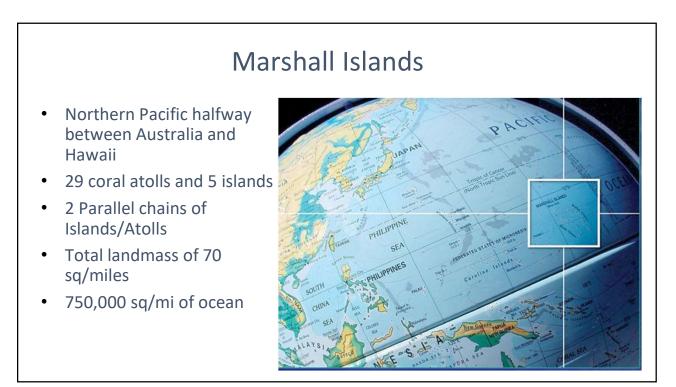
Learning Objectives

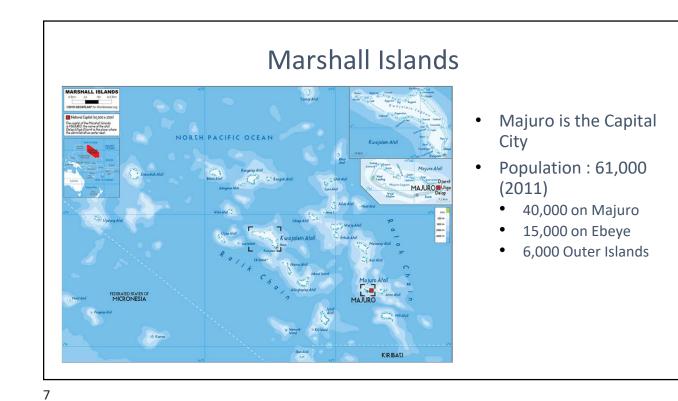
- Describe the Republic of the Marshall Islands (RMI) and list its two primary centers for EDHI services within the islands
- Identify two obstacles to identifying children with hearing loss on the RMI before 2020
- Describe one potential advantage teleaudiology and remote EI has over inperson services after 2023

Outline

- 1. Introduction to the Marshall Islands
- 2. EHDI in RMI
- 3. Transitioning to telehealth
- 4. Telehealth in practice
- 5. The future of telehealth on the RMI
- 6. Questions, perspectives from our team



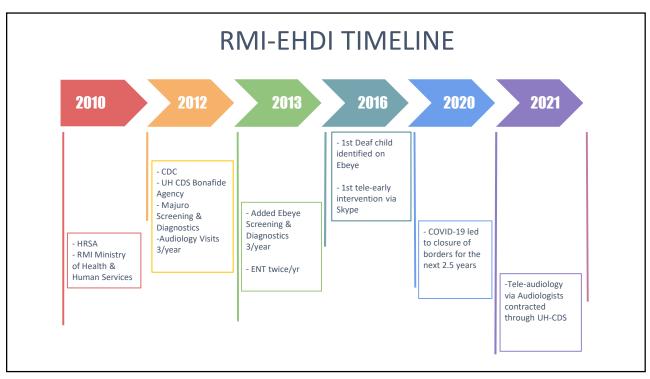




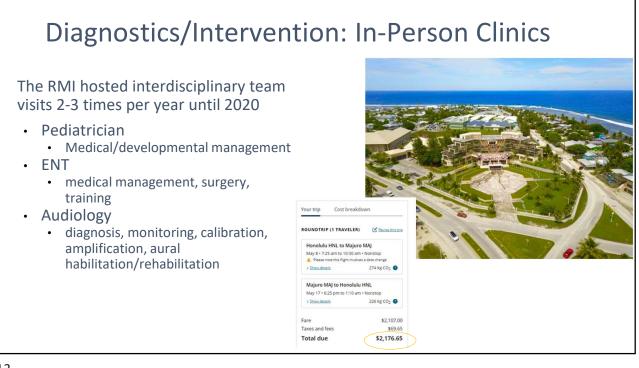


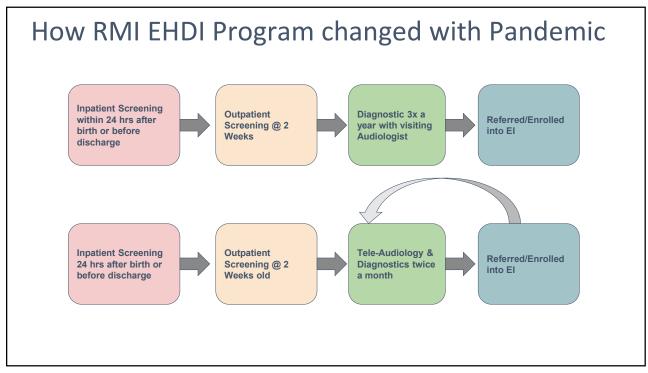




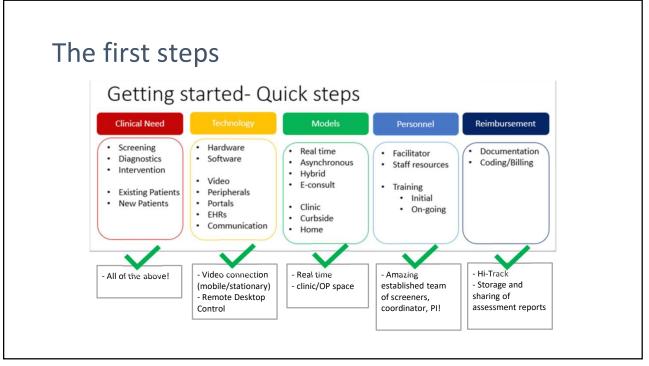
















Transitioning to Remote Intervention

Effectively reaching remote families became easier -Facebook Messenger

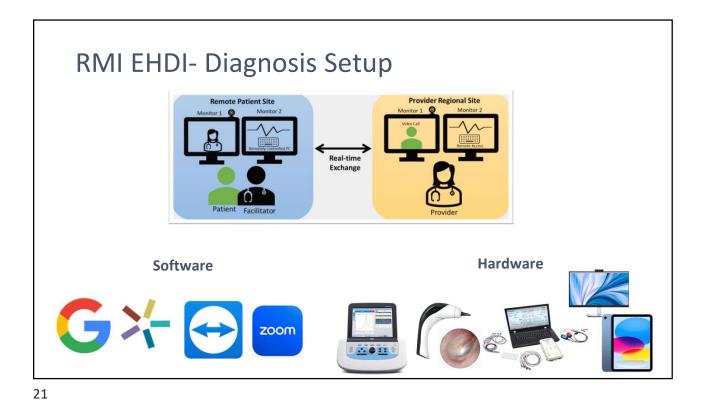
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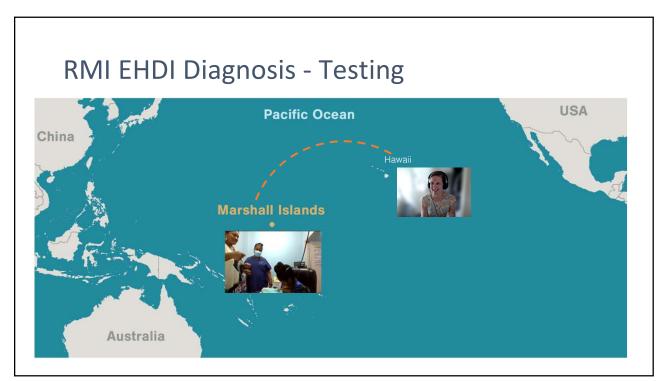
- distance training
- in-home observation
- Incorporation of iPads
- portable wifi devices









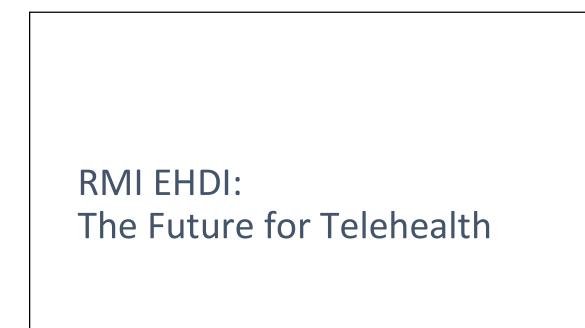


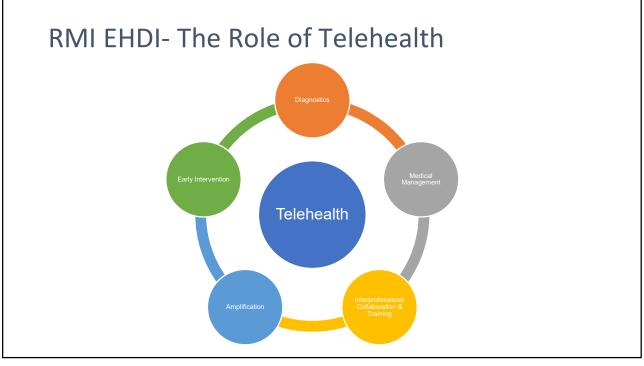




Current Challenges and Opportunities in
Telemedicine

Challenges	Opportunities
Children aging out of ABR window	Increasing tele-ABR volume, with in person follow up
Coordinating of medical intervention on-island	Increasing capacity through ENT pediatric training and ensuring inventory of needed medications/supplies
Access to amplification	Establishing initial remote fitting and follow up protocols, improving training, and increasing inventory







Takeaways

Our EHDI team transitioned to Telehealth - remote diagnosis, intervention, and medical management - to meet challenges presented by COVID.

Our hope is that these changes represent, not a stopgap measure to be rolled back, but a foundational change leading to enhanced EI services in the future.





In their words: Litia Cama

The main challenge we had here on Ebeye is there is no audiologist or ENT specialist. We have to wait for visiting team if any to see patients here. There were no canvas back teams [other traveling services] here since Covid till today.

Now that we have teamviewer, it's a great accomplishment where babies can be diagnosed via ABR.

- Our screening machines need to be calibrated and it's been more than 3 yrs now with no calibration done

There are only 2 of us here doing screening so we are a bit understaffed.

- During Covid our mothers and babies were allowed only to stay for 6 hrs before they are discharged and since we are short of staff we had a few misses so we had to catch them at their first clinic in outpatient.

If we can have one more machine- we can use during outreach in the outer islands.

31

Program PI: Ray Miner

- First and foremost, telehealth-Audiology is critically needed in RMI since there are no practicing audiologists in RMI. Given the expense of sending audiologists on a regular basis to RMI and the limited funds available through the EHDI grant, the Program has to rely on telehealth to meet 1-3-6 goals.
- Given the small size of the entity, the funds generated through other Programs such as the Maternal and Child Heath Program, etc. are not enough to assist and support the EHDI initiative. Furthermore, as reported by the World Bank, the Gross National Product per capita as of 2021 the most recent data available was just over \$6,000 USD compared to the US at over \$70,000 per capita, thus there is little local generated funds to support the Program. Therefore, the EHDI grant is basically the sole source for the initiative.
- To help supplement the grant, a portable operating microscope was donated to the Program, and we solicit for hearing and aid supplies donations.
- Equipment calibration is a challenge and will be even more of a challenge as the available funds continue to be smaller after personnel costs. I am a certificated calibration specialist and have been doing the calibrations. I am not going to always be available to do the calibrations and at reduced cost. Remote calibration for audiometric equipment is a possibility, but a person will need to be trained to connect various cables and receivers to couplers as the calibration progresses, and accessories will need to be shipped to RMI.
- There are many challenges facing the RMI EHDI Program but given the creative and positive thinking and energy of
 our team we will find ways to over come the obstacles and challenges in order to identify and service babies and
 infants with hearing impairments and their families.