



# STD's in Corrections: Fishing in a Stocked Pond

The Wayne County Jail Experience

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# Background

- Gonococcal and chlamydial infections among women asymptomatic
- Screening is an essential component of control and prevention
- Community prevalence highest among aged  $< 25$
- Prevalence among inmates is higher than the general population
- Lack of routinized screening for STD's in jails
- Risk factors among inmates
  - High-risk sexual behaviors
  - Substance abuse
  - Mental illness

# Wayne County Jails (WCJ) Detroit, MI

- Largest jail system in Michigan
- One of the top 50 jails in the US
  - Ranked 35<sup>th</sup> (2008)
  - 45,000-48,000 booked annually
- Pretrial felons, sentenced felons, & misdemeanants
- Three facilities
  - Division I: Andrew Baird Detention Facility (Detroit)
  - Division II: Old Wayne County Jail (Detroit)
    - Houses 1800 pre-trial inmates
  - Division III: William Dickerson Detention Facility (Hamtramck)
    - 862-bed jail sentenced non-violent offenders for up to one year



Photo courtesy of Wayne County Sheriff's Department

# History of STD Screening in WCJ

- Michigan Department of Community Health (MDCH) & Wayne County Health Department (WCHD)
- CT/GC screening of symptomatic inmates with presumptive treatment
- Syphilis screening for all inmates -> consistently low prevalence -> Increase in CT/GC in community
- Most females incarcerated for non-violent offenses
  - Sex-related i.e. Prostitution/solicitation
  - Possession of Illegal substances
- Reallocate resources from universal syphilis screening
  - Universal screening of all females only, AND
  - Implement pilot program of CT/GC screening

# The WCJ Pilot Program

- Purpose
  - Assess the prevalence of infection among female inmates
  - Develop recommendations to guide and expand future screening and education in jails
- IRB approved
- Target population
  - 300 females housed in the WCJ
  - Aged < 39 (Initially aged < 30)
  - Met high-risk inclusion criteria

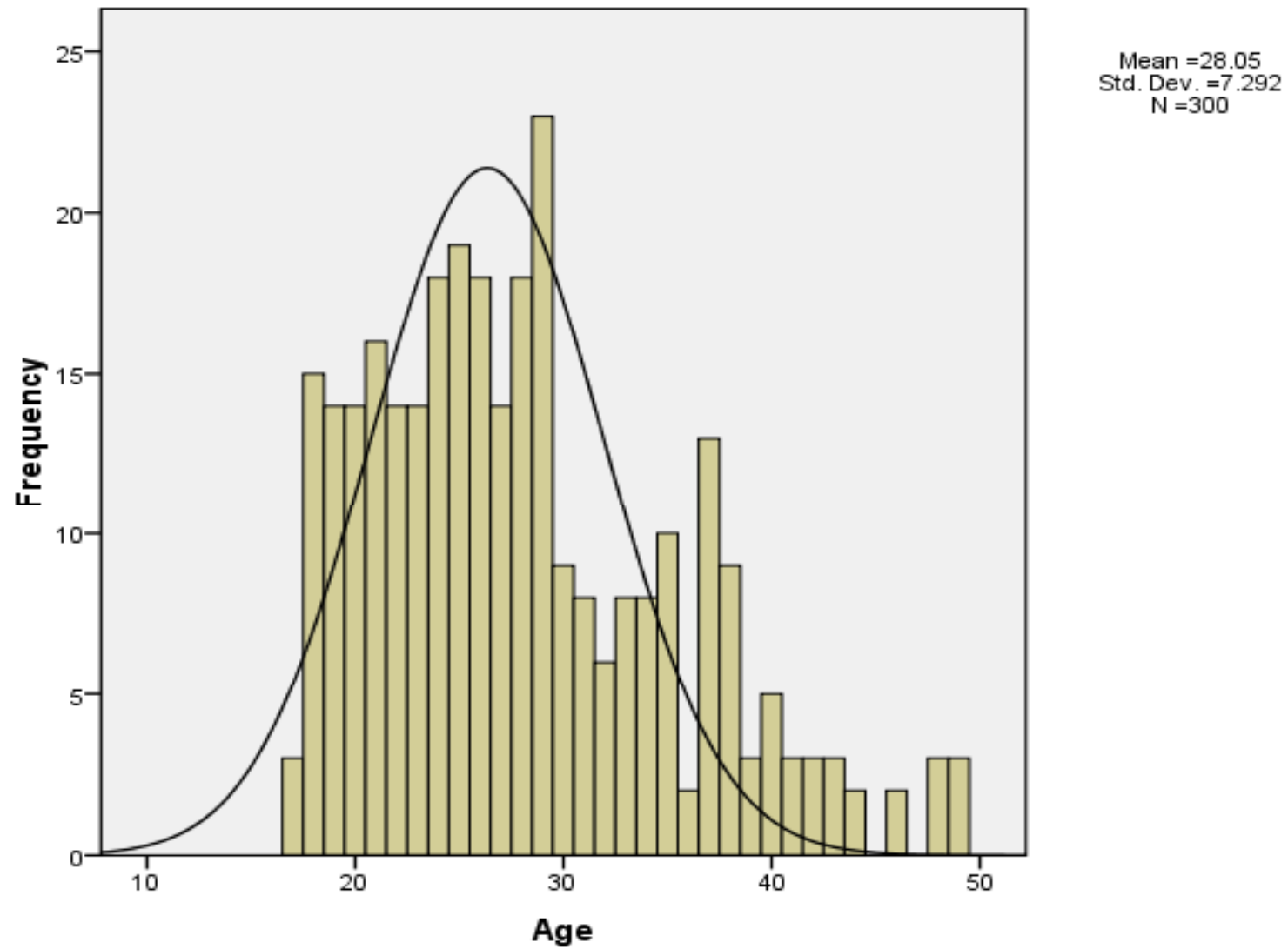


Photo courtesy of Wayne County Sheriff's Department

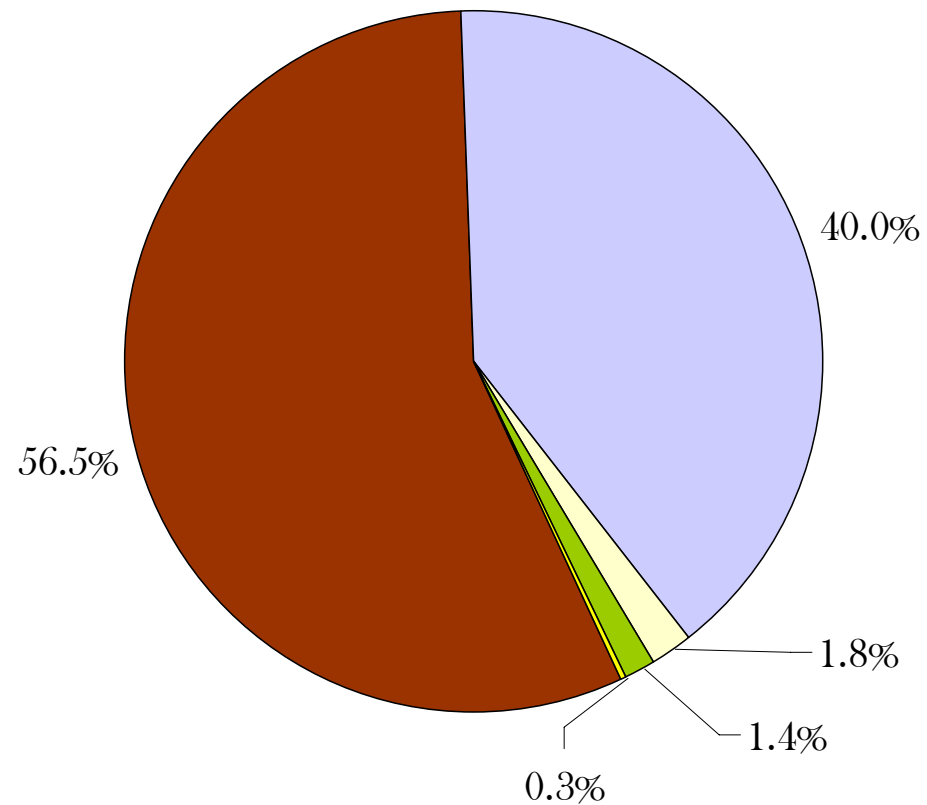
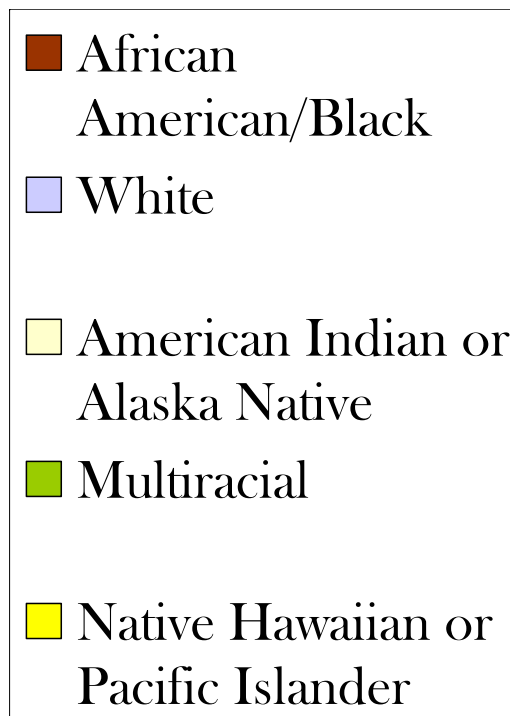
# The WCJ Program cont.

- Participation offered within 48-72 hours of booking during pregnancy screening
- Informed consent
- Behavioral risk assessment (20-questions)
- Urine-based screening NAAT
- STD education
- Tests forwarded to regional laboratory City of Detroit Department of Health & Wellness Promotion
- Results faxed to WCJ
- Michigan Dept. of Community Health provided medication
- Treatment in jail or notification sent to LHD and follow up letter sent to former inmates home
- Reporting to LHD

# Age distribution of participants



# Racial distribution of participants



## Results cont.

	Total	
	No.	Percent of Sample
Sexual history		
Partners in past year, mean $\pm$ standard deviation (n = 296)	7.0	$\pm$ 58.6
Current Chlamydia/Gonorrhea status		
Positive for Chlamydia	25	8.3
Positive for Gonorrhea	6	2.0
Positive for both	2	0.7
Negative for both	267	89.0
Sexually active with		
Males only	226	75.3
Females only	22	7.3
Both males and females	42	14.0
Neither (sexually inactive)	10	3.3

# Risk Assessment

MEASURE	N	% OF SAMPLE	(N) CT/GC	%
Condom use during sex	(284)			
<i>Every time</i>	52	18.3	4	12.1
<i>Sometimes</i>	188	66.2	24	72.7
<i>Never</i>	44	15.5	5	15.2
Used a condom the last time during sex	98	32.7	9	27.3
Exchanged sex for \$/drugs	56	18.7	10	30.3
Experiencing symptoms now	31	10.4	4	12.1
Substance use in last 12 months				
<i>Alcohol</i>	188	62.7	23	69.7
<i>Cocaine/Crack</i>	82	27.3	13	39.4
<i>Marijuana</i>	133	44.3	16	48.5
Had sex under the influence	153	51.0	15	45.5

# Challenges always present in jails

- Inmate turnover
  - $\approx$ 50% inmates booked are released within 24-48 hours
- The “culture” of jails
  - Security before care
  - Staff vs. Inmate/Patient
- Procedure design vs. Reality
  - Office & testing space (confidentiality)
  - Timing- When to test in booking process
  - Staff- Who will do it? Can staff be leveraged from other programs?

# Implementation Challenges

- Courier
- Lack of electronic medical record
- Timeliness of courier pick up and delivery of results
- Treatment
- Staff
- Sustainability

# Expanded Screening

- June 09-present
  - Target Population
    - Males aged < 29
    - Females aged < 39
    - Anyone high-risk
  - Risk assessment
  - Enhanced post-release follow-up
- Preliminary results
  - 377 screened (YTD)
    - Chlamydia (13.3%)
      - 58.7% Males
    - Gonorrhea (4.5%)
      - 61.5% Females
    - Dual infection
      - 57.1% Males

# Wayne County Juvenile Detention Facility (JDF)

- 194 bed residential facility
- Aged 9-21 years old
- Approximately 5,000 youth admitted each year
- Behavioral Risk factors
  - Early & unprotected sexual risk behaviors
  - High incidence of STDs
  - High rates of PID

# JDF CT/GC Screening Program

- Supported by MDCH
- All residents screened for CT/GC along with brief sexual history
- Urine-based NAAT screening
- Juve's positive for CT/GC are offered HIV testing through LHD
- Tests forwarded to LHD results faxed to JDF
- Treatment provided on site
- LHD provides community follow-up for youth released prior to diagnosis &/or treatment

# JDF Preliminary Results- Year One

- 5% of **ALL** CT/GC cases among youth aged 10-19 in City of Detroit were diagnosed at JDF
- 15% of the JDF population tested positive for an STD
- 65% treatment rate
- Partnership between JDF & LHD to increase treatment for released detainees
  - → 95% treatment rate

# Conclusions

- Incarcerated populations have a variety of high risk behaviors
- Limited access to care in the community
- Routinized jail-based CT/GC screening programs can effectively reach high-risk individuals and allow for treatment
- Post-release support required
- Inter- and intra-agency partnerships are essential

# Acknowledgements

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