

# **Tuberculosis Florida, 2004**



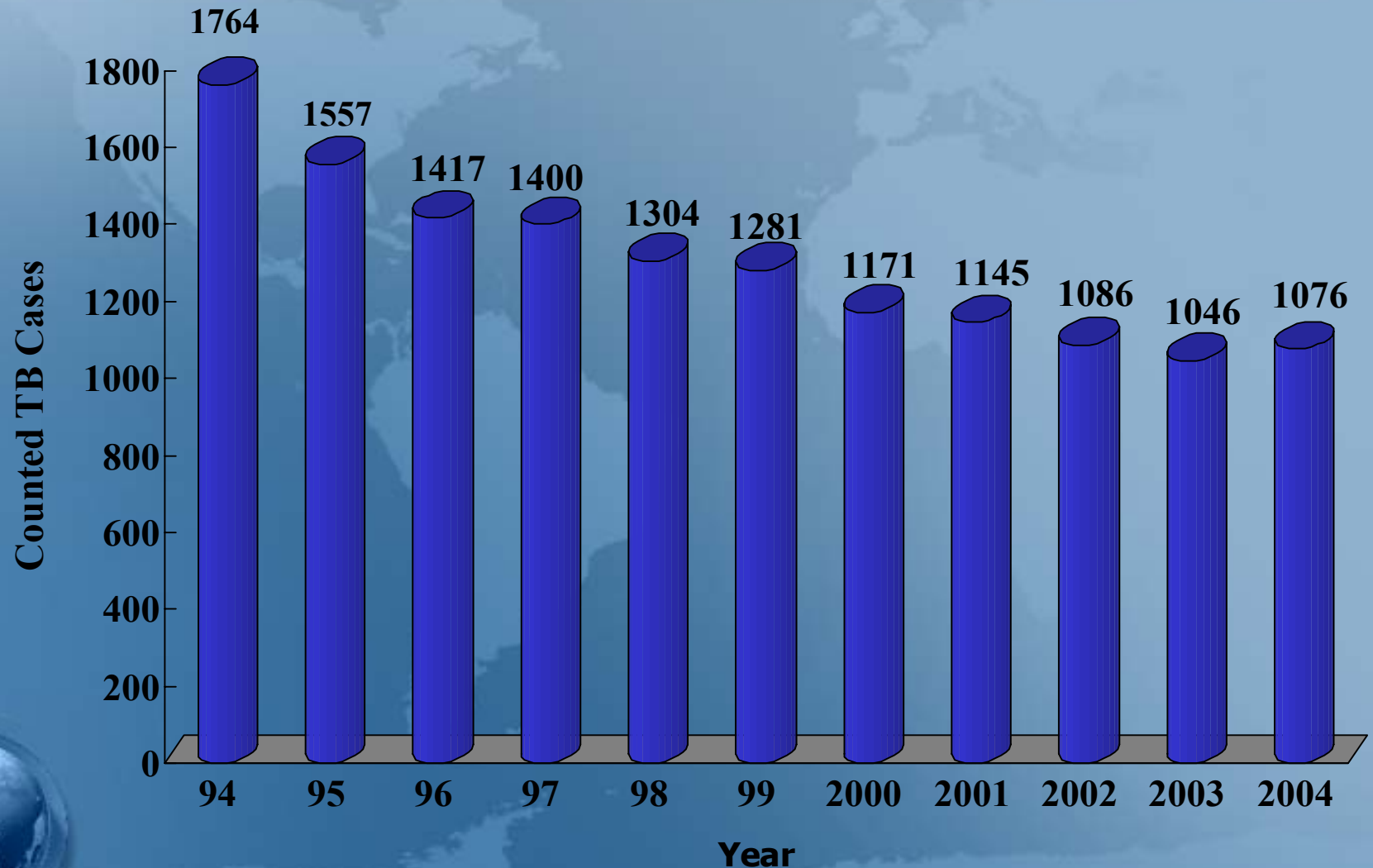
**Bureau of TB and Refugee Health  
Division of Disease Control  
4052 Bald Cypress Way, BIN A-20  
Tallahassee, Florida 32399-1717**

# Tuberculosis in Florida

- TB Cases and Case Rates
- TB Cases by Race and Race/Ethnicity
- TB Cases by Gender
- TB Cases by Occupation
- TB Cases by Age and Age Group
- TB Cases and Pediatrics
- TB and Disease Risk Factors

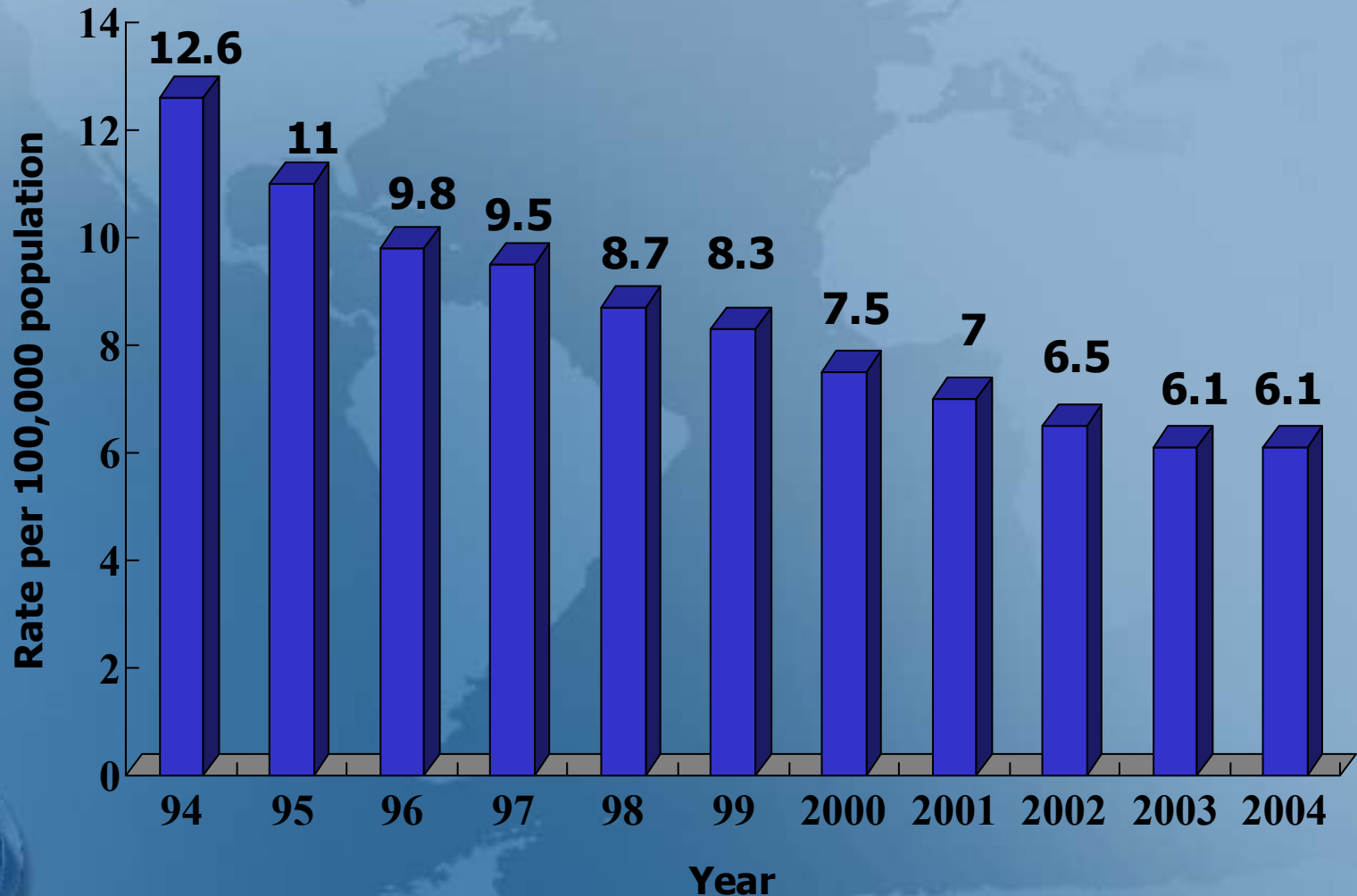


# Tuberculosis Cases Florida, 1994-2004



Data from TIMS

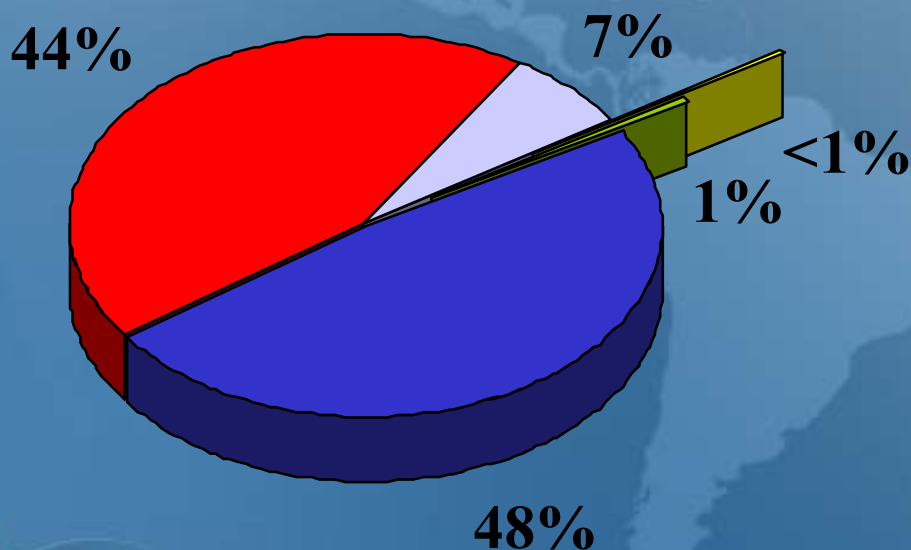
# Tuberculosis Rates Florida, 1994-2004



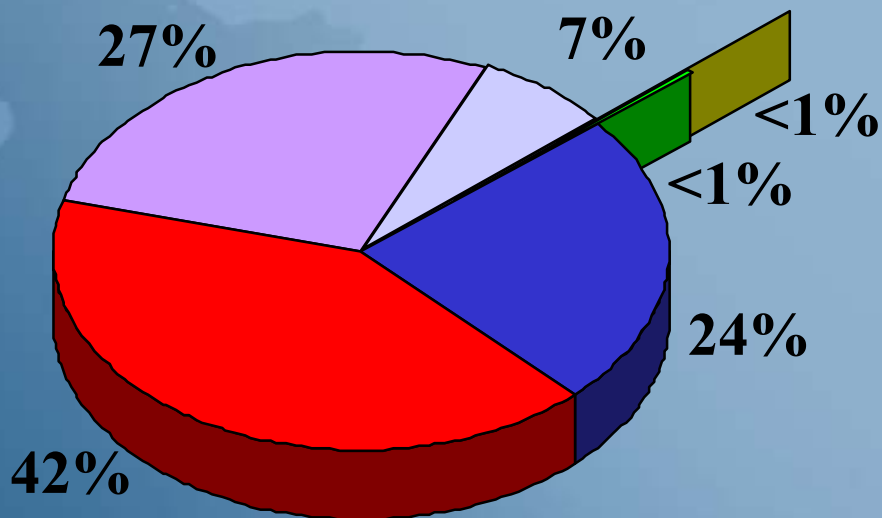
Data from TIMS

# Tuberculosis: Race and Ethnicity Florida, 2004

- White
- Black
- Asian Only
- Native Hawaiian
- Multi-Races



- White, non-Hisp
- Black, non-Hisp
- Hispanic-all races
- Asian
- Native Hawaiian
- Multi-Races



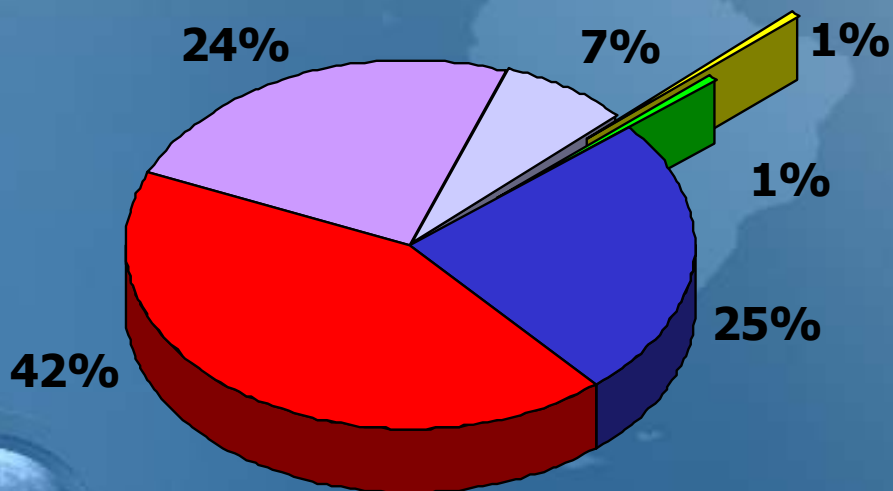
N=1,076

Data from TIMS  
Unknown Race <1%

# Tuberculosis by Race/Ethnicity Florida, 2003 and 2004 (cont.)

2003

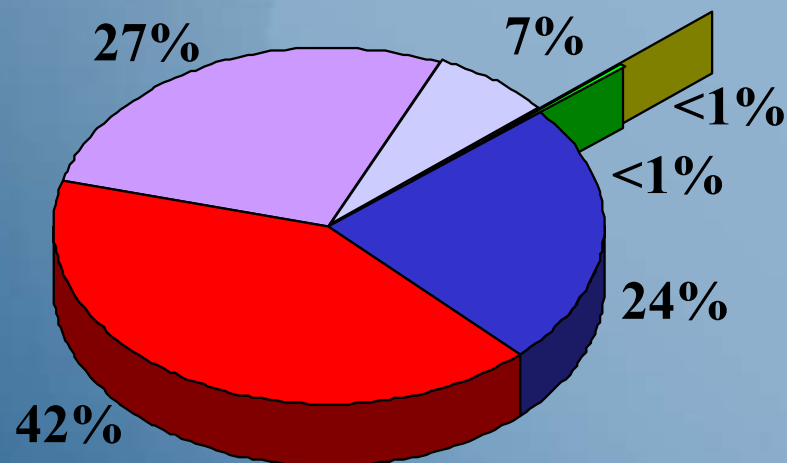
- White, non-Hisp
- Black, non-Hisp
- Hispanic-all races
- Asian
- Native Hawaiian
- Multi-Races



N=1,046

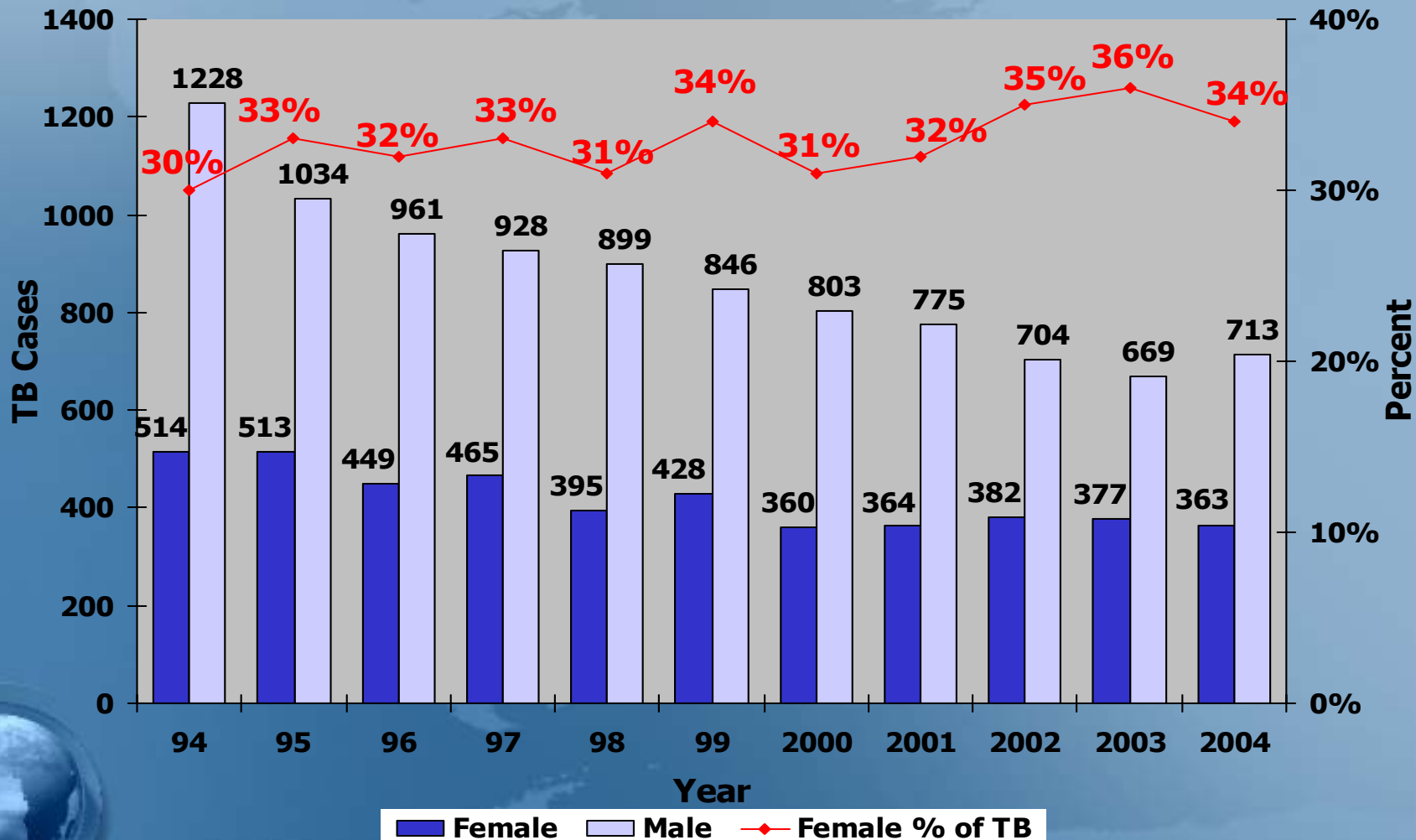
2004

- White, non-Hisp
- Black, non-Hisp
- Hispanic-all races
- Asian
- Native Hawaiian
- Multi-Races



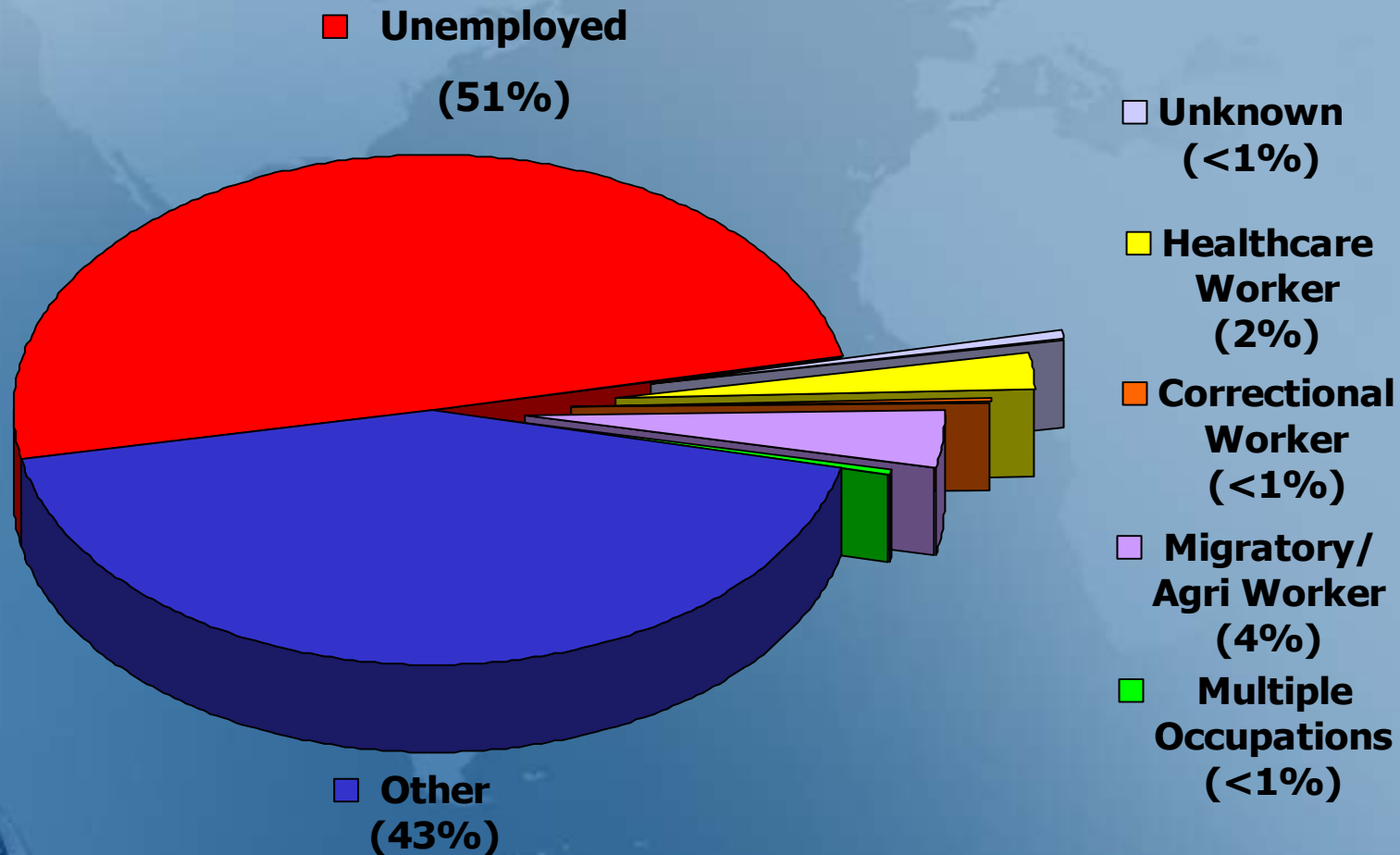
N=1,076

# Tuberculosis and Gender Florida, 1994-2004



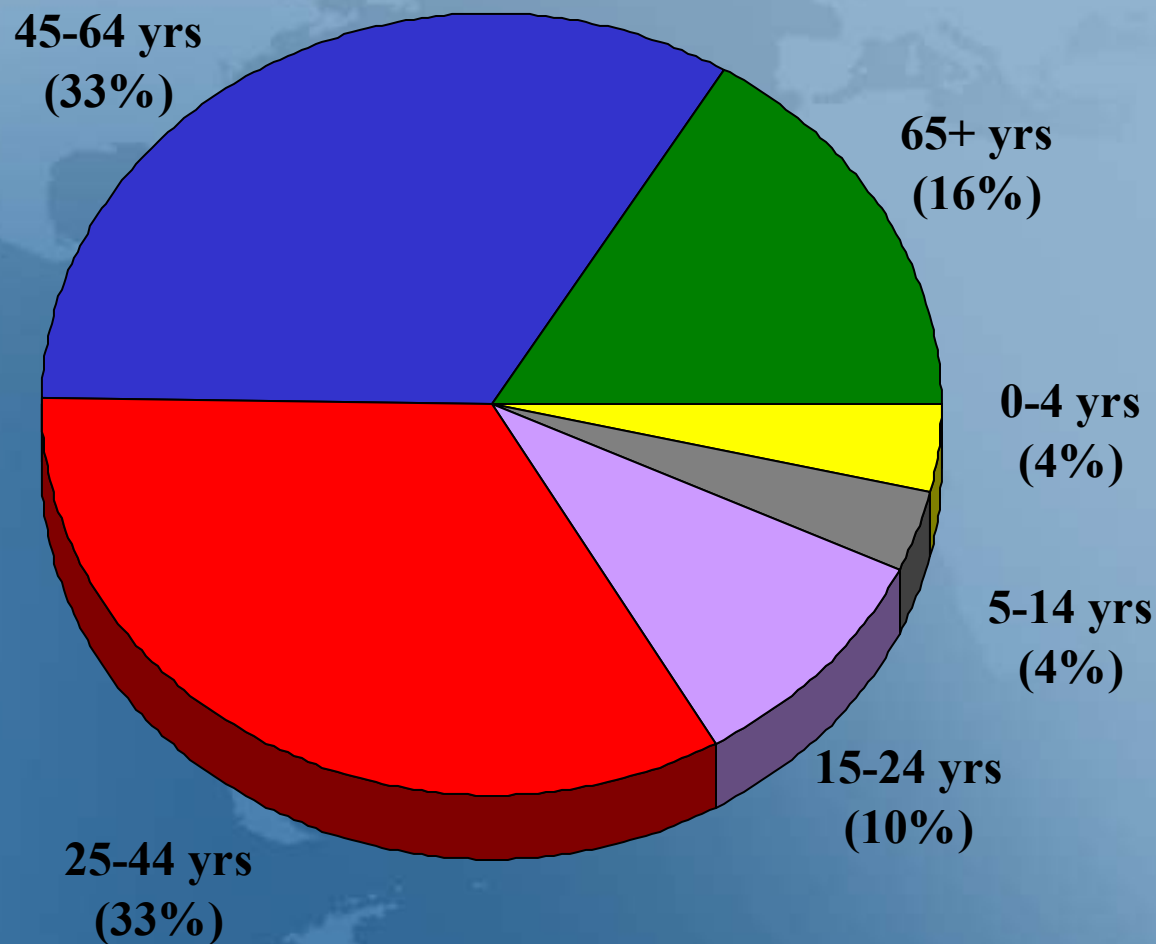
Data from TIMS

# Tuberculosis by Occupation Florida, 2004



Data from TIMS  
N=1,076

# Tuberculosis by Age Group Florida, 2004



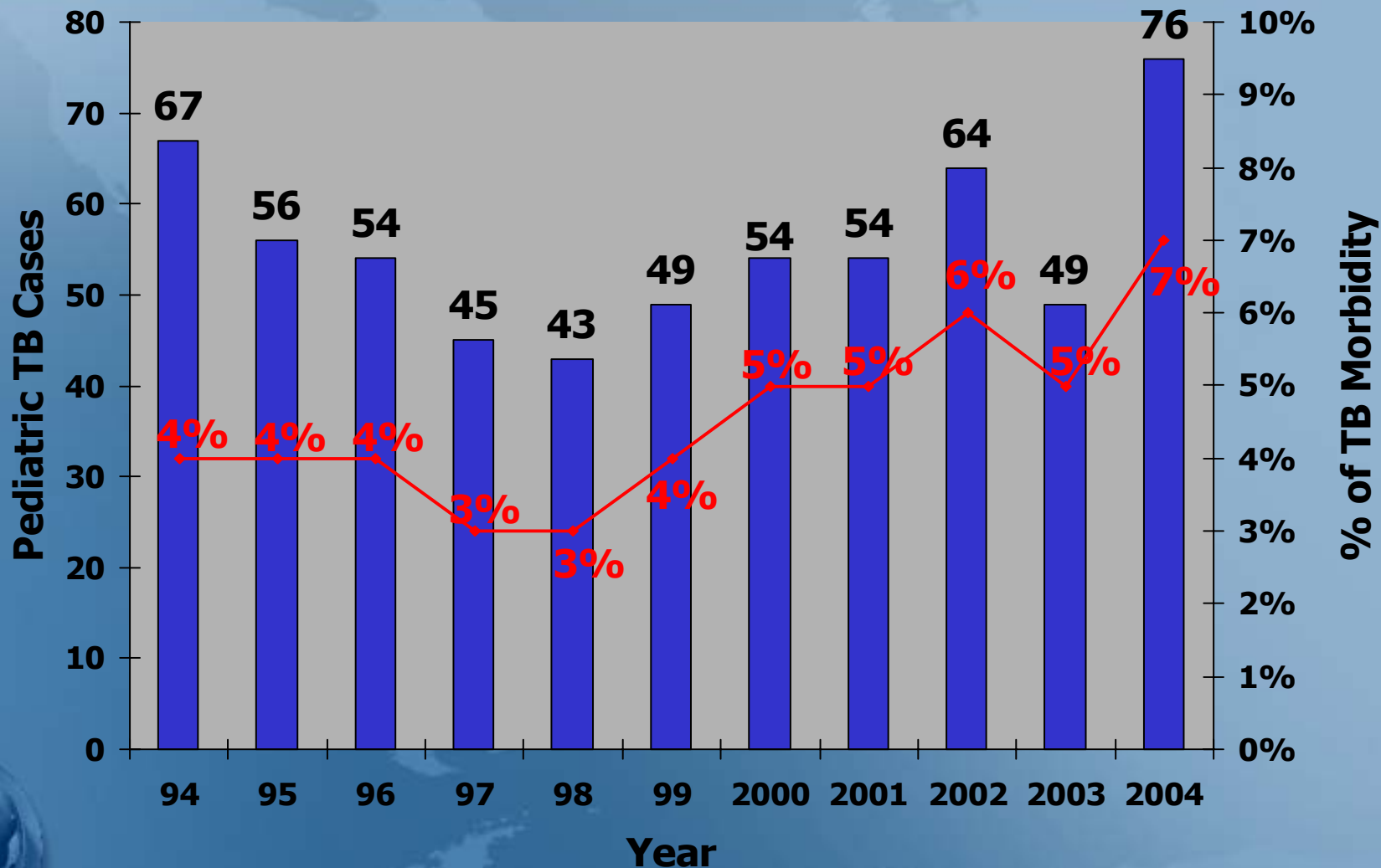
Data from TIMS  
Percents have been rounded

# Tuberculosis by Age Group Florida, 2003 and 2004 (cont.)

	<b>2003 Cases</b>	<b>% of TB (1,046)</b>	<b>2004 Cases</b>	<b>% of TB (1,076)</b>
<b>0 to 4</b>	<b>22</b>	<b>2.1</b>	<b>38</b>	<b>3.5</b>
<b>5 to 14</b>	<b>27</b>	<b>2.6</b>	<b>38</b>	<b>3.5</b>
<b>15 to 24</b>	<b>76</b>	<b>7.3</b>	<b>104</b>	<b>9.7</b>
<b>25 to 44</b>	<b>371</b>	<b>35.5</b>	<b>360</b>	<b>33.5</b>
<b>45 to 64</b>	<b>367</b>	<b>35.1</b>	<b>359</b>	<b>33.4</b>
<b>65 and older</b>	<b>183</b>	<b>17.5</b>	<b>177</b>	<b>16.4</b>

Data from TIMS

# Pediatric Tuberculosis Florida, 1994-2004



Data from TIMS  
Pediatric = 0-14 years of age

# Tuberculosis Disease and Risk Factors Florida, 2003 and 2004



Data from TIMS

# Tuberculosis and Florida's Foreign-Born

## Counted TB Cases:

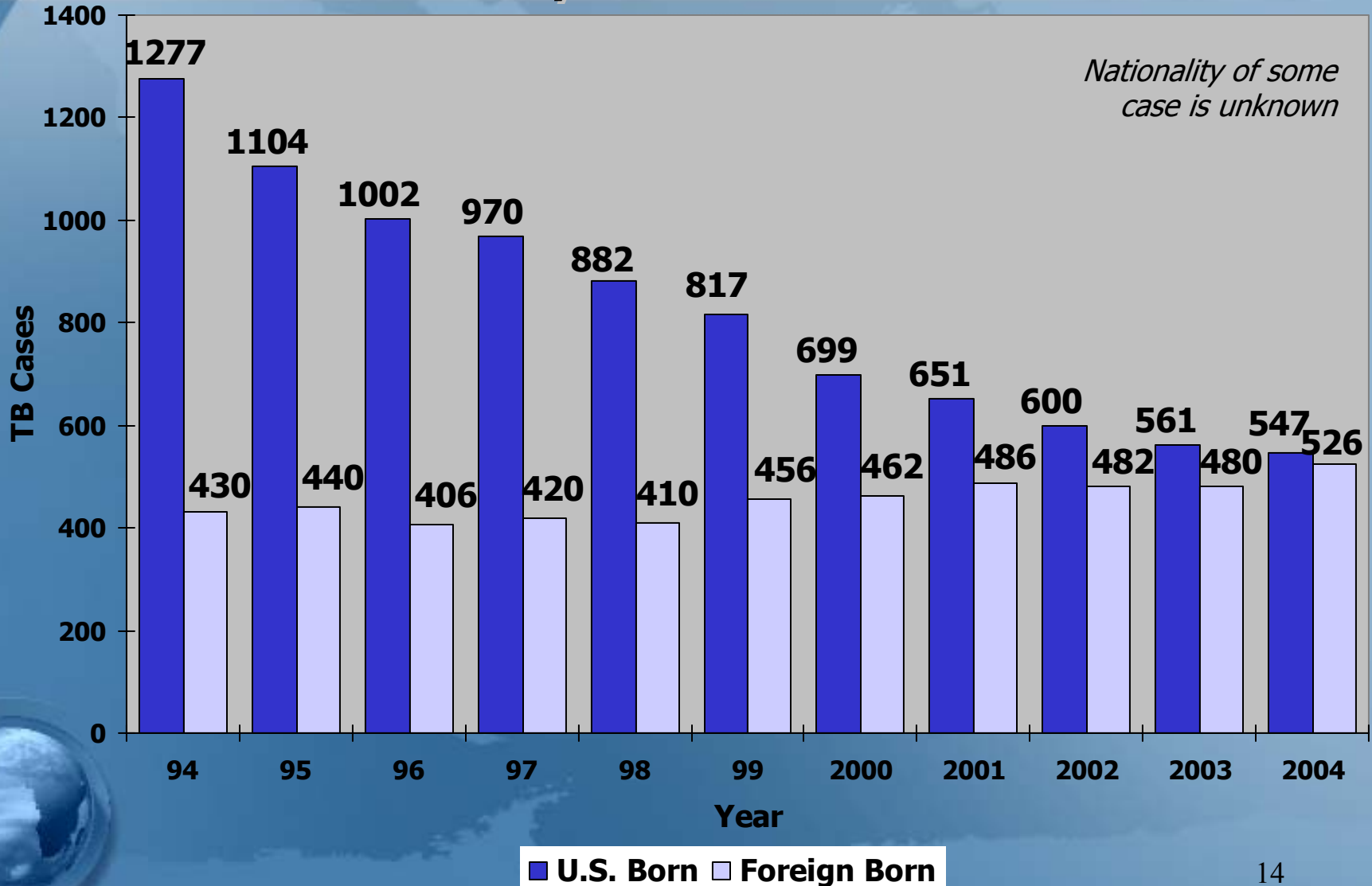
- U.S. vs Foreign-Born Cases
- Trend of Foreign-Born TB
- Country of Origin
- Cases by Counties
- Gender

## Risk Factors:

- Race and Age
- HIV Status
- Substance Abuse
  - Alcohol
  - Drugs
- Homelessness



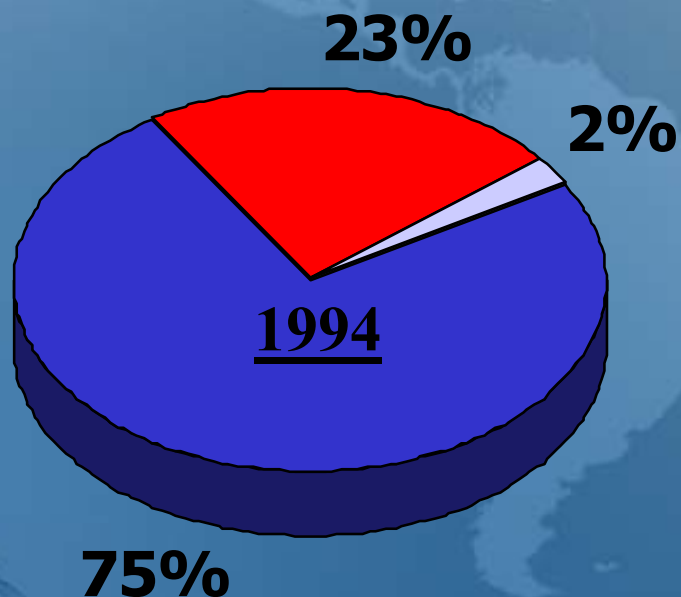
# Tuberculosis, U.S Born and Foreign-Born Florida, 1994-2004



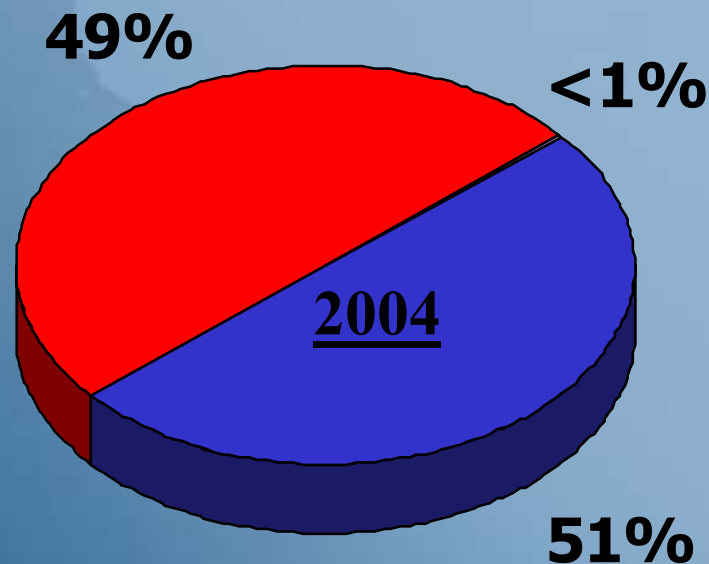
Data from TIMS

# Tuberculosis: U.S Born vs Foreign-Born Florida, 1994 and 2004

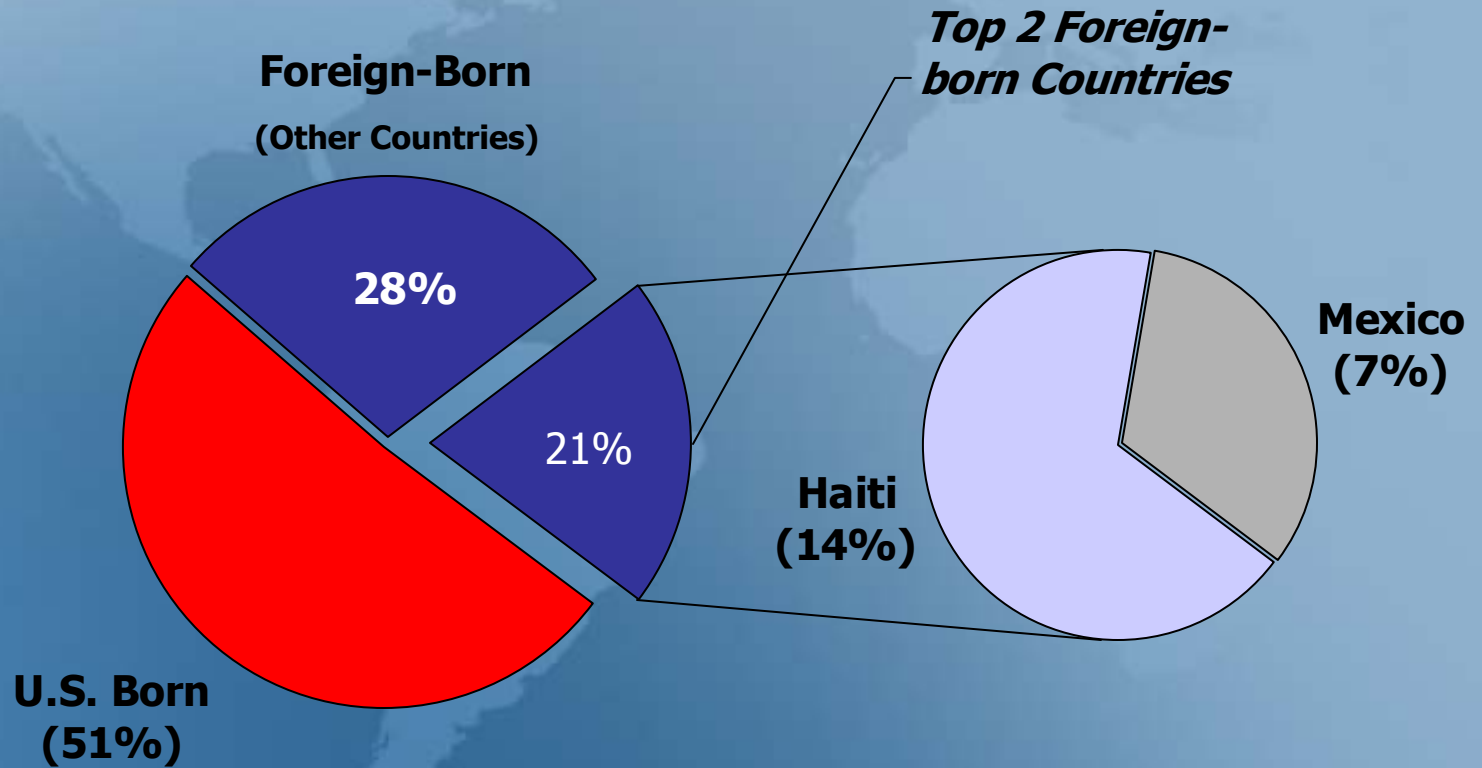
■ U.S. Born  
■ Foreign-Born  
■ Unknown



■ U.S. Born  
■ Foreign-Born  
■ Unknown (<1%)



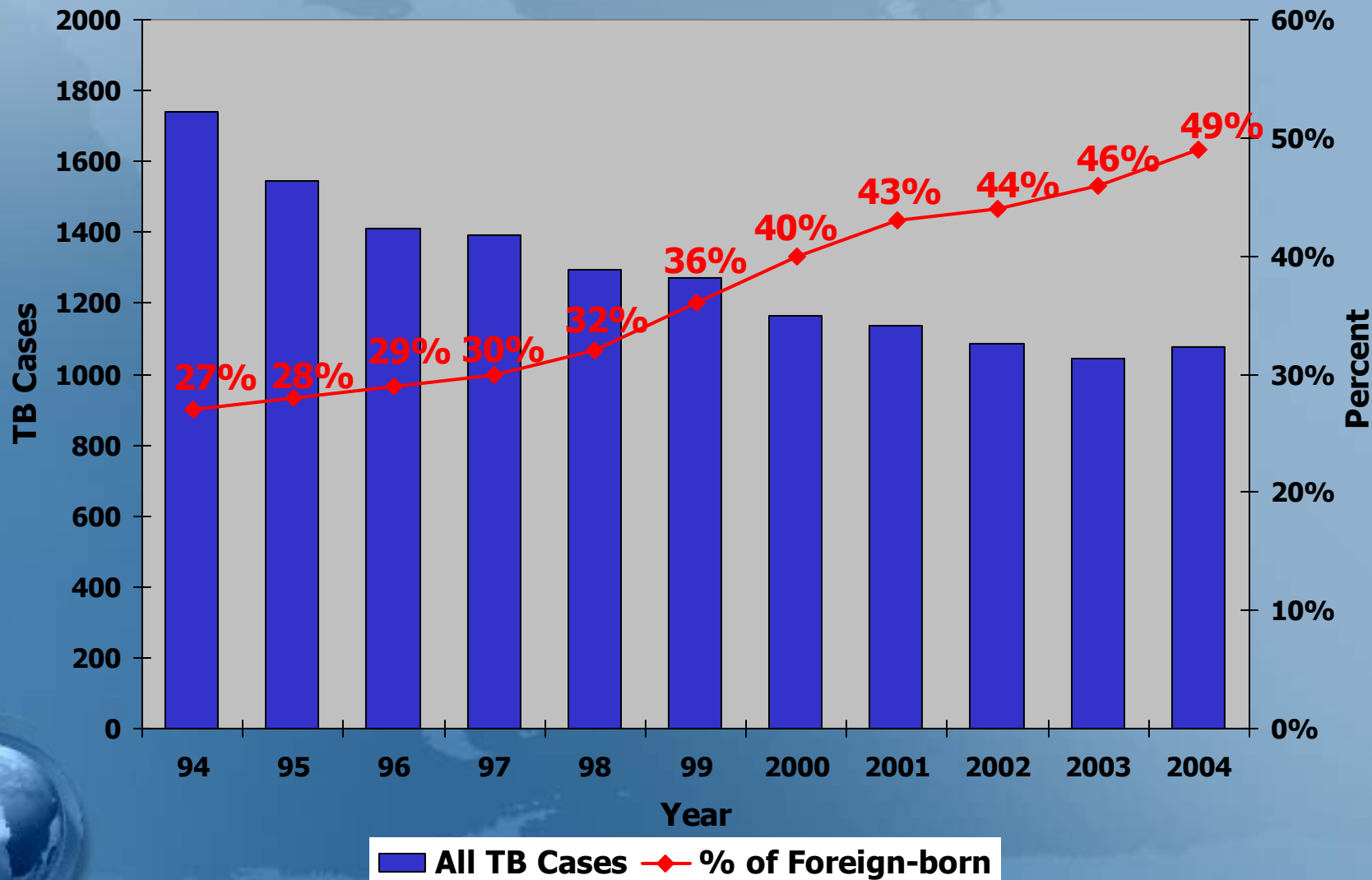
# Tuberculosis: U.S. vs Foreign-Born Florida 2004



■ U.S. Born ■ Foreign Born ■ Haiti ■ Mexico

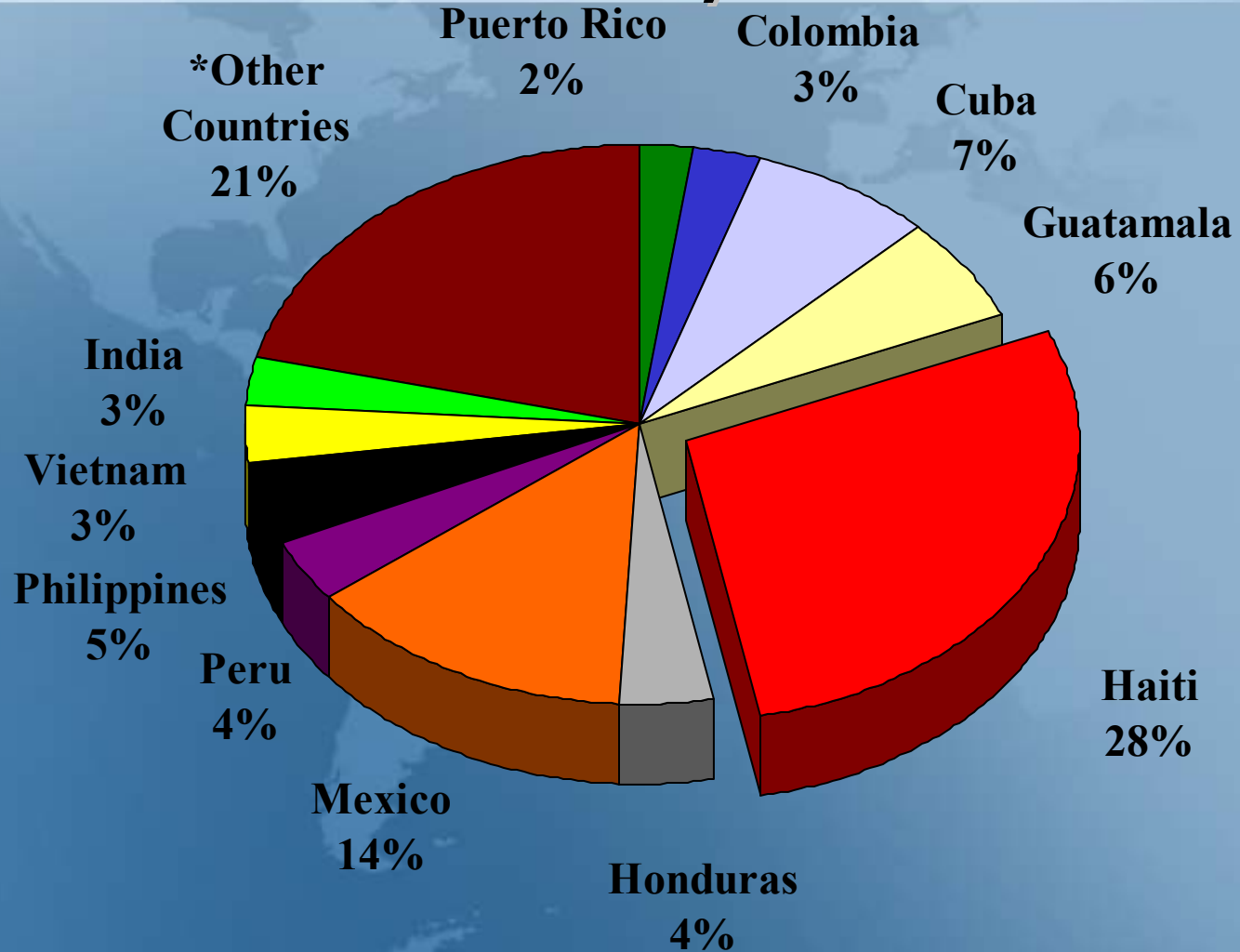
\*N=1,076  
\* < 1% Unknown

# Trends in Foreign-Born Tuberculosis Florida, 1994-2004



Data from TIMS

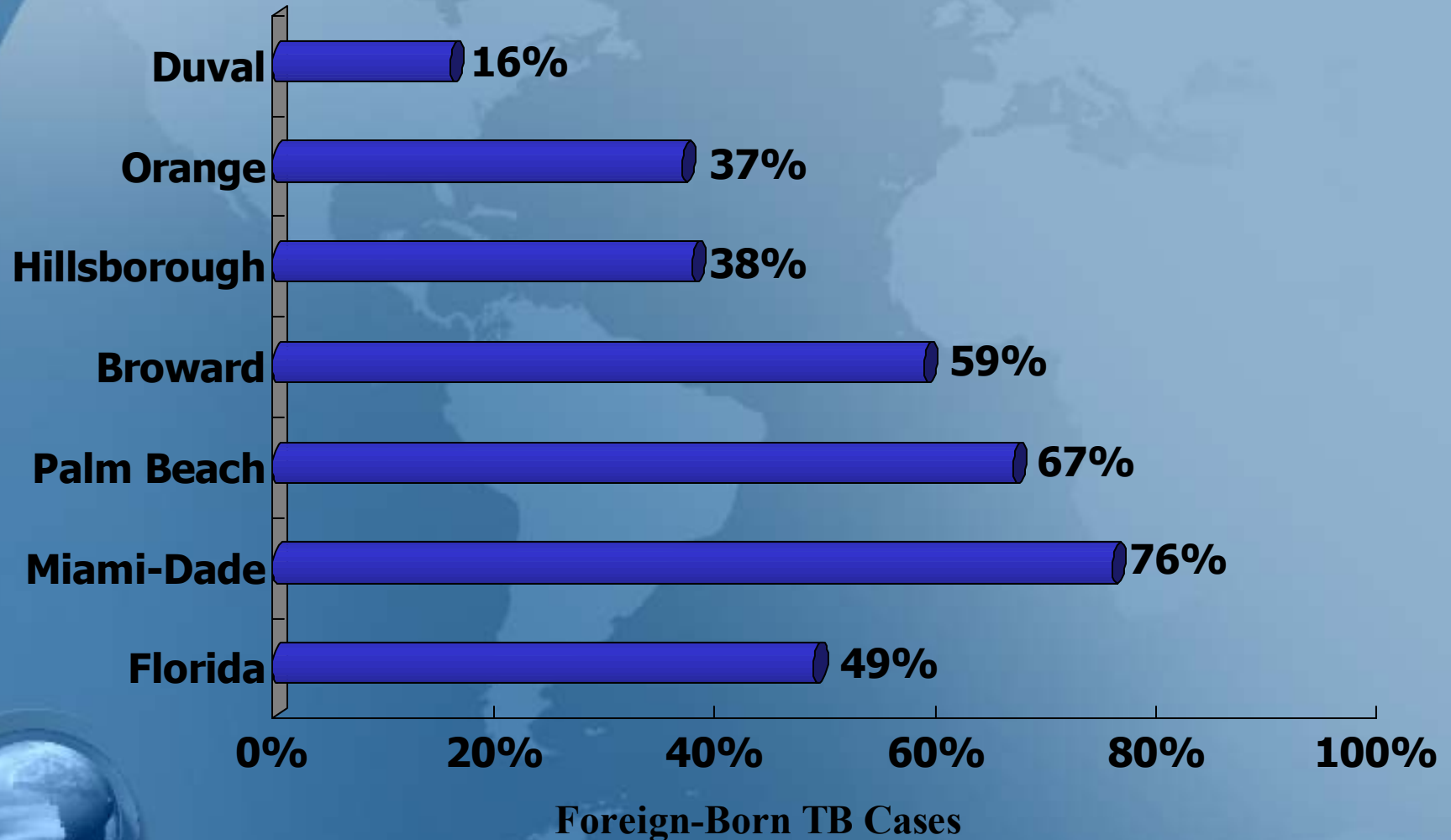
# Foreign-Born Tuberculosis Florida, 2004



Data from TIMS  
n=525 foreign-born

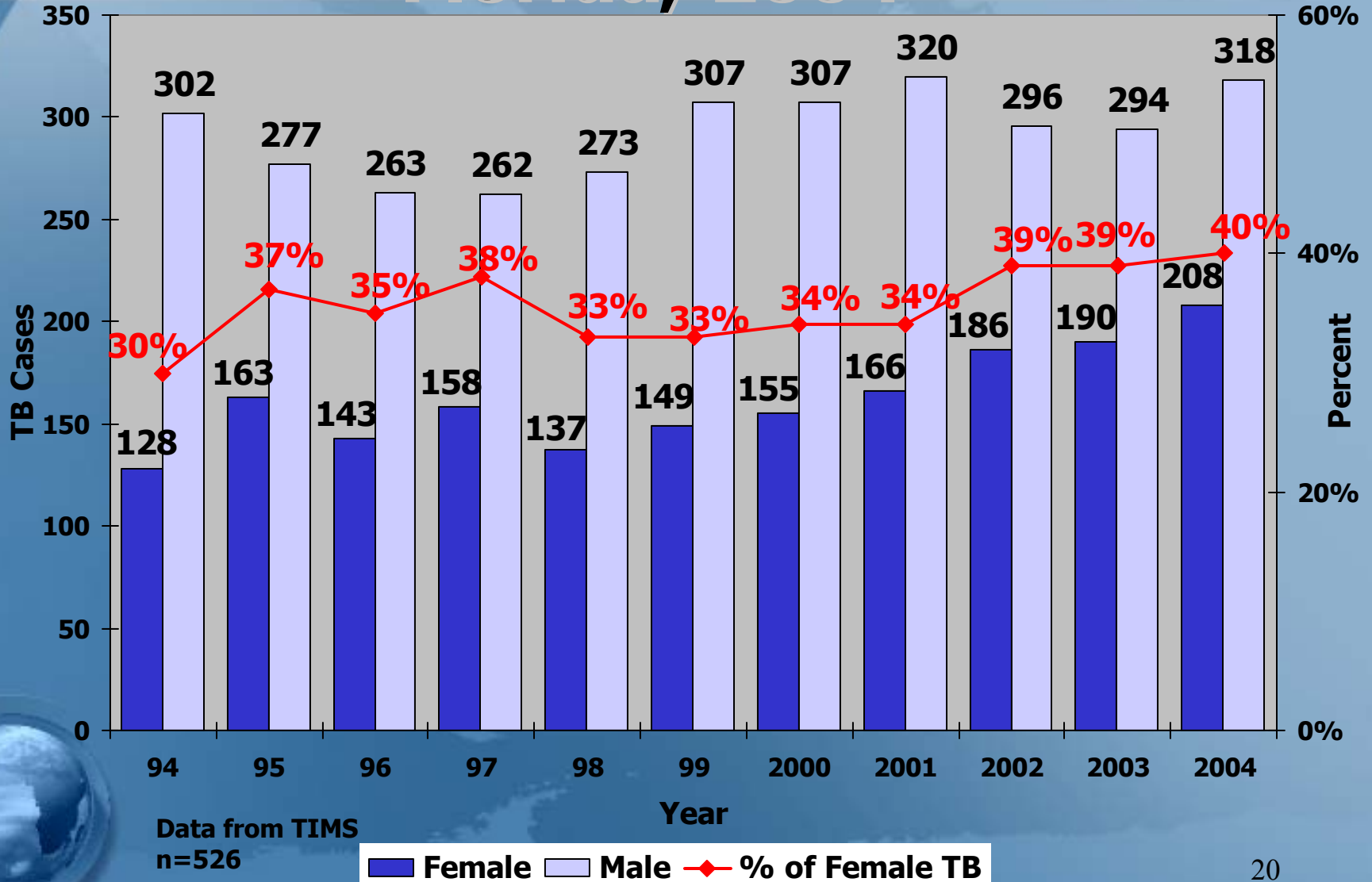
\*Countries that represent <2% of foreign-born cases

# Tuberculosis and the Foreign-Born Statewide vs "Big Six" Counties, 2004

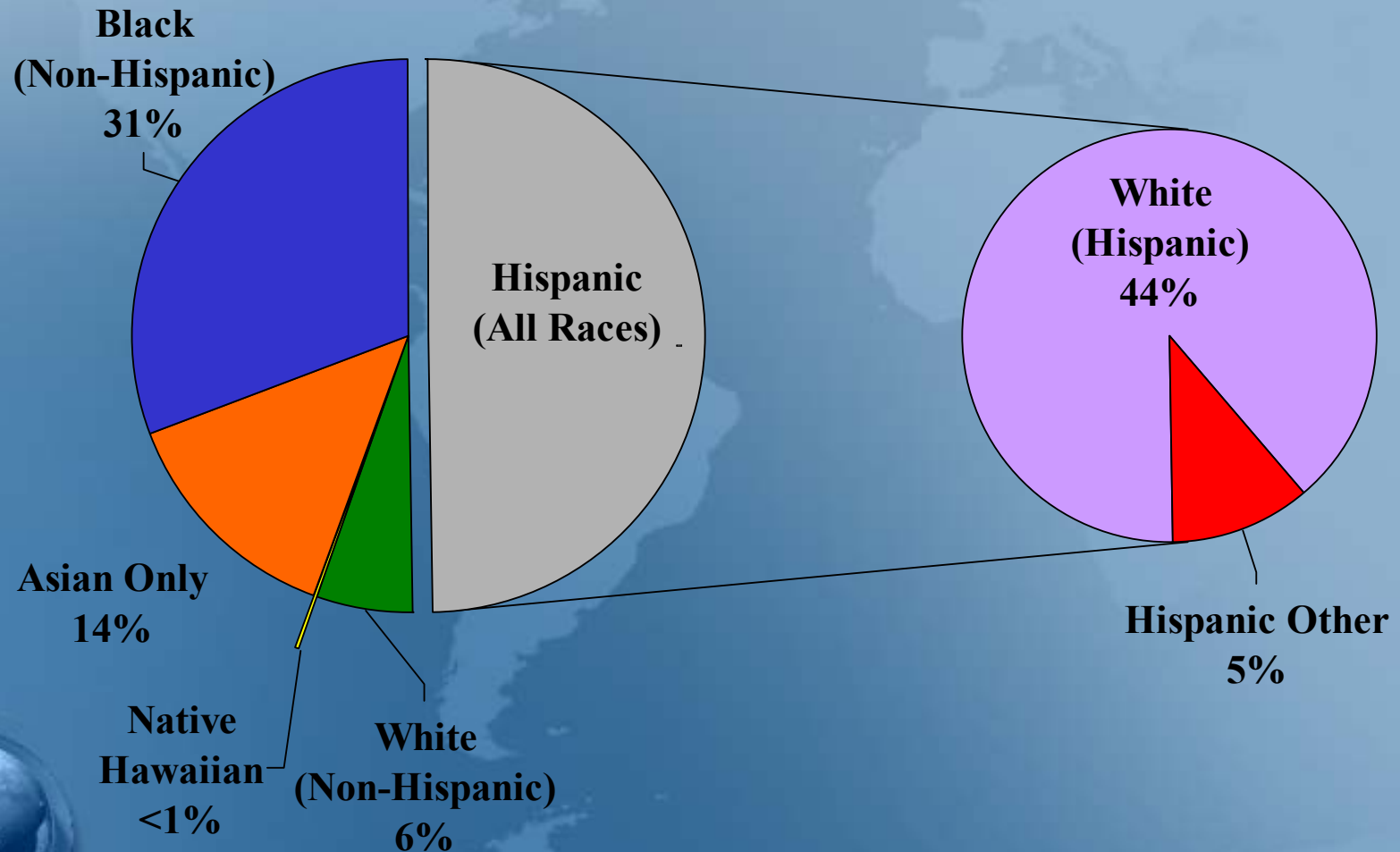


Data from TIMS  
County numbers do not contain State Prison cases

# Foreign-Born TB Cases by Gender Florida, 2004

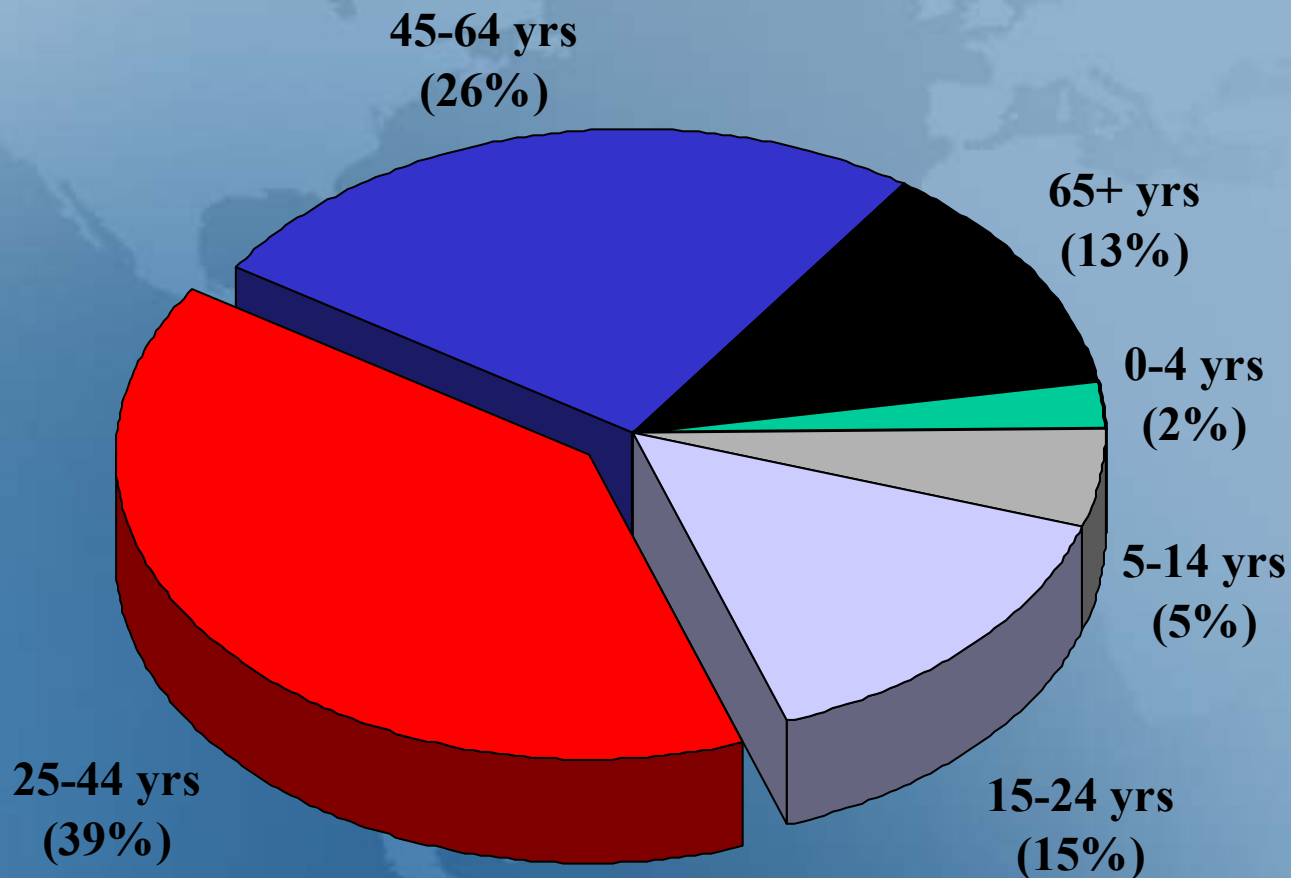


# Foreign-Born TB by Race & Ethnicity Florida, 2004



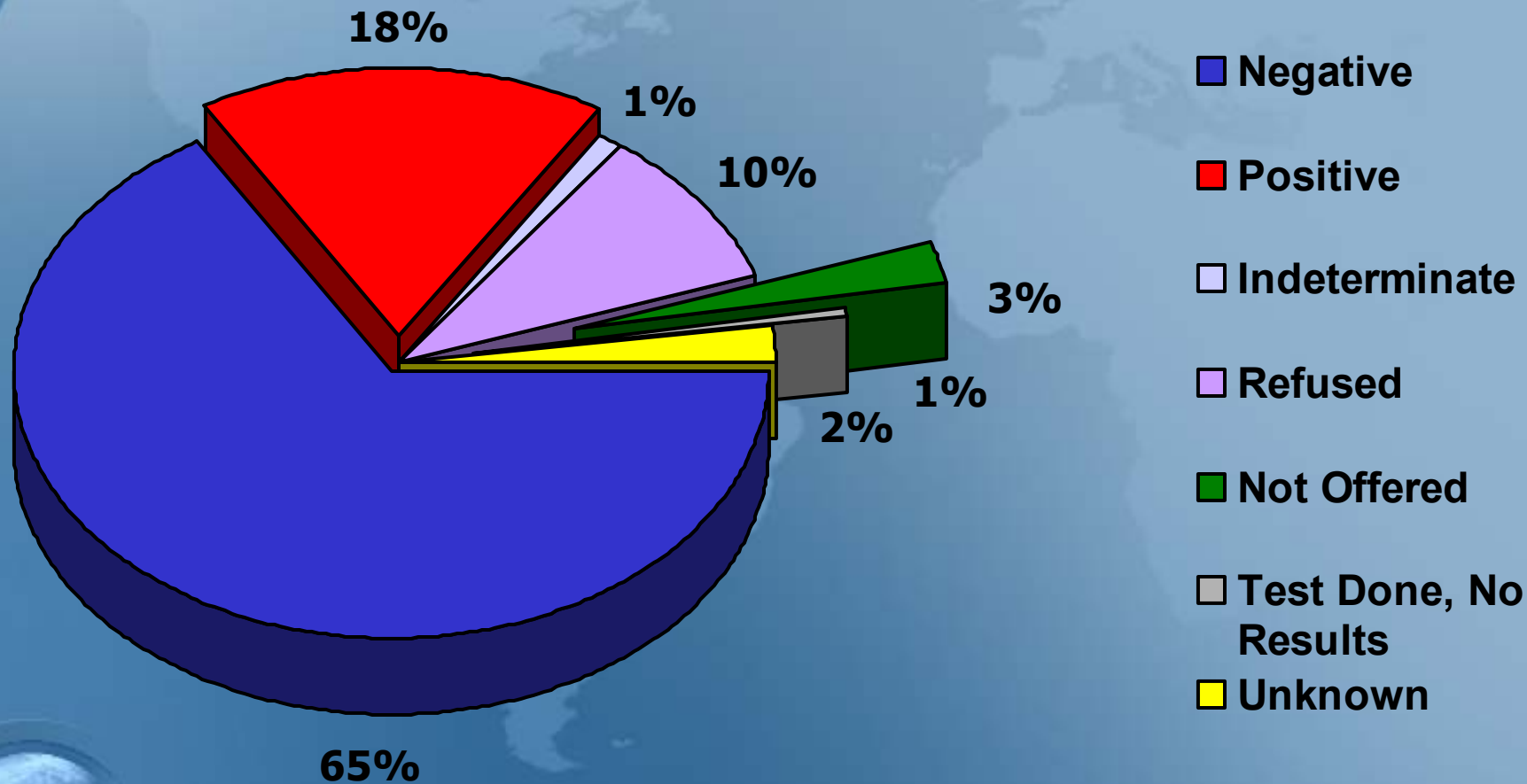
Data from TIMS  
Percentages are rounded  
n=526

# Foreign-Born Tuberculosis by Age Florida, 2004



Data from TIMS  
n=526

# Foreign-Born TB Cases by HIV Status Florida, 2004

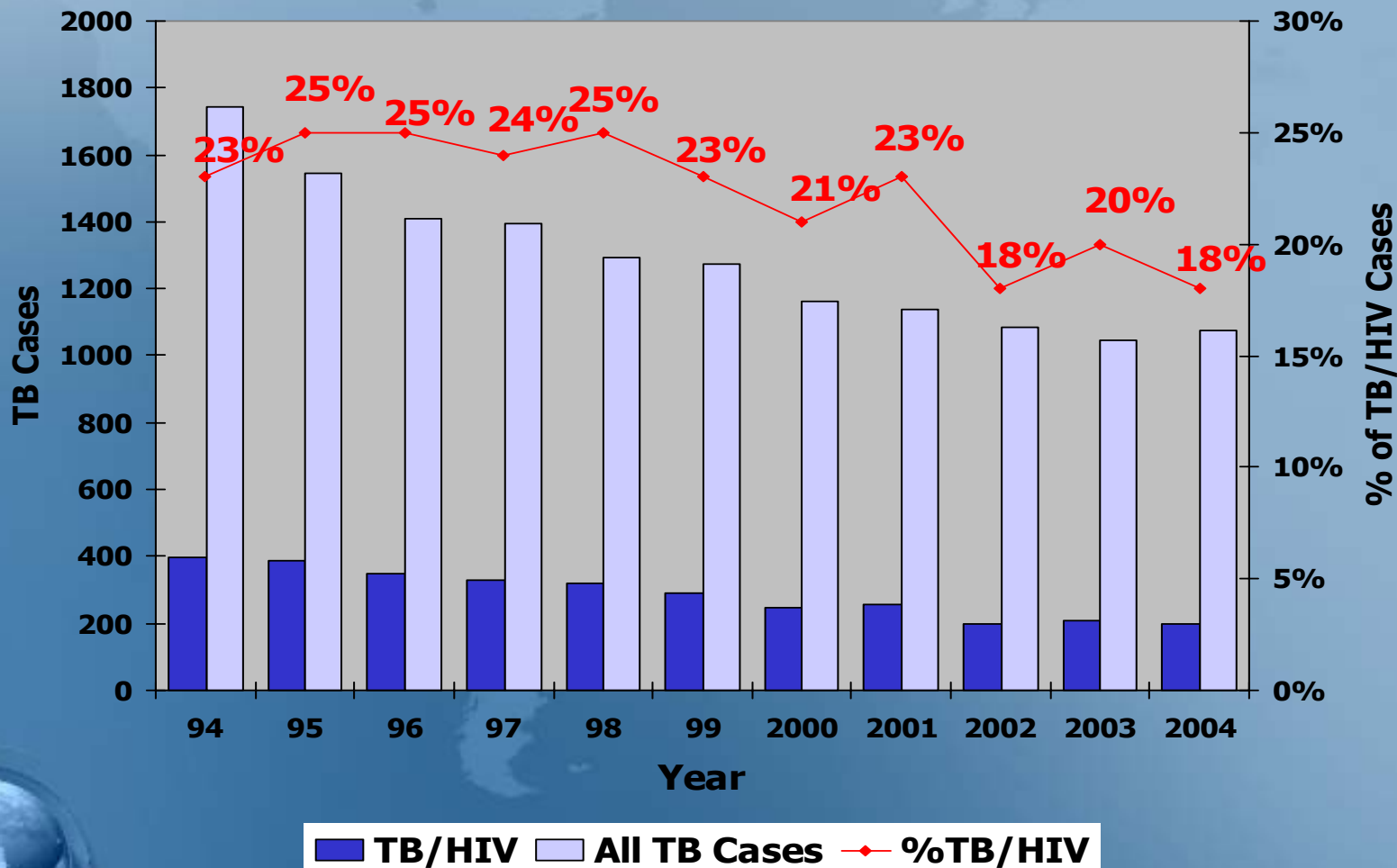


Data from TIMS  
n=526

# TB/HIV Co-Infection

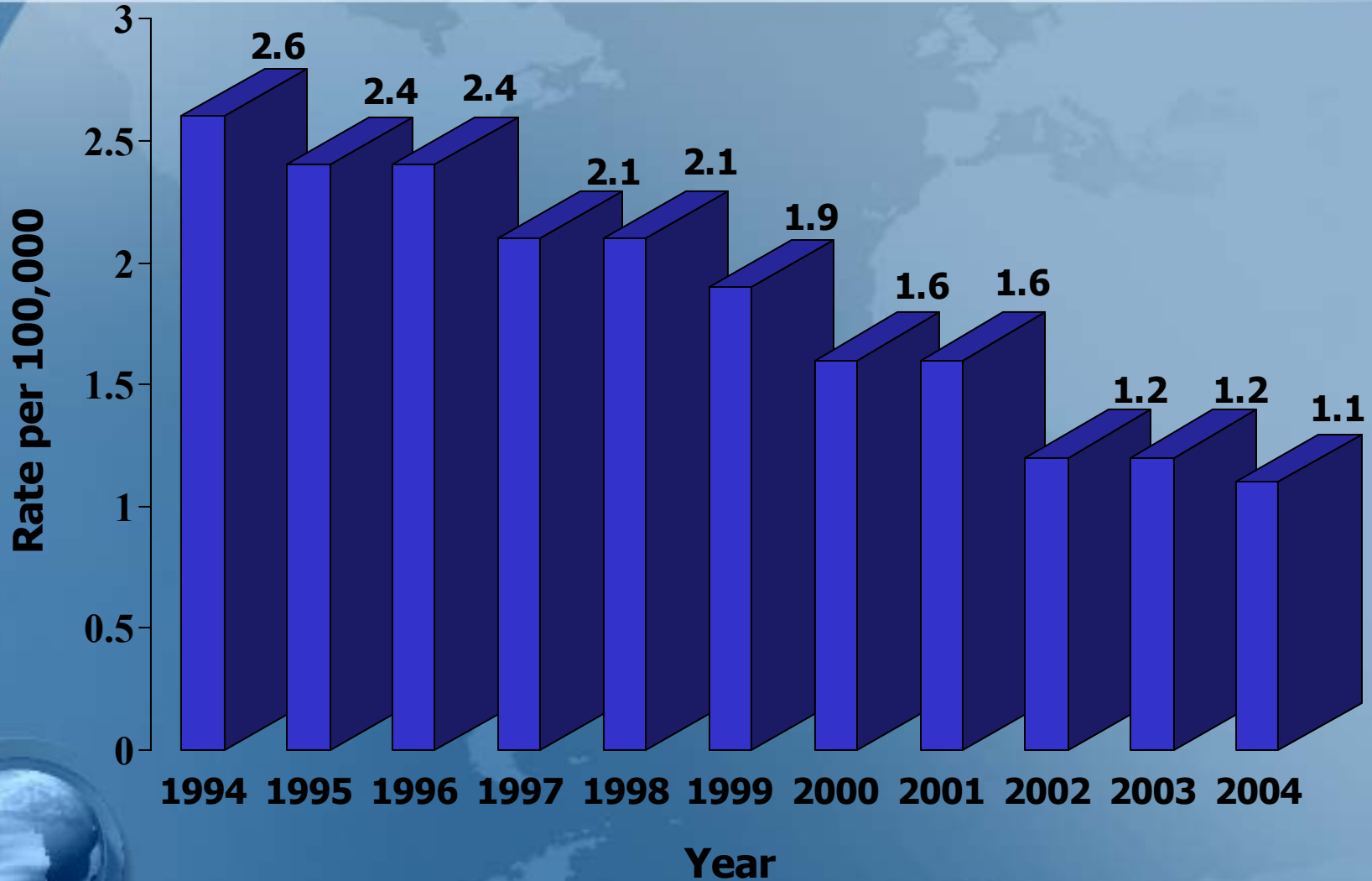
- **Trend of TB/HIV Co-infection**
- **TB/HIV Rates**
- **TB by HIV Status**
- **TB/HIV by Gender**
- **TB/HIV by Age**
- **TB/HIV by Race, Ethnicity**
- **TB/HIV by Nationality**
- **TB/HIV by Risk Factors**
- **TB/HIV by Select Counties**

# Trend of TB/HIV Co-Infection Florida, 1994-2004



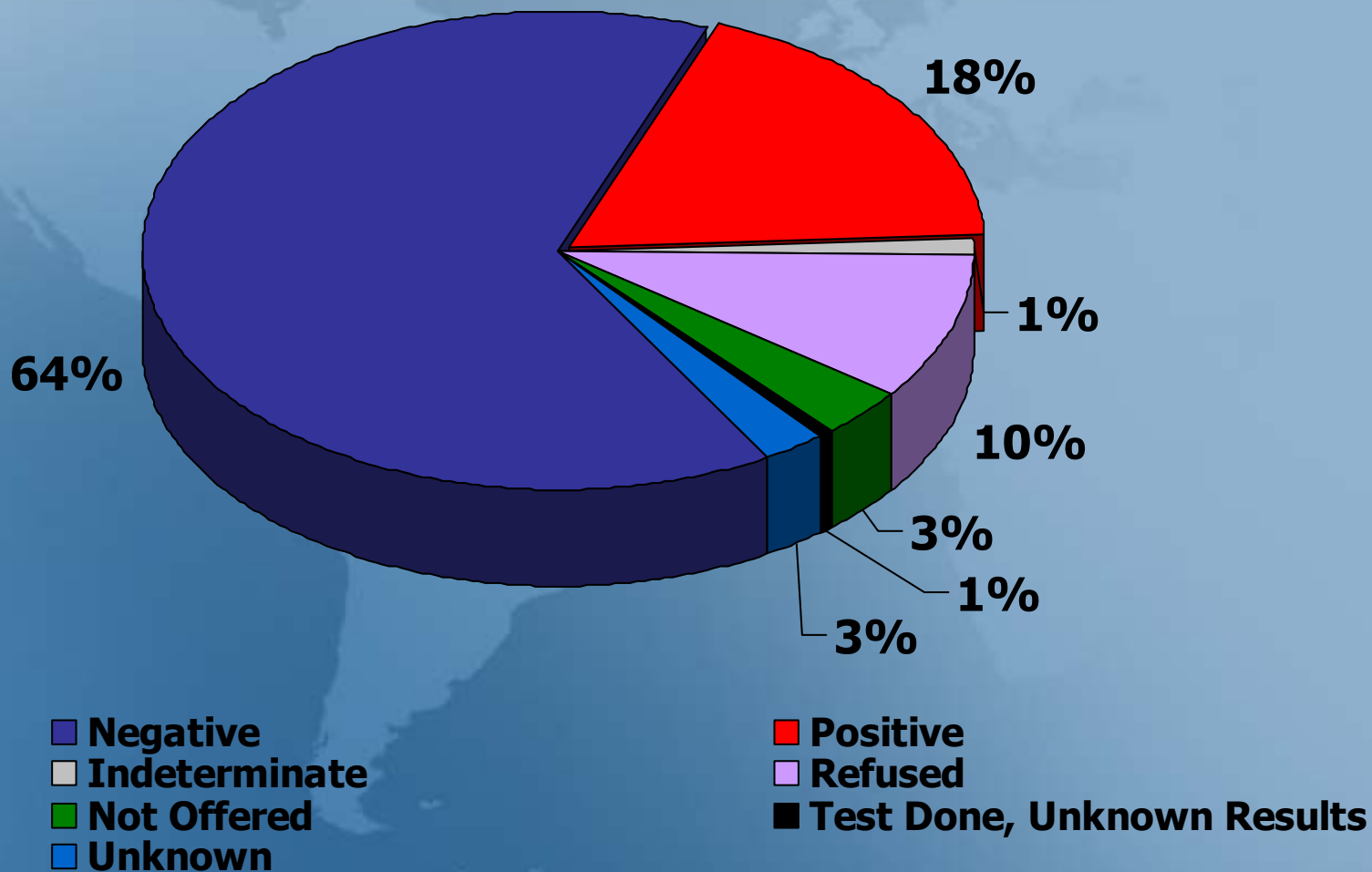
Data from TIMS

# TB/HIV Rates per 100,000 Population Florida, 1994-2004



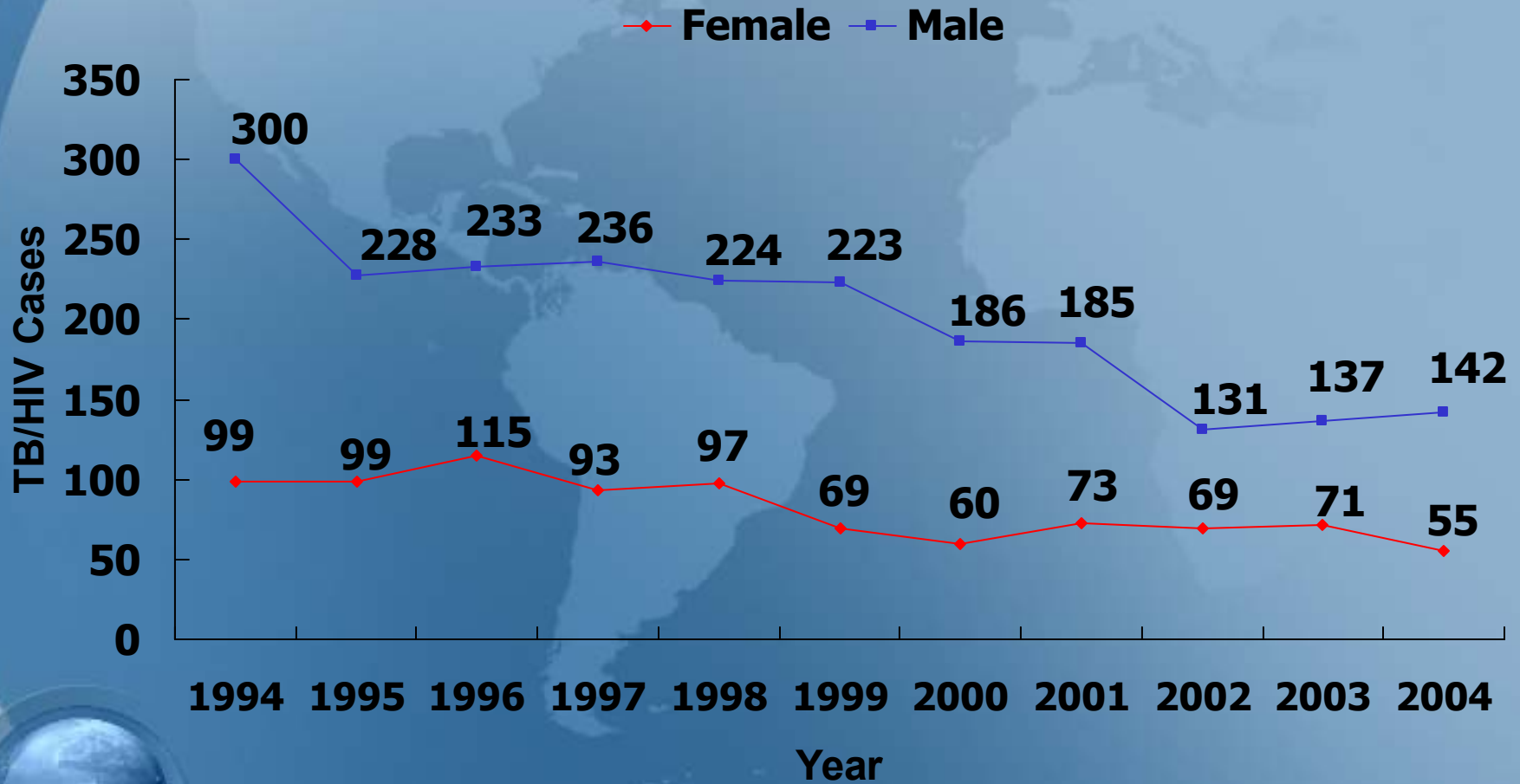
Data from TIMS

# Tuberculosis Cases by HIV Status Florida, 2004



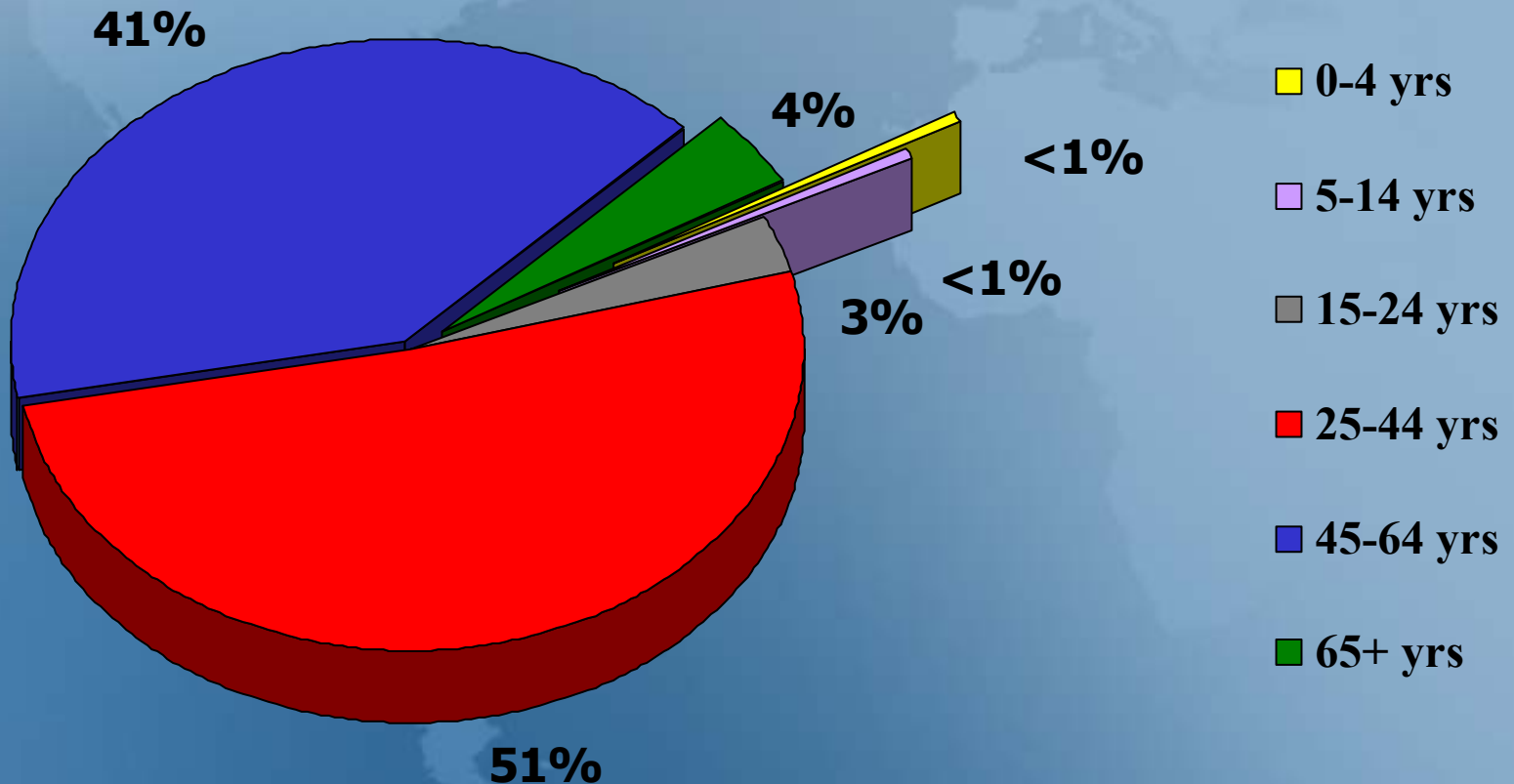
Data from TIMS  
N=1,076

# TB/HIV Cases by Gender Florida, 1994-2004



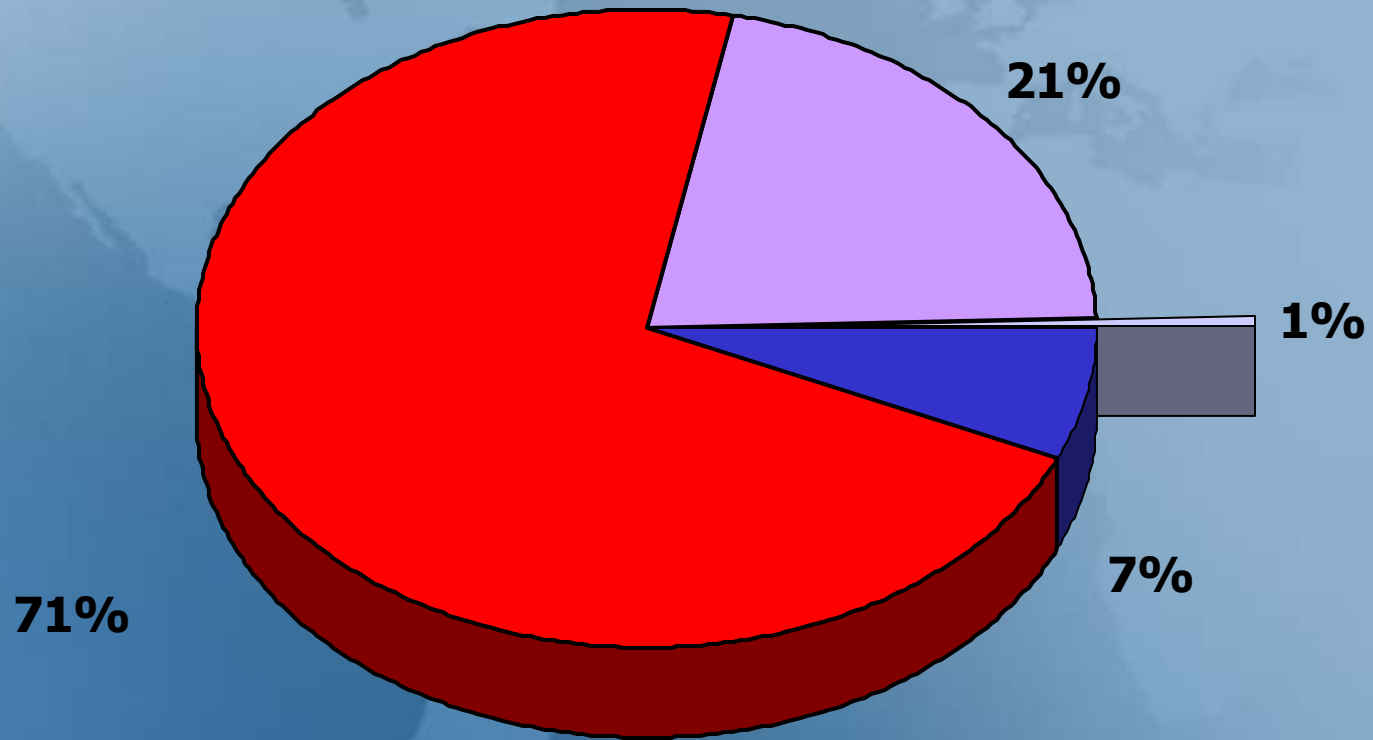
Data from TIMS

# TB/HIV Cases by Age Florida, 2004



Data from TIMS

# TB/HIV Cases by Race & Ethnicity Florida, 2004

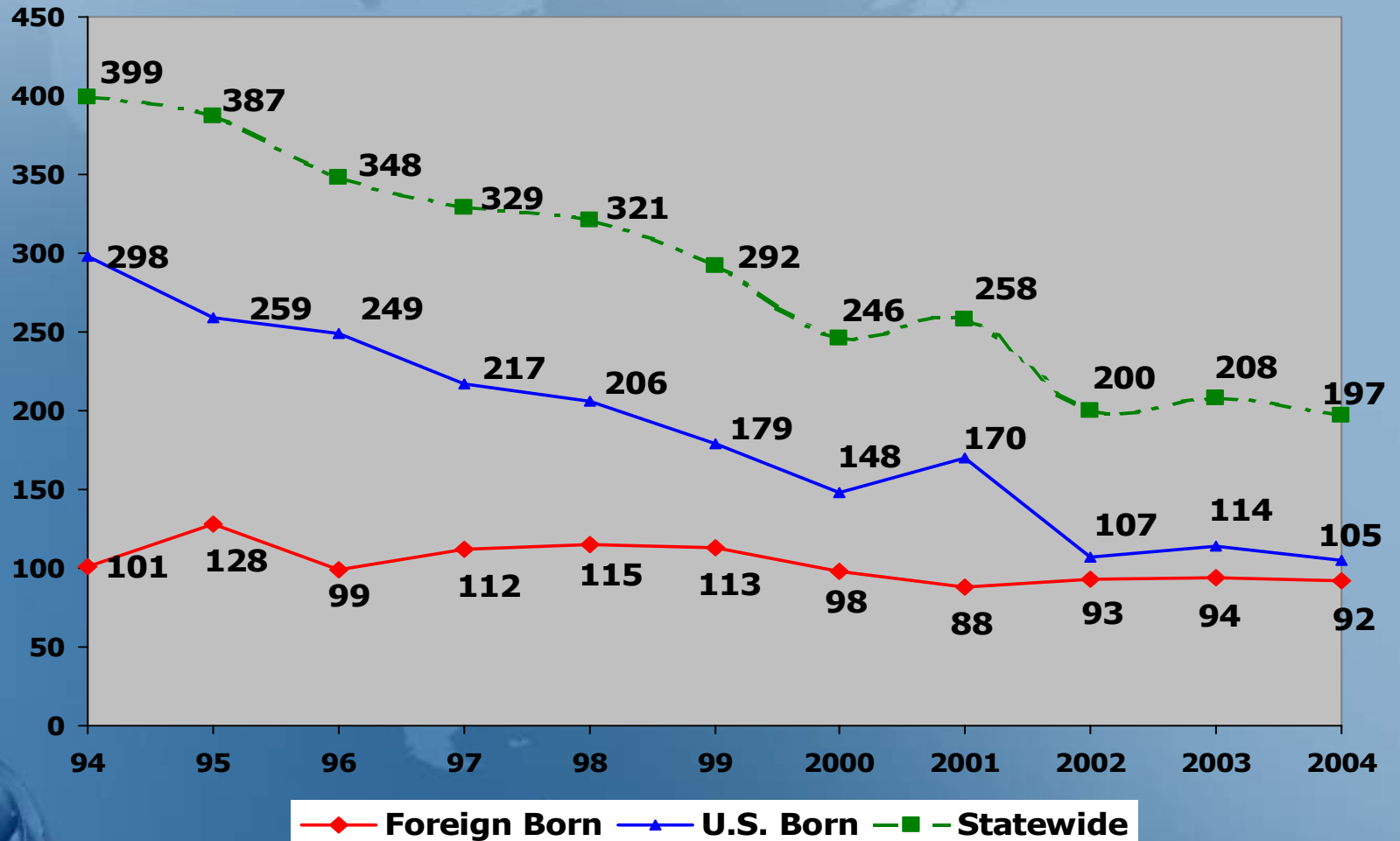


■ White, Non-Hispanic  
■ Hispanic

■ Black, Non-Hispanic  
■ Asian Only

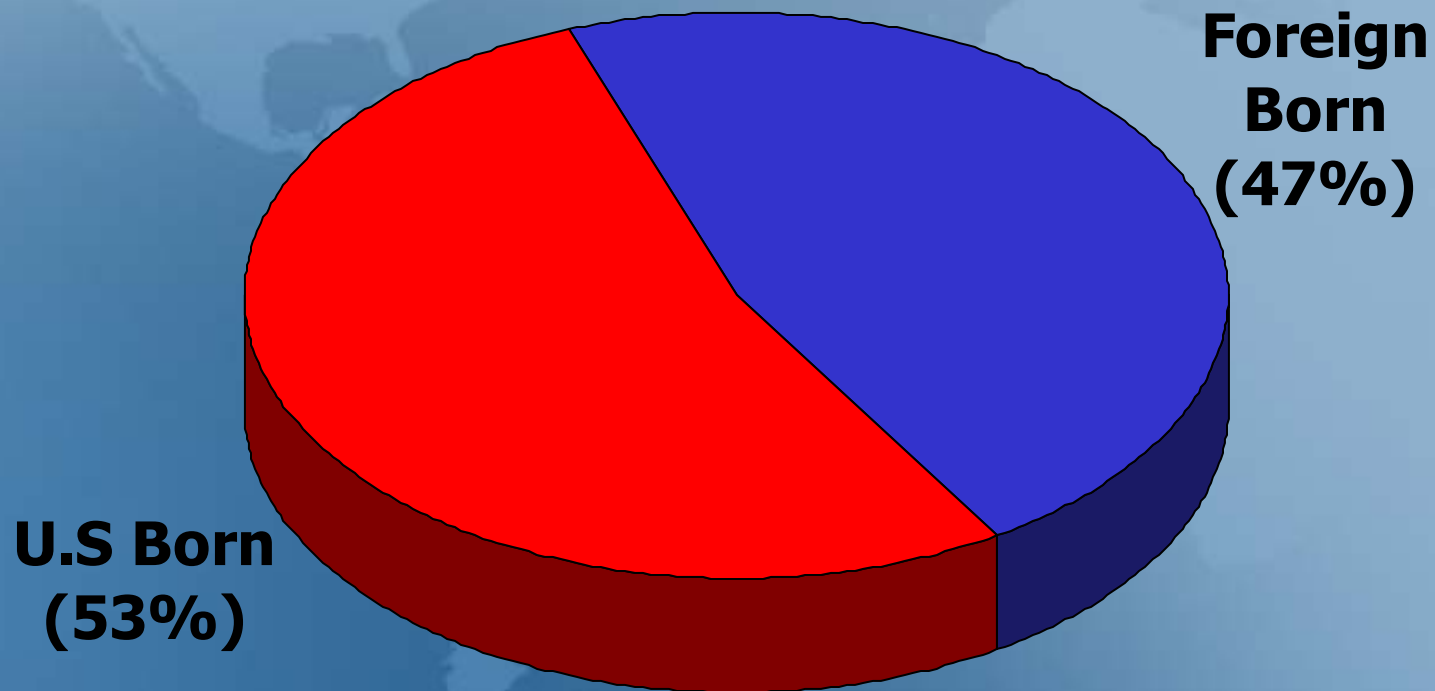
Data from TIMS

# TB/HIV among Foreign-Born and U.S. Born Florida, 1994-2004



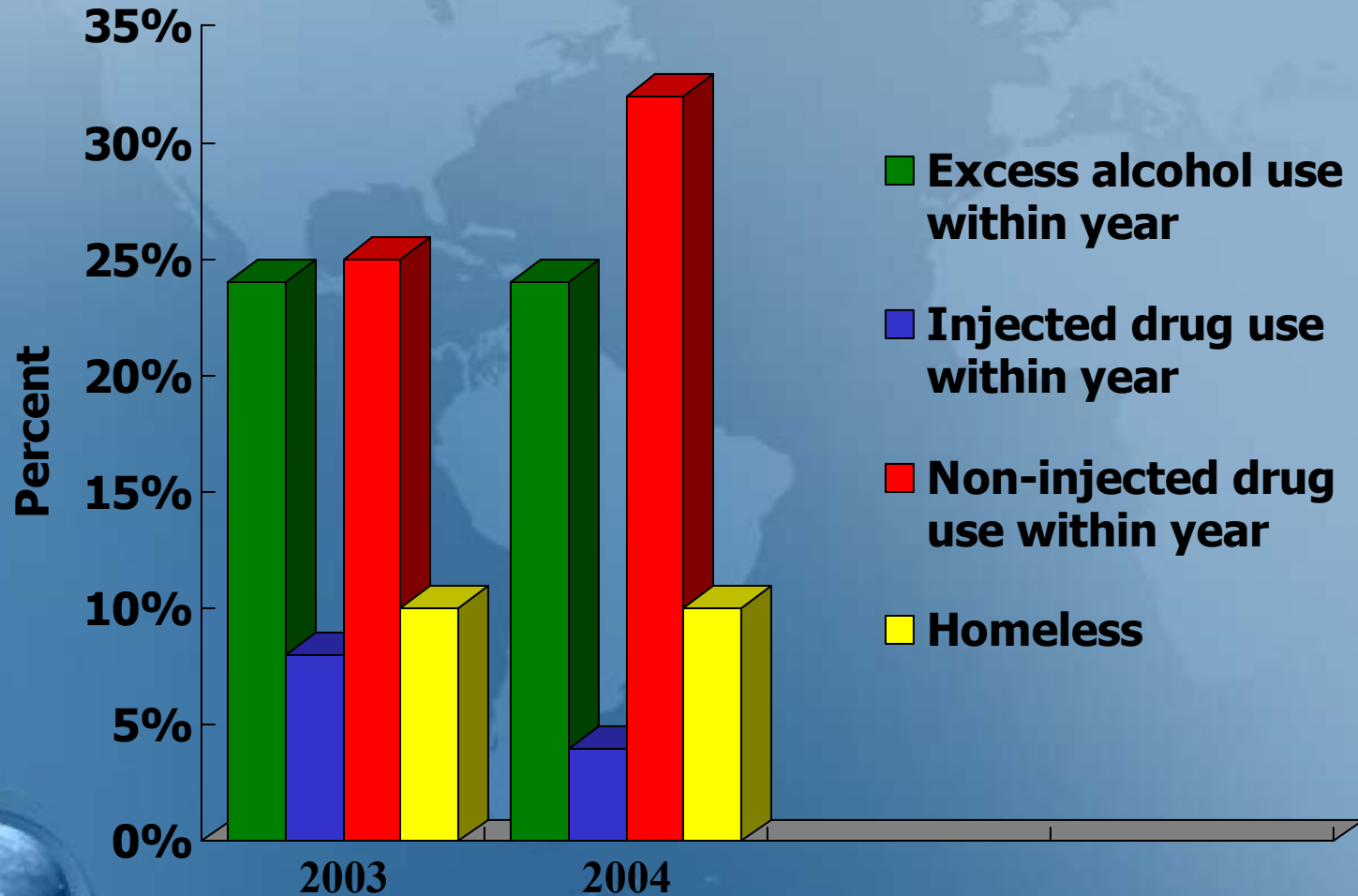
Data from TIMS

# TB/HIV: U.S. vs Foreign-Born Florida, 2004



Data from TIMS  
n=197

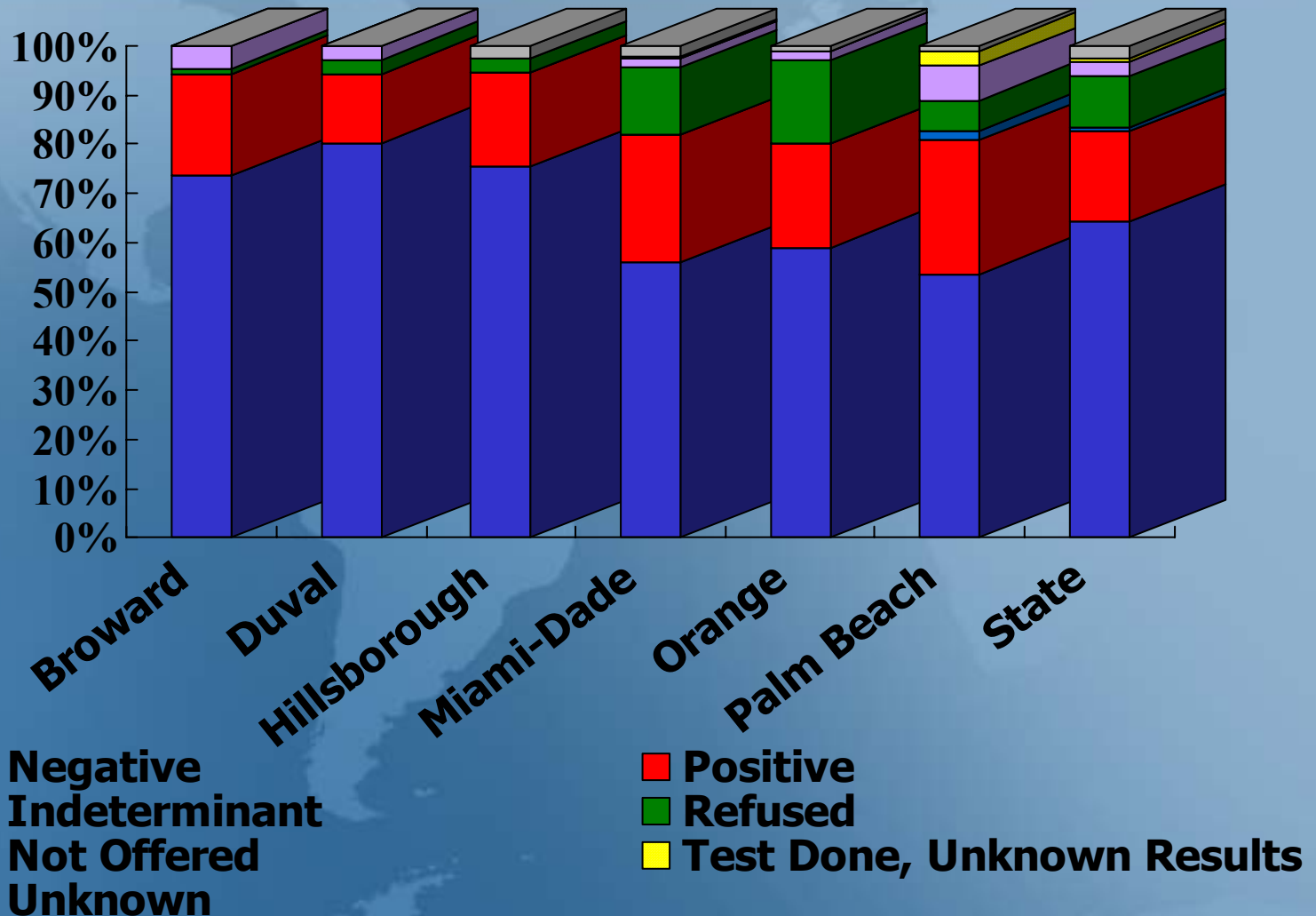
# TB/HIV and TB Disease Risk Factors Florida, 2004



Data from TIMS  
n-197

# HIV Status of TB Cases

## Select Florida Counties, 2004



# TB and Florida's Homeless

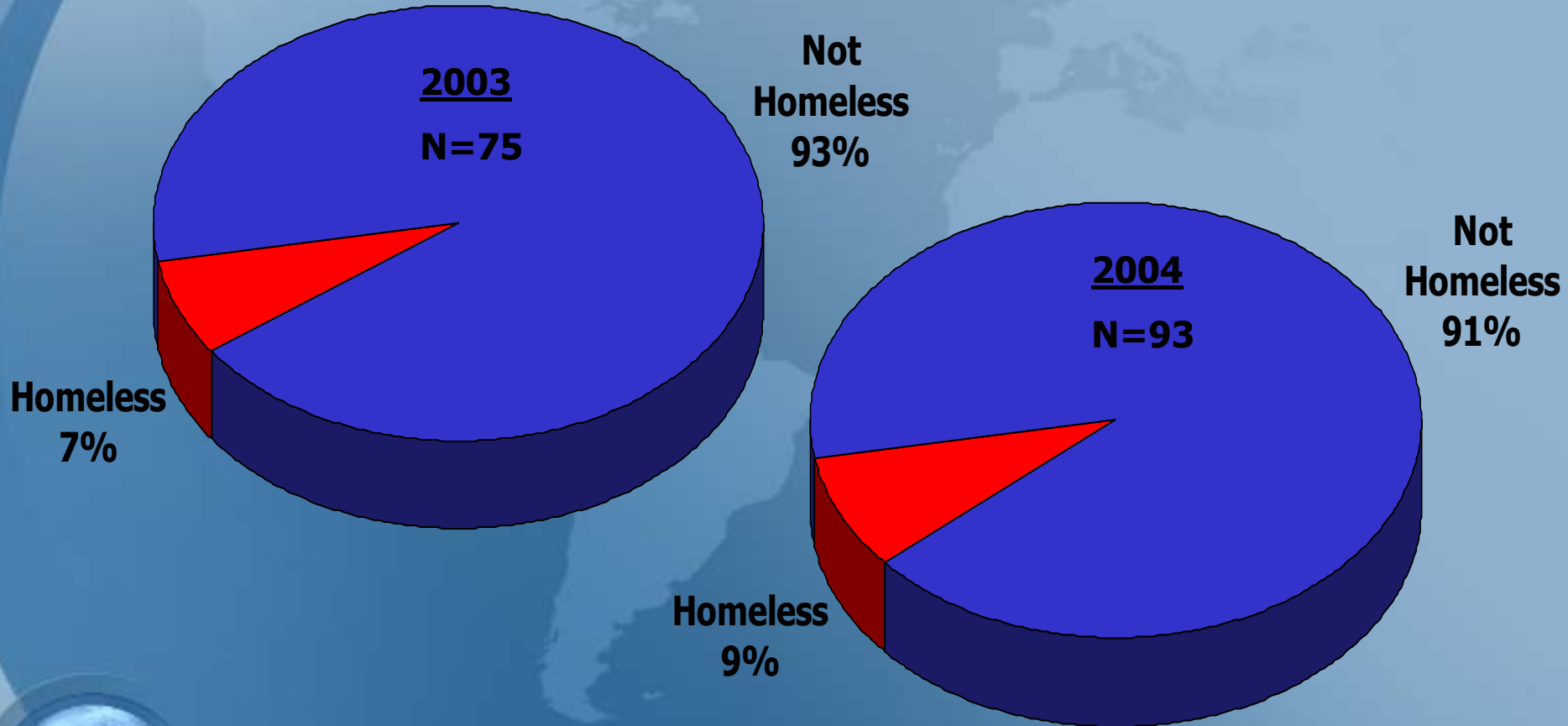
## Counted TB Cases:

- TB and Homeless, FL
- Big 6 Counties

## Risk Factors:

- Race and Age
- HIV Status
- U.S. Born vs Foreign-Born
- Substance Abuse
  - Alcohol
  - Drugs
- Previous TB

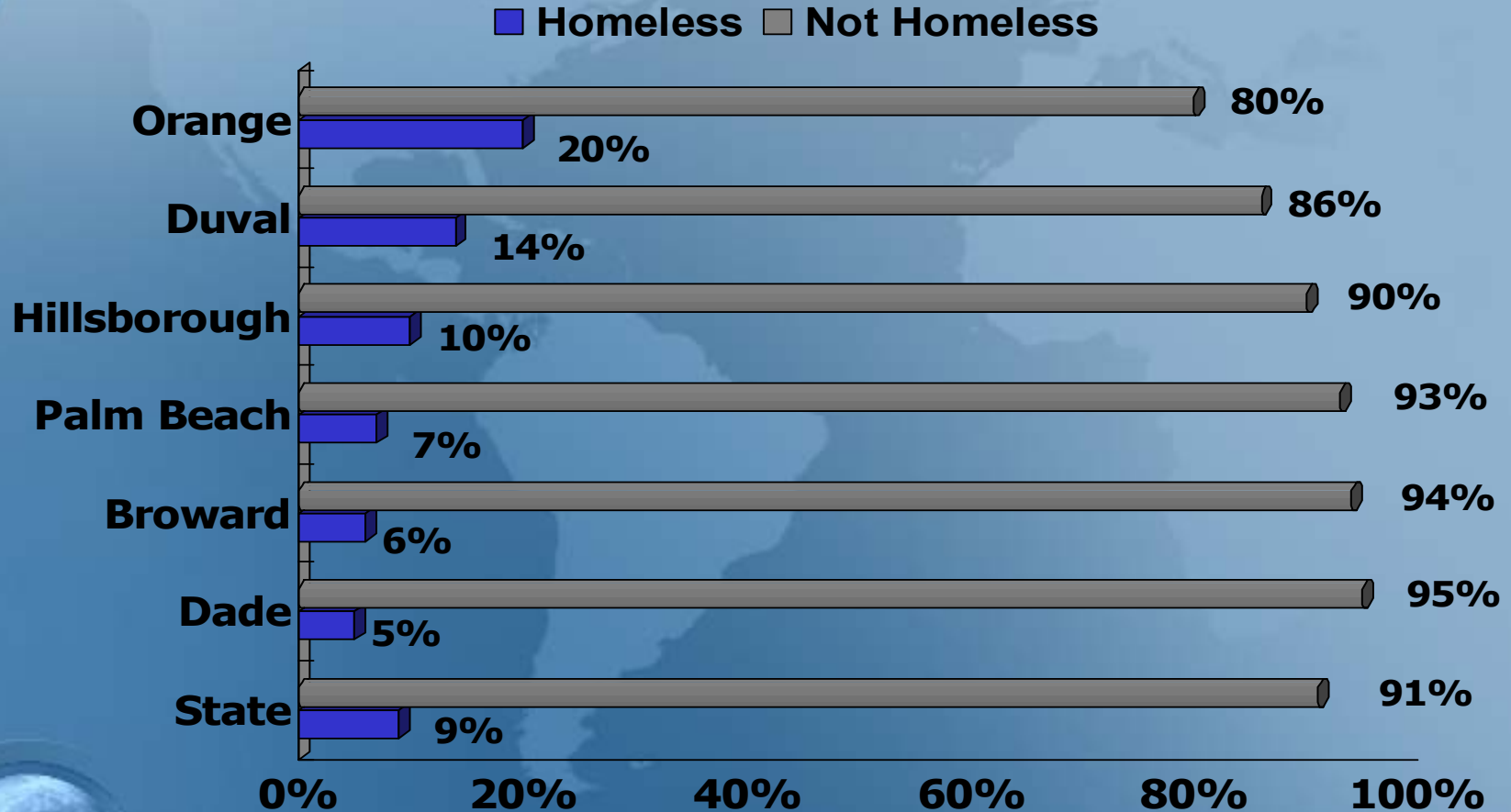
# Homeless Tuberculosis Cases Florida, 2003 and 2004



Data from TIMS

# Tuberculosis & Homeless Status

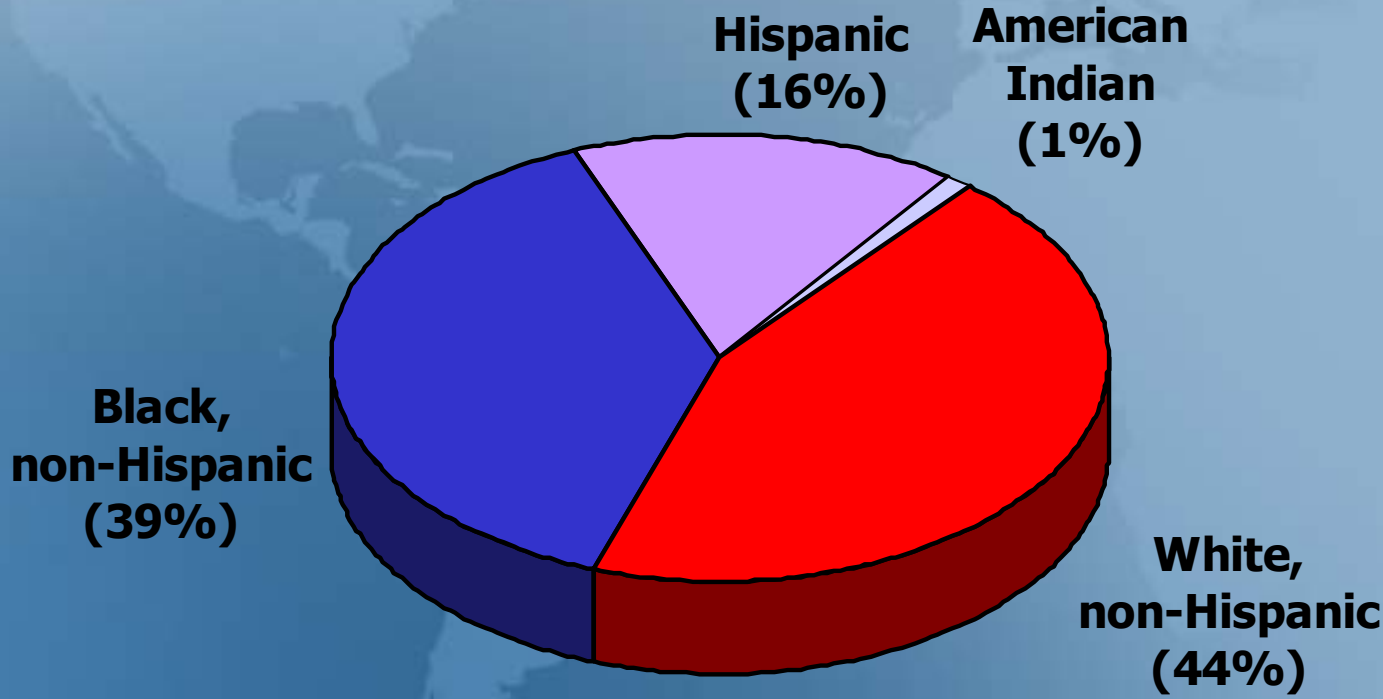
## Select Florida Counties, 2004



Data from TIMS

County numbers do not contain State Prison cases

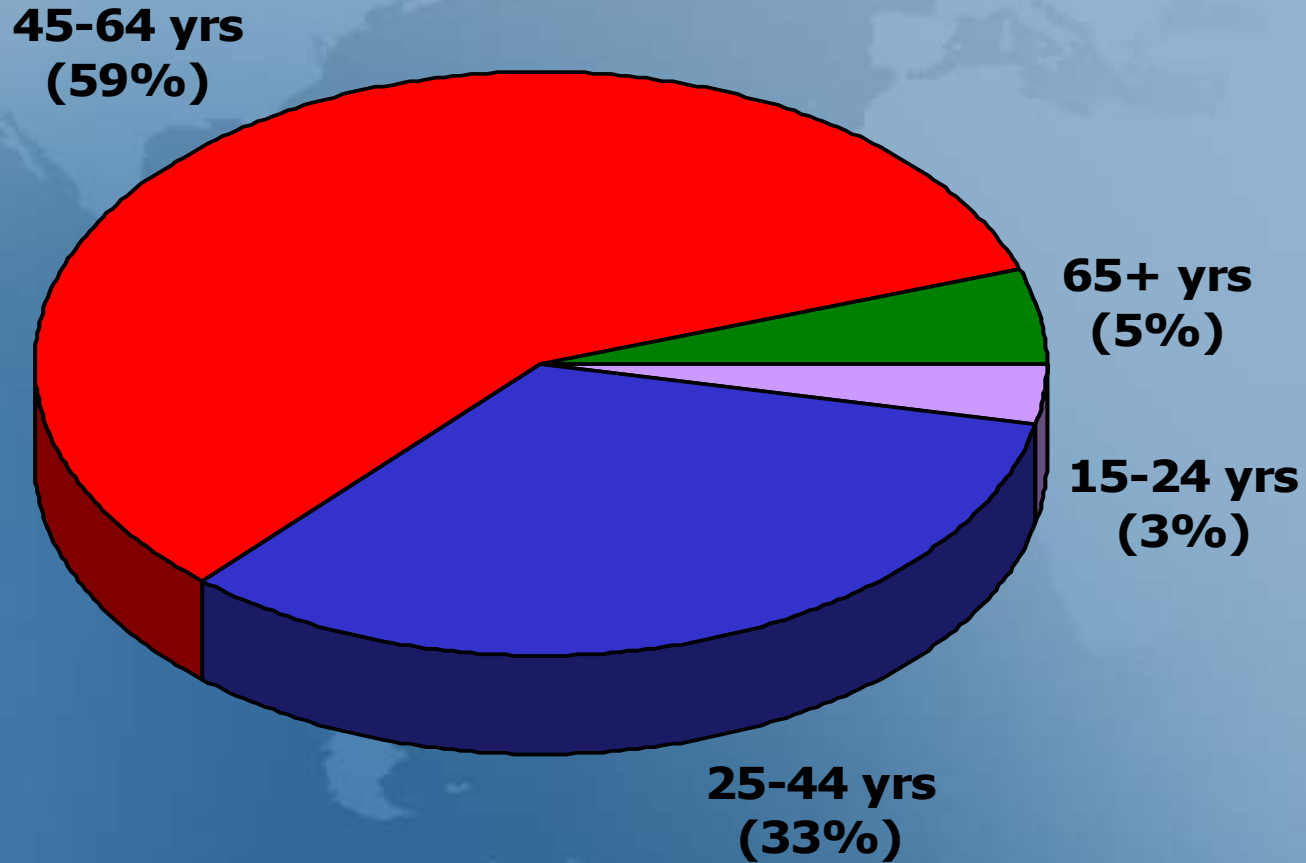
# TB & Homeless Status by Race & Ethnicity Florida, 2004



Homeless status unknown for 1 case  
Data from TIMS  
n=93

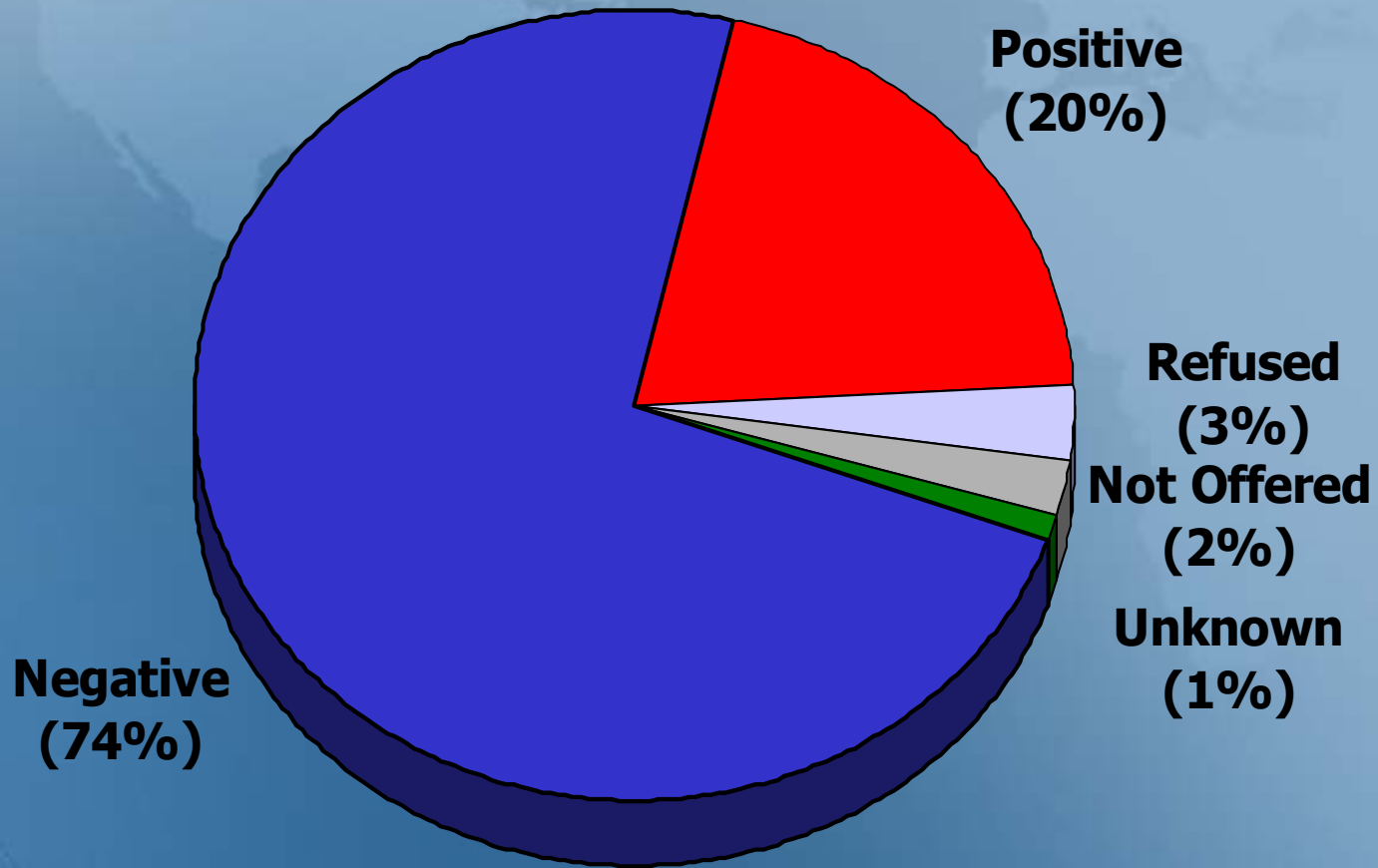


# Tuberculosis & Homeless Status by Age Florida, 2004



Data from TIMS  
n=93

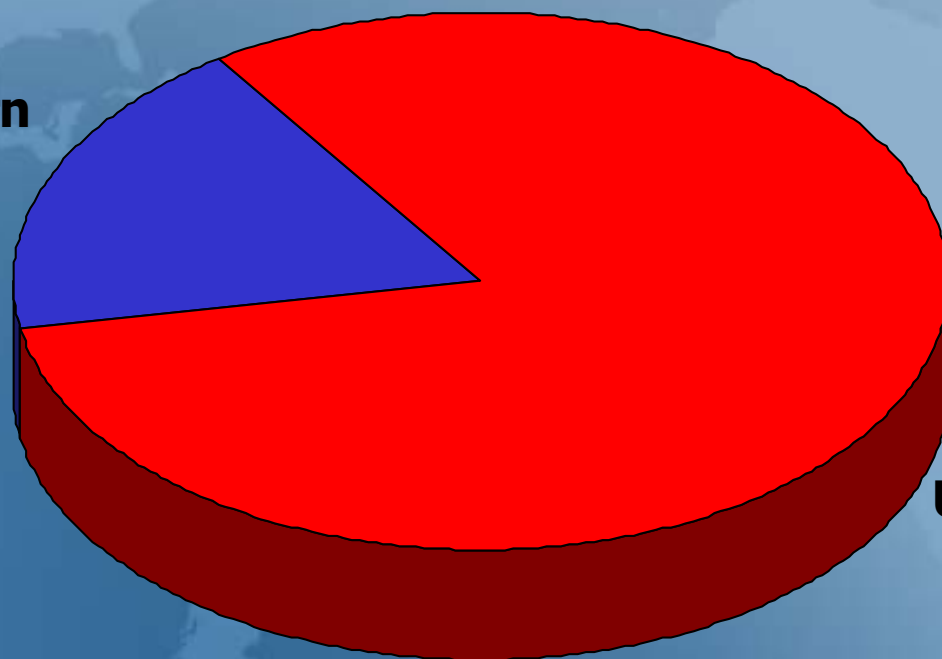
# TB & Homelessness by HIV Status Florida, 2004



Data from TIMS  
n=93

# Homeless Tuberculosis Cases U.S. vs Foreign-Born, Florida, 2004

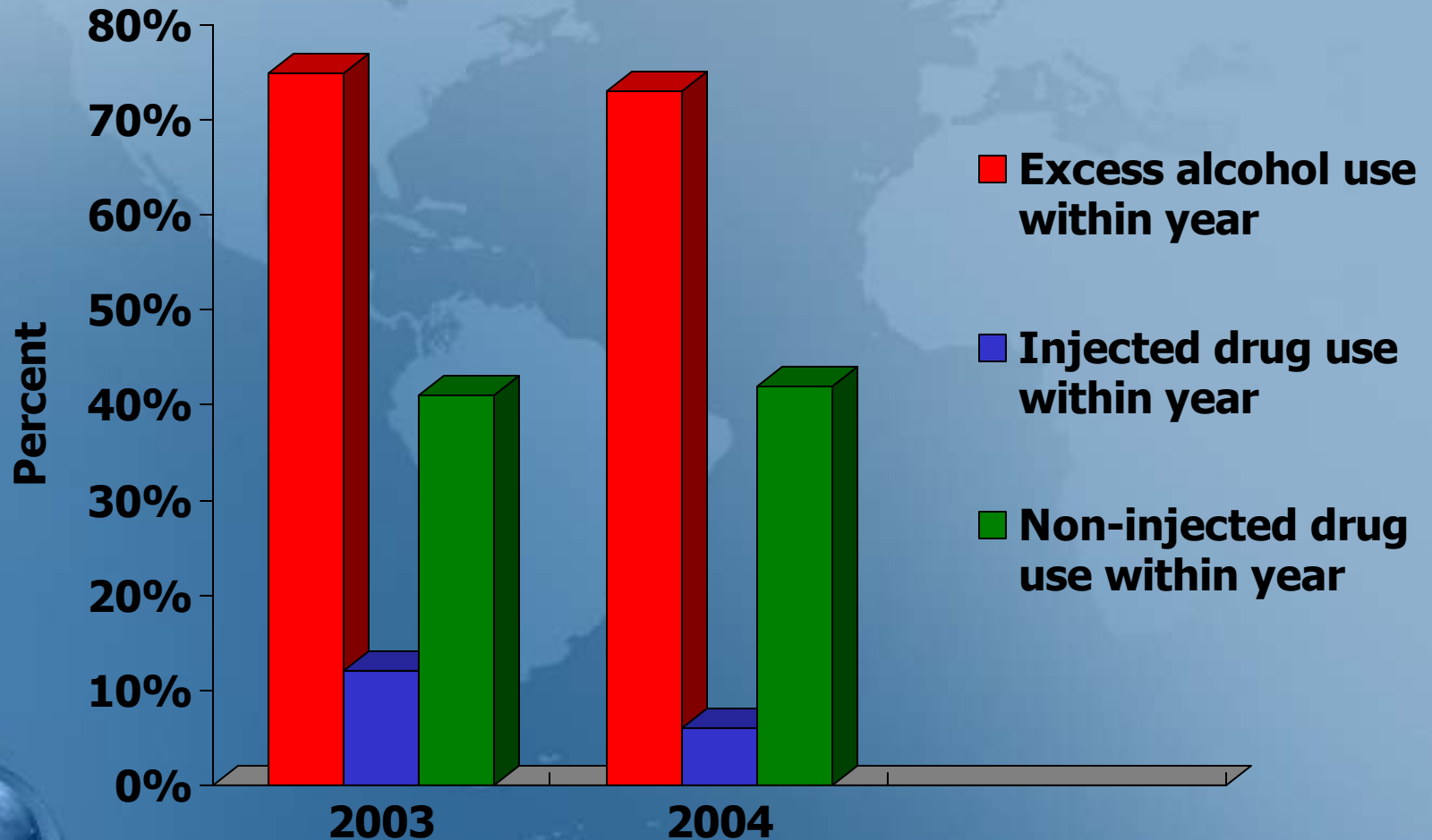
**Foreign-Born  
(18%)**



**U.S. Born  
(82%)**

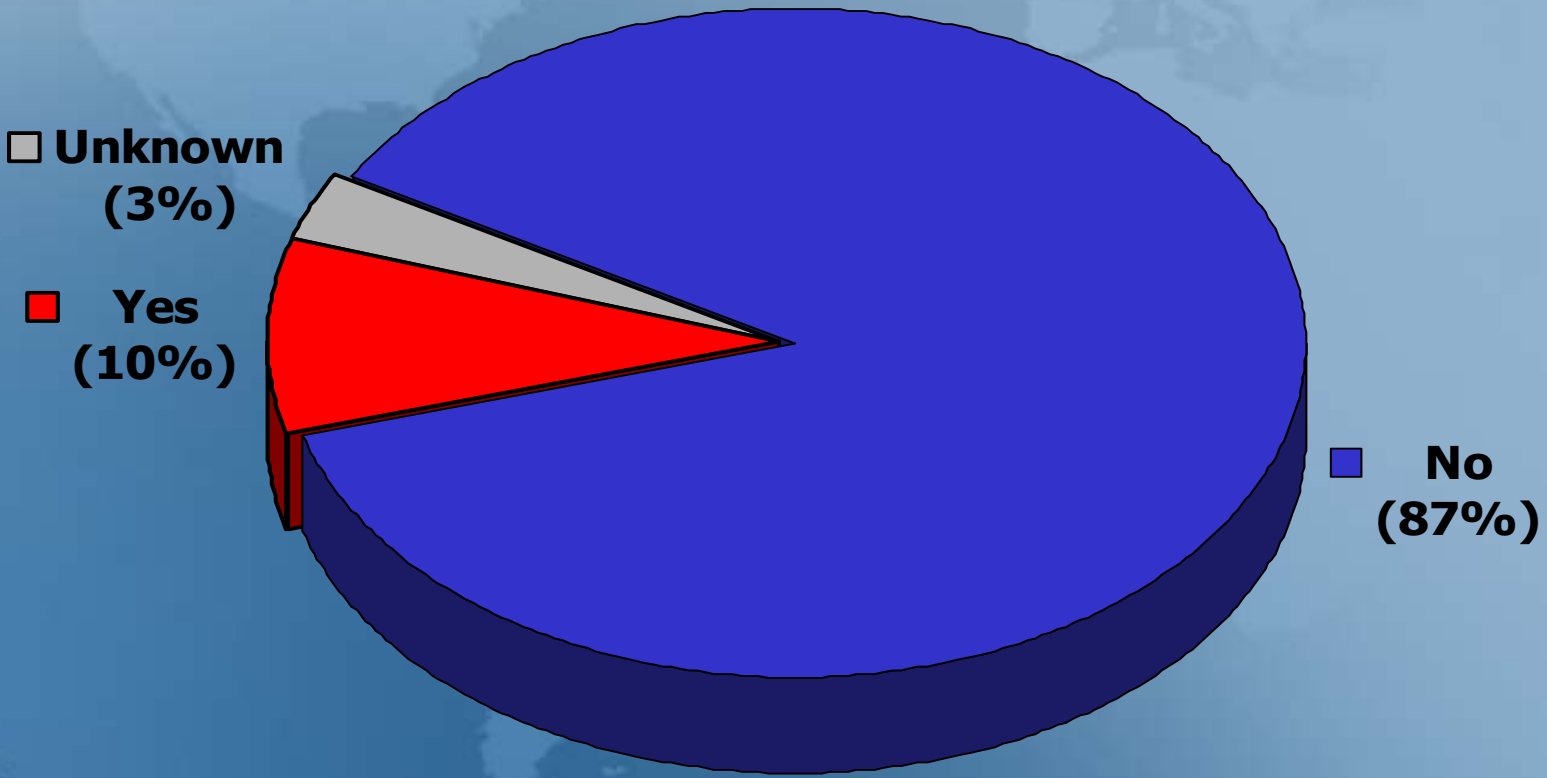
Data from TIMS  
n=93

# Homelessness and TB Disease Risk Factors, Florida, 2004



Data from TIMS  
n=93

# TB & Homelessness & Previous TB Status\* Florida, 2004



Data from TIMS

\*Case has either been treated with TB medication  
or has been treated for TB prior to this occurrence  
n=93



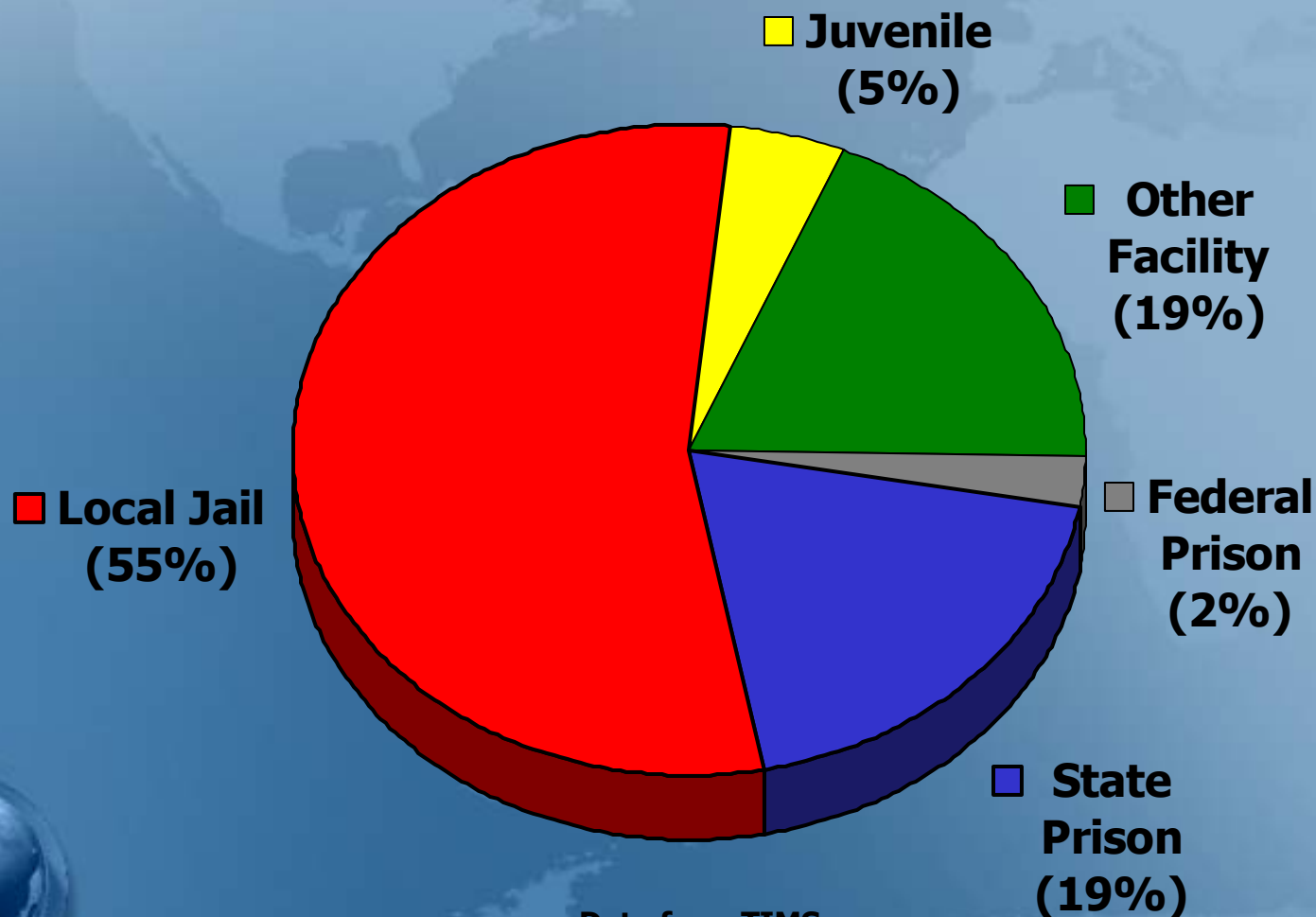
# Tuberculosis and Florida

- **Correctional Facilities**

- **Long-Term Care Facilities**

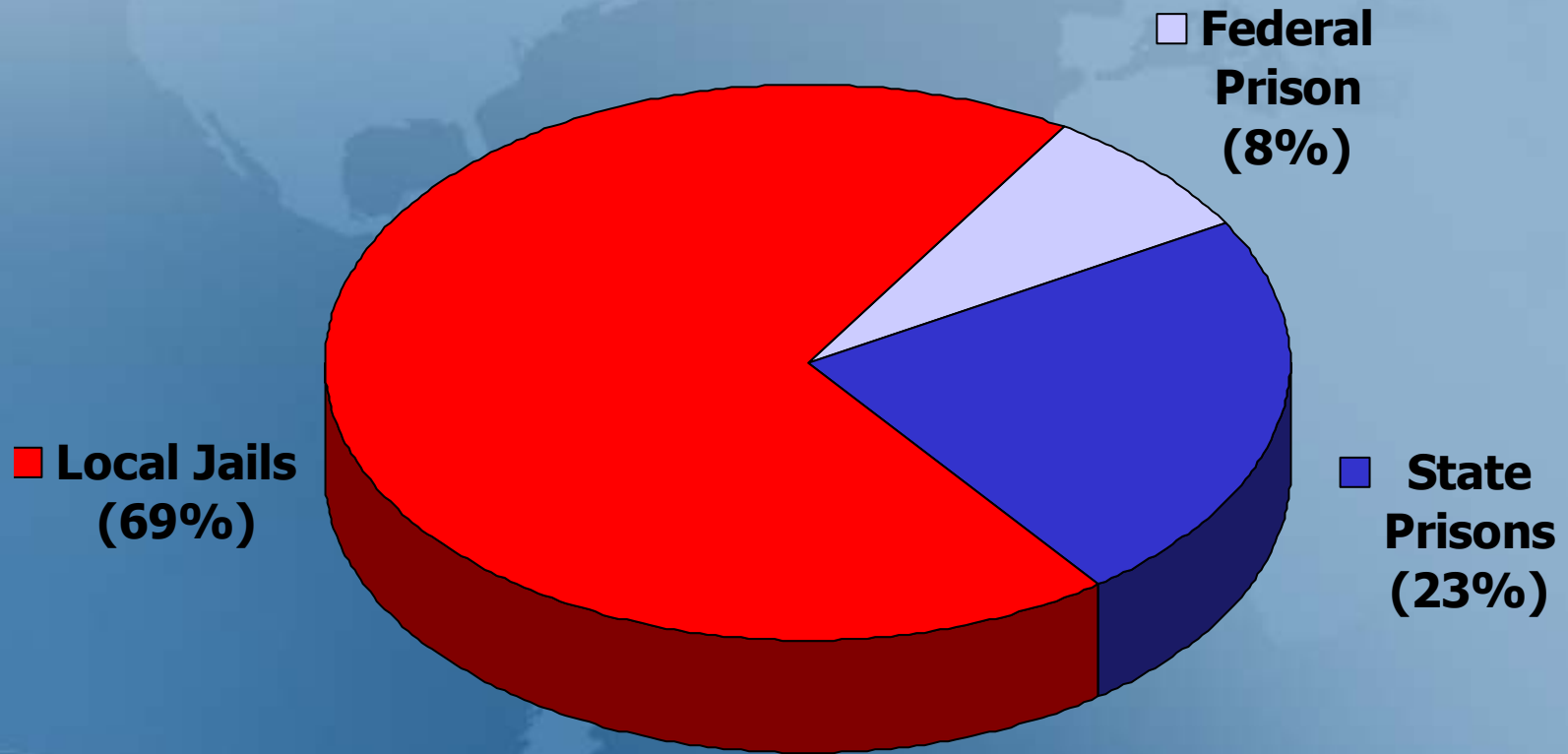


# Tuberculosis in Correctional Facilities Florida, 2004



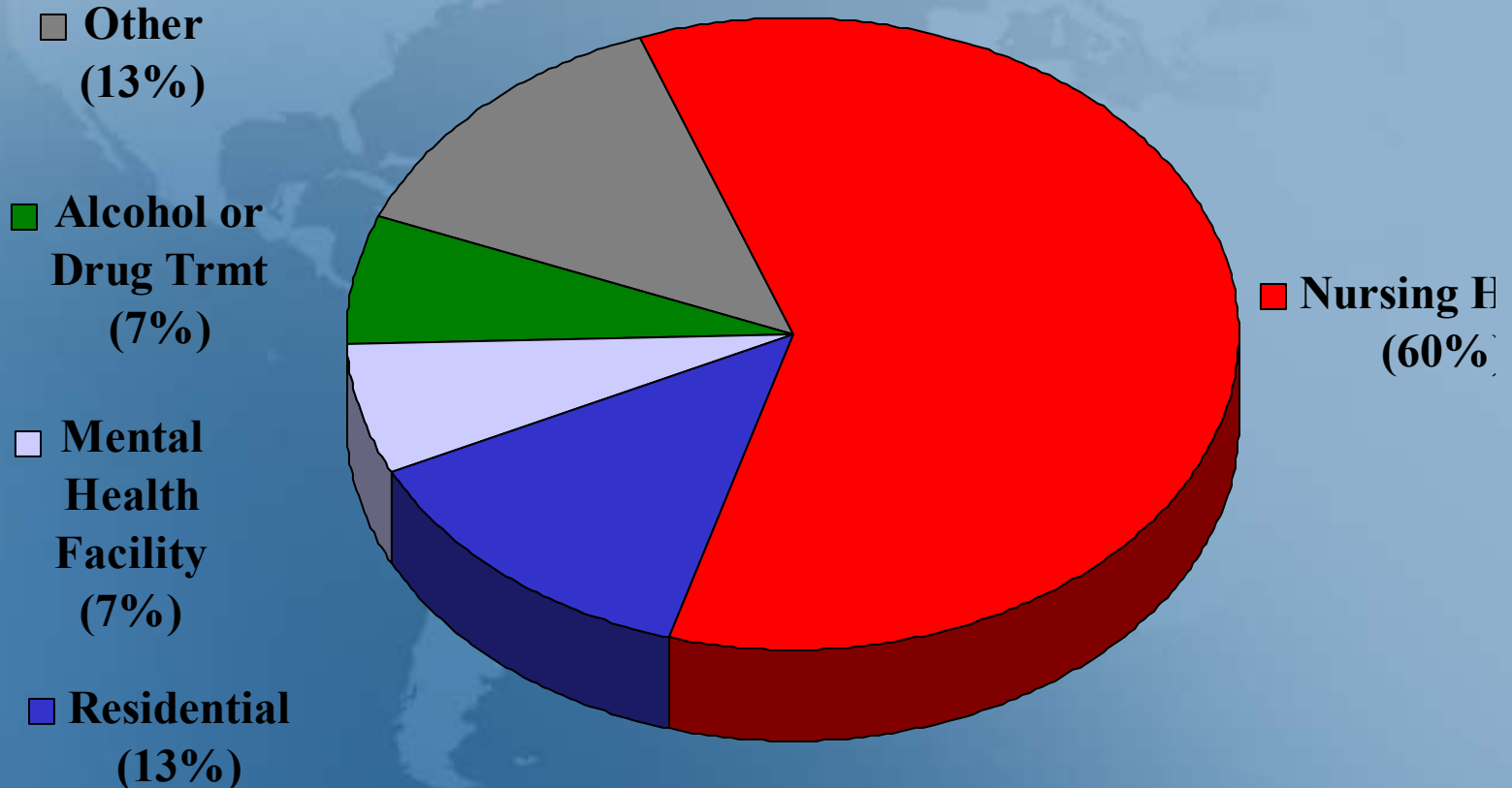
Data from TIMS  
Residents diagnosed while incarcerated  
n=42

# TB/HIV in Correctional Facilities Florida, 2004



Data from TIMS  
Residents diagnosed while incarcerated  
n=13

# Tuberculosis Cases Among Residents of Long-Term Care Facilities - Florida, 2004



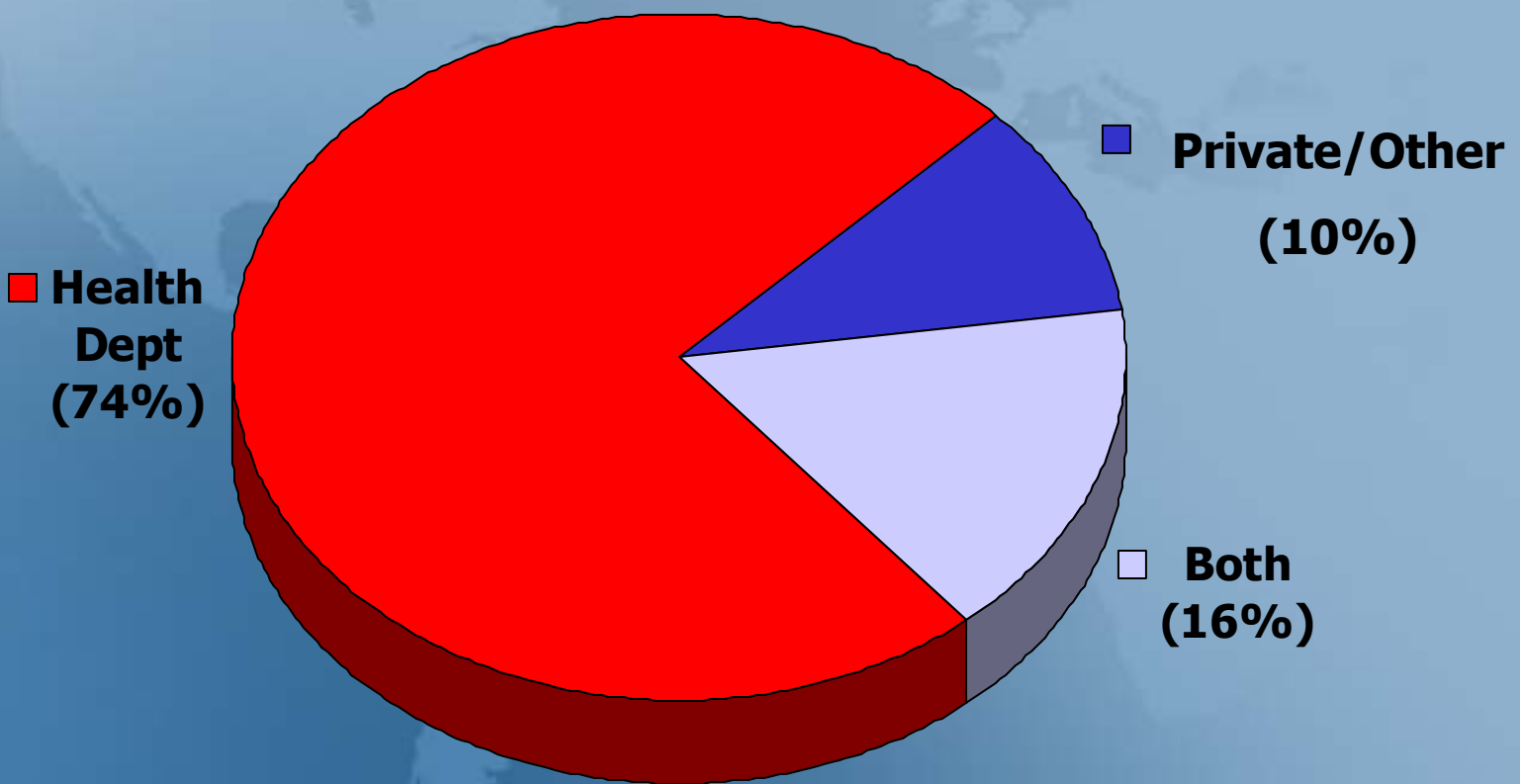
Data from TIMS  
n=30

# Florida Tuberculosis Cases

- Case Management Provider, 2003\*
- Diagnosis Verification Criteria, 2004
- Form of Disease, 2004
- Drug Regimen, 2004
- Drug Resistance, 2004

\*2004 Data Pending

# TB Cases by Case Management Provider Florida, 2003\*



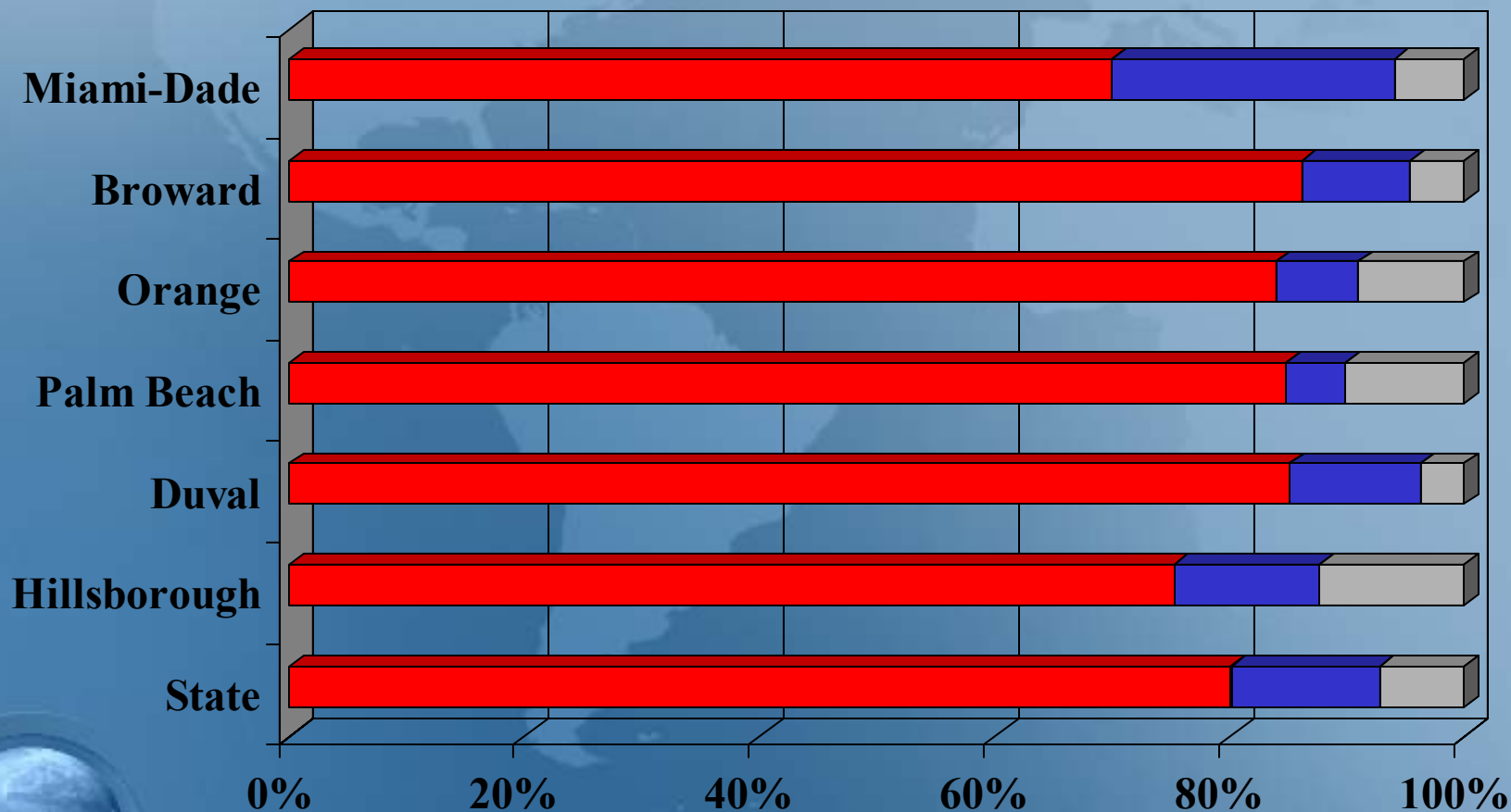
\*n=980

\*Live Data from TIMS as of 03/05  
with pending follow-ups.  
N=1,041



# TB Cases by Verification Criteria Selected Florida Counties, 2004

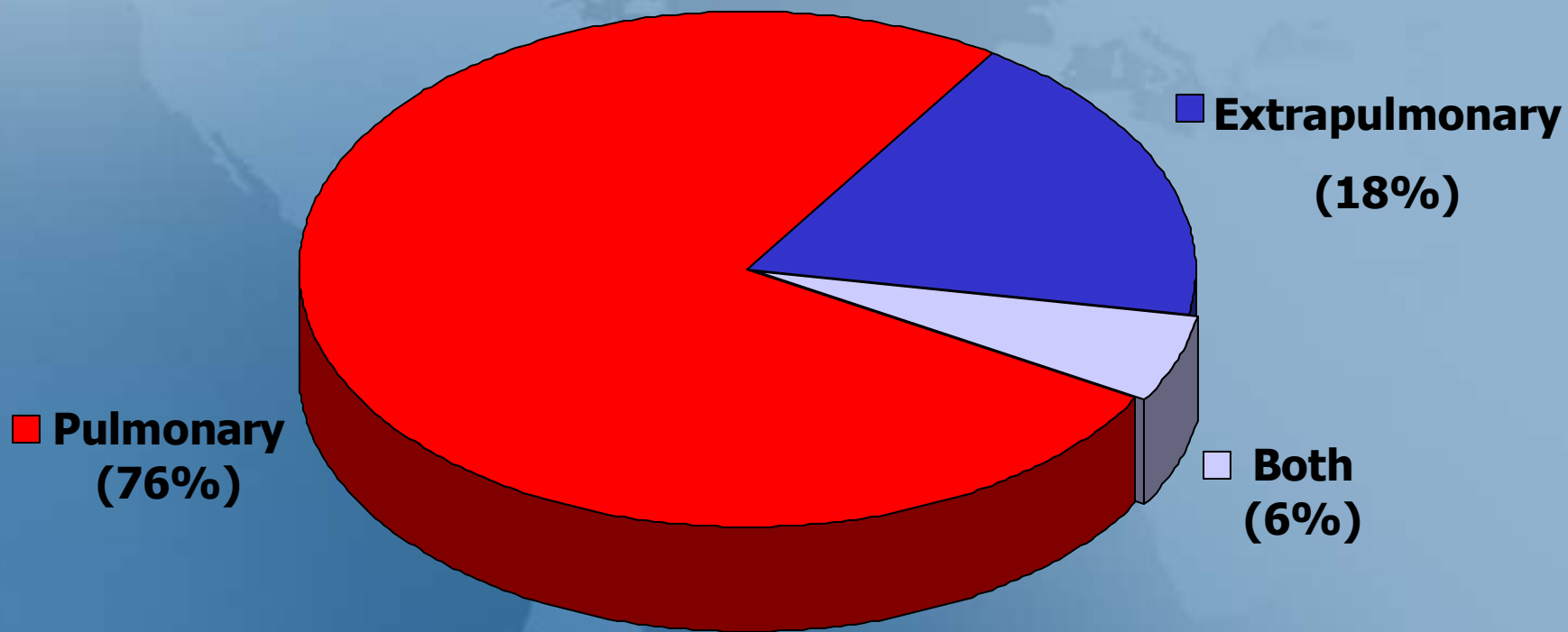
■ + Culture ■ +Smear ■ Clinical ■ Provider



Data from TIMS

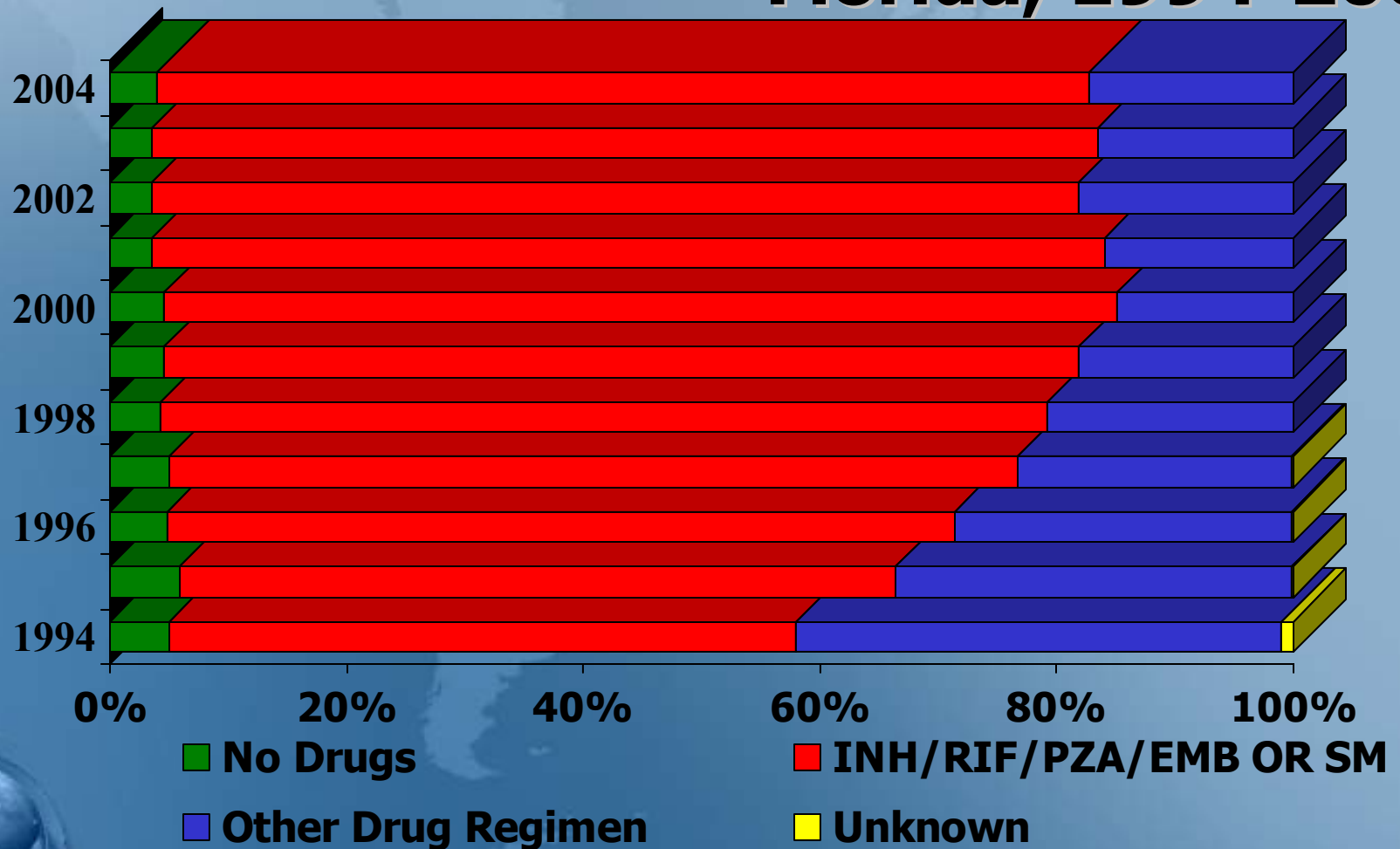
Statewide, 1 case was smear/tissue positive  
Includes State Prison Cases

# Tuberculosis Cases by Form of Disease Florida, 2004



Data from TIMS  
N=1,076

# Proportion of Active TB Cases Started on Preferred Initial 4-Drug Regimen\* Florida, 1994-2004

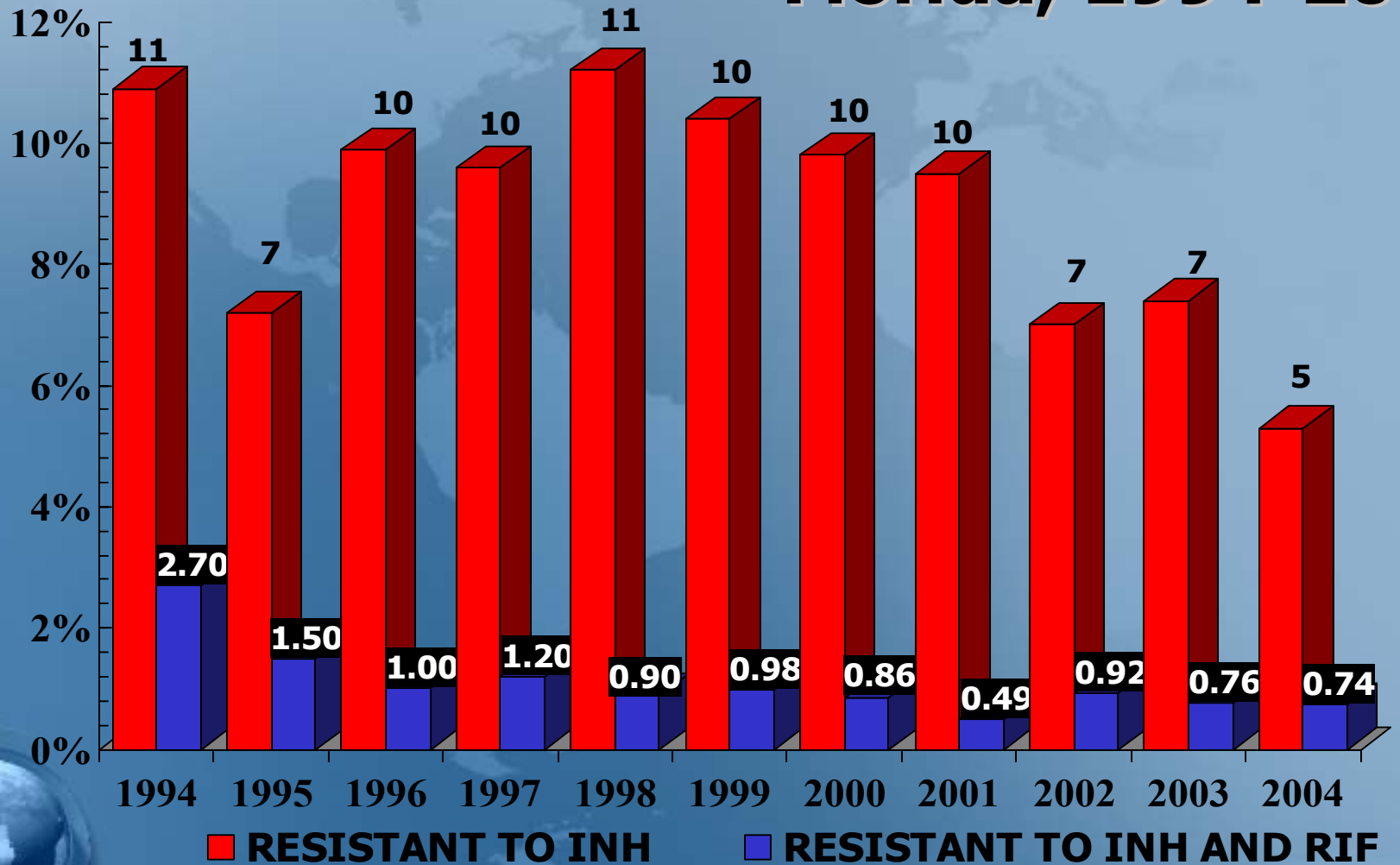


Data from TIMS

\*4-Drug Regimen not appropriate for all candidates

\*\*Based on Initial Susceptibility Testing

# Proportion of TB Cases with Resistance to Isoniazid (INH) or INH and Rifampin Florida, 1994-2004



Data from TIMS

\*Based on Initial Susceptibility Testing

# **Tuberculosis Florida, 2004**

**For more information, questions or comments contact:**

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**State TB Epidemiologist**

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**Fax: 850.921.9906**

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