

Building a Healthy Boston

# **Tuberculosis Impact in Boston Residents: 2016**

**BOSTON PUBLIC HEALTH COMMISSION  
Infectious Disease Bureau  
Communicable Disease Control Division**

# Definitions



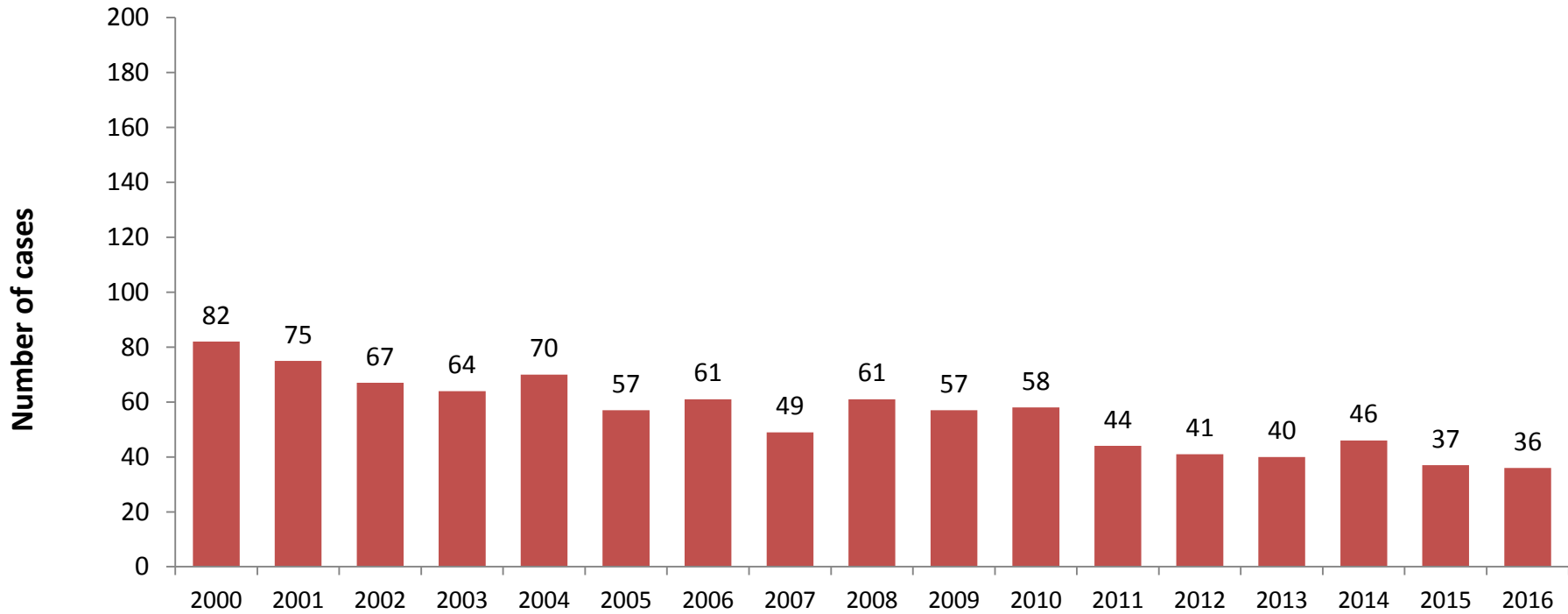
Building a Healthy Boston

- Data include Boston residents only
- “TB cases” are CDC/ATS/IDSA Class 3
  - “Active TB”
- “Latent TB infection” is CDC/ATS/IDSA Class 2
  - “Sleeping TB”

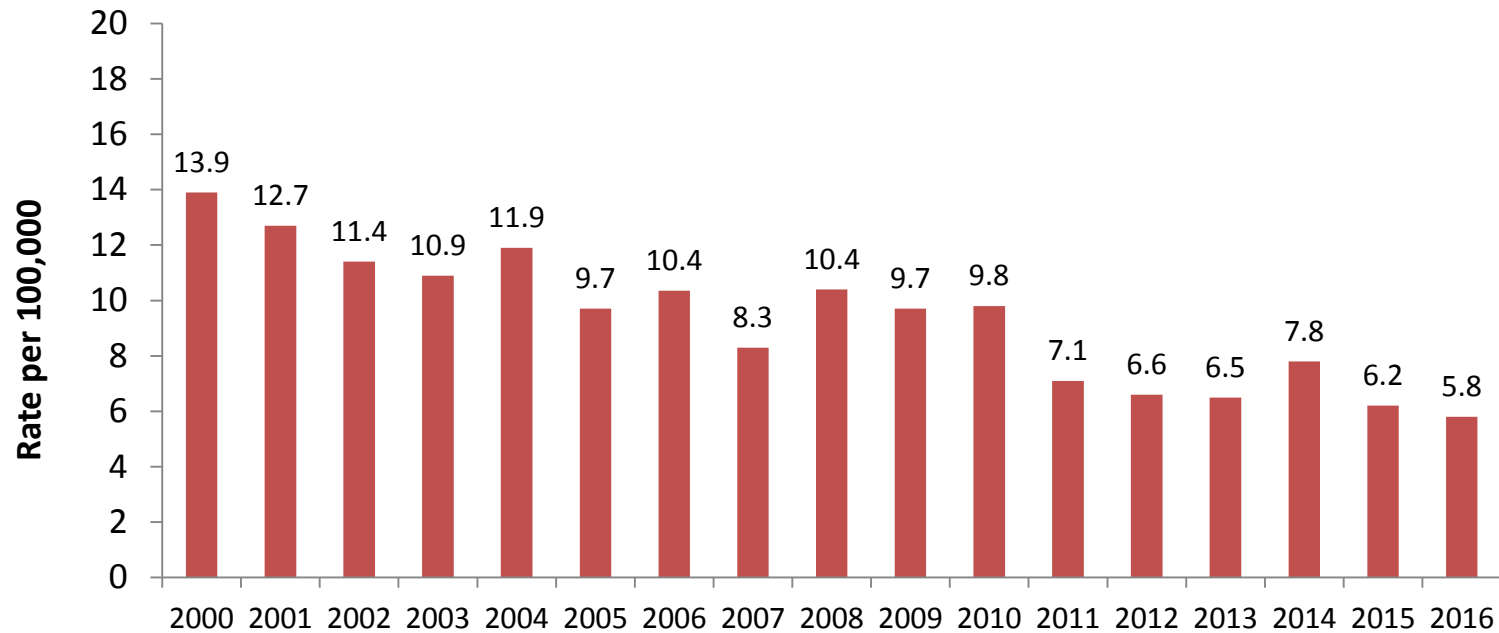


Building a Healthy Boston

# Number of TB Cases: Boston, 2000-2016



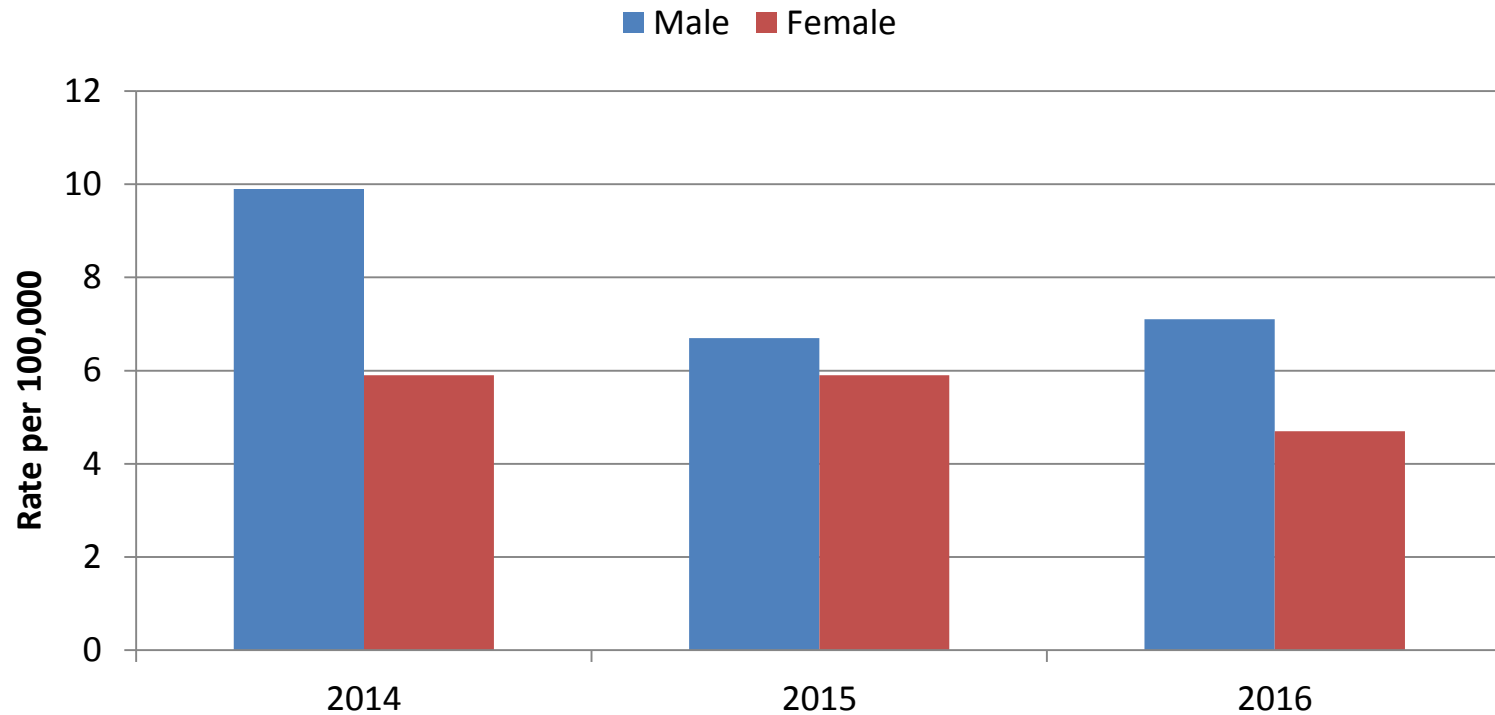
# Incidence of TB: Boston, 2000-2016



# Incidence of TB by Gender: Boston, 2014-2016



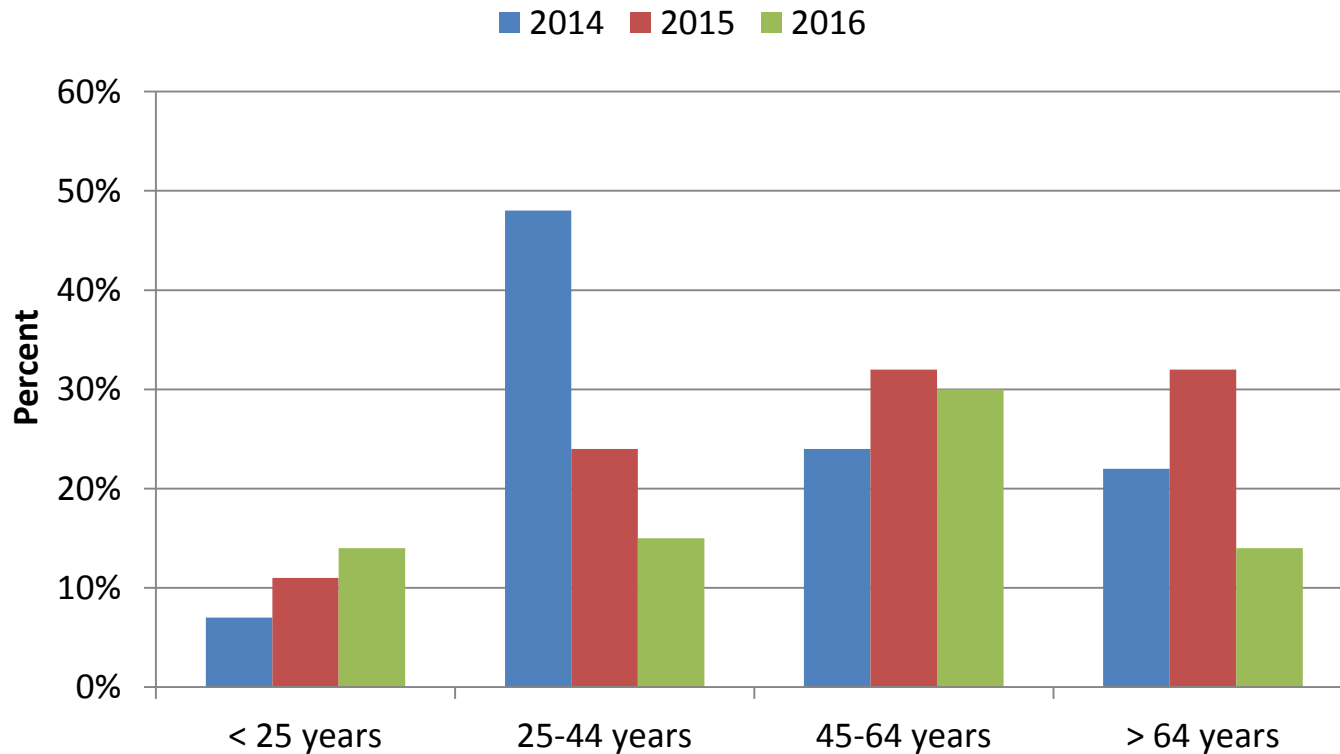
Building a Healthy Boston



# Percent of Reported TB Cases by Age Group: Boston, 2014-2016



Building a Healthy Boston

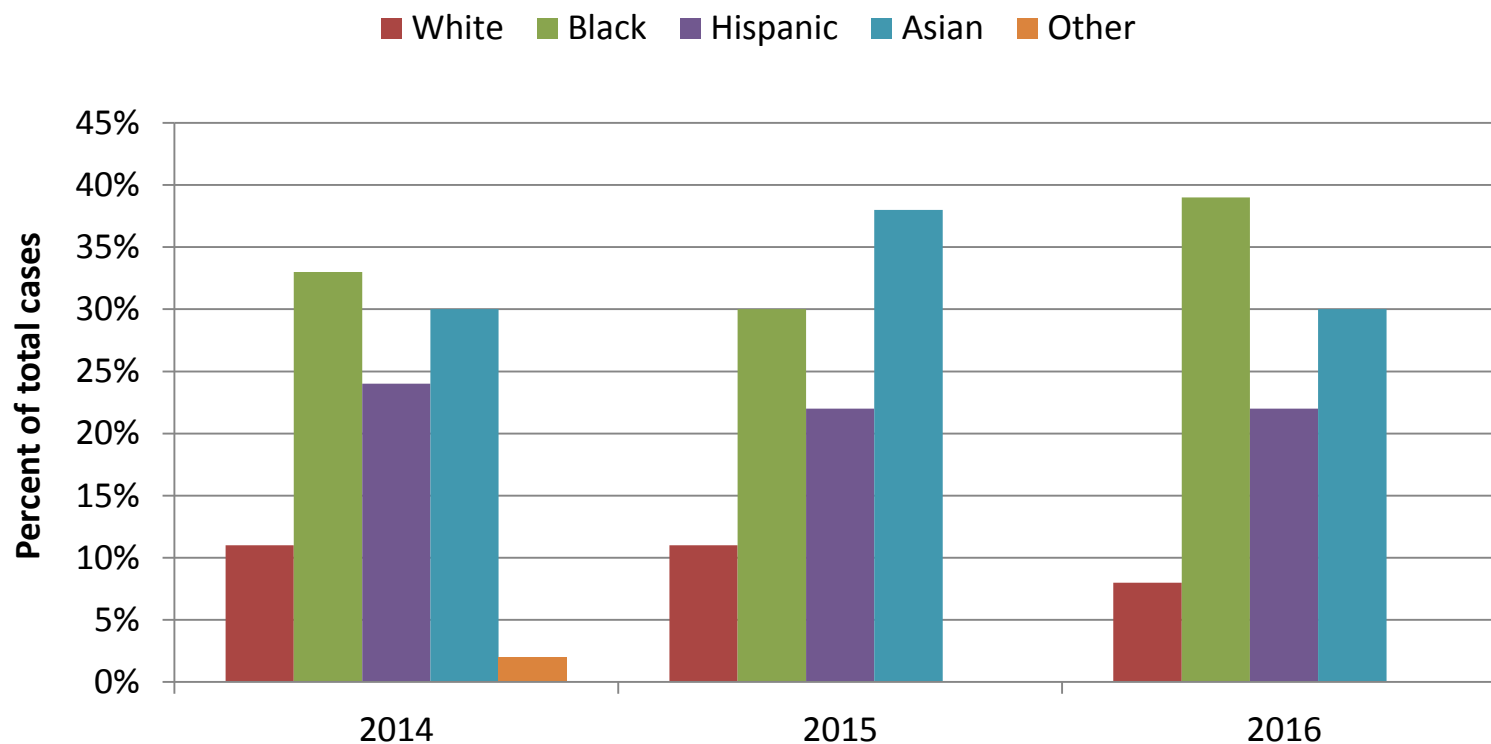


Results may not equal 100% due to rounding

# Percent of Reported Tuberculosis Cases by Race/Ethnicity: Boston, 2014-2016



Building a Healthy Boston

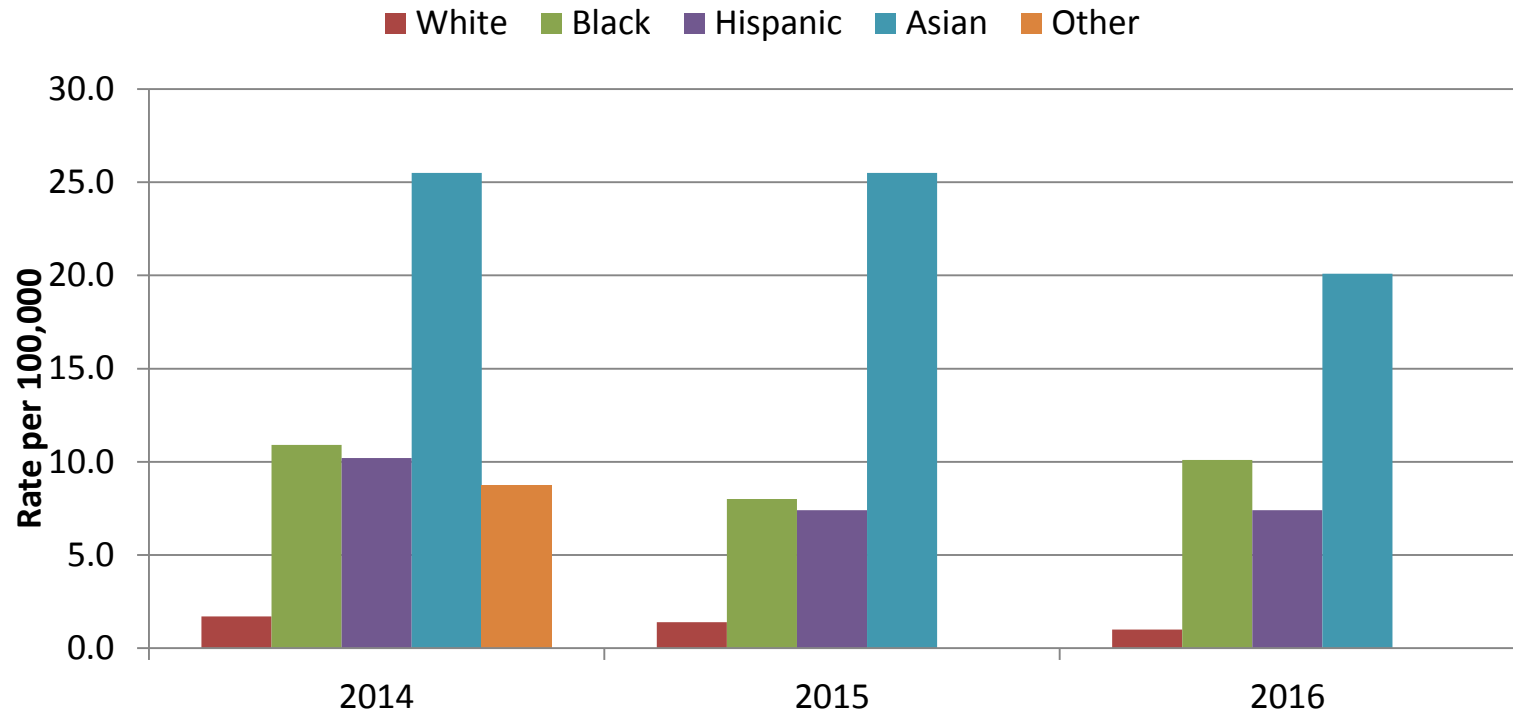


Results may not equal 100% due to rounding

# Incidence of TB by Race/Ethnicity: Boston, 2014-2016



Building a Healthy Boston

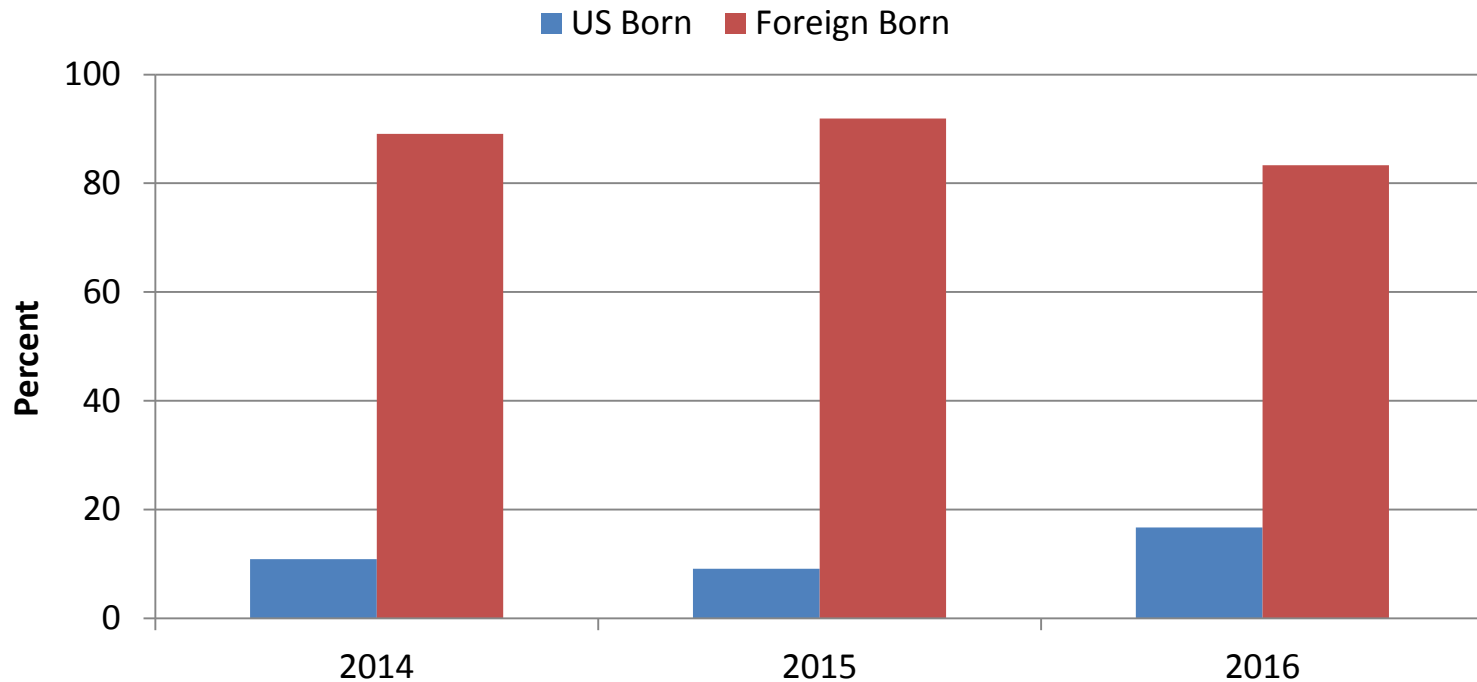




# TB Cases by Birthplace: Boston, 2014-2016



Building a Healthy Boston

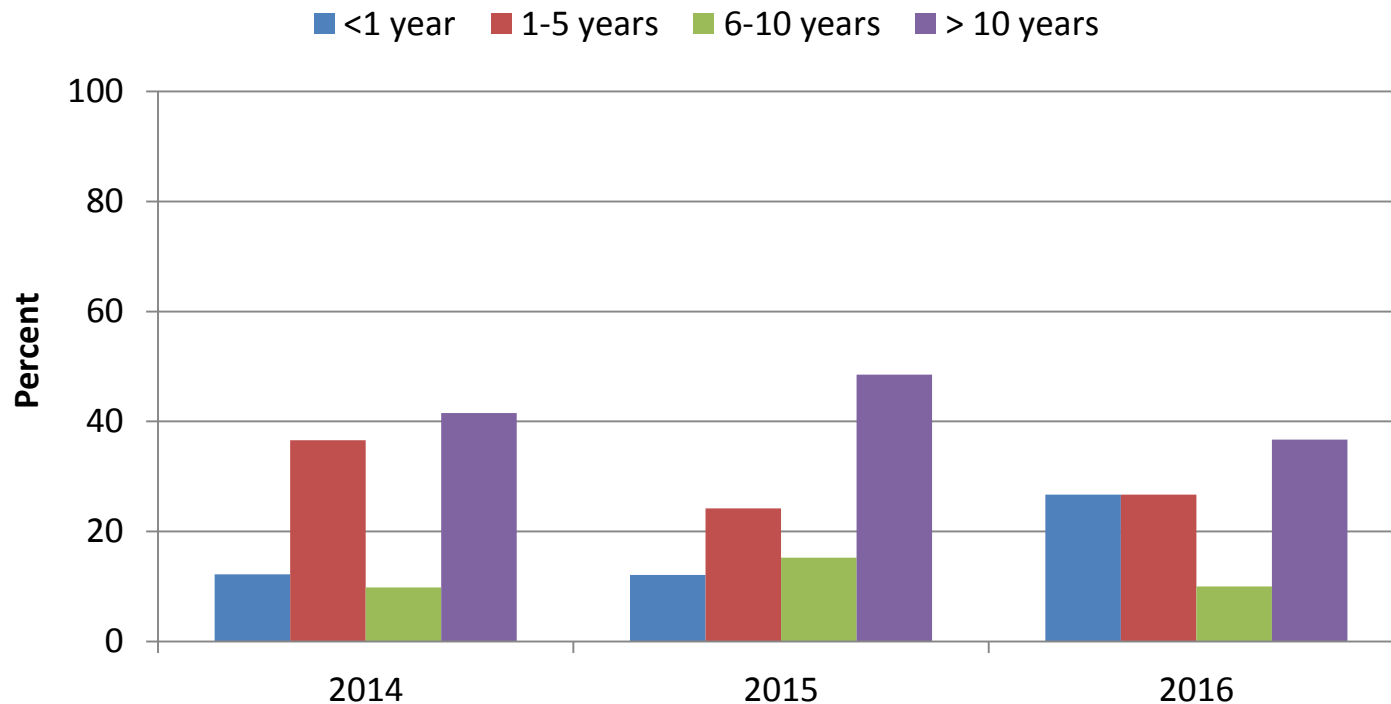


Results may not equal 100% due to rounding

# Length of US Residence for Foreign Born TB Cases Prior to TB Diagnosis: Boston, 2014-2016



Building a Healthy Boston

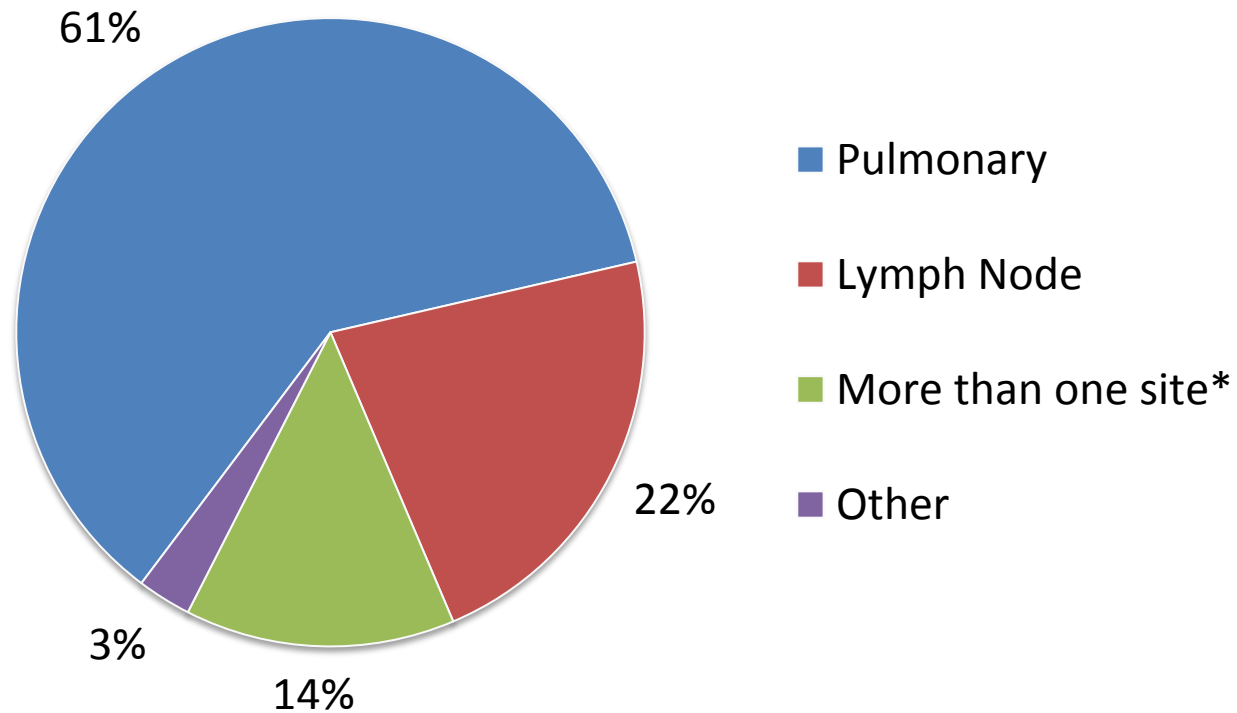


Results may not equal 100% due to rounding

# Primary Site of TB Disease: Boston, 2016



Building a Healthy Boston

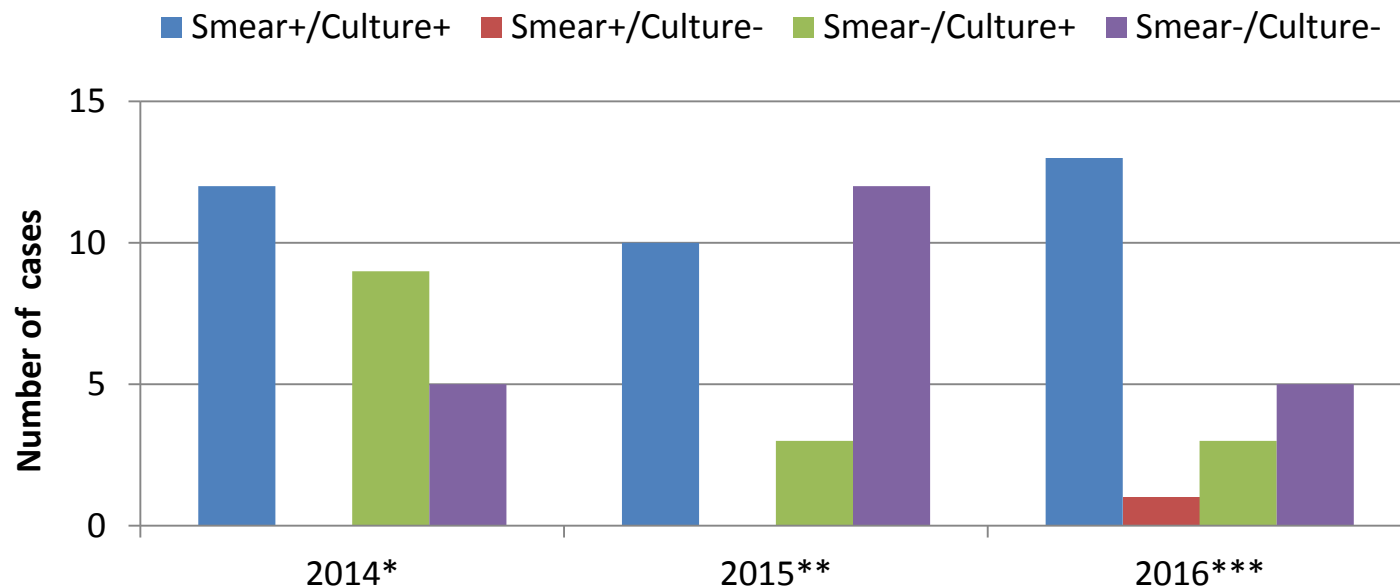


\*Includes 3 cases of Pulmonary/Lymph Node TB; 1 case of Pulmonary /Lymph Node/Spinal TB; and 1 case of Pulmonary/Lymph Node/Gastrointestinal TB

# Sputum Smear and Culture Results for Cases with Primary Pulmonary TB: Boston, 2014-2016



Building a Healthy Boston



\*Sputum samples unavailable for 4 cases

\*\*Sputum samples unavailable for 1 case

\*\*\*Sputum sample unavailable for 5 cases

# Drug Resistance\* in TB Cases: Boston, 2016



Building a Healthy Boston

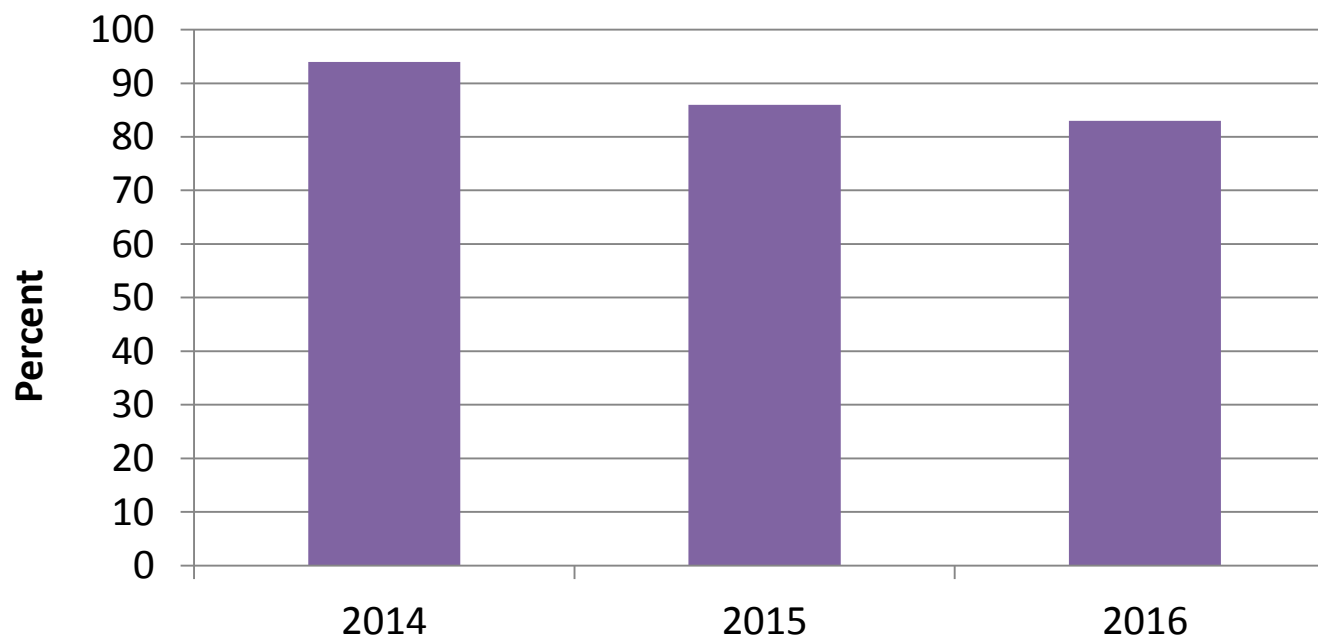
		Number
One Drug	Isoniazid	2
	Streptomycin	2

\*No Boston cases with multidrug resistance

# Completeness of HIV Testing\* of TB Cases: Boston, 2014-2016



Building a Healthy Boston

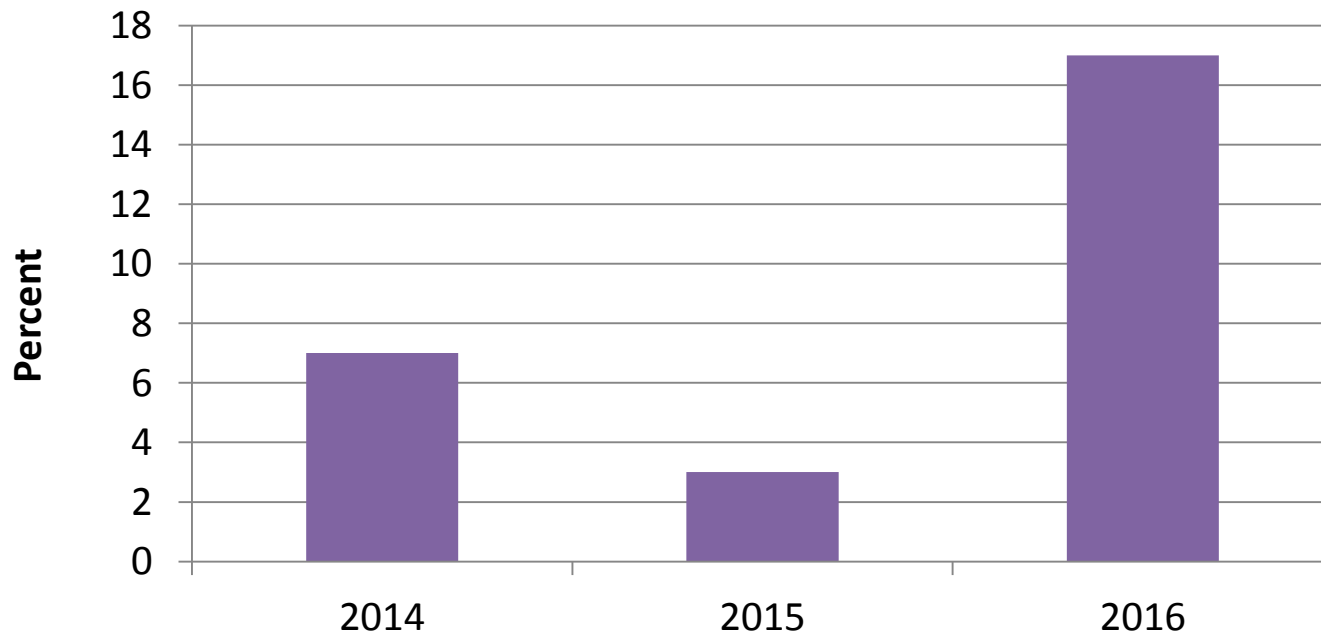


**\*Includes cases with negative, positive and indeterminate HIV test results**

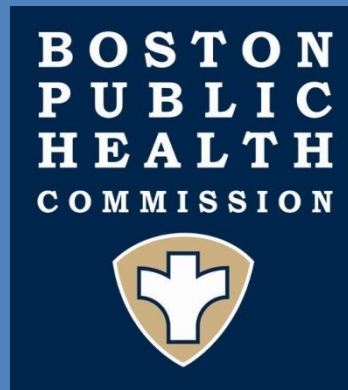
# Percent TB Cases with HIV Infection: Boston, 2014-2016



Building a Healthy Boston



**\*Of those tested**



Building a Healthy Boston

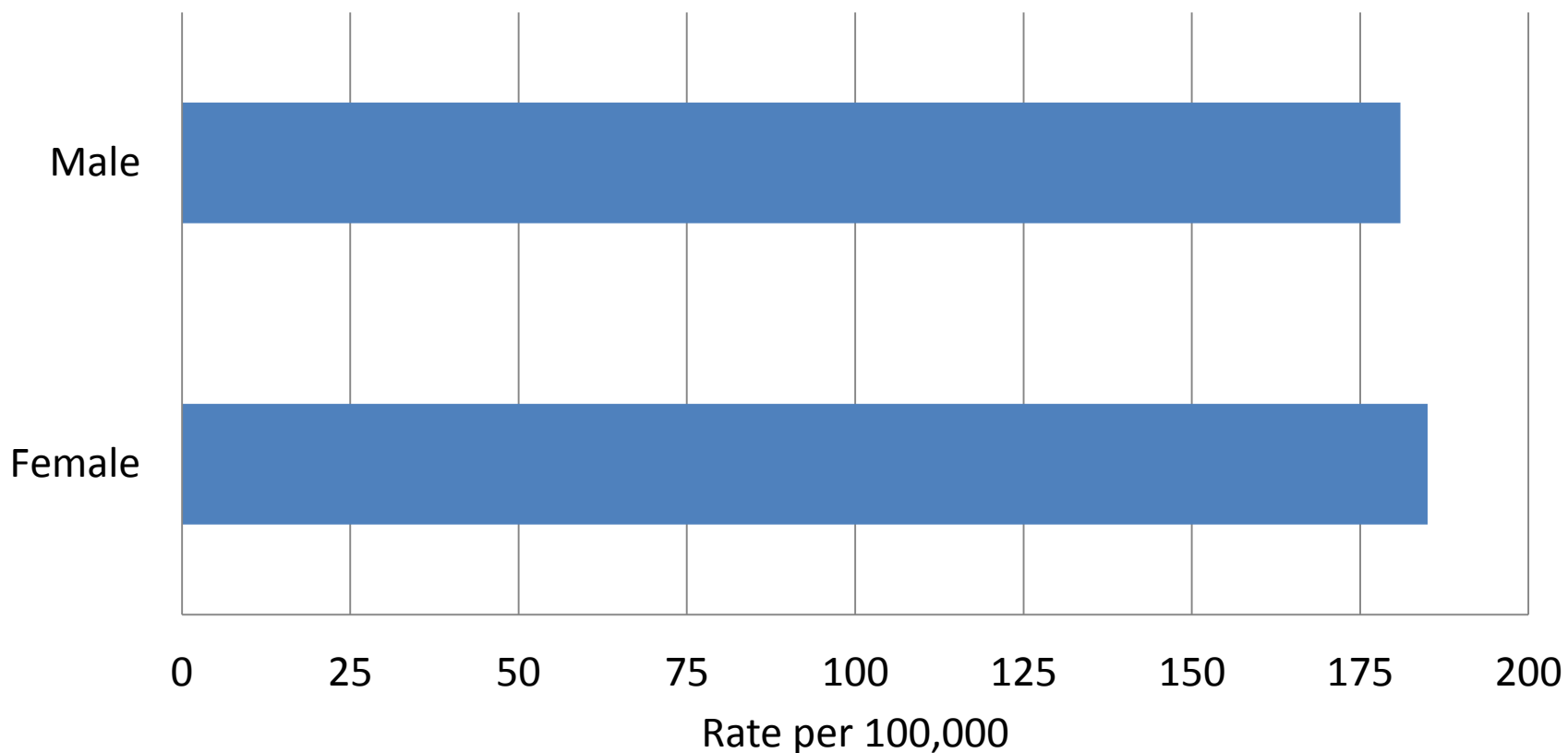
# **Latent Tuberculosis Infection Boston Residents**



# Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic, Incidence by Gender: 2016



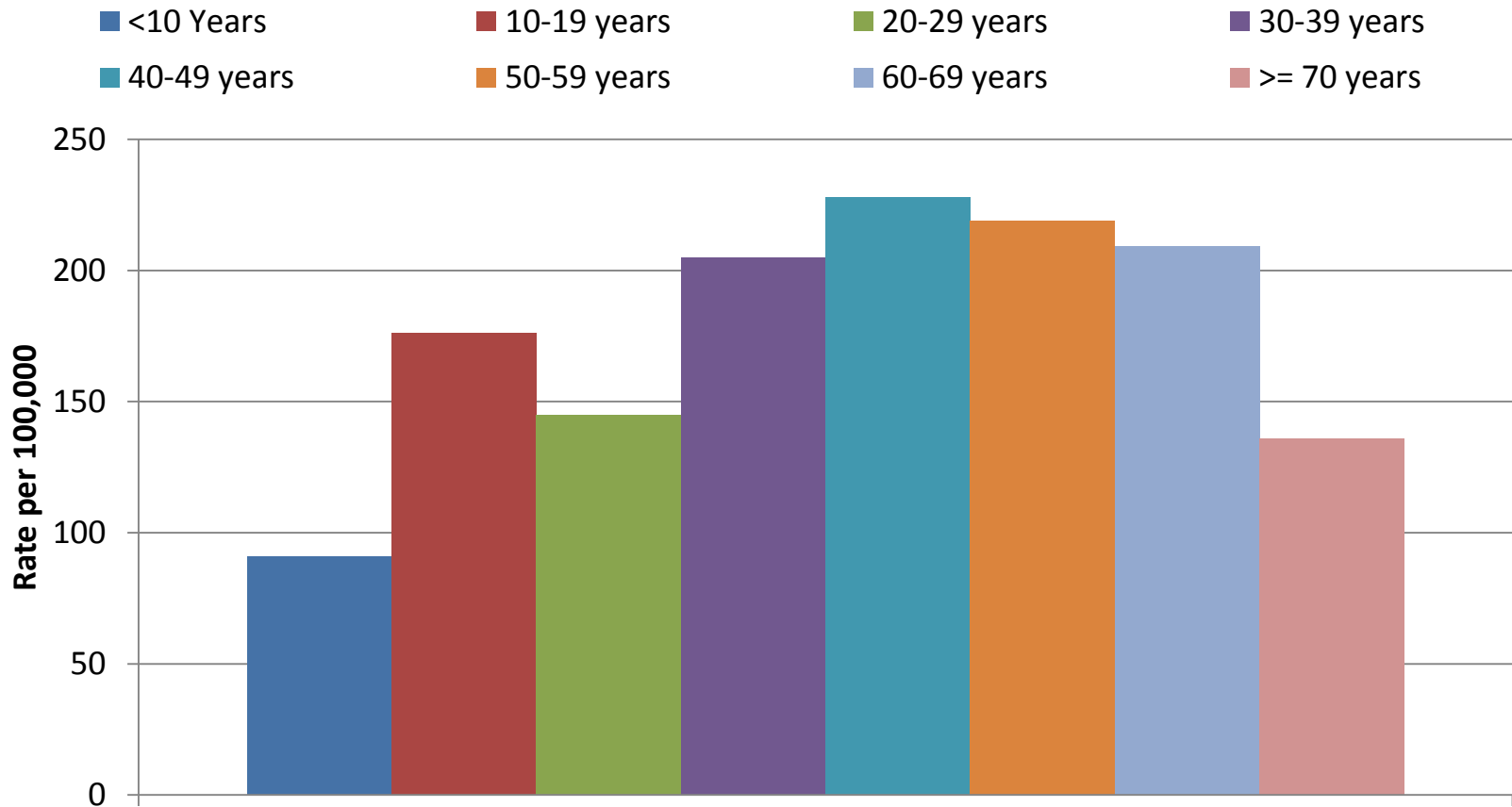
Building a Healthy Boston



# Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic, Incidence by Age Group: 2016



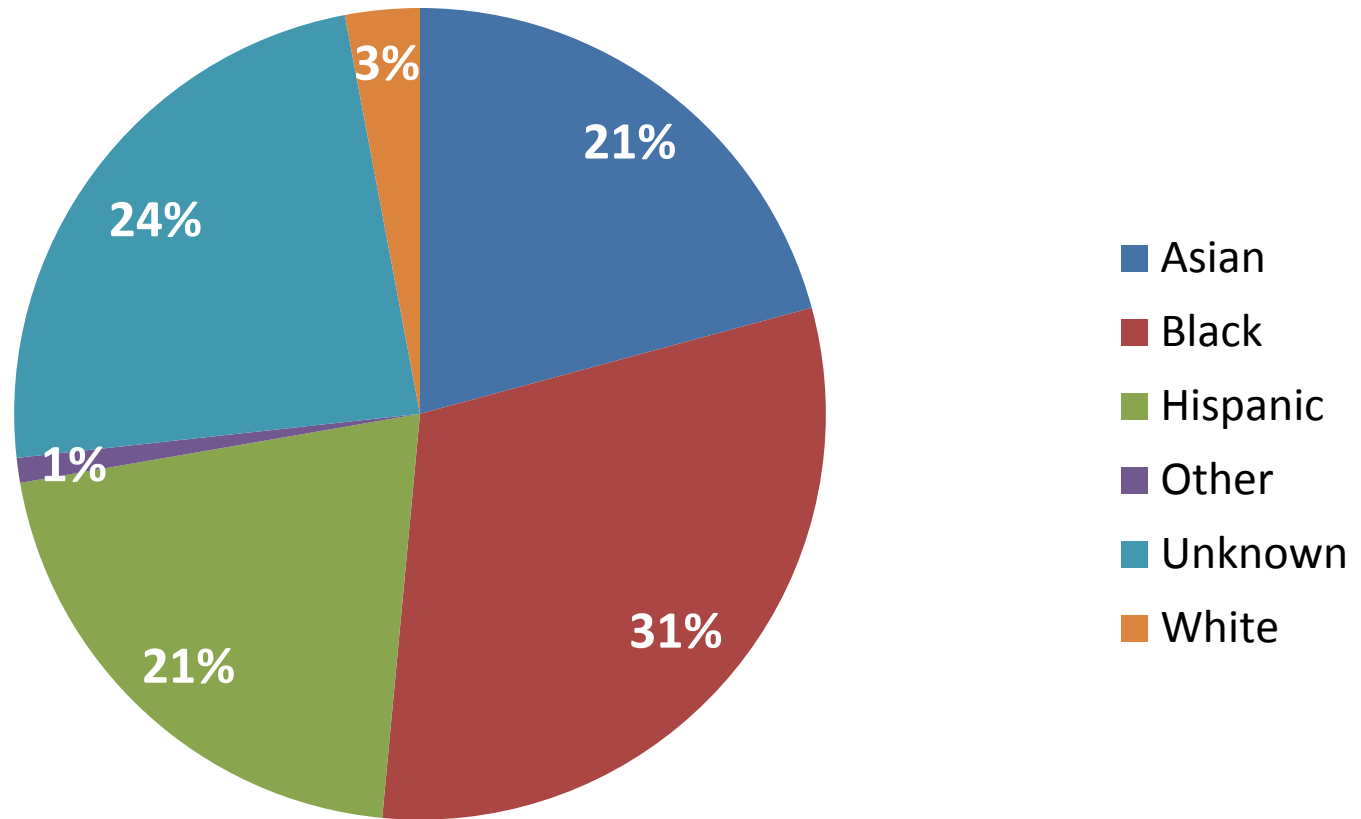
Building a Healthy Boston



# Percent of Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic by Race/Ethnicity: 2016



Building a Healthy Boston

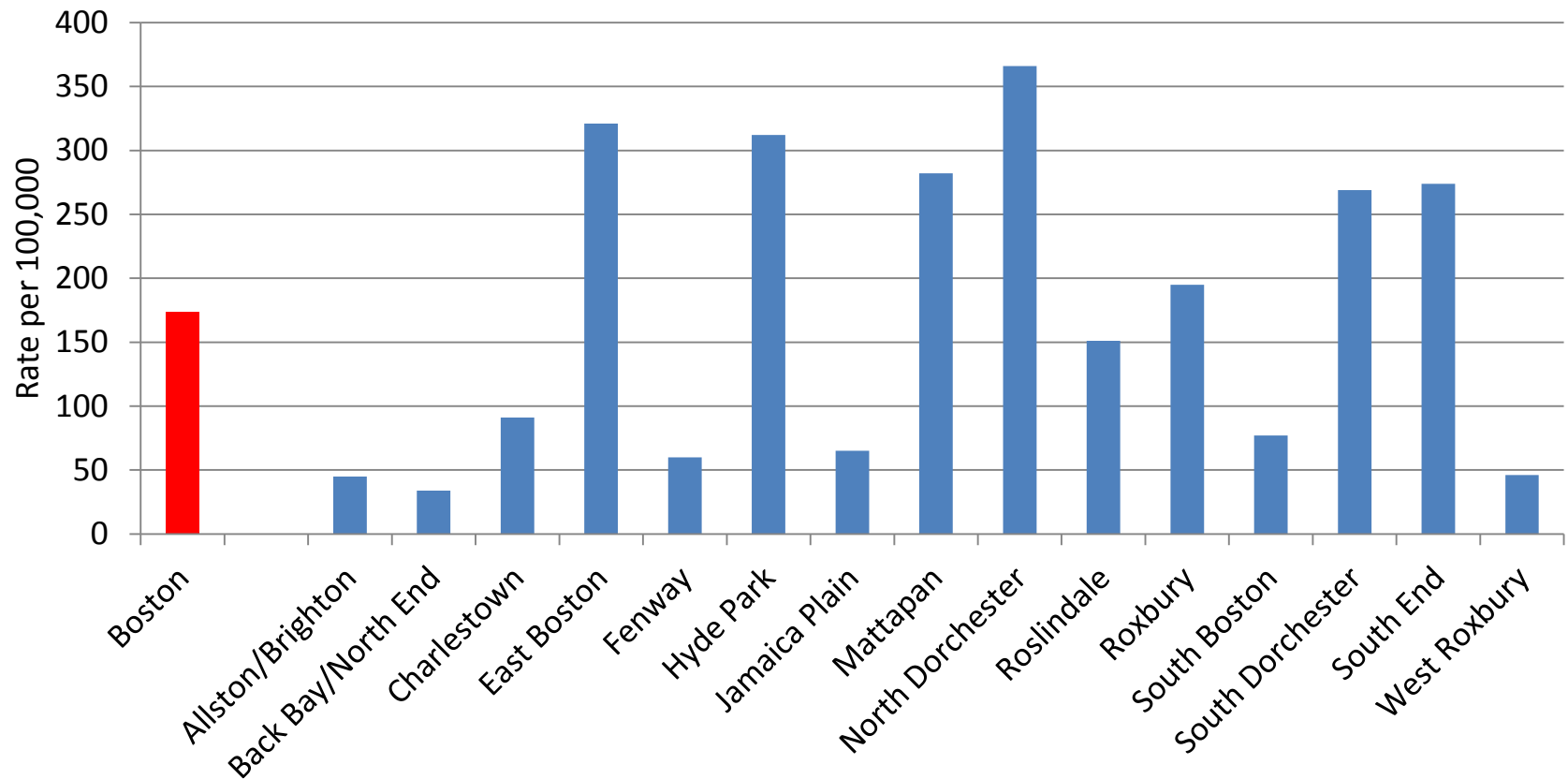


Results may not equal 100% due to rounding

# Boston Residents with Latent TB Infection (N=1,073) Evaluated at the BPHC TB Clinic, Incidence by Neighborhood: 2016



Building a Healthy Boston



Address PO Box or Invalid address: 3

**For More Information:**



Building a Healthy Boston

**BOSTON PUBLIC HEALTH COMMISSION**  
**Communicable Disease Control Division**

1010 Massachusetts Avenue

Boston, MA 02118

Phone: 617-534-5611

Fax: 617-534-5905

Website: [www.bphc.org](http://www.bphc.org)