

Health Information Management Systems Initiative/Regional Epi Unit Update

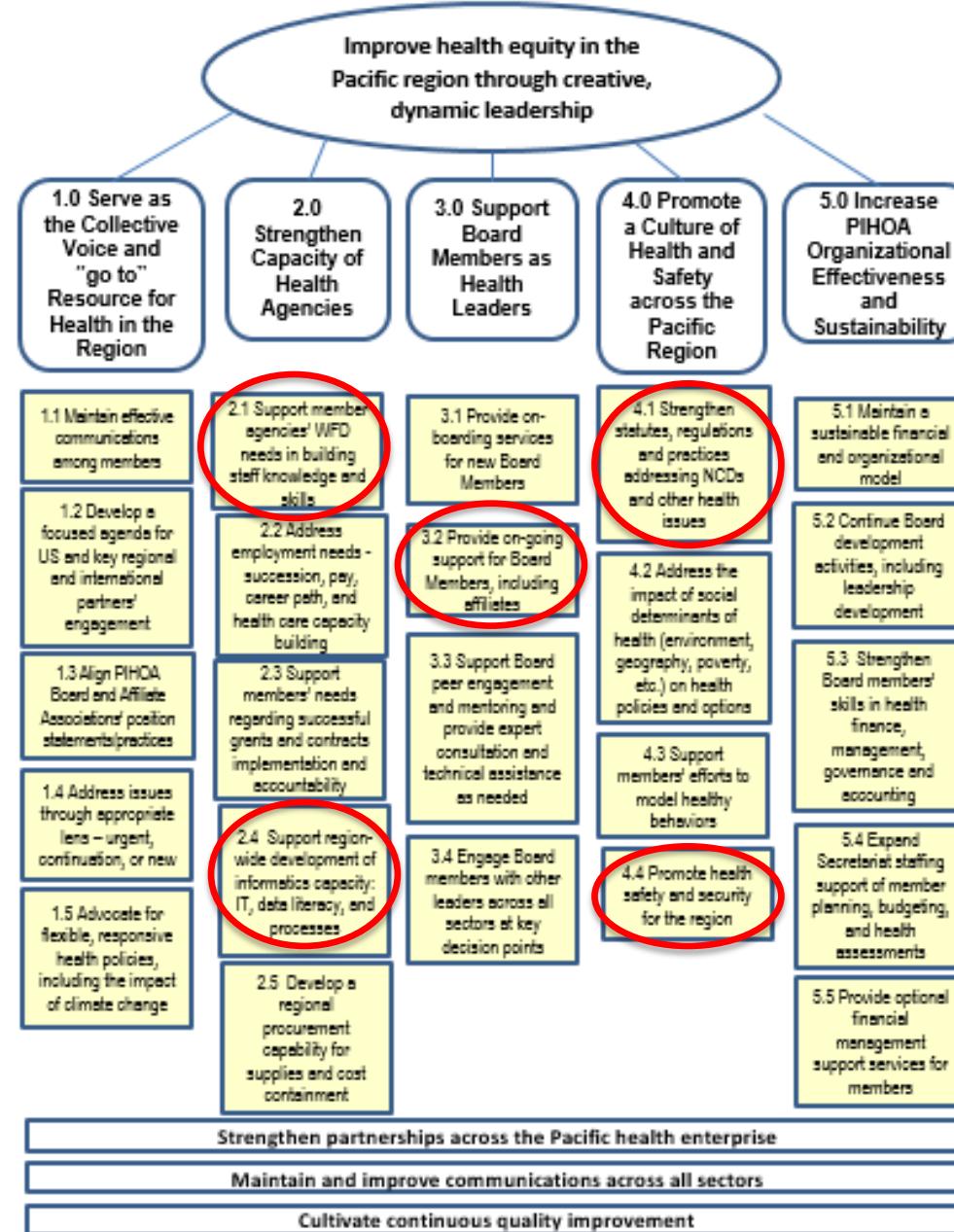
March 2019, Palau



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PIHOA Strategic Framework 2018-2022



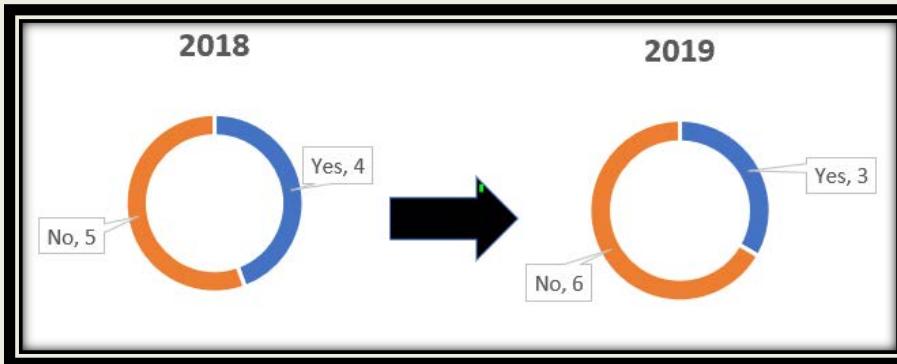
PIHOA HIS-PM Strategy

- Develop data-literate workforce
→ DDM-SHIP
- Develop surveillance & routine reporting systems
→ DDM-SHIP (immediate focus-
NCD M&S, CD Surveillance, KPIs, CHC UDS)
- Develop Informatics & IT applications
→ Consultations & contracts
- Develop partnerships for HIS & PM
→ PPHSN, MANA,
Bilat partnerships (ASTHO, WHO, SPC, CDC, FNU, UH)
- Provide customized assistance to our members
→ DDM consultations, Extension services on request

Disease Surveillance & Response Systems

- SOPs/Monitoring & Surveillance Plans
- Weekly CD surveillance reports
- Situational reports for Outbreaks
- After Action Reviews of PH Emergencies
- NCD profiles & MANA dashboards

Youth NCD Risk Factor Surveys (in past 2 years)



Pohnpei State High School NCD Questionnaire

Students will first be interviewed and measured by trained NCD Survey Staff to complete questions 1-11 in the shaded box. Then, students will complete questions independently, and then submit forms into a designated box. No names are to be collected.

SECTION 1: To be completed by NCD Survey Staff:

1. Date (M/D/Y): _____/_____/_____

2. Name of School: _____

3. Grade: 9 10 11 12 (circle one)

4. Name of Class or Section: _____

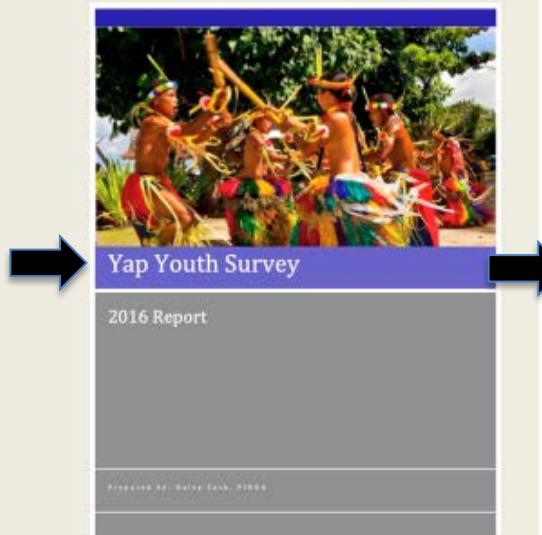
5. Gender: Male Female (circle one)

6. Age (years) _____ years

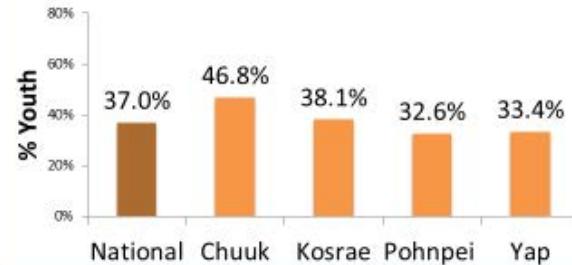
7. Residence (Municipality): _____

8. Blood Pressure
1st Reading: _____/_____
2nd Reading: _____/_____
9. Staff Member Initials: _____

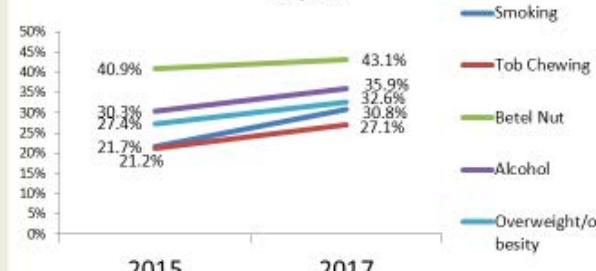
10. BMI Height: _____ inches
Weight: _____ pounds
11. Staff Member Initials: _____



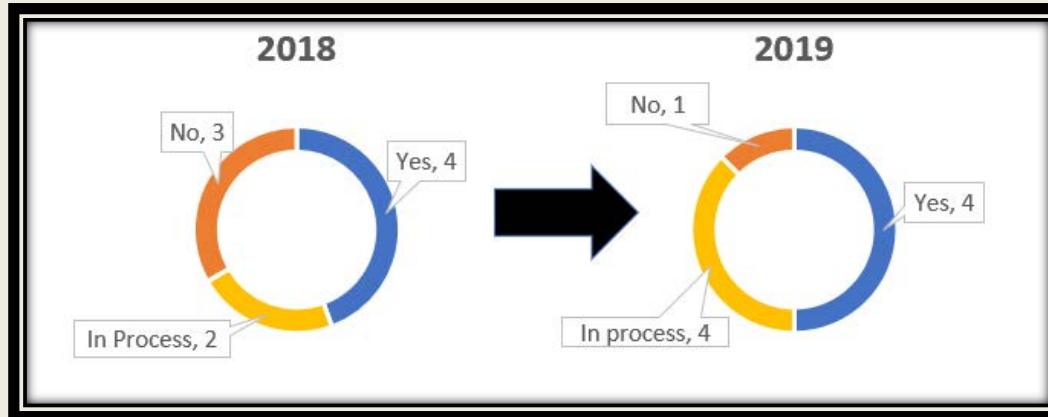
Overweight/obesity among youth in FSM, 2017



Youth Trends in Pohnpei, 2015-2017



Adult NCD Risk Factor & Disease Surveys (in past 5 years)



NCD Core Data Updates Since March, 2018

Completeness based on the USAPI NCD Monitoring and Surveillance Framework

USAPI NCD Core Surveillance Indicators*	Tobacco		Alcohol		↑BMI		Diseases (adult)		Deaths (30-69 years)		Chronic Lung
	HTN	DM	↑Cholesterol	Cancer	All Cause						
Am Samoa	-	✓	-	✓	-	✓	-	✓	✓	✓	✓
CNMI	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
FSM	Chuuk	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Kosrae	✓	-	✓	-	✓	-	✓	-	✓	✓
	Pohnpei	✓	-	✓	-	✓	-	✓	-	✓	✓
	Yap	✓	-	✓	-	✓	-	✓	-	✓	✓
Guam	✓	✓	✓	-	✓	✓	-	-	-	✓	✓
Palau	-	✓	-	✓	-	✓	-	✓	✓	✓	✓
RMI	-	✓	-	✓	-	✓	-	✓	✓	-	✓



= Data up to date



= Data not up to date



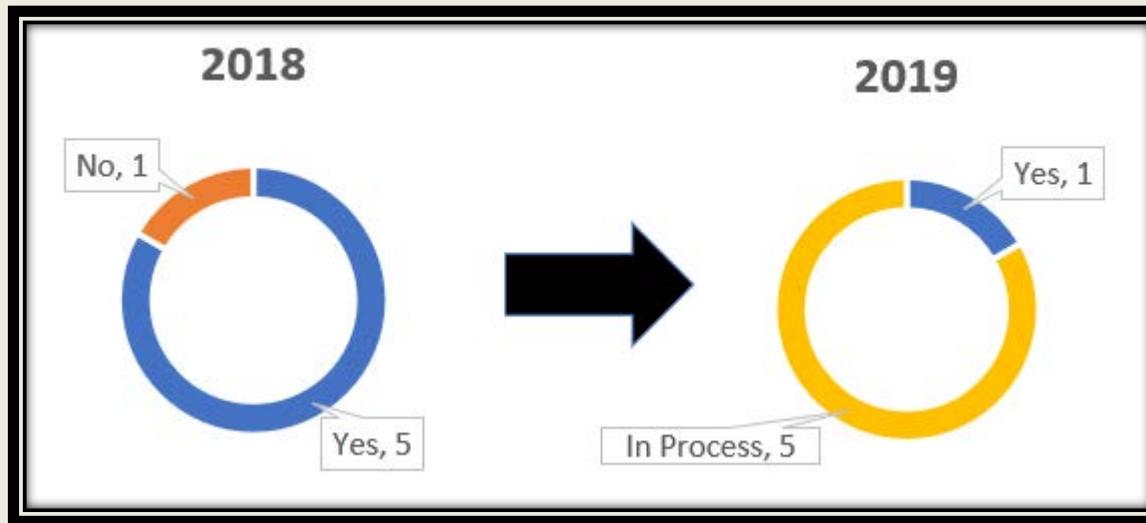
= New, past 6 mos



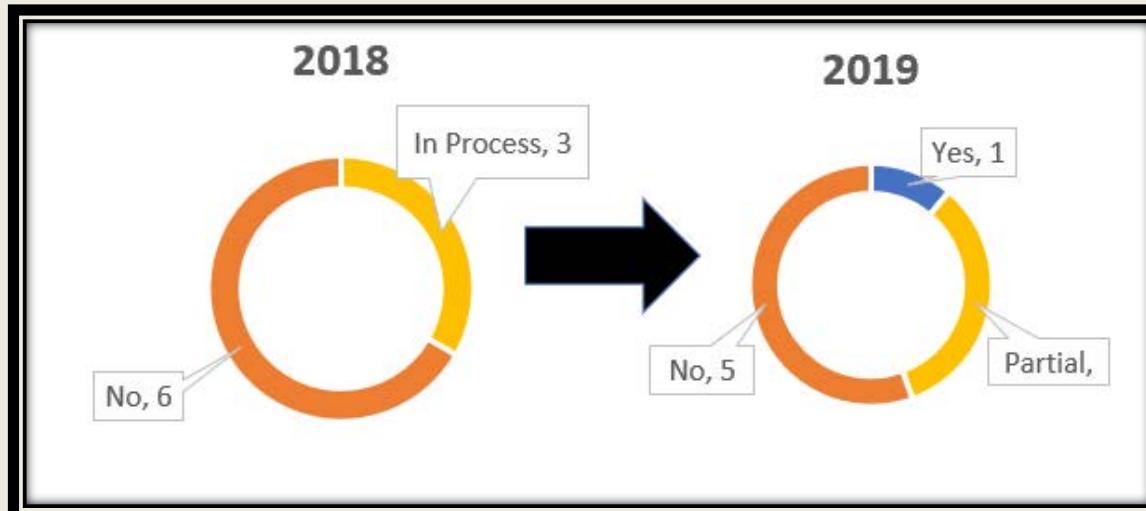
= Upcoming in next 6 mos

72% Up to Date (of 144)

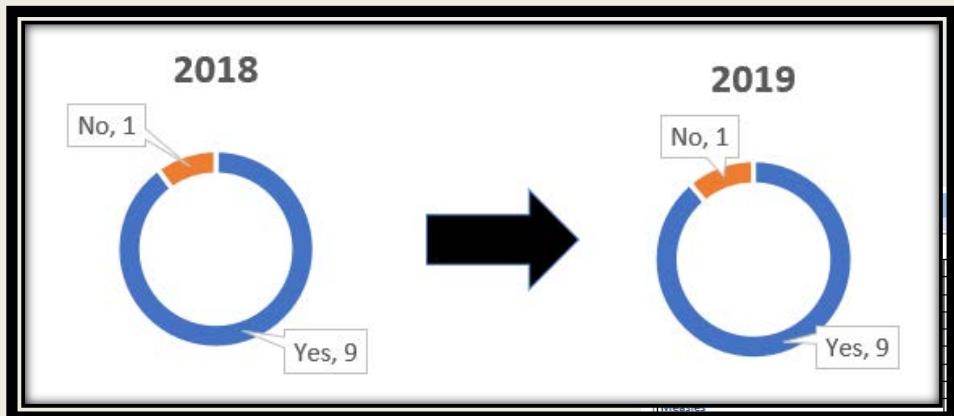
NCD Policy Mapping & MANA Dashboards



NCD Clinical Care Monitoring (Public Sector)

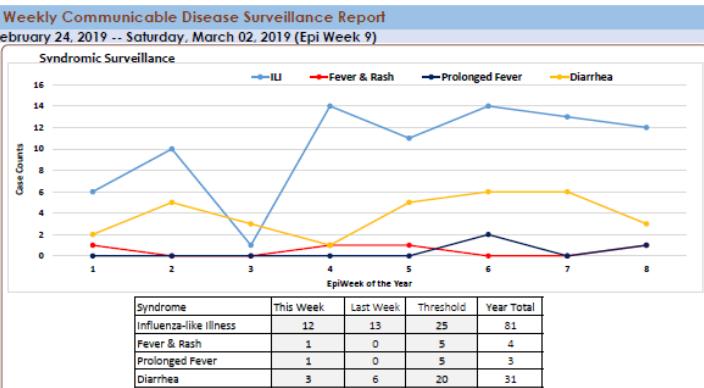


Weekly Communicable Disease Surveillance Reports



	This Week	Yearly Total
Meningitis	0	0
Meningococcus	0	0
MERS Co-V	0	0
Mumps	0	0
Pertussis	0	1
Plague	0	0
Polio/Acute flaccid paralysis	0	0
SARS	0	0
Typhoid	0	0
Zika	0	0
Group B: Report within 48 hrs		
Amebiasis	0	0
Chlamydia	0	0
Encephalitis	0	0
Enterohemorrhagic E. Coli	0	0
Giardia	0	0
Gonorrhea	0	4
Hansen's Disease	0	0
Haemophilus influenza (invasive disease)	0	0
Hepatitis B (acute and perinatal)	0	0
Hepatitis C (acute)	0	0
HIV	0	0
Influenza (pediatric deaths)	0	0
Lymphatic Filariasis	0	0
Malaria	0	0
Rheumatic Heart Disease	0	1
Rubella	0	0
Salmonellosis	0	4
Shigella	0	0
Syphilis	0	0
Strep, Group A (pyogenes)-invasive disease	0	0
Strep pneumonia -pediatric (<5 years) disease	0	0

Source: EHR queries developed by the LBI MIS team using ICD-10 diagnostic codes from LBI Hospital and Community Health Centers.
Some cases are undergoing verification by DoH Surveillance Office, so numbers may change.



Event-Based Surveillance

Event-based Surveillance is based upon the reporting of unusual public health events directly to the DoH Surveillance Office. This includes reports of unusual illness, unexpected outcomes, and clusters of disease by health care providers.

Most recent events reported to Surveillance Office

Date	Designation	Description	Investigation Status

Produced by the American Samoa Department of Health Surveillance Office.
Data collected with the assistance of LBI Hospital's MIS Team and the territory's health care providers.
Please contact the Surveillance Office through e-mail () or phone () .

NCD Progress Update

USAPI NCD Core Surveillance Indicators*	Tobacco	Alco- hol	↑BMI	Diseases (adult)	Deaths (30-69 years)		# better vs. worse
					All Cause	Chronic Lung	
Am Samoa	↓ ↓ ↑ - ↓ ↑ ↑ ○ ↑ ↓ ↓				○ ○ ○ ○ ○ ○		2 vs 2
CNMI	↓ ○ ↓ ○ ↓ - ↑ - - -				○ ↑ ↑ ○ ○ ↓		4 vs 3
FS	Chuuk	- ○ - ↓ - ○ - ↓ ↓ - ↓			○ ↑ ○ ○ ○ ○		0 vs 5
	Kosrae	○ - ○ - ↓ - ○ - - -			○ ○ ○ ○ ○ ○		1 vs 1
	Pohnpei	↑ - ↑ - ↑ - ↑ - - -			○ ○ ○ ○ ○ ○		0 vs 3
	Yap	○ ○ ○ ○ ○ ○ ○ ↓ ↑ -			○ ○ ○ ○ ○ ○		1 vs 5
Guam	↓ ○ ○ - ↓ ↑ ↑ ○ ↑ ↑ ↑				○ ○ ○ ○ ↓		3 vs 7
Palau	↓ ↑ ↓ ↓ ↓ ○ ○ ↓ ↓ ○ ○				↑ ↑ ↑ ↑ ↑ ○		6 vs 5
RMI	○ ○ ↑ ↑ - ↑ - ↑ ↑ ↑ ↓				↓ ↑ ↓ ↓ ↓		0 vs 1
Number improved vs. worse	4 0 2 1 5 0 0 1 2 0 0 0 0 0 0 2 vs vs				0 1 2 0 0 1 3 0 1 2 1 5 6 6 2 2		

- USAPI NCD Core Monitoring and Surveillance Summary Matrix
- Based on current version of the USAPI NCD Monitoring and Surveillance Framework

Out of 144
Measurements:

28 – Improved (green)
32 – Worsened (red)
54 – No Change (Yellow)
30 – Insufficient Data

MANA Report

STATUS OF NCD POLICY AND LEGISLATION IN PACIFIC ISLAND COUNTRIES AND TERRITORIES, 2018

PREPARED BY

THE PACIFIC MONITORING ALLIANCE FOR NCD ACTION

Pacific MANA Dashboard:

Country: Palau

Completed by: Candace, Dioreme Navarra, Suzette Brikul, Haley Cash, Mark Curand

Reviewed by:

Endorsed by (designation):

Category: Indicators	2017	2019
Leadership and governance		
L1. Multi-sectoral NCD taskforce	★★★	★★★
L2. National strategy addressing NCDs and risk factors	★★	★★
L3. Explicit NCD indicators and targets	★★★	★★★
Preventive policies		
Tobacco		
T1. Tobacco excise taxes	★★★	★★★
T2. Smoke-free environments	★★	★★
T3. Tobacco health warnings	★★	★★
T4. Tobacco advertising, promotion and sponsorship	★★★	★★★
T5. Tobacco sales and licencing	★★★	★★★
T6. Tobacco industry interference	★★	★★
Alcohol		
A1. Alcohol licencing to restrict sales	★★★	★★★
A2. Alcohol advertising	★★	★★
A3. Alcohol taxation	★★	★★
A4. Drink driving	★★	★★
Food		
F1. Reducing salt consumption	★	★
F2. Trans-fats		
F3. Unhealthy food marketing to children	NA	NA
F4. Food fiscal policies	★★	★★
F5. Healthy food policies in schools	★★	★★
F6. Food-based dietary guidelines	★★	★★
Physical Activity		
P1. Compulsory physical education in school curriculum	★★	★★
Enforcement		
E1. Enforcement of laws and regulations related to NCD risk factors	★★	★★
Health system response programmes		
H1. National guidelines for care of main NCDs	★★	★★
H2. Essential drugs	★★	★★
H3. Smoking cessation	★	★★
H4. Marketing of breast milk substitutes	★★★	★★★
H5. Baby friendly hospitals		
H6. Maternity leave and breastfeeding		
Monitoring		
M1. Population risk factor prevalence surveys - adults	★★	★★
M2. Population risk factor prevalence surveys - youth	★★★	★★★
M3. Child growth monitoring	★	★
M4. Routine cause-specific mortality	★★	★★



NCD Summary

Surveillance is improving –
getting a clearer picture of
situation & trends*

Seeing recent progress in
policy response
in some jurisdictions

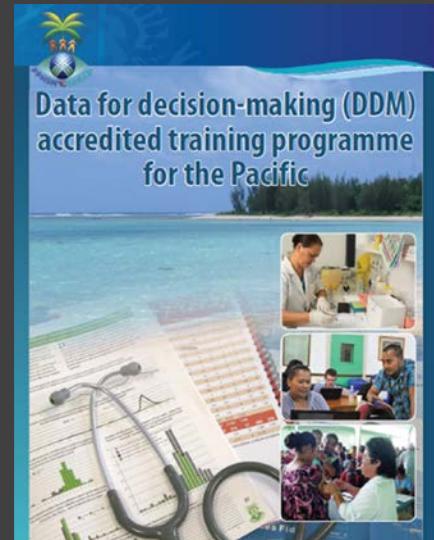
***Thanks to:**

*Your staff → M&S Plans, High
School Surveys*
*CDC, WHO, SPC, ASTHO, DOI,
SAMHSA → Support hybrid surveys*

Completing DDM since September



RMI- Ebeye

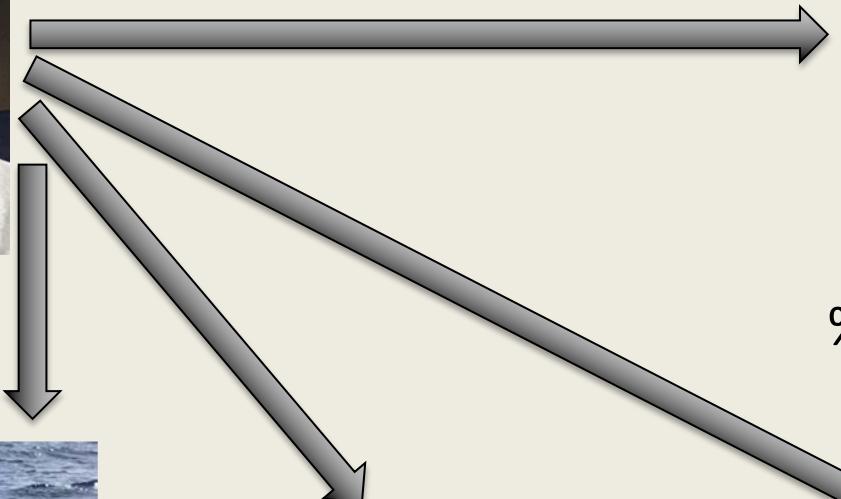


Palau



Palau	Pohnpei	American Samoa	FSM DHSA
- Mindy Sugiyama	- Delpihn Abraham	- Anaise Uso	Alynn Lambert
- Irish Tutii	- Wefonne Billen	- Astrid Johannsson	Augustine Sue
- Israella Reklai	- Stephanie Kapriel	- Faleu Pule	Cecilia Primo
- Suzette Brikul	- Aileen Mauricio	- Leima Hunt	Eliashib Edward
- Monaliza Melayong	- Juveena Jose	- Lepulu Sunia	Juveena Jose
- Elchesel Wilfred	- Artina George	- Kima Savusa	Selma Primo
- Selma August		- Salote Fanene	Eliaser Johnson
- Sheila Tmarsel		- Pine Semisi	CNMI
- Landon Decherong	- Maria Marfel	- Reupena Sheck	- Doris Cruz
- Carmin Pipit	- Iris Palemar	- Roseann Hunkin	RMI-Majuro
- Samara Kloulubak	- Agnes Matinag	- Senira Tuilagi	- Francyne Wase-Jacklick
- Shellvie M. Emiliano	- Ritchie Wichilib		- Edlen Anzures
Kosrae – Shiro Sigrah	- Jaquelyn Lefagoyal		- Dr. Aina Garstang
- Cecilia Sigrah	- Paula Mitmow	- Mary Grace Rosadino	- Suzanne Philippo
- Rose Joe	- Daisy Gilmamatam	- Estelle Ada	- Melvin Mellan
- Robina Waguk		- Cynthia Naval	- Molly Murphy
- Suzie Benjamin	- Yoster Ychiro	- Arlie Bonto	- Daisy Pedro
- Jacoline Palik	- Boone Rain	- Alyssa Uncangco	- Neiar Kabua
- Andirson Andrew	- Sistine Rain	- Grace Bordallo	- Cendaniel Milne
- William William	- Alexandria Mailo	- Chris Surla	RMI- Ebeye
- Carsila Tosie	- Mayleen Dungawin	- Annette Aguon	- Johnny Choban
	- Marlyn Finik	- Bertha Taijeron	- Hitchfield, Neal
	- Mary Jo Hartman	- John Dizon	- Bejang, Joe
	- Maurita Bualuay	- Vince Aguon	- Hauma, Maretta
	– Diane Marar	- Toni Junious	- Malia Samson-Langidrik
	– Inou Shomour	- Helene Paulino	- Valotu, Ana
	– Perty Lodge		- Balos, Jorbi

QI Program SOPs & Reporting Template



Malia Langidrik



Michael Patrick



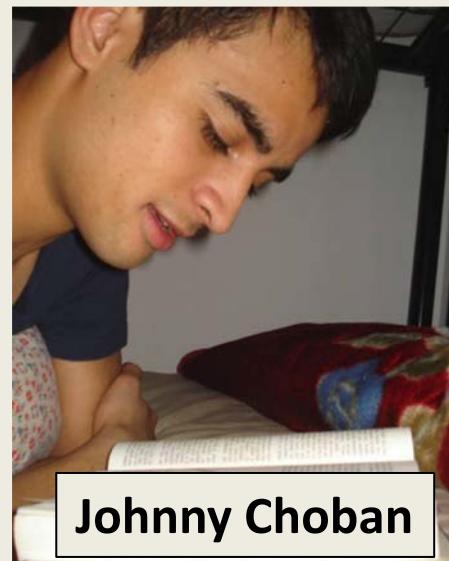
% of medical supply items in stock: 57% → 70%

Dr Jake Nasa



% all diabetics screened for latent TB infection: 0% → 25%

Johnny Choban



% purchase orders completed all steps on time: 36% → 75%

Joe Bejang



% all diabetics up-to-date for foot care: 10% → 23%

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November 2018, Volume 77, No. 11, ISSN 2165-8218



High Prevalence of Non-Communicable Disease Risk Factors among Adolescents in Pohnpei, Micronesia

Delphine Abraham BPH; Haley L. Cash PhD, MPH; A. Mark Durand MD, MPH;
Justin Denholm PhD, MPHTM, MBioethics, BMed; Ada Moadsiri DrPH;
Sameer Vali Gopalani MPH, BA; and Eliaser Johnson DCHMS

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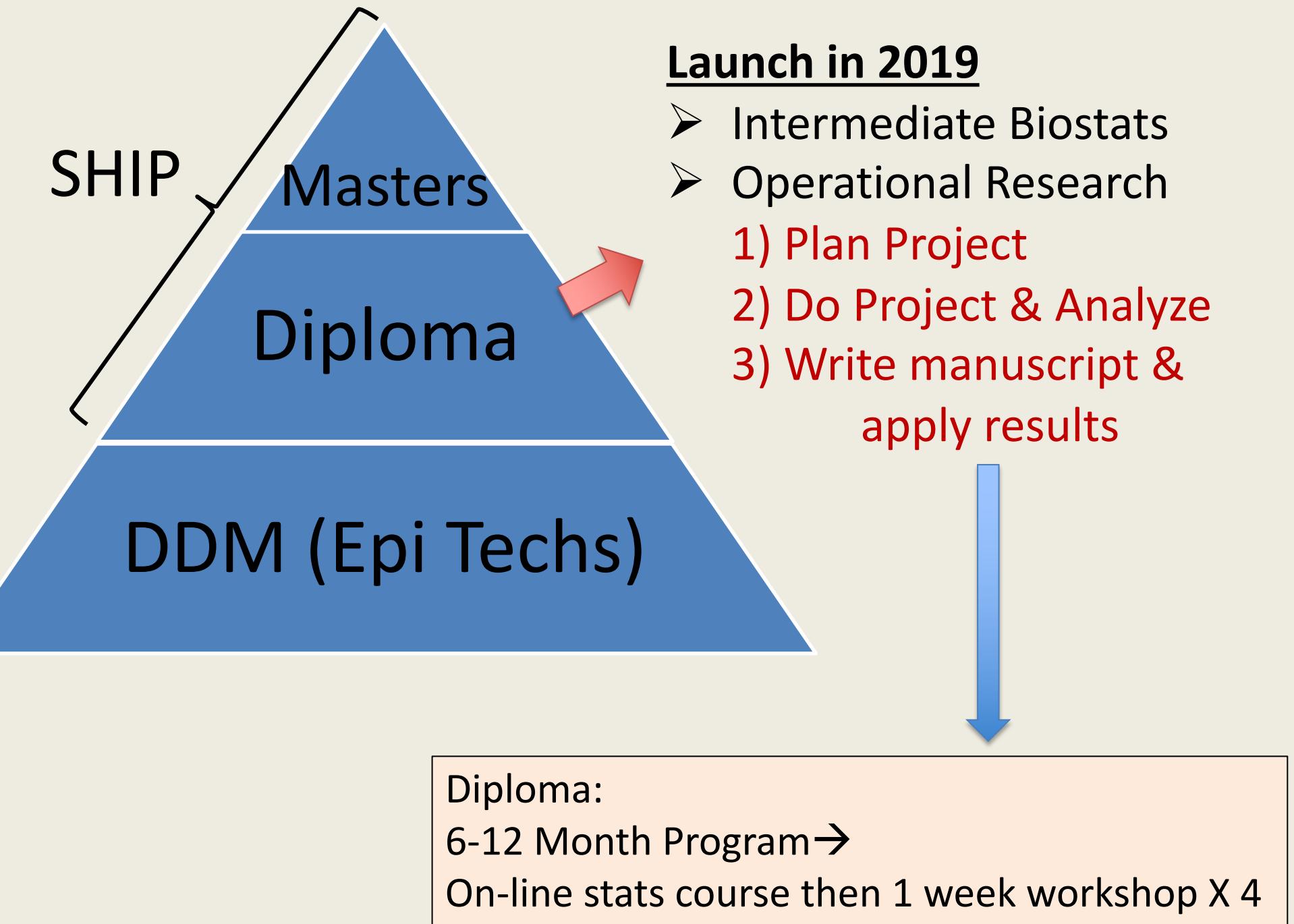
Breast and Cervical Cancer Screening in Palau: Have We Improved Early Detection and Survival?

Irish M. Tutii; Christine Roseveare MPH; Kerri Viney PhD, MPH; Haley L. Cash PhD, MPH; Tmong Udui MPH; and Edolem Ikerdeu MA

Assessment of Gestational Diabetes and Associated Risk Factors and Outcomes in the Pacific Island Nation of Palau

Mindy S. Sugiyama¹  · Haley L. Cash² · Christine Roseveare³ · Rumi Reklai¹ ·
Kliu Basilius¹ · Sherilynn Madraisau¹





Items for Board Consideration

Next Steps DDM & Diploma Level SHIP

Options (**SHIP**):

- > Clinical care monitoring → QI
- > Vital Stats improvement & use
- > Preparedness & Health Security (e.g. Antimicrobial Resis)
- > Improving targeting & use of data for MCH, TB/STI, etc.
- > Other

Options (**DDM**):

- > DDM every 2-3 years
- > QI Program focused DDM cohorts
- > “Topical” DDM cohorts (e.g. MCH, STI/Hepatitis/HIV)



Request: Advocate at Heads of Health for SHIP with FNU

Sulang!



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