

Pacific Heads of Nursing & Midwifery Meeting

Réunion des directeurs des soins infirmiers et obstétricaux du Pacifique

ENT NURSING DEVELOPMENT IN SAMOA

Prepared by
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ENT Register Nurse



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Presentation Overview

- Background the role of nurses in the ENT healthcare
- ENT Clinic of Samoa: our work progress and achievements
- Challenges for further development of the ENT Clinic
- Future Directions and Opportunity



BACKGROUND

- The role of Nurses in ENT healthcare
- According to the WHO the Pacific Island are estimated to have among the highest rate of ear disease and hearing loss in the world.
- Ear and Hearing Specialist are rare in the Pacific Islands
- Nurses play a vital role in addressing ear and hearing healthcare
 - Community level : primary care for prevention and early management for ENT disease.
 - Hospital Level: Specialised services for chronic or complication of ENT diseases



Dr. Na Cui &

Dr. Annette Kasper

Snr RN Ferila Figao

RN Abraham Fatupa'ito



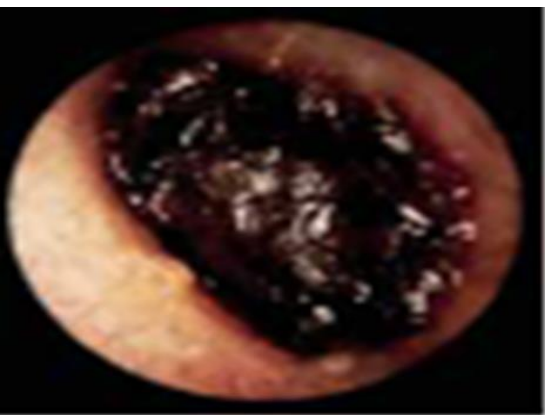
*HOU: Dr. Sione Pifeleti
Dr. Maria Ah Kuoi
RN Mesepe Fotu*

*RN Serita Mealo'i
RN Marjorie Liaga
RN Annie Lilo*

Typical ENT Clinic Caseload (2023)

- Average of 200 cases per week
- Approximately 80% are ear and /or hearing problems
- Approximately 50% are ear infections
- About 40% cases are children under 10years of age.

Ear wax



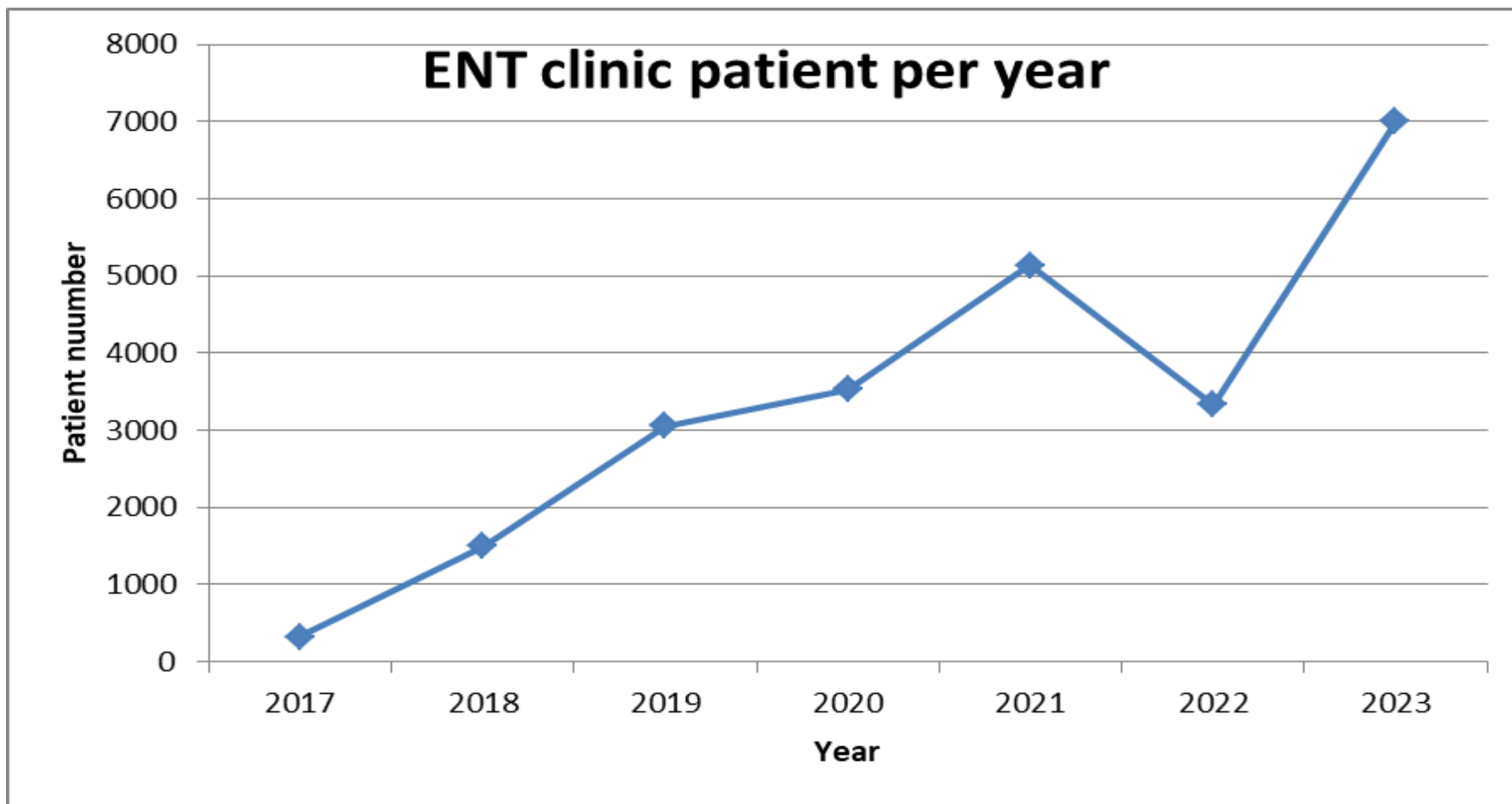
Ear foreign body



Ear discharge



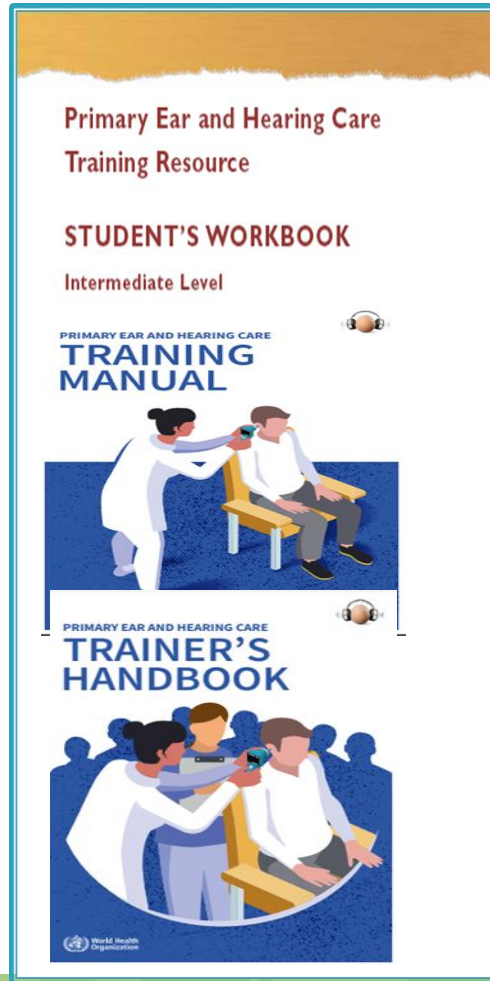
ENT Clinic of Samoa





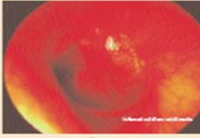




Providing Hearing Aids for Adults: hosting a visiting team from NZ



PRIMARY EAR and HEARING CARE BOOKLET



<p><i>module 1</i> Structure and function of the ear</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Explain why hearing is important • Recognise and name the parts of the ear • Explain the function of the ear • Explain the path sound travels through the ear • Explain how people hear <p>13</p>	<p><i>module 2</i> Hearing impairment and deafness: causes and prevention</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Identify and explain common causes of hearing impairment • Describe the risk factors for hearing impairment • Explain hearing impairment prevention measures • Explain the different types of hearing impairment • Explain the different levels of hearing impairment <p>27</p>	<p><i>module 3</i> The outer ear: examine, treat, refer</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Demonstrate examination of the pinna • Describe or demonstrate use of an otoscope • Describe or demonstrate assessment of the ear canal • Describe problems of the outer ear • Describe the treatment or referral of problems of the outer ear <p>33</p>	<p><i>module 4</i> The ear canal: examine, diagnose and clean</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Make and use a dry swab to clean the ear canal • Make and use a wick to clean the ear canal • Demonstrate the use of a syringe to remove wax and/or foreign bodies • Describe putting in earplugs <p>39</p>
<p><i>module 5</i> The middle ear: examine, diagnose and treat</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Demonstrate / describe examination of the middle ear using an otoscope • Describe the common middle ear problems • Describe the treatment approaches of the common middle ear problems • Describe the importance of middle ear disease • Describe the common referral of the common middle ear problems <p>43</p>	<p><i>module 6</i> Assessing hearing and counselling</p>  <p>By the end of this module the Health Care Worker should be able to:</p> <ul style="list-style-type: none"> • Describe the hearing hearing difficulties in adults • Describe the hearing hearing difficulties in children aged 3 - 6 years • Describe the hearing hearing difficulties in adults and older children • Explain the nature of screening hearing difficulties • Describe the counselling of persons with hearing impairment and their families • Describe the hearing and/or visual aids <p>51</p>	<p><i>module 7</i> Hearing aids</p>  <p>By the end of this module the Health Care Workers should be able to:</p> <ul style="list-style-type: none"> • Explain the basic concept of hearing aids • Understand the features of BTE and ITE hearing aids • Match and check the hearing aid to BTE and ITE hearing aids • Understand the importance of maintenance and how they fit into the ear • Describe the counselling of persons with hearing impairment and their families • Identify the basic care and maintenance of BTE and ITE hearing aids • Identify simple tools for BTE and ITE hearing aids and prepare a solution <p>57</p>	



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Primary Ear and Hearing Care Training



PEHC Training TTM 2021



PEHC Training
Savaii 2022

- **74 total of participants**
- **12 doctors**
- **58 nurses (TTM, Savaii, Community)**
- **4 Senese staff, medical student**



PEHC Training
Dist Hosp 2022



PEHC Training
Dist/TTM Hospital 2023

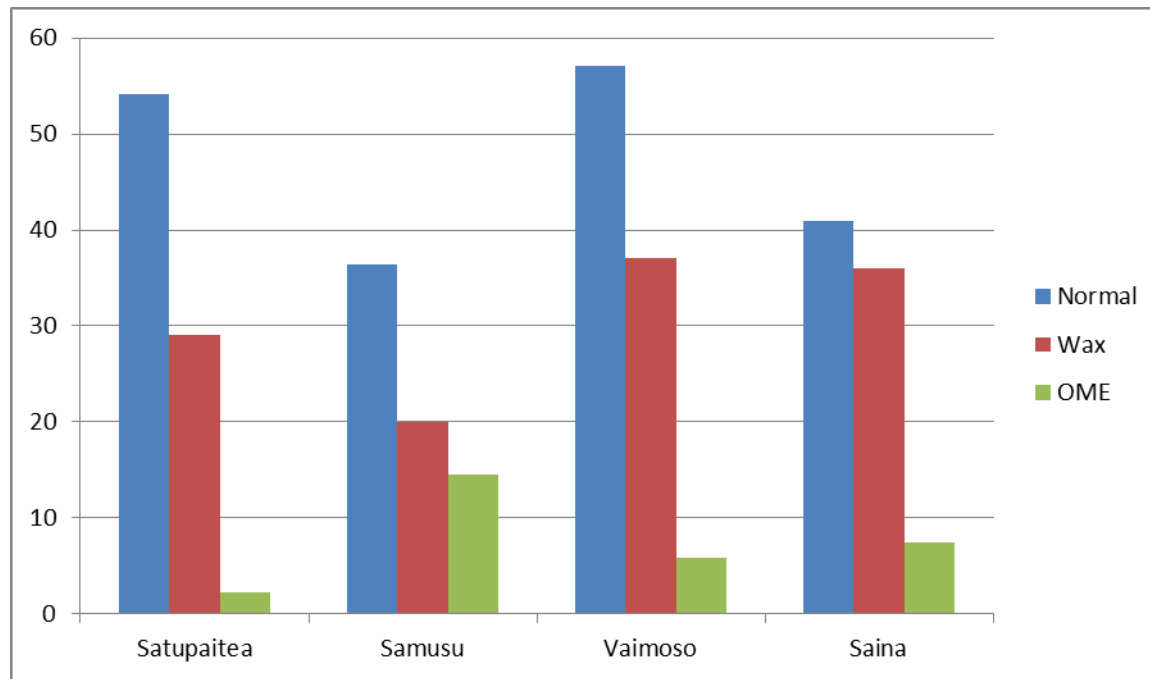
SCHOOL OUTREACH SCREENING

- 1343 primary school students seen for ear examination
- 49.2% had normal ear examination results for both ear
- 50.8% require ENT intervention
- Most common ear pathology was ear wax (31.5%)
- Followed by ear glue 5%
- CSOM 2.3%



School Outreach Visits (4 Primary Schools 2022-2023)

School	Satupaitea	Samusu	Vaimoso	Saina
Total student	368 (191M:177F)	110 (57M: 53 F)	420 (207M:213F)	445 (226M:219F)
Age group				
5 –9	226	51	194	224
10–14	128	57	220	196
Normal ears	199 (54.1%)	40 (36.4%)	240 (57.1%)	182 (40.9%)
Pathology	165 (44.9%)	70 (63.6%)	223 (53.1%)	263 (59.1%)
One ear	50 (13.6%)		79 (18.8%)	75 (16.9%)
Both ears	115 (31.3%)		144 (34.2%)	188 (42.4%)
Wax	107 (29%)	22 (20%)	135 (37.1%)	160 (36.0%)
Otitis media with effusion	8 (2.2%)	16 (14.5%)	25 (5.9%)	33 (7.4%)
CSOM	3 (0.8%)	8 (7.3%)	7 (1.7%)	13 (3%)





Savaii Primary School



Upolu Primary School
Urban Area



Upolu Primary School
Rural Area



ENT and AUDIOLOGY RESEARCH

ENT nurse Ferila Figao performed all the interviews with the mothers for this studies.

Awareness and perception of university nursing students in Samoa towards childhood hearing impairment and hearing healthcare. Across sectional study.



International Journal of Pediatric
Otorhinolaryngology
Volume 169, June 2023, 111557



Collaboration with the School of Nursing at the National University of Samoa to guide curriculum development of our nurses.

Knowledge and attitudes of female caregivers in Samoa to childhood hearing loss and hearing services

Annette Kaspar^{a,b}  , Ferila Figao^a, Carlie Driscoll^b, Sione Pifeleti^a

Z Tamanca & Tupaia – Electronic medical record

Tamanca

File View Help

- tamanca
- Patients
- Scheduling
- Medication
- Imaging
- Labs
- Immunisation
- Programs
- Facility admin

Dr Sione Pifeleti
TTM Hospital
Version 1.26.1 [Log out](#)

Patient listing

Recently Viewed

Patient search

NHN

Search NHN

Sync NHN

QACA959167
OINC575371
BGFG964246
WHGR703788

Tupaia

MAP O

Total

Reset

0

Top diagnoses by ICD10 block for ENT clinic encounters, TTM Hospital

Sep 2023
Reset to default

Previous
Number of Encounters
Next

4th Sep 2023			
Diseases of middle ear and mastoid		93	
Diseases of external ear		28	
Other disorders of ear		7	
Effects of foreign body entering through natural orifice		3	
Symptoms and signs involving the circulatory and respiratory systems		3	

Challenges to further development of ENT Clinic

- Ministry Health Budget for ENT Clinic
- ENT Nursing Staff Retention
- ENT Nursing Staff Training, and Recognition



Future Direction and Opportunities

- Formal Training and Pathway for ENT specialist nurses
- Clinical attachments in Fiji, New Zealand and Australia for ENT nurses
- On –going growth and development of the ENT Clinic
- Partnerships with New Zealand for providing hearing aids to adults



Take Home messages

- Ear disease and hearing loss is a major public health issue in the Pacific Island
- ENT Services in Samoa and the Pacific are growing and developing
- It is a very exciting time to be an ENT Nurse





THANK YOU FOR LISTENING

