STI Screening in a Multicultural Community Health Center

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Kokua Kalihi Valley
Comprehensive Family Services
Serving Kalihi Valley Residents Since 1972.

Kokua Kalihi Valley
2239 North School Street
Honolulu, HI 96819
www.kkv.net
Kalihi Valley

• 30,000 residents

• Urban, densely populated

• 4 public housing projects

• Ho’oulu ‘Aina Nature Park - 99 acres in back of Kalihi Valley
Kokua Kalihi Valley

Serves:

• Over 10,000 patients/clients
• 20,000 visits
• 37% public housing residents
• 85% @ or under 100% Federal Poverty Level
• 42% Uninsured; 40% Medicaid/QUEST
Language and Culture

- 31% Filipino
- 24% Micronesian (most Chuukese)
- 20% Samoan
- 7% Hawaiian
- 8% East Asian

1/3 of patients require an interpreter
Language and Culture

- KKV sees a growing number of migrants from Chuuk, Micronesia
- 24% patients
- 45% of pregnant women
Health Services

- Primary Medical and Dental Care
- Family Planning
- Prenatal Care
- Behavioral Health
- WIC and Nutrition
- Health Education
- Eligibility for insurance
- Outreach workers

- Youth Programs
- Elderly Exercise Programs
- K-VIBE Bike Program
- Nature Park
- Language Services
- Interpreter Training
- Transportation
- Case Management
- Medical Legal Partnership
KKV Pilot Program

To improve early detection of sexually transmitted infections (STI)

Needs & Strengths
* STI Data
* Cultural staff
* FP Walk-In Clinic

DOH Collaboration
* Planning
* Staff Training

FP Walk-In Clinic Pilot
Chlamydia and Gonorrhea

- Chlamydia (CT) and Gonorrhea (GC)
  - Common STIs; usually no symptoms
  - Easy to test; Effective treatment w/antibiotics
  - If untreated: damage incl. PID, ectopic pregnancy, infertility, blindness in newborns, death.

- CDC recommendations:
  - Screening for all pregnant women
  - Routine annual screening of women <26
  - Screening of women 26+ and men (all ages) based on risk or in high prevalence settings.

- “Positivity rate” – not a good thing
2010 Data : High STI rates

- KKV’s Chlamydia and Gonorrhea positivity rates among the highest in Hawaii (GC – only state prison higher)
- For women age 26 and over, KKV’s Chlamydia and Gonorrhea positivity rates the highest in Hawaii (2010)
- Micronesians disproportionately represented among those with positive test results.
Kokua Kalihi Valley
Chlamydia and Gonorrhea Positivity Rates among Females\textsuperscript{a} all ages 2010

\textit{a. Data from the Hawaii Chlamydia Screening Program, Hawaii Department of Health SAPB, STD Prevention Program.}
2010 Positivity Rates for Chlamydia and Gonorrhea among Females

<table>
<thead>
<tr>
<th>AGE GROUP (YEARS)</th>
<th>DISEASE</th>
<th>KKV</th>
<th>DOH STD Clinic</th>
<th>Other CHC’s -Oahu</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt; 26</td>
<td>CHLAMYDIA</td>
<td>18.9%</td>
<td>13.8%</td>
<td>9.8%</td>
</tr>
<tr>
<td></td>
<td>GONORRHEA</td>
<td>4.4%</td>
<td>1.9%</td>
<td>0.4%</td>
</tr>
<tr>
<td>&gt;=26</td>
<td>CHLAMYDIA</td>
<td>13.7%</td>
<td>6.1%</td>
<td>3.2%</td>
</tr>
<tr>
<td></td>
<td>GONORRHEA</td>
<td>1.4%</td>
<td>0.9%</td>
<td>0.4%</td>
</tr>
</tbody>
</table>

*a. Data from the Hawaii Chlamydia Screening Program, Hawaii Department of Health SAPB, STD Prevention Program.*
STI Pilot Program
To improve early detection of sexually transmitted infections (STI)

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FP Walk-In Clinic Pilot
Assets and Strengths

- Multi lingual, Multicultural Staff
- Family Planning Walk-In Clinic
Family Planning Walk-In Clinic

- Accessible: Walk-in Monday thru Saturday 8:00 to 5:30 weekdays; 8:30 to 4:30 Sats
- Pregnancy testing and counseling, ECP, STI test, Depo-Provera and OCP re-fills, Condoms, Education & Counseling
- First visit for Pregnant women: comprehensive psycho-social assessment and education
Family Planning Walk-In Clinic

- Over 700 visits each year
- Staff speak languages and know cultures of clients
STI Pilot Program
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FP Walk-In Clinic Pilot
STI Pilot Program
FP Walk-In Clinic

- **Protocols** developed and approved by KKV & DOH, 2010 - 2011

- **Staff Training** by DOH STD/AIDS Prevention Branch (SAPB), May 2011
  - Nucleic acid amplification test for CT and GC Urine and Self-collected vaginal swab

- **Pilot Program** began June 1, 2011

- Added routine HIV test offer in Jan 2012 after KKV staff refresher training by SAPB
STI Pilot Program
FP Walk-In Clinic

- Routinely offered to all eligible clients

Eligibility:
- All clients with no STI test in past year
- All clients walking in for Pregnancy test and ECP, any, regardless of last test date
- Any other clients with new sexual partner since last STI test

- All tests performed by the State Laboratory Department via the DOH Chlamydia Screening Program
Pilot Program Results
June 2011 through May 2012

- 426 eligible FP Walk-In clients
- 417 (98%) of eligible clients were offered Chlamydia and Gonorrhea tests
- 379 (89%) accepted
  - 379 clients tested
  - 378 female, 1 male
## Pilot Program Results

### Positivity Rates for Chlamydia & Gonorrhea

#### All Ages\(^a\): June 2011 through May 2012

<table>
<thead>
<tr>
<th>DISEASE</th>
<th>Number of Tests</th>
<th>Number Positive tests</th>
<th>Positivity Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHLAMYDIA</td>
<td>377</td>
<td>52</td>
<td>13.8 %</td>
</tr>
<tr>
<td>GONORRHEA</td>
<td>377</td>
<td>3</td>
<td>&lt;1%</td>
</tr>
</tbody>
</table>

\(^a\) Data from KKV STI Database - FP Walk-In Clinic
## Pilot Program Results

**Chlamydia Positivity Rate by Race**

All Ages\(^a\) - June 2011 through May 2012

<table>
<thead>
<tr>
<th></th>
<th>Chuukese</th>
<th>Samoan</th>
<th>Filipino</th>
<th>Hawaiian</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>All clients tested</td>
<td>29%</td>
<td>28%</td>
<td>28%</td>
<td>9%</td>
<td>6%</td>
</tr>
<tr>
<td>CT +</td>
<td>40%</td>
<td>35%</td>
<td>15%</td>
<td>10%</td>
<td>1%</td>
</tr>
</tbody>
</table>

Almost all those age 26 and over with positive CT results were Chuukese (12 of 13)

\(^a\) Data from KKV STI Database - FP Walk-In Clinic
Chlamydia Testing at KKV
Before and After Pilot Program

Women < 26 years old

- Average for all DOH FP Clinics: 50%
- KKV Before Pilot Program: 34%
  - Jan to June 2011
- KKV After Pilot Program: 68%
  - July to December 2011

aData provided by Lois Arakaki, Department of Health, Maternal Child Health Branch, Family Planning Program.
Discussion

- KKV’s positivity rate indicates this program is effective and cost effective in reaching a high risk group.
  - With a CT positivity rate of greater than 3%, this screening activity is cost effective (CDC, Infertility Prevention Project)

- Although women 26 years and over are not considered an at risk group per CDC guidelines, KKV’s high + rate for this age group warrants expanding routine screening ages for its patient population.
Discussion

- Chuukese and Samoan women using KKV’s FP walk-in services are at higher risk for STI’s than other groups.

- Factors: social determinants of health, income & education; migration; cultural change, loss & stress; and limited resources for health, education and economic systems in home islands.

See References
Community Strengths

Samoan Women’s Health Group
Community Strengths

Chuukese Women’s Health Group
Discussion

- Providers should consider national STI guidelines tailored with local data, experience, needs and strengths to best meet the needs of local, immigrant and migrant Asian and Pacific Islander communities.
References


• Kinsou Chappur
• Fa’ afetai lava
• Salamat
• Mahalo nui loa
• Thank you