

# **Infertility Prevention Project**

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*Disclaimer: The findings and conclusions in this presentation are those of the author and do not necessarily represent the views of the Centers for Disease Control and Prevention.*



# Topics

## National Infertility Prevention Project:

- History of IPP
- Budget and Funding
- Inter-Agency Agreement
- Regional Structure and Projects
- Ongoing Projects
- National Activities

# IPP History

## ■ Why?

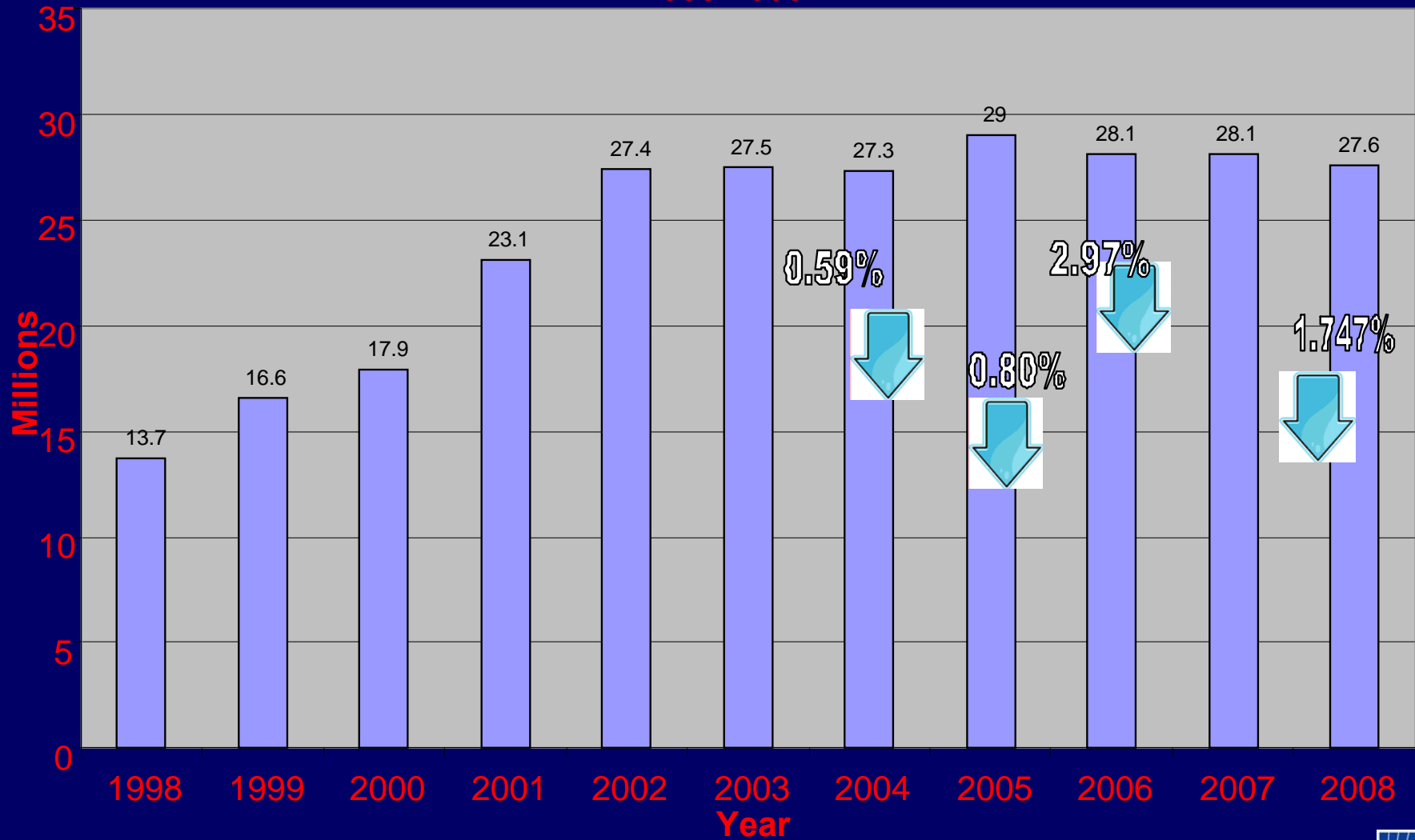
- » Chlamydia recognized as a cause of infertility
  - Gonorrhea known to cause infertility
- » Attempt to engage new partners
- » Goals
  - To identify and treat the maximum number of CT/GC-infected women thereby limiting the number of women who develop PID, infertility, and other sequelae
  - To prevent new CT and GC infections in women (and their sex partners)
- » Expected Outcomes
  - Eventual decrease in case rates and morbidity
  - Decrease in prevalence
  - Develop the ability to measure PID and infertility widely

# IPP History

- Region X Demonstration Project 1988
  - Expanded 1992 (III, VII, and VIII)
- Congressional Appropriation 1992
  - Public Health Service Act Section 318A
    - » “Preventable cases of infertility arising as a result of sexually transmitted diseases”
    - » Authorized activities targeting any STD causing infertility in women if not treated

# National IPP Funding Allocations

1998-2008



# Strategic Goals

- Division of STD Prevention Strategic Plan October 2008
  - Prevent STD-related infertility
    - » Screening and Treatment; Partner Services
  - Prevent adverse outcomes of pregnancy
  - Prevent STD-related cancers
  - Prevent STD-related HIV transmission and acquisition
  - Strengthen STD prevention capacity and infrastructure
  - Reduce STD health disparities
  - Address effects of social and economic determinants and costs of STDs and associated *sequelae* among specific populations

# Infrastructure Funding and Activities

## CDC-OPA IAA

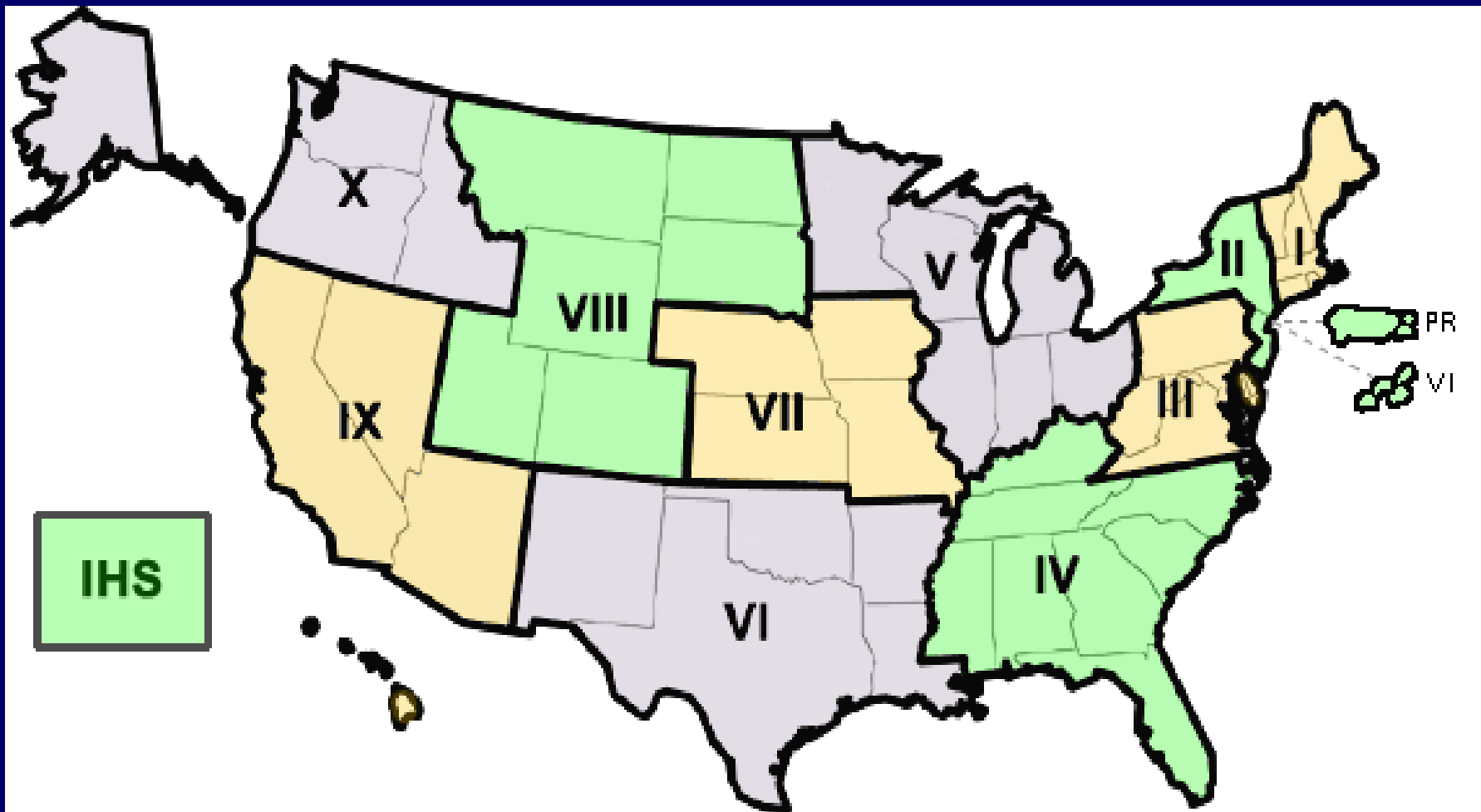
- Coordinate Regional Meetings
  - Assure Equal Partnership
  - STD, FP and Lab
- Regional IPP Plan
- Conduct Site Visits
- Support National CT Prevention Activities
- Evaluate and Disseminate Data
- Data Quality Assurance
- Infrastructure Performance Measures
- Data Management
  - Collection
  - Quality Assurance
  - Analysis
  - Dissemination
- Attend Regional Coordinators Meetings
- *Special Projects*
- *Regional GC Meetings*

# Project Area Funding and Activities

## CSPS IPP 09-902

- Ensure CT and GC Screening and Treatment
- Support Lab Testing
- Ensure Collection and Reporting of all core CDC data elements
- Provide Program Management
- Ensure Provider Training
- Grant Development
- **Use Data to plan programs**
  - Prevalence Monitoring
  - Surveillance
  - Performance Measures
- **50% Rule**
  - Enhanced Flexibility
- **Minimum 3% CT Positivity**
- **Male Screening**
  - Up to 15% of IPP funds
- **Targeted GC Screening**
  - Up to 10% of IPP funds
  - GC Burden Calculation

# IPP Regional Partners



# Regional Projects

## ■ Region I

- Capacity Building for local Data Analysis
- Laboratory Turnaround and Specimen Transit Studies
- Provider Assessment: Adherence to screening criteria

## ■ Region II

- Confidentiality of Adolescent Health Care Delivery
- Updated CT screening e-tool for CMEs
- Q-PMD Data Analysis

# Regional Projects

## ■ Region III

- Baseline assessment of testing practices for oral and rectal gonorrhea in FP clinics
- Analysis of CT prevalence in men
- WVA reduction in out-of-criteria screening
- “Over 20” Study

## ■ Region IV

- CT awareness campaign in historically African-American colleges and universities in partnership with Gen-Probe
- Gonorrhea Health Disparities Analysis

# Regional Projects

## ■ Region V

- State alliance meetings
- Illinois Test kit Allocation
- Treatment Processes in JDCs
- Large Jail Screening (HSREB)

## ■ Region VI

- Charter School Project with BD
- Regional Quality Assurance Project
- Gonorrhea Prevalence Study
- Jail Screening (HSREB)
- Geographic Data Analysis [zips and ASBM]

# Regional Projects

## ■ Region VII

- Development and implementation of a facility assessment tool
- Outreach to private OB/GYNs and HMOs
- “Worried Well” Study

## ■ Region VIII

- Assay Verification Protocols
- CT Persistence Study
- Rescreening Levels
- Emergency Contraception and PTO visits

# Regional Projects

## ■ Region IX-

- GC Screening Guidance
- Analysis of Pooling Specimens
- Jail Screening (HSREB)
- Pacific Island Assessments

## ■ Region X

- Extensive Data Analysis
  - Trends in CT positivity
  - Feasibility of multi-regional data analysis
  - Concurrency
  - CT and GC in AI NH and OPI

# National Activities

- National Objectives & Performance Measures

# National Objectives & Performance Measures

## ■ National Objectives

- » Epidemiologic Profile Pregnancy-Test Only clients
- » AI & AN Health Care Delivery Systems

## ■ Project Area Performance Measures

- » Timeliness of Treatment CT and GC in FP clinics
- » STD Clinics added 2007
- » GC Interviews modified 2009

## ■ Infrastructure Performance Measures

- » Among clients attending family planning clinics, the number of women screened for chlamydia, stratified by age.
- » Screening coverage estimate among sexually active 15-19 year old women in FP clinics

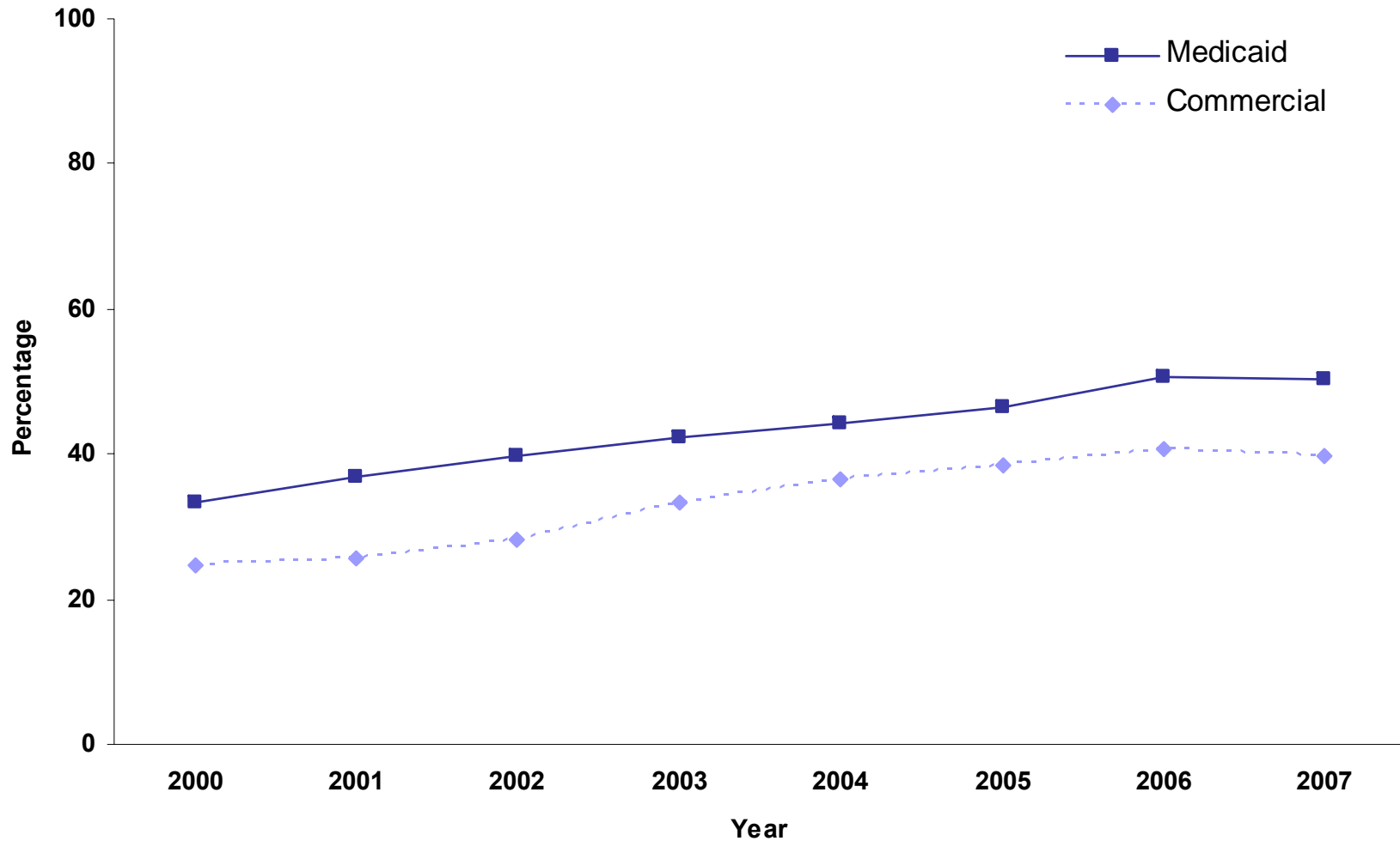
# Infrastructure Performance Measures

## Estimated Screening Coverage (%)

### Females 15-19 years old

Region	2005	2006	2007	2008
I	36	38	43	46
II	46	46	50	53
III	50	52	51	53
IV	53	53	46	50
V	47	47	47	No Data
VI	56	55	58	No Data
VII	59	54	55	57
VIII	40	41	40	No Data
IX	55	60	35	No Data
X	34	35	38	No Data
National	50	50	51	N/A

**Figure. Percentage of sexually active female enrollees aged 16–25 years who were screened for chlamydia, by health plan type and year – Healthcare Effectiveness Data and Information Set (HEDIS), 2000–2007**



# National Activities

- National Objectives & Performance Measures
- Gonorrhea

**V.D. CONTROL**  
MUSICAL PUBLIC SERVICE  
ANNOUNCEMENTS



producer: martin g. kugell  
composer: jeff fortgang  
art: randy henniker

**WHY GONORRHEA?**

# Gonorrhea rates, U.S., 1941-2007\*

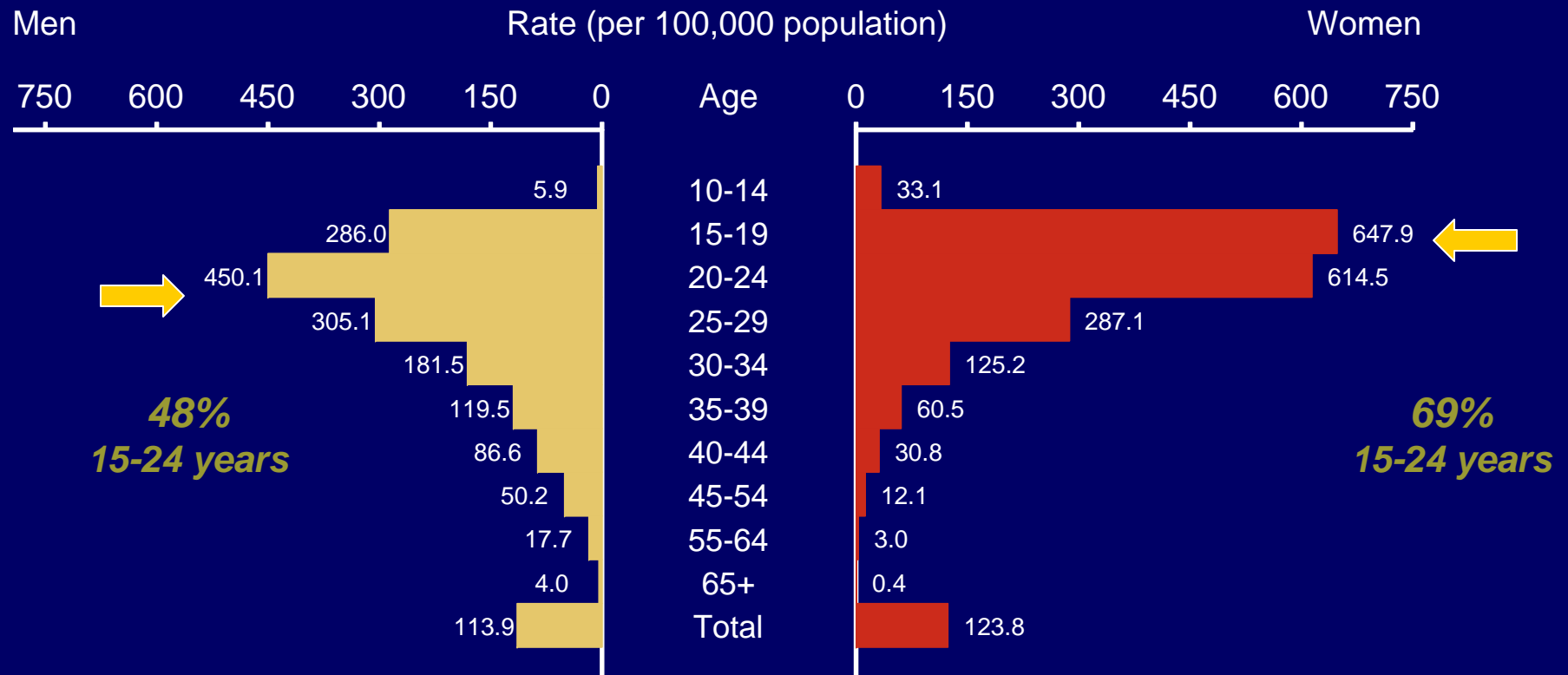
Rate (per 100,000 population)



\*Preliminary 2007 data

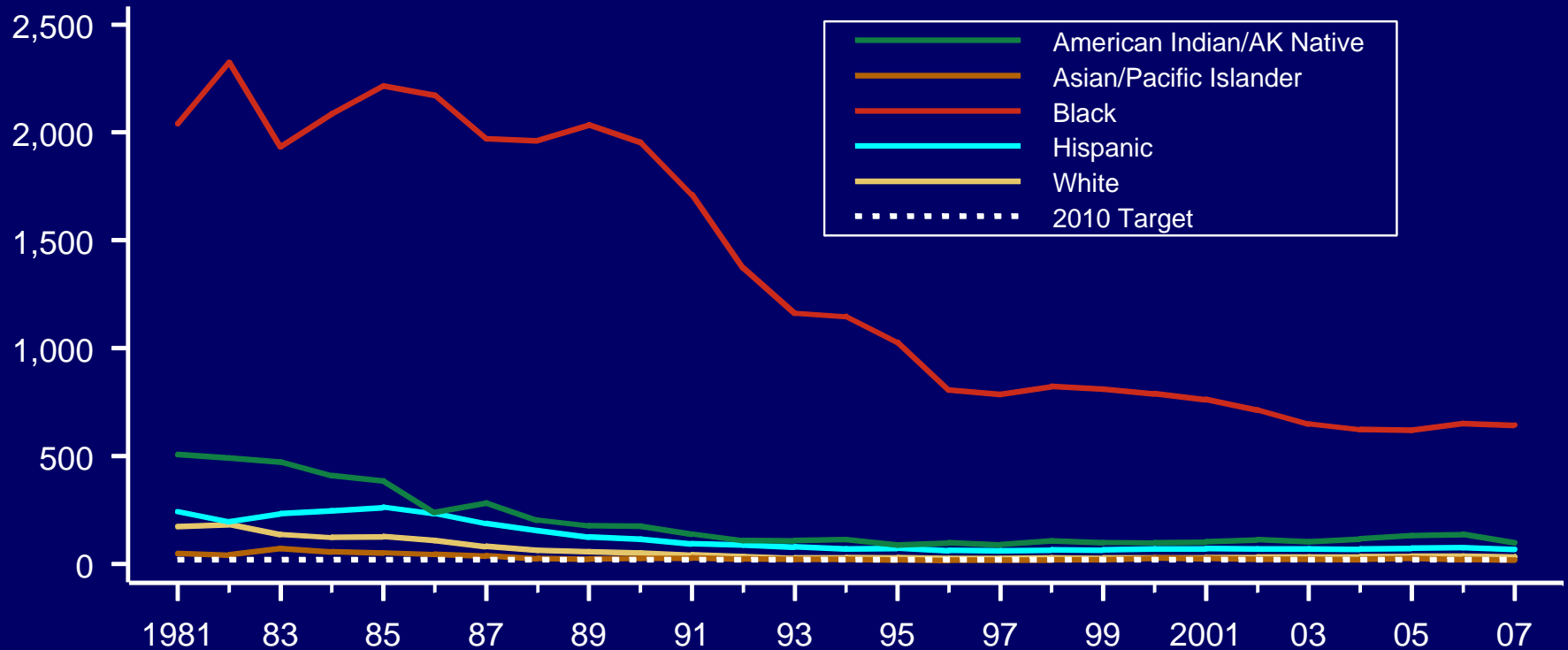


# Gonorrhea rates by age and sex, 2007



# Gonorrhea rates by race/ethnicity, 1981-2007\*

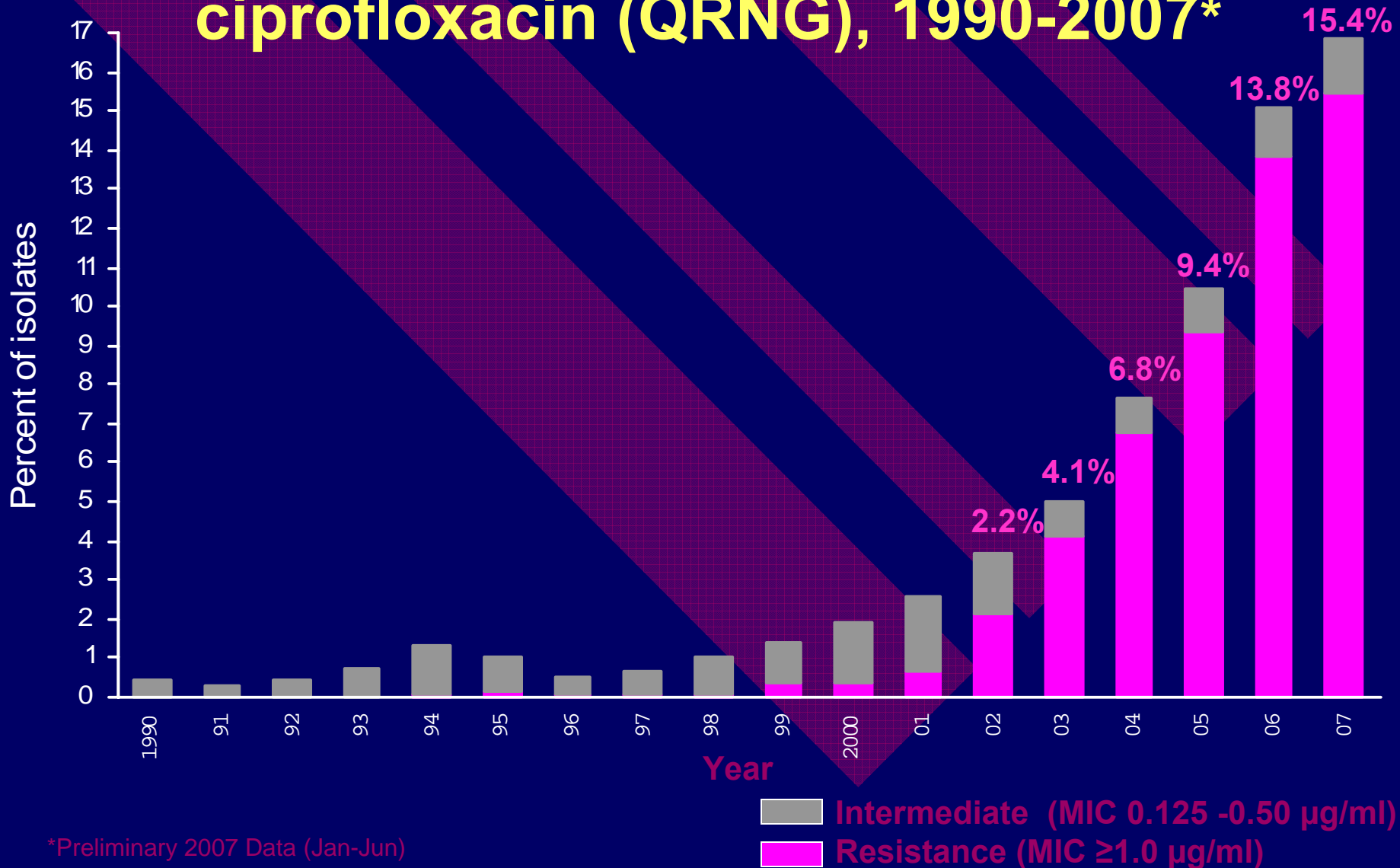
Rate (per 100,000 population)



\*Preliminary 2007 data



# Percentage of isolates from GISP with intermediate resistance or resistance to ciprofloxacin (QRNG), 1990-2007\*



\*Preliminary 2007 Data (Jan-Jun)

# Resistance to Cephalosporins

- Oral Cephalosporins (Cefixime et al)
  - » 2% Treatment Failure
  - » Increasing MICs since 2003
  - » Increasing number of GC strains with decreased susceptibility (GISP- CA and IL)
- Injectable Cephalosporins (Ceftriaxone)
  - » No documented treatment failures to date
  - » Increasing MICs since 2003
  - » Recommended treatment doses increasing

# Gonorrhea Activities

- Regional GC Meetings
  - » Morning Presentations
    - GC History and Current Epidemiology
    - Strategies Review
      - Screening, Treatment, Partner Services, Surveillance, Behavioral Interventions and Risk Reduction, Community Engagement, and Program Evaluation
  - » Afternoon Breakouts
    - Development of 2-3 cost neutral action steps for the next 6-9 months
- International Partnerships
- Domestic Outbreak Response Plan Development
- Basic Research
  - Molecular susceptibility test
  - Phase I clinical trial for combination therapy

# National Activities

- National Objectives & Performance Measures
- Gonorrhea
- Partnerships
  - » NACHC
  - » Partnership for Prevention
  - » National Chlamydia Coalition
  - » Armed Forces
- Consultations
  - » CT Immunology
  - » CT GC Laboratory Guidelines
  - » Treatment Guidelines
  - » Antibiotic Resistant Gonorrhea Outbreak Plans

# National Activities

- National Objectives & Performance Measures
- Gonorrhea
- Partnerships and Consultations
- Miscellaneous
  - » EPT
  - » GYT'09
  - » Data Standardization

# Questions?