



**Pacific Global Health Conference**

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# **Efforts to Improve Health Equity for COFA Citizens**

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# **Health Issues among COFA Population**

- **Infant Mortality Rates 4-6 times that of US**
- **Shorter Life Expectancy (64-77 years)**
- **50% over 50 yrs old with diabetes**
- **Increasing rates of ischemic heart attacks, stroke & cancer**
- **High rates of smoking & alcohol use**
- **Lower immunization rates**



# Health Issues continue

- **Communicable disease: tuberculosis, Hansen disease, hepatitis, STD**
- **Social determinates which contribute to inequity:**
  - Language
  - Living conditions
  - Education
  - Economics

# TB Cases Born in the U.S.-Affiliated Pacific Islands

## Hawaii, 2002–2011

Country of Birth	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	Total
FSM*	4	4	2	4	9	10	12	10	10	8	73
Marshall Islands	9	4	3	5		10	10	8	7	8	64
American Samoa	2	2	1		2	1			2	1	11
Guam	1				1	2					4
CNMI†		1				1	1			1	4
Palau		1									1
<b>TOTAL:</b>	<b>16</b>	<b>12</b>	<b>6</b>	<b>9</b>	<b>12</b>	<b>24</b>	<b>23</b>	<b>18</b>	<b>19</b>	<b>18</b>	<b>157</b>
<b>Percent of Cases:</b>	<b>11%</b>	<b>10%</b>	<b>5%</b>	<b>8%</b>	<b>11%</b>	<b>20%</b>	<b>19%</b>	<b>15%</b>	<b>17%</b>	<b>15%</b>	<b>13%</b>

\*FSM = Federated States of Micronesia which includes Chuuk, Kosrae, Pohnpei, and Yap

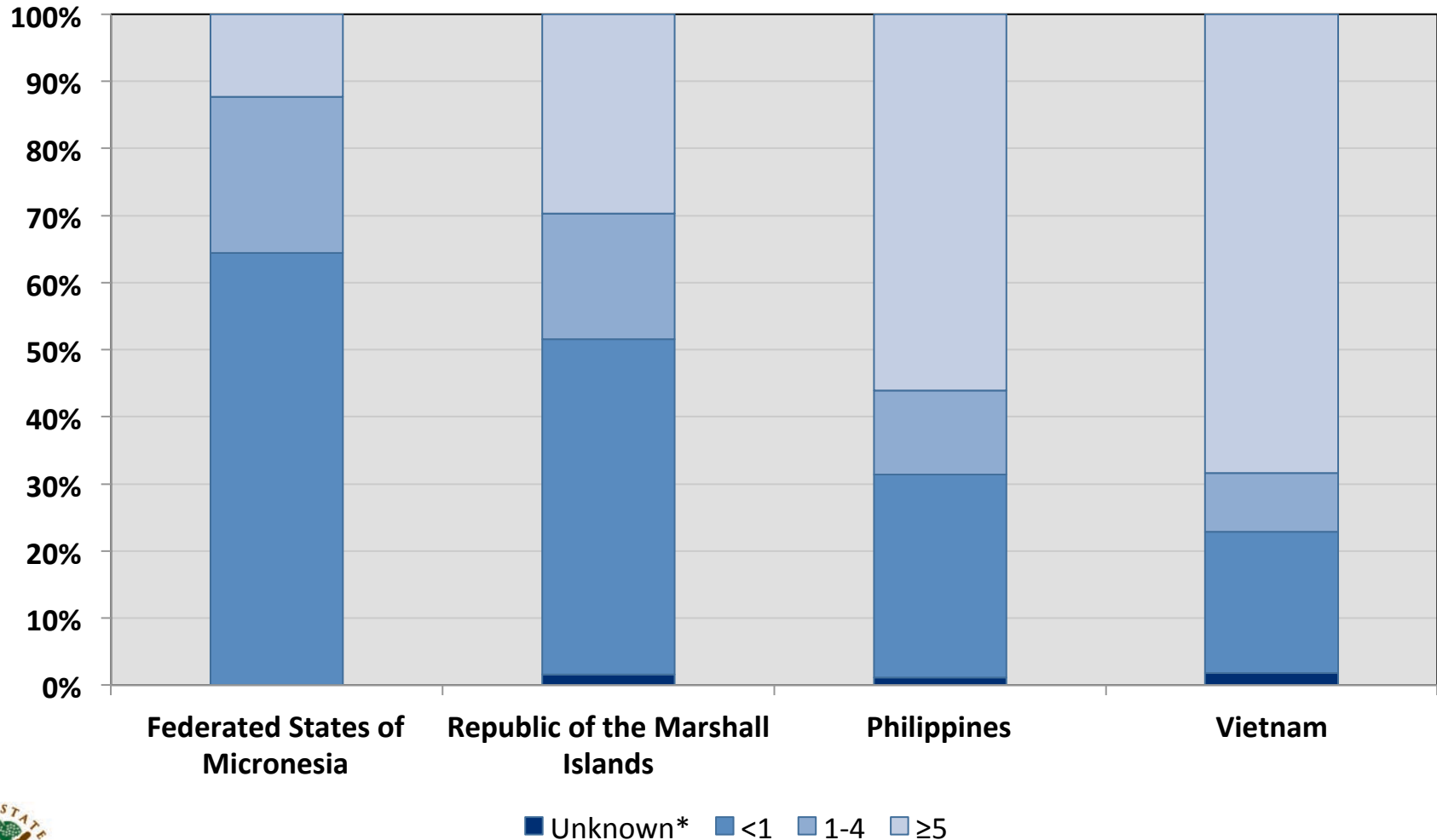
†CNMI = Commonwealth of the Northern Mariana Islands

Updated as of April 4, 2012





# TB Cases by Time of Residence in U.S. Prior to Diagnosis: Hawaii, 2002–2011

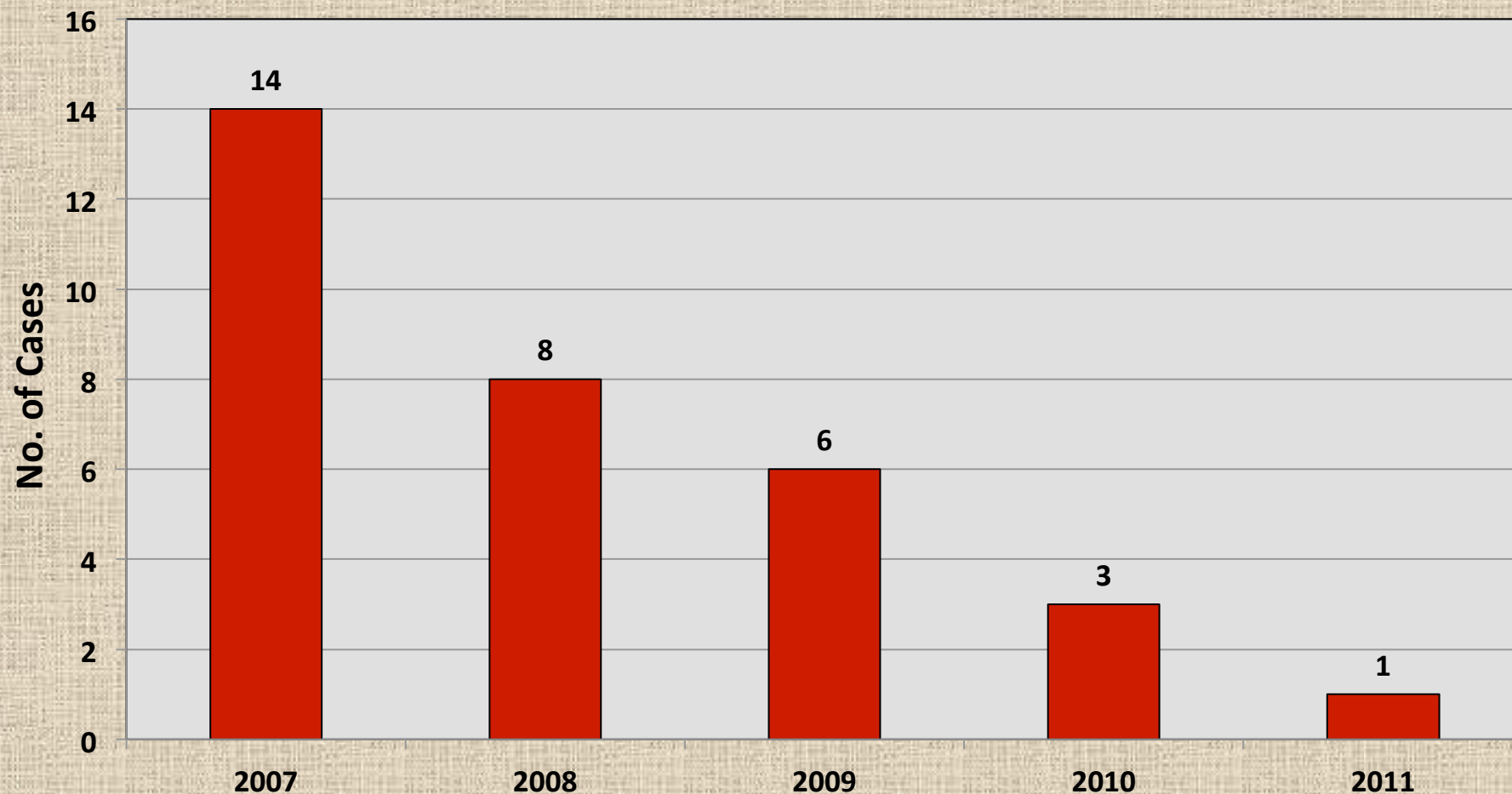


\*Foreign-born TB cases for whom information on length of residence in the U.S. prior to diagnosis is missing or unknown

Updated as of April 5, 2012



# TB Cases Born in FSM and RMI Hawaii, 2007—2011



■ Diagnosed within 3 Months of Arrival



Updated as of April 12, 2012





## **Current Initiatives: Managing and reducing the impact of new TB cases from the Pacific**

- **DOH shares two key state positions with the Pacific Islands for TB Control**
  - **Branch chief has 20% of duties for advocacy, supervision, and direct program management in the Pacific Islands.**
  - **Deputy branch chief also has regional responsibilities for assisting with TB surveillance and program improvement.**



## **Insights: Managing and reducing the impact of new TB cases from the Pacific**

- **Improvements to local Pacific Island disease control can result in improvements in Regional disease control.**
- **We cant build an epidemiologic fence to protect us from our neighbors. It doesn't work.**
- **Where possible, Hawaii should to continue to build bridges to improve public health to our neighbors.**





## Hep B in Hawaii

- Hawai'i = highest rate of liver cancer in the US
- Hep B is the leading cause of liver cancer
- 1-3% of people in Hawai'i have chronic hep B





# Who is at risk for hep B?

- **Our families, our communities, ourselves**
  - **Pacific Islanders, Native Hawaiians, Asians**
    - 1 in 10 Asian Americans have hep B vs.  
1 in 1000 in the general US population
  - **Foreign-Born**
    - Mother-to-child
  - **Older, male**
    - Liver cancer = a leading cause of cancer death among Filipino, Chinese, Native Hawaiian men in Hawai'i



# Why is Hawai'i at risk?

	General	PI/NH	Asians	Foreign
HI	~1.3 million	~10%	~40%	~17%
U.S.	308 million	~0.2%	~5%	~12%

\*2010 Census

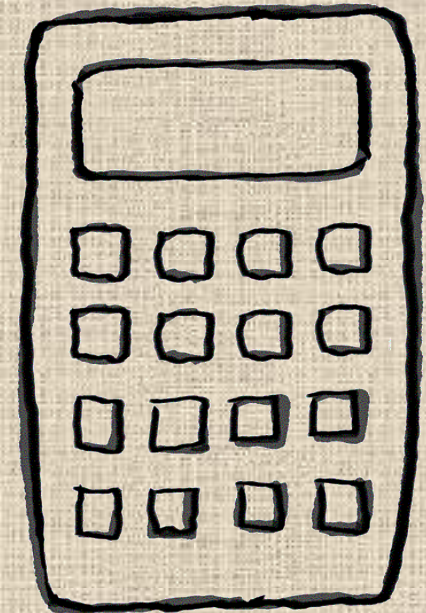




# What does this mean?

- National estimate: 1 in 10 = 68000
- Local estimate: 1-3% = up to 40800
- Reported chronic cases in 2010 = 491

- **Most people Asians and Pacific Islanders don't know they have it!**





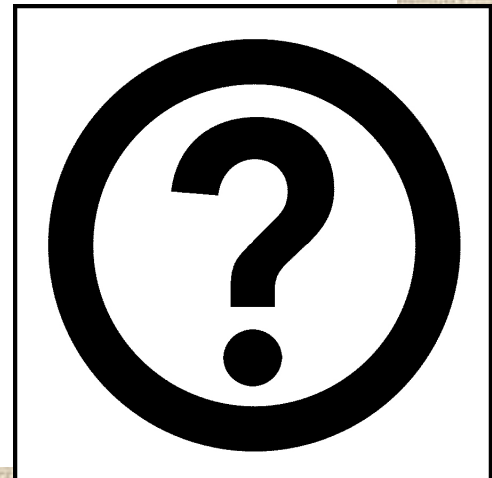


# Missing Languages



Although Hep B affects these communities, there are little to no resources in

- Chuukese
- Marshallese
- Ilocano
- Samoan
- Tongan





# In-Language Materials



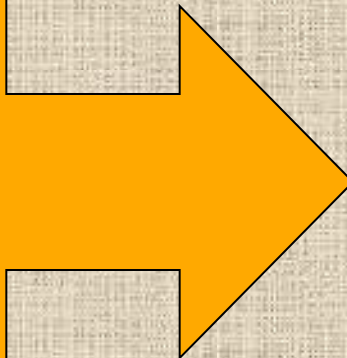
- In language
- Engage community members
- Foster discussions
- Get feedback
- Talk story

**Collaboration between Adult Viral Hepatitis Prevention Program, Hep Free Hawai'i, Hepatitis Support Network, and Pacific Islander communities and health centers**




## Spread the Word

- Get Tested
- Get Vaccinated
- Get Treated
- Get Talking




**TUMUNU  
PÉCHÉKUNEN  
ACH FAMINI**



**Hepatitis B mei affeiegawa  
mwicheichen aramasen**

- KAE0 MET B
- ANGEI TESIN
- ANGEI SAFEAN
- CHURI NOUM WE DOKTER



**AMEN AUICHEA EN ME OMW  
FAMINI OUPWE ANGEI EI  
CHEKIN HEPATITIS B  
PWE IEI EEW ME NEIN EKKWE  
SEMWIN MEI AFEIENGAWA  
ARAMEN FONUAN NON PACIFIC.**

**KAE0 USEN EI SAMWAW**

MENUN EI HEPATITIS B (HBV) MEI AFEIENGAWA AMATEN EMON. MEI PWAN TONGENI ESEMWA NGEI EPWE WINTI CANSEN ME FEN PWAN EMON EPWE MANO REN.

EI SEMWIN MEI TONGENI KUNA IKA TORI EMON NON NAPANAPEN:

1. INENAP-NGENI-NOUNOUN, AKKAEWIN REN EKKWE IRI MEI UPUTIW NON ASIA IKA FONUEN NON PACIFIC
2. MEI ATAPA IKA AA METOCH MEI OR CHAA WON (HAZEO, PIROS, IKA APPROS)
3. NISOU IKA MEUR FETAN (NGE ESE AA METOCHUN APET)

SEMWINN HBV ESE FETAN NON MWENGÉ, KONIK IKA OMW CHOK CHURI EMON.

EKKWE ARAMAS MEI URIR HBV RESAPW KEUNO WE PITI MWIKUTUKUTUN, CHUFENGEN IKA KUKUNU ME PITI AN KEWE FAMINI MWIKUTUKUT.

**ANGEI TESIN EI SEMWIN**

CHOKONG ARAMAS RESE GINI IKA MEI URIR SEMWINN HBV, IKA MW0 KE MEI PECHERUN, ANGEI EI TEST!

ASINI NOUM DOKTER REN EKKI TES:

- HEPATITIS B SURFACE ANTIGEN (HBsAG)
- Wewen nga mei manui manui ei HBV
- HEPATITIS B SURFACE ANTIBODY (ANTI-HBS)
- Wewen nga ekkwe korfu kech non inisum a chert manui ei semwin nga a epiti seuk en pwe ekkweasok

**ANGEI SAFEAN EPETI**

IKA MEI REU OMW KONE TES MEI PWAHAPATA PWE ESE NOUM REMW ESI SAMWAW, KOPWE CHOK TUMUNUK ... ANGEI EWE SAFEAN EPETI IKA KEPWAN MOCHEN EPETI SENI OMW FAMINI AN ESAP URIR IKA KUNER EI SEMWIN, NI REPWE PWAN ANGEI EWE SAFEAN EPETI.

EWE SAFEAN HEPATITIS B MEI ECH ME MECHERIS ANGANGAN, WEVEN NGE KOPWE ANGEI S APPOS NON TETENIN A MARAW REN AN EPWE EPETI UNUS MANAOM SENI EI SEMWIN.


**IKA MEI URUK EI HBV, KOPWE CHURI NOUM WE DOKTER**

IKA MW0 KEMI MEI RESE SEMWIN, MEI OUICHEA KOPWE APPONUETA OMW CHUCHURI NOUM ME DOKTER, ESAP MENIN CHOK MEI URIR HBV NGE REPWE ANGEI SAFEAN, NOE MEI FEN AUICHEA NOUM WE DOKTER EPWE CHECHER.

MEI AUICHEA TUMUNU OCH KOPWE:

- ANGEI SAFEAN HEPATITIS A
- KEU SENI UN SAKAW IKA EKKWE METOCH MEI AFEIENGAWA NISOM
- TUMUNU PWE ATONGEOM IKA ARAMASOM MEI AUICHEA NGENUK REPWE CHERI ME ANGEI SAFEAN EI SEMWIN

MEI OR OMW IKA NOUM NA DOKTER KAPAS ESI? KUTA WON NOUM NA MECHA [WWW.HEPPHAWAII.ORG](http://WWW.HEPPHAWAII.ORG) IKA EMAIL [HEPTREHAWAII@GMAIL.COM](mailto:HEPTREHAWAII@GMAIL.COM)



Downloadable and hard copies





# Marshallese Postcard

KEJBAROK BWE  
BAAMLE KO AD  
REN EJMOUR

Hepatitis B ekakkure mour  
ilo jukjuk in bad ko an riMajol.

- Kaatak kake
- Etal Im Kakōlkōl
- Etal Im Wā
- Lo Lok Taktō Eo





# Chuukese Postcard (Back)

**AMEN AUCHEA EN ME OMW  
 FAMINI OUPWE ANGEI EI  
 CHEKIN HEPATITIS B  
 PWE IEI EEW ME NEIN EKKWE  
 SEMWEN MEI AFEIENGAWA  
 ARAMEN FONUAN NON PACIFIC.**

## KAE OUSEN EI SAMWAW

**MENUN EI HEPATITIS B (HBV)** MEI AFEIENGAWA AMATEN EMON, MEI PWAN TONGENI ESENIPIA NGENI EPWE WINITI CANSER ME FEN PWAN EMON EPWE MANO REN.

EI SEMWEN MEI TONGENI KUNA IKA TORI EMON NON NAPANAPEN:

1. **INENAP-NGENI-NOUNOUN**, *AKKAEWIN REN EKKWE IR MEI UPUTIW NON ASIA IKA FONUEN NON PACIFIC*
2. **MEI ATAPA IKA AA METOCH MEI OR CHAA WON** (*RAIZEO, PIROS, IKA APPOS*)
3. **NISOU IKA MEUR FETAN** (*NGE ESE AA METOCHUN APET*)



**SEMWENIN HBV ESE FETAN NON MWÉNGÉ,  
 KONIK IKA OMW CHOK CHURI EMON.**

**EKKWE ARAMAS MEI URIR HBV RESAPW  
 KEUNO NE FITI MWÉKUTUKUTUN  
 CHUFENGEN IKA KUKUNOU ME FITI AN  
 KEWE FAMINI MWÉKUTUKUT.**

## ANGEI TESIN EI SEMWEN

CHOMONG ARAMAS RESE SINEI IKA MEI URIR SEMWENIN **HBV**. IKA MWO KE MEFI PECHEKUN, **ANGEI EI TES!**

AISINI NOUM DOKTER REN EKKEI TES:

- **HEPATITIS B SURFACE ANTIGEN (HBSAG)**
  - Wewen nge mei manau menun ei HBV
- **HEPATITIS B SURFACE ANTIBODY (ANTI-HBS)**
  - Wewen nge ekkewe sonfiu eoch non inisum a sineni menun ei semwen nge a epeti senuk an epwe afeiengawok

## ANGEI SAFEAN EPETI

IKA ME RUU OMW KEWE TES MEI PWARARATA PWE ESE NOMW REMW ESI SAMWAW, KOPWE CHOK TUMUNUK... **ANGEI EWE SAFEAN EPETI!** IKA KEPWAN MOCHEN EPETI SENI OMW FAMINI AN ESAP URIR IKA KUNER EI SEMWEN, IIR REPWE PWAN ANGEI EWE SAFEAN EPETI.

EWE SAFEAN **HEPATITIS B** MEI ECH ME MECHERES ANGANGAN. WEWEN NGE KOPWE ANGEI 3 APPOS NON TETENIN 6 MARAM REN AN EPWE EPETI UNUS MANAOM SENI EI SEMWEN!

## IKA MEI URUK EI HBV, KOPWE CHURI NOUM WE DOKTER

IKA MWO KEMI MEFI KESE SEMWEN, MEI OUCHEA KOPWE APPONUETA OMW CHUCHURI NOUM WE DOKTER. ESAP MEINISIN CHON MEI URIR HBV NGE REPWE ANGEI SAFEI, NGE MEI FEN AUCHEA NOUR WE DOKTER EPWE CHECHEKIR.

MEI AUCHEA TUMUNU OCH KOPWE:

- **ANGEI SAFEAN HEPATITIS A**
- **KEU SENI UN SAKAW IKA EKKWE METOCH MEI AFEIENGAWA INISUM**
- **TUMUNU PWE ATONGEOM IKA ARAMASOM MEI AUCHEA NGENUK REPWE CHEKI ME ANGEI SAFEAN EI SEMWEN**

MEI OR OMW IKA NOUM NA DOKTER KAPAS EIS? KUTA WON NOUM NA MECHA [WWW.HEPFREEHAWAII.ORG](http://WWW.HEPFREEHAWAII.ORG) IKA EMAIL [HEPFREEHAWAII@GMAIL.COM](mailto:HEPFREEHAWAII@GMAIL.COM)



# **Communicable Disease Efforts**

**Working with shelters & transitional housing:  
Lighthouse ministry, Waianae, Palolo  
shelters, Next Steps**

- **Collaboration with Community Health Centers**
- **Collaboration with churches & community groups for screening, prevention & education**
  - **Nations of Micronesia**
  - **Marshallese/Chuukese Women's Groups for Change**





## **Other Collaborative Efforts**

- **Hepatitis Coalition & support groups**
- **Hansen's Disease/ TB support groups**
- **Screen new students or employees:**
  - **Waimanalo Job Corps, Maui Job Corps, Maui Pine**
- **Under One Roof: HD Community Development, Kalihi Palama Health Center, Waikiki Care-A-Van, Living Word Ministry**



# **COFA Progrms for 2011: Family Health Services Division**

**Comprehensive Primary Care Services**

**Home Visiting**

**Family Planning**

**Parenting Support**

**Perinatal Support Services**

**Early Intervention Services**

**Women, Infants and Children**





# **Comprehensive Primary Care Services:**

- **13 Federally Qualified Health Centers statewide to provide medical, behavioral, and dental services to uninsured/underinsured individuals and families**
- **“Wrap-Around” services often needed for this population.**
- **COFA residents are more likely than most to seek care at community health centers**



# Home Visiting:

- **Statewide home visiting program that promotes family strengthening, child health and safety, and positive parent-child relationships.**
- **Early identification of prenatal women and families “at risk” for child maltreatment, developmental delay, and sub-optimal health.**
- **The HV component provides culturally appropriate support services to the family to reduce the identified high-risk factors/stressors, which may lead to child abuse/maltreatment. The service is provided to the family in their natural environment and is voluntary until the child reaches three (3) years of age.**



# Family Planning:

- **Services provided through contracts with community health centers, hospitals, and community and university providers.**
- **1,000 educational DVDs produced in Marshallese and Chuukese.**
  - **Evaluation of outcomes to determine if helpful in assisting the client's understanding of choices, and in selecting a birth control method.**





# Parenting Support:

- **Infants and children (0-5 years of age) for children at risk for attachment and bonding disorders, developmental/behavioral delays, physical and emotional harm and poor school performance.**
- **Mobile Outreach Services – Provides parent-child interactive parenting groups designed to reach parents in transitional shelters, areas with high homeless populations, and lastly, in densely populated areas targeting the “hidden homeless.”**





# **Perinatal Support Services:**

- **Services to promote healthy pregnancy and birth outcomes.**
  - **prenatal to six month post-partum**
  - **outreach, risk assessments and screenings, health education, and case management**
- **Malama Perinatal Program: Hawaii Island**



# Early Intervention Services:

- Infants and toddlers age 0-3 years with developmental delays or at biological risk of developmental delays and their families
- Services may include assistive technology; audiology; care coordination; family training, counseling, and home visits; health services; hearing services; medical services (for diagnostic/evaluation); nursing; nutrition; occupational therapy; physical therapy; psychological services; signed language and cued language services; social work; special instruction; speech language pathology; transportation; and vision services.



# **WIC Services:**

- **nourishing supplemental foods, nutrition education, breastfeeding promotion and health and social service referrals.**
- **pregnant, breastfeeding, or postpartum women, and infants and children under age five who meet income guidelines and have a medical or nutritional risk.**





# **Insights & Recommendations:**

- **Movement back and forth to Hawaii common; follow up challenging.**
- **Tailored interventions developed with community leaders show greater success**
- **More accurate data on Micronesian population**
- **Establish a larger pool of qualified, certified, readily available interpreters in all major Micronesian languages**
- **Continued cultural competence training for public health and service providers**



- **Continued Outreach & Collaborations with stakeholders**
- **Increase collaboration between Hawai'i and Freely-Associations States (FAS) governments on health, education, and other major issues and to better prepare and orient people prior to their departure**
- **One Stop/Roof Initiatives**
- **Behavioral Health**