THINGS RELATED TO THINGS

Intersecting Frameworks for Hepatitis in HI

Thaddeus Pham, Hawaii Department of Health
November 2017
PUBLIC HEALTH IS SOCIAL JUSTICE

• Look broadly
• Build relationships
• Identify opportunities
• Determine impact

Assess  Partners  Innovate  Evaluate
HIV RISKS BY POPULATIONS

Lifetime Risk of HIV Diagnosis by Transmission Group

- MSM: 1 in 6
- Women Who Inject Drugs: 1 in 23
- Men Who Inject Drugs: 1 in 36
- Heterosexual Women: 1 in 241
- Heterosexual Men: 1 in 473

Source: Centers for Disease Control and Prevention
HIV RISKS BY RACE

**Lifetime Risk of HIV Diagnosis by Race/Ethnicity**

- **African American Men**: 1 in 20
- **African American Women**: 1 in 48
- **Hispanic Men**: 1 in 48
- **Hispanic Women**: 1 in 227
- **White Men**: 1 in 132
- **White Women**: 1 in 880

Source: Centers for Disease Control and Prevention
HIV RISKS AMONG MSM BY RACE

Lifetime Risk of HIV Diagnosis among MSM by Race/Ethnicity

- **African American MSM**: 1 in 2
- **Hispanic MSM**: 1 in 4
- **White MSM**: 1 in 11

Source: Centers for Disease Control and Prevention
HEPATITIS VS. HIV

HEPATITIS C VS. OTHER

Other nationally notifiable infectious conditions

Hepatitis C

LIVER CANCER IS RISING

INCIDENCE RATES FOR LIVER CANCER BY RACE/ETHNICITY DURING 2008 TO 2012

<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>American Indian/Alaska Native</td>
<td>14.9</td>
</tr>
<tr>
<td>Asian/Pacific Islander</td>
<td>13.8</td>
</tr>
<tr>
<td>Hispanic</td>
<td>12.7</td>
</tr>
<tr>
<td>Black</td>
<td>9.9</td>
</tr>
<tr>
<td>White</td>
<td>6.0</td>
</tr>
</tbody>
</table>

Rates per 100,000 People in the U.S.

Source: Annual Report to the Nation on the Status of Cancer, 1975-2012
LIVER CANCER IS RISING

- **HBV**
  - +5.4%
  - 2012-2013

- **HCV**
  - 151%
  - 2010-2013
HEPATITIS IN HAWAII

More than 1 out of 20 people are at risk of Viral Hepatitis, which is the 2nd leading cause of Liver Cancer.
HEPATITIS IN HAWAII

Asians, Pacific Islanders
Hep B

Born 1945-1965
Hep C

People who inject drugs
Hep B and C
LET’S TALK ABOUT MICRONESIA
LET’S TALK ABOUT OVERDOSE
Deaths
• Tripled
• 1999-2014

Heroin
• 20.6%
• 2014-2015

Opioid*
• 72.2%
• 2014-2015

* Excluding methadone

Rudd RA, Seth P, David F, Scholl L., CDC MMWR, Dec 16, 2016
Figure 1. Drug overdose death rates* compared to motor vehicle-related death rates, Hawaii residents, 1999-2013
(Lines show age-adjusted death rates (per 100,000 residents), while actual number of fatalities is indicated by bar and label.)
LET’S TALK ABOUT OVERDOSE

(All data in this factsheet is taken from death certificates archived by the Hawaii Department of Health.)

Figure 2. Number of drug overdose deaths involving opioid pain relievers and other drugs, Hawaii residents, 1999-2013

- Opioid pain relievers
- Specified drug(s) other than opioid pain relievers
- Only unspecified drug(s)

Some unspecified drugs may be opioid drugs.
LET’S THINK ABOUT THINKING
THINGS ARE RELATED TO THINGS

Using Prescription Painkillers or Heroin?

REDUCE YOUR RISK OF OVERDOSE, HEP C & HIV

NYC Health
THINGS ARE RELATED TO THINGS

- Hep/HIV
- Drug Use
- Race
- Drug Policy
- Prisons
Things are related to things
RACE AND DRUG USE

Changes in who is starting to inject drugs

Percent of new PWID by race suggests fewer blacks, and more whites, are starting to inject drugs

2005: 38% White, 19% Hispanic/Latino, 38% Black
2009: 44% White, 21% Hispanic/Latino, 29% Black
2012: 44% White, 21% Hispanic/Latino, 28% Black
2015: 54% White, 21% Hispanic/Latino, 19% Black

Heroin use has increased more than 60% (114% in whites) in recent years. The heroin and prescription opioid epidemics could lead to new HIV outbreaks.

SOURCE: National Survey on Drug Use and Health, 2002-2013

Vital Signs, CDC, Nov 29, 2016
With Opioid Crisis, a Surge in Hepatitis C

August 28, 2017  |  By Christine Vestal

An Indiana nurse holds one of the syringes provided to intravenous drug users taking part in Fayette County’s state-approved needle exchange program. Hepatitis C infections have nearly tripled since 2010 — an increase mainly due to the heroin epidemic.
IMPACT: YOUNG PWID

Massachusetts (MMWR 2011)
IMPACT: YOUNG PWID

18.4% (2011)  28.6% (2012)  38.6% (2013)

CHOW Project Data
YOUTH MSM IN HAWAII

1 out of 2
No condom last sexual encounter

1 out of 20
Ever injected illicit drugs

1 out of 2
Ever abused RX drugs

1 in 3 LGB youth currently use marijuana. (in the past month)

1 in 10 LGB youth ever injected illicit drugs.

1 in 4 LGB youth ever used prescription drugs. (without a prescription)

Currently smoke cigarettes (in the past month)

<table>
<thead>
<tr>
<th></th>
<th>Heterosexual</th>
<th>Questioning</th>
<th>LGB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterosexual</td>
<td>8%</td>
<td>14%</td>
<td>24%</td>
</tr>
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</table>

Almost 1 in 3 LGB youth currently use electronic vaping products. (in the past month)

43% LGB vs 26% of heterosexual youth are at increased risk for alcohol and drug dependency.

LGB youth are 2x more likely to binge drink compared to heterosexual youth.

Currently binge drink

<table>
<thead>
<tr>
<th></th>
<th>Heterosexual</th>
<th>Questioning</th>
<th>LGB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterosexual</td>
<td>10%</td>
<td>14%</td>
<td>20%</td>
</tr>
</tbody>
</table>

(4+ drinks on at least one occasion for girls, 5+ drinks for boys).

5 of 10 heterosexual vs 3 of 10 LGB youth used a condom during their last sexual encounter.

Currently drink alcohol (in the past month)

<table>
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<th>LGB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heterosexual</td>
<td>45%</td>
<td>27%</td>
<td>25%</td>
</tr>
</tbody>
</table>

LGB
WHAT CAN WE DO?

- Diagnose
- Prevent
- Treat/Cure
PUBLIC HEALTH IS SOCIAL JUSTICE

- Look broadly
- Build relationships
- Identify opportunities
- Determine impact

Assess  Partners  Innovate  Evaluate
LOOK BROADLY

- Hepatitis
- Race
- Drug Use
- Drug Policy
- Prisons
WHERE TO LOOK BROADLY

**Hep**
- Hep Free Hawaii
- National Viral Hepatitis Roundtable

**Drugs**
- CHOW Project (syringe exchange)
- Drug Policy Forum

**Race**
- Office of Language Access
- Interagency Coalition for Immigrants

**Prison**
- Public Safety Division
- Community Alliance on Prisons
BUILD RELATIONSHIPS

Maui AIDS Foundation

Maui District Health Office
KNOW THEIR NEEDS

Priorities/Logistics
1. Funding
2. Staffing capacity
3. Post-release linkages
4. Leadership buy-in

Maui Community Corrections Center
DEMONSTRATE YOUR VALUE

Direct Services
Increase Testing/Linkage

Community Access
Culture and Language

Technical Assistance
Grant Writing
IDENTIFY OPPORTUNITIES

Maui Jail Pilot
1. $75000
2. Fall 2017
3. Maui AIDS Foundation
DETERMINE IMPACT

Next Steps
1. Collect data
2. Share data
3. Justify increases
4. Sustainability

Don’t get mad, get data!
COMMUNITY HEALTH CENTERS

Hep B at Kalihi-Palama

1426 Screened

6.1% positive

93.9% negative

46.2% Micronesian

87.4% 1st med appt

80.6% VX or SAB+

DOH Data, August 2013-August 2016
PUBLIC HEALTH IS SOCIAL JUSTICE

1. Relationship capital.
2. Leverage existing systems.
3. Make your own opportunities.
4. Prove that they work!
THINGS ARE RELATED TO THINGS

Using Prescription Painkillers or Heroin?

REDUCE YOUR RISK OF OVERDOSE, HEP C & HIV

NYC Health
#takeTHAThepatitis

Dept of Health
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Hep Free Hawaii
www.hepfreehawaii.org
@hepfreehawaii on social media