

Health Information Management Systems Initiative/Regional Epi Unit Update

March 2019, Palau



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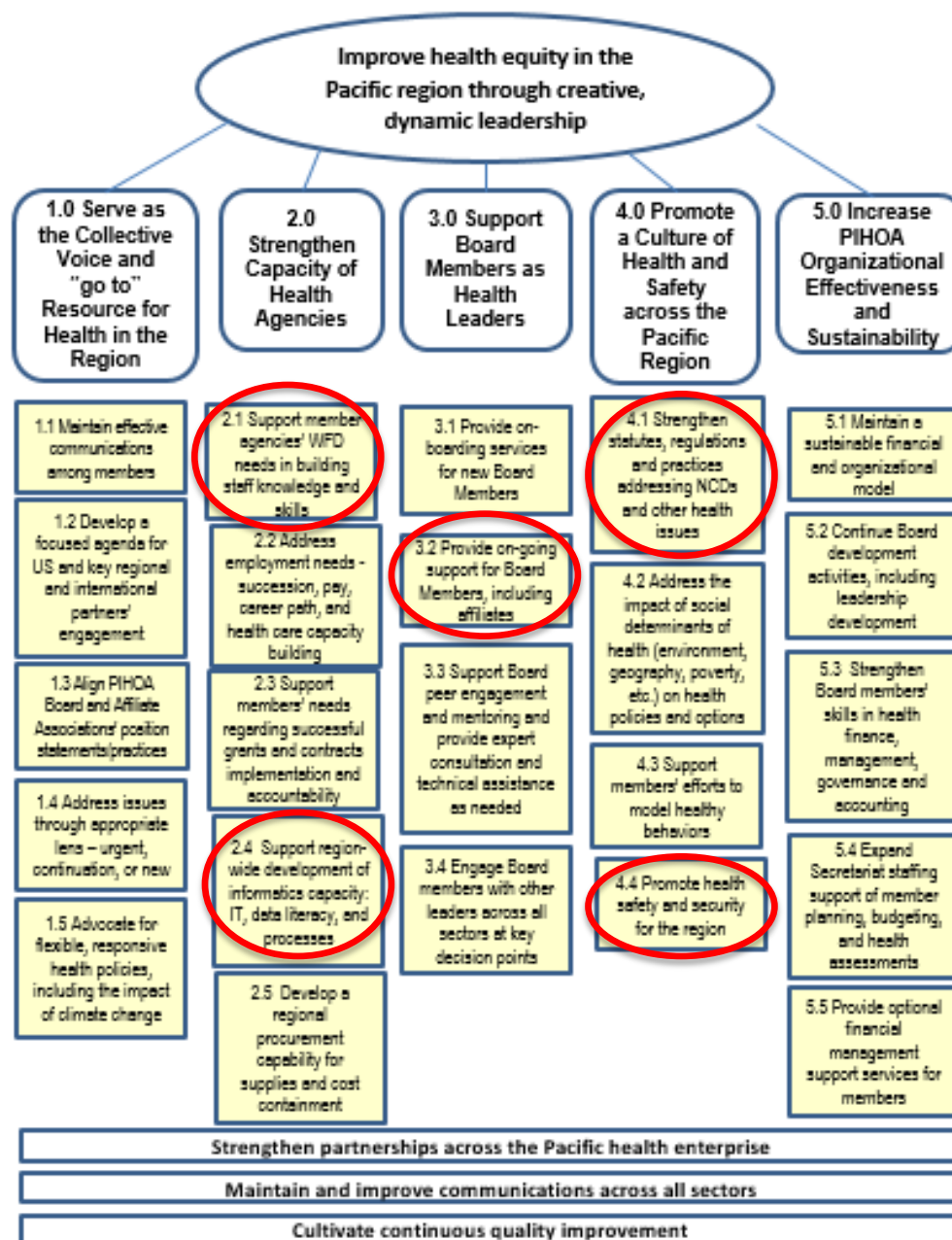
Thane Hancock

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A Mark Durand

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PIHOA Strategic Framework 2018-2022



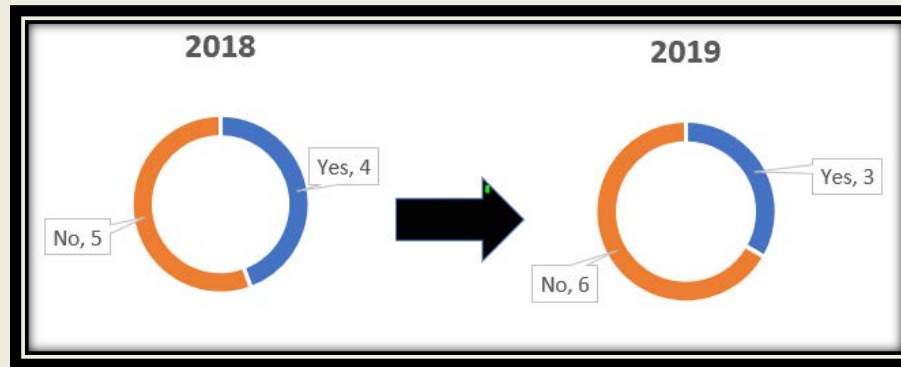
PIHOA HIS-PM Strategy

- 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.**

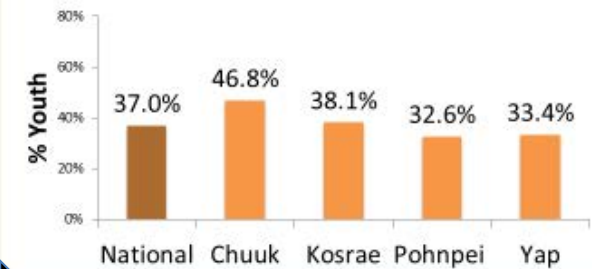
SECTION 1: To be completed by NCD Survey Staff:

- Date (M/D/Y): _____
- Name of School: _____
- Grade: 9 10 11 12 (circle one)
- Name of Class or Section: _____
- Gender: Male Female (circle one)
- Age (years): _____ years
- Residence (Municipality): _____
- Blood Pressure
1st Reading: ____/____
2nd Reading: ____/____
- Staff Member Initials: _____

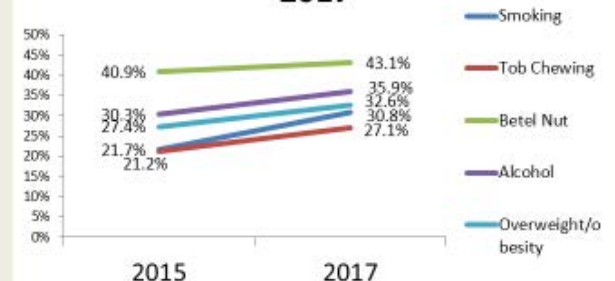
- BMI
Height: _____ inches
Weight: _____ pounds
- Staff Member Initials: _____



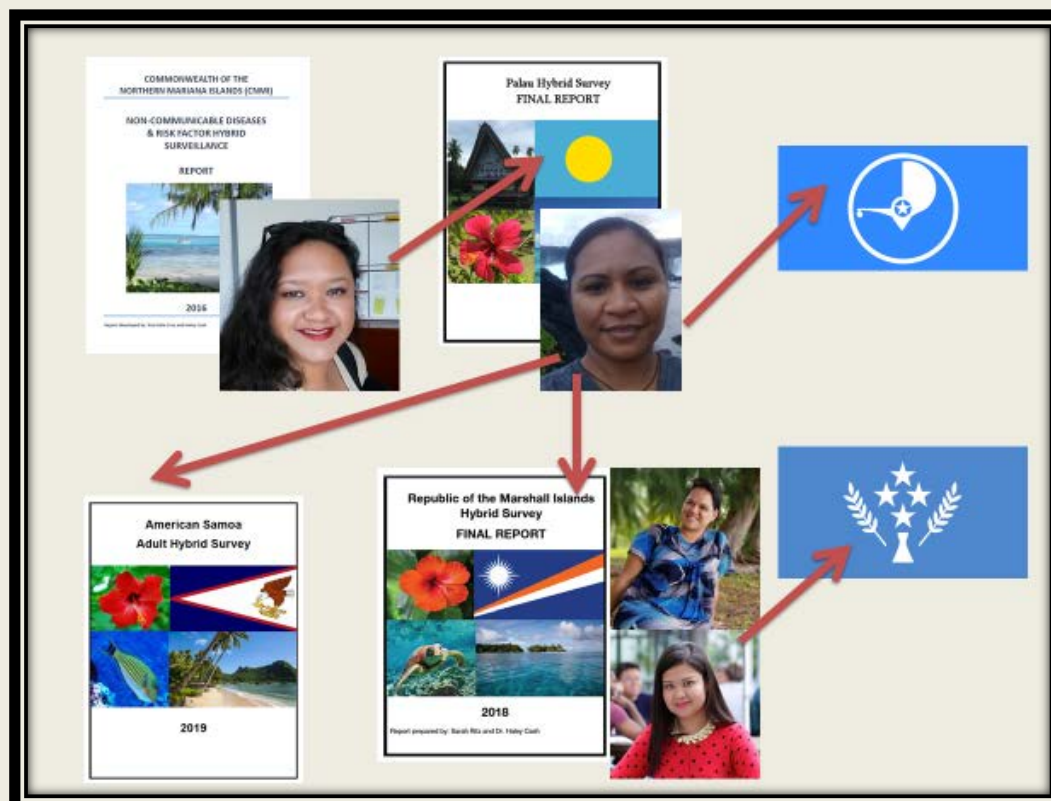
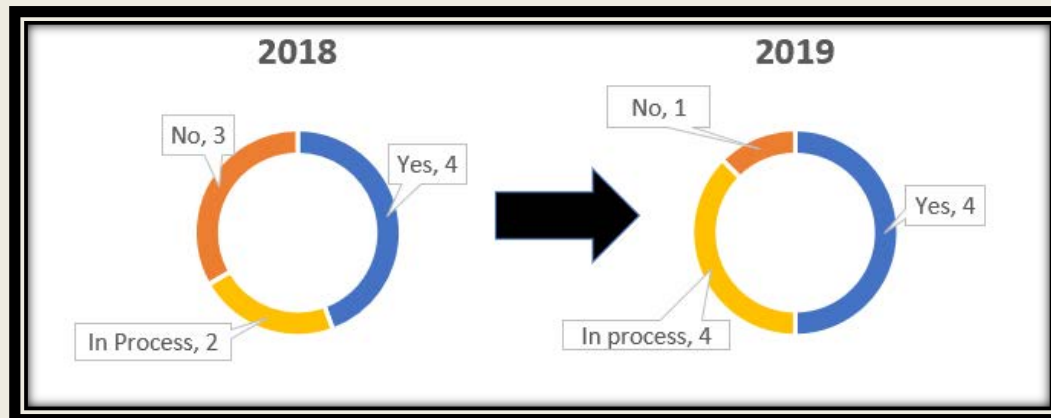
Overweight/obesity among youth in FSM, 2017



Youth Trends in Pohnpei, 2015-2017







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



NCD Core Data Updates Since March, 2018

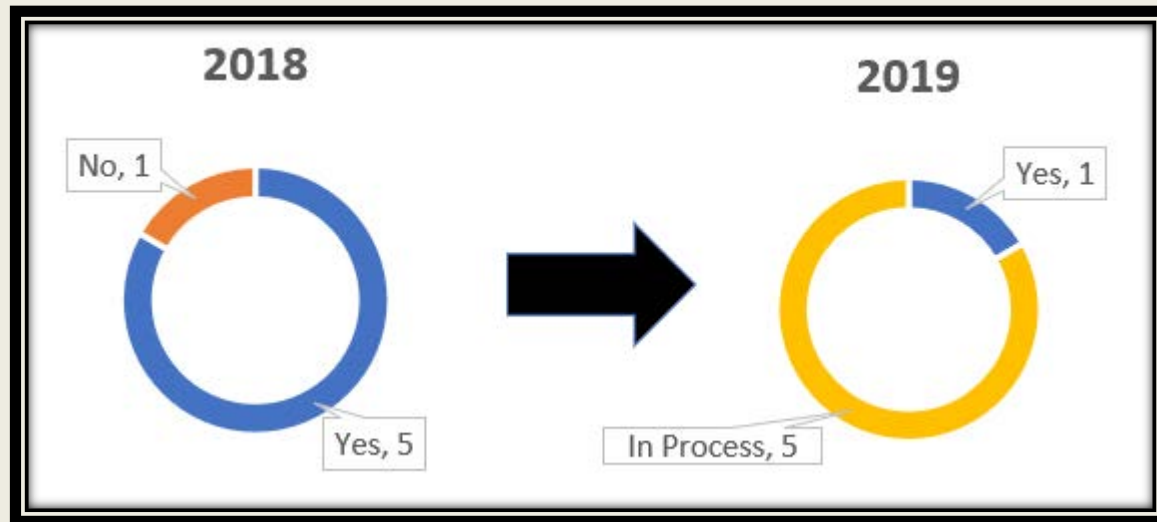
Completeness based on the USAPI NCD Monitoring and Surveillance Framework

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

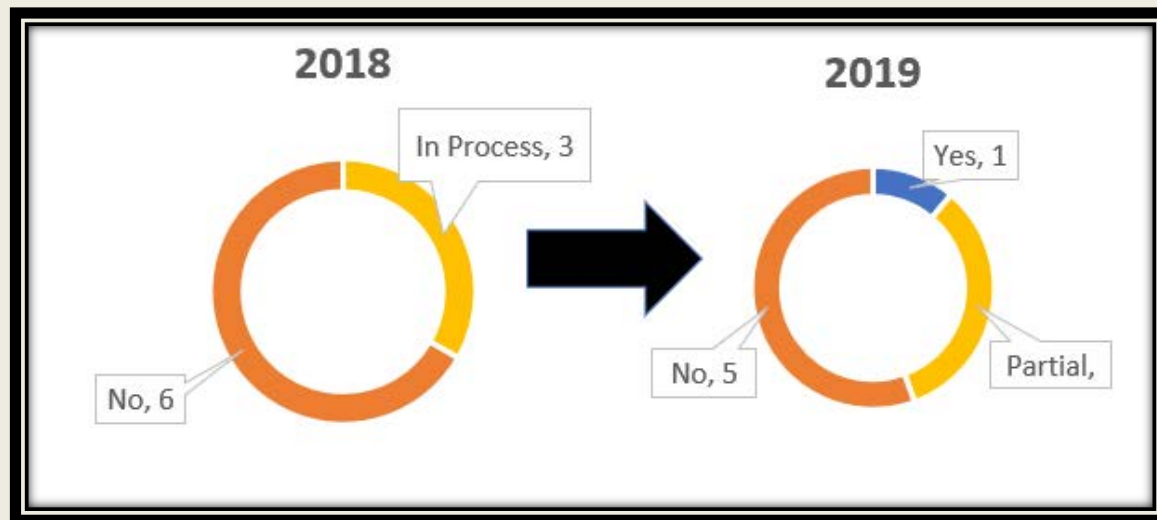
 = Data up to date
  = Data not utd
  = New, past 6 mos
  = Upcoming in next 6 mos

72% Up to Date (of 144)

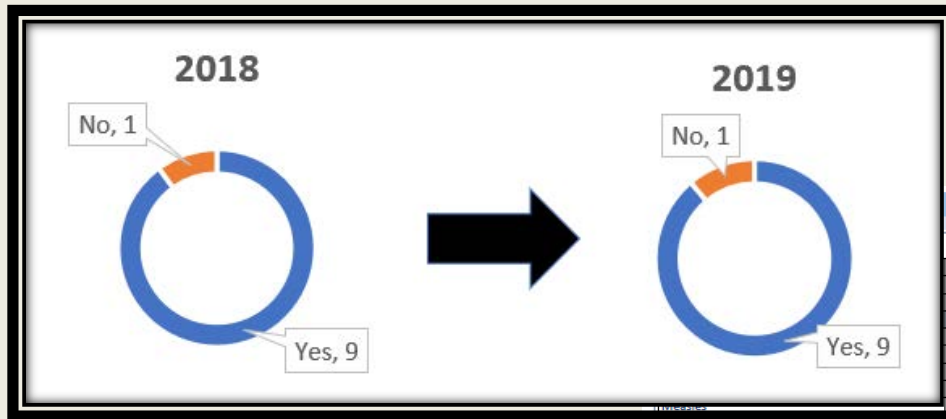
NCD Policy Mapping & MANA Dashboards



NCD Clinical Care Monitoring (Public Sector)



Weekly Communicable Disease Surveillance Reports

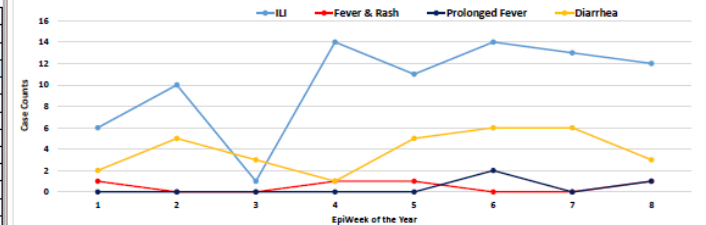


	This Week	Yearly Total
Measles	0	0
Meningitis	0	0
Meningococcus	0	0
MERS Co-V	0	0
Mumps	0	0
Pertussis	0	1
Plague	0	0
Polio/Acute flaccid paralysis	0	0
SARS	0	0
Typhoid	0	0
Zika	0	0
Group B: Report within 48 hrs	This Week	Yearly Total
Amebiasis	0	0
Chlamydia	0	0
Encephalitis	0	0
Enterohemorrhagic E. Coli	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: BHR 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.

American Samoa Weekly Communicable Disease Surveillance Report Week of Sunday, February 24, 2019 -- Saturday, March 02, 2019 (Epi Week 9)

Syndromic Surveillance



Syndrome	This Week	Last Week	Threshold	Year Total
Influenza-like illness	12	13	25	81
Fever & Rash	1	0	5	4
Prolonged Fever	1	0	5	3
Diarrhea	3	6	20	31

*Any highlighted syndromes are above threshold and will be investigated by the DoH Surveillance Office.
Source: BHR queries developed by the LBI MIS team from patient visits to LBI and the Community Health Centers.

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

		Tobacco				Alco- hol		↑BMI		Diseases (adult)			Deaths (30-69 years)					# better vs. worse
USAPI NCD Core Surveillance Indicators*		Cigs- youth	Cigs- adult	Chew- youth	Chew- adult	Youth	Adult	Youth	Adult	HTN	DM	↑Cholesterol	All Cause	Cancer	Cardiovascular	Diabetes	Chronic Lung	
Am Samoa		↓	↓	↑	-	↓	↑	↑	○	↑	↓	↓	○	○	○	○	○	2 vs 2
CNMI		↓	○	↓	○	↓	-	↑	-	-	-	-	○	↑	↑	○	↓	4 vs 3
FSM	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 vs 0	0 vs 1	2 vs 2	1 vs 0	5 vs 0	0 vs 1	0 vs 3	1 vs 0	2 vs 1	0 vs 2	0 vs 1	0 vs 5	0 vs 6	0 vs 6	0 vs 2	2 vs 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:

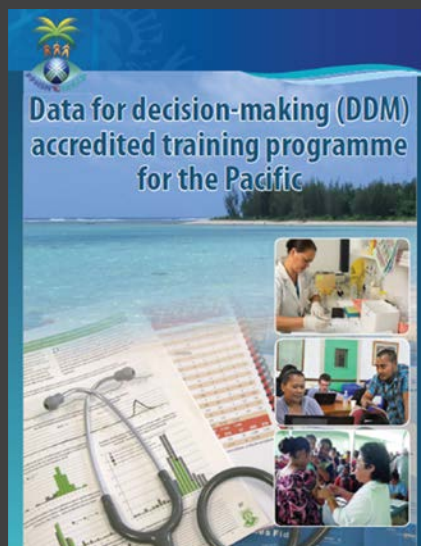
*Your staff → M&S Plans, High
School Surveys*

*CDC, WHO, SPC, ASTHO, DOI,
SAMHSA → Support hybrid surveys*

Completing DDM since September



RMI- Ebeye



Palau



DDM Completers

Palau

- Mindy Sugiyama
- Irish Tutii
- Israella Reklai
- Suzette Brikul
- Monaliza Melayong
- Elchesel Wilfred
- Selma August
- Sheila Tmarsel
- Landon Decherong
- Carmin Pipit
- Samara Kloulubak
- Shellvie M. Emiliano

Kosrae – Shiro Sighrah

- Cecilia Sighrah
- Rose Joe
- Robina Waguk
- Suzie Benjamin
- Jacoline Palik
- Andirson Andrew
- William William
- Carsila Tosie

Pohnpei

- Delpihn Abraham
- Wefonnie Billen
- Stephanie Kapriel
- Aileen Mauricio
- Juveena Jose
- Artina George

Yap

- Maria Marfel
- Iris Palemar
- Agnes Matinag
- Ritchie Wichilib
- Jaquelyn Lefagoyal
- Paula Mitmow
- Daisy Gilmatam

Chuuk

- Yoster Ychiro
- Boone Rain
- Sistine Rain
- Alexandria Mailo
- Mayleen Dungawin
- Marlyn Finik
- Mary Jo Hartman
- Maurita Bualuay
 - Diane Marar
 - Inou Shomour
 - Perty Lodge

American Samoa

- Anaise Uso
- Astrid Johannsson
- Faleu Pule
- Leiema Hunt
- Lepulu Sunia
- Kima Savusa
- Salote Fanene
- Pine Semisi
- Reupena Sheck
- Roseann Hunkin
- Senira Tuilagi

Guam

- Mary Grace Rosadino
- Estelle Ada
- Cynthia Naval
- Arlie Bonto
- Alyssa Uncangco
- Grace Bordallo
- Chris Surla
- Annette Aguon
- Bertha Taijeron
- John Dizon
- Vince Aguon
- Toni Junious
- Helene Paulino

FSM DHSA

- Alynn Lambert
- Augustine Sue
- Cecilia Primo
- Eliashib Edward
- Juveena Jose
- Selma Primo
- Eliaser Johnson

CNMI

- Doris Cruz

RMI-Majuro

- Francyne Wase-Jacklick
- Edlen Anzures
- Dr. Aina Garstang
- Suzanne Philipppo
- Melvin Mellan
- Molly Murphy
- Daisy Pedro
- Neiar Kabua
- Cendaniel Milne

RMI- Ebeye

- Johnny Choban
- Hitchfield, Neal
- Bejang, Joe
- Hauma, Mareta
- Malia Samson-Langidrik
- Valotu, Ana
- Balos, Jorbi
- Holoapa, Roy
- Patrick, Michael
- Nasa, Joaquin
- Frances-Snoddy, Lilieta

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%

Hawai'i Journal of Medicine & Public Health

A Journal of Pacific Medicine & Public Health

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



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

Delpihn 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

Hawai'i Journal of Medicine & Public Health

A Journal of Pacific Medicine & Public Health


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



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 · Klu Basilius¹ · Sherilynn Madraisau¹



SHIP

Masters

Diploma

DDM (Epi Techs)

Launch in 2019

- Intermediate Biostats
- Operational Research

1) Plan Project
2) Do Project & Analyze
3) Write manuscript &
apply results

Diploma:

6-12 Month Program→

On-line stats course then 1 week workshop X 4

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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Thane Hancock

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