

# **IPP Innovation**

## **Chlamydia Screening in Louisiana Charter Schools**

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# Objectives

- Determine feasibility and methods for CT screening in charter schools
- Assess CT positivity among charter school youth

# Methods

- Research potential schools
- Meet with key stakeholders at potential sites
- Develop action plan for screening
  - One school
  - Health clinic on site (closed prior to implementation)
  - Parent permission required

# Methods

- GenProbe Aptima/TMA test
- Urine specimens
- Specimens processed at LSU laboratory

# Preparation

- Meetings with school staff (principal, social worker)
- Gathering supplies
  - Data collection forms/lab slips
  - Consent forms
  - Specimen collection kits
- Presentations to each classroom (script)
- Parent letter and permission slips given to students to bring back the following day

# Screening Days

- Two LSU staff members set up in a confidential setting
- Social worker assisted by notifying classes that it was time for the screening
- Staff members:
  - Collected consent form
  - Completed lab/data collection form
  - Collected Specimens
  - Delivered specimens to lab for processing

# Follow-up and Treatment

- When results received, scheduled time to give results to students
- All infected students and random negative students counseled for results
- Treatment given on-site at time results given
- All treated except one who refused
- Partner referrals to STD clinic

# Data

- 326 students tested for CT/GC
  - 65% 2006; 35% 2007
  - Louisiana data form
    - ◆ Demographics
    - ◆ Recent STD history
    - ◆ Sexual risk behaviors
    - ◆ Test results

# Results

- Overall sample description
- Sex differences
- Risk factor analysis for male and female students

# Student Background

n=326

Measure	Percent
<b>Sex, male</b>	<b>54%</b>
<b>Age</b>	
14	7%
15	17%
16	26%
17	21%
18-19	29%
<b>Race, Black</b>	<b>99%</b>

Measure	Percent
<b>Behavioral risks, past 60 days</b>	
Multiple sex partners (SPs)	10%
New SP	11%
Symptomatic SP	0%
SP monogamous	19%

N=326

Measure	Percent
<b>History, past 12 months</b>	
Chlamydia	2%
Gonorrhea	1%
Other STD	1%
<b>Test results</b>	
Chlamydia	13.8%
Gonorrhea	5.2%

N=326

# Sex Differences

Measure	Male	Female
<b>Behavioral risks, past 60 days</b>		
Multiple sex partners (SPs)	15%	4%
New SP	14%	7%
<b>STD test results</b>		
Chlamydia	10.8%	17.3%
Gonorrhea	3.4%	7.3%

# Sex Differences, cont.

- Male students were significantly older than female students, mean age:
  - Males = 16.8 years vs. females = 16.3 years
- Male and female clients were comparable on:
  - History of CT, GC or other STD
  - Project testing in 2006 vs. 2007

# Factors associated with CT and GC

- Analyses done separately for male and female students
  - Males n = 176
  - Females n = 150
- Measures
  - Age
  - Hx of STD treatment
  - Sexual risk behaviors
  - Chlamydia and Gonorrhea NAAT results

# Risk Factors and CT—Females

Measure	CT%+	Sig.
<b>Age</b>		
16 or younger	17.3%	
17 or older	17.6%	NS
<b>Any STD history, past 12 months</b>		
Yes	37.5%	
No	16.3%	NS

# Risk Factors and CT—Females

Measure	CT%+	Sig.
<b>Behavioral risks</b>		
Multiple SPs		
Yes	50.0%	
No	16.1%	0.032
New SP		
Yes	40.0%	
No	15.8%	0.052

# Risk Factors and GC—Females

Measure	GC%+	Sig.
<b>Age</b>		
16 or younger	7.4%	
17 or older	7.4%	NS
<b>Any STD history, past 12 months</b>		
Yes	12.5%	
No	7.1%	NS

# Risk Factors and GC—Females

Measure	GC%+	Sig.
<b>Behavioral risks</b>		
Multiple SPs		
Yes	16.7%	
No	7.0%	NS
New SP		
Yes	20.0%	
No	6.5%	NS

# Risk Factors and CT—Males

Measure	CT%+	Sig.
<b>Age</b>		
16 or younger	3.8%	
17 or older	16.8%	0.007
<b>Any STD history, past 12 months</b>		
Yes	0.0%	
No	11.0%	NS

# Risk Factors and CT—Males

Measure	CT%+	Sig.
<b>Behavioral risks</b>		
Multiple SPs		
Yes	23.1%	
No	8.7%	0.030
New SP		
Yes	16.7%	
No	9.9%	0.052

# Risk Factors and GC—Males

Measure	GC%+	Sig.
<b>Age</b>		
16 or younger	1.3%	
17 or older	5.3%	NS
<b>Any STD history, past 12 months</b>		
Yes	33.3%	
No	2.9%	<0.001

# Risk Factors and GC—Males

Measure	GC%+	Sig.
<b>Behavioral risks</b>		
Multiple SPs		
Yes	11.5%	
No	2.0%	0.014
New SP		
Yes	12.5%	
No	2.0%	0.009

# Data Summary

- Significant levels of chlamydia and gonorrhea
- Age, sex and disease
- Risk behaviors matter

# Outcomes

- Determined need—CT positivity
- Affirmed feasibility of outreach to this population
- Successful collaboration in a school without a clinic
  - School, LSU, OPH