Analysis of Syphilis Epidemiology in Taipei City

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Introduction of Taipei

- **Population**
  - 2,696,319 (Oct. 2016)

- **Overview**
  - 271.7 km² (0.76% of Taiwan)
  - 12 administrative districts
Syphilis & Gonorrhea New Cases in Taipei City
Syphilis & Gonorrhea New Cases in Taipei by Gender
## Syphilis New Cases and Prevalence rate in 12 Districts

<table>
<thead>
<tr>
<th>District</th>
<th>F</th>
<th>M</th>
<th>T</th>
<th>F%</th>
<th>M%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zhongshan</td>
<td>101</td>
<td>806</td>
<td>907</td>
<td>0.082%</td>
<td>0.747%</td>
</tr>
<tr>
<td>Wanhwa</td>
<td>90</td>
<td>797</td>
<td>887</td>
<td>0.092%</td>
<td>0.835%</td>
</tr>
<tr>
<td>Xinyi</td>
<td>73</td>
<td>693</td>
<td>766</td>
<td>0.061%</td>
<td>0.635%</td>
</tr>
<tr>
<td>Daan</td>
<td>66</td>
<td>692</td>
<td>758</td>
<td>0.040%</td>
<td>0.475%</td>
</tr>
<tr>
<td>Shilin</td>
<td>89</td>
<td>624</td>
<td>713</td>
<td>0.059%</td>
<td>0.445%</td>
</tr>
<tr>
<td>Wenshan</td>
<td>94</td>
<td>516</td>
<td>610</td>
<td>0.066%</td>
<td>0.390%</td>
</tr>
<tr>
<td>Songshan</td>
<td>70</td>
<td>424</td>
<td>494</td>
<td>0.063%</td>
<td>0.432%</td>
</tr>
<tr>
<td>Neihu</td>
<td>40</td>
<td>413</td>
<td>453</td>
<td>0.027%</td>
<td>0.300%</td>
</tr>
<tr>
<td>Beitou</td>
<td>55</td>
<td>360</td>
<td>415</td>
<td>0.041%</td>
<td>0.290%</td>
</tr>
<tr>
<td>Zhongzheng</td>
<td>47</td>
<td>368</td>
<td>415</td>
<td>0.056%</td>
<td>0.479%</td>
</tr>
<tr>
<td>Datung</td>
<td>46</td>
<td>342</td>
<td>388</td>
<td>0.069%</td>
<td>0.538%</td>
</tr>
<tr>
<td>Nangang</td>
<td>36</td>
<td>204</td>
<td>240</td>
<td>0.057%</td>
<td>0.341%</td>
</tr>
</tbody>
</table>
New Cases in 12 Districts by Gender
The Changes of Yearly New Cases in 12 Districts
Prevention Strategies for Syphilis in Taipei

• Primary Prevention
  – Education and training
  – Condoms

• Secondary Prevention
  – MSM
  – CSW

• Tertiary prevention
  – STDs friendly PE for out patients services.
  – HIV screening test for newly diagnosed STD case
Education and Training

- Health education in general public
  - Chun-Huei Project: Cooperation with Bureau of Education
  - Website teaching
  - Universal HIV/Syphilis testing program
  - Hotline for STD counseling
- Hotline for needle stick event management (for policemen and firefighters)
- Professional training program
  - Doctors, Nurses, Pharmacists…
- Development of teaching materials and aids
High Risk Behaviors Prevention in Particular Groups

• MSM
  – Gay health center
  – Seeded teachers and peer educators training
  – Screening and education in gay venues
  – Condom promotion

• Sex workers
  – Peer education and screening
  – Case management
  – Education and blood testing in special business
Friendly Strategies

Condom

- “Gay Together” health center
  - 2012: Facebook fan group with many activities
  - 2013: real center

- Service:
  - Various activities
  - Rapid testing & counseling
  - Doctor professional advisory

1. free for gay sauna
2. vending machine (2 condoms + 2KY/10NT)
Peer Educators Training

- Harm reduction discussion
Efforts for the Internet

- Gay website link
- Online Q&A
- Discussion about safer sex, club drug …
- Screening information
Screening and Education in Gay Venues
Prevention and Disease Control for Sex Workers

- Implementing screening and health education towards STD cases.
- Issuing health care card and offering free health care.
Prevention Advocacy for Sex Workers

- When seized by the police, unlicensed prostitutes, clients and drug addicts should be offered with STD screening and individual health education.
- Peer volunteers are trained to execute outreaching work.
Empowering Prostitutes to Become Teachers and Managers
High Risk Behaviors Prevention in Special Group

• Special groups education plan--cooperation with police.
STDs Friendly PE

- Invite PEs from different divisions like Dermatologist, Family physician, Urologist, Obstetrics and gynecology to participate in.

- Launch related speeches or programs through different medical associations.

- Provide screening test and counseling services for people who have suspicious malady.
HIV Screening Test for Newly STD Cases

• CDC provides Medicaid for those people who are qualified.

• Included this requirement in the annual supervision and evaluation for the hospitals located in Taipei
Conclusion

• For the past 5 years, the new syphilis cases has been increasing every year.
• Male cases are way higher than female cases, the main reason for this situation is due to the growing number of risk behavior taker in MSM subgroup.
• Related to the local culture of the residency.
• Similar to HIV prevention, we provide easier to reach prevention and disease control programs.
THANKS FOR YOUR ATTENTION