

Building a Healthy Boston

Tuberculosis Impact in Boston Residents: 2014

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

Definitions



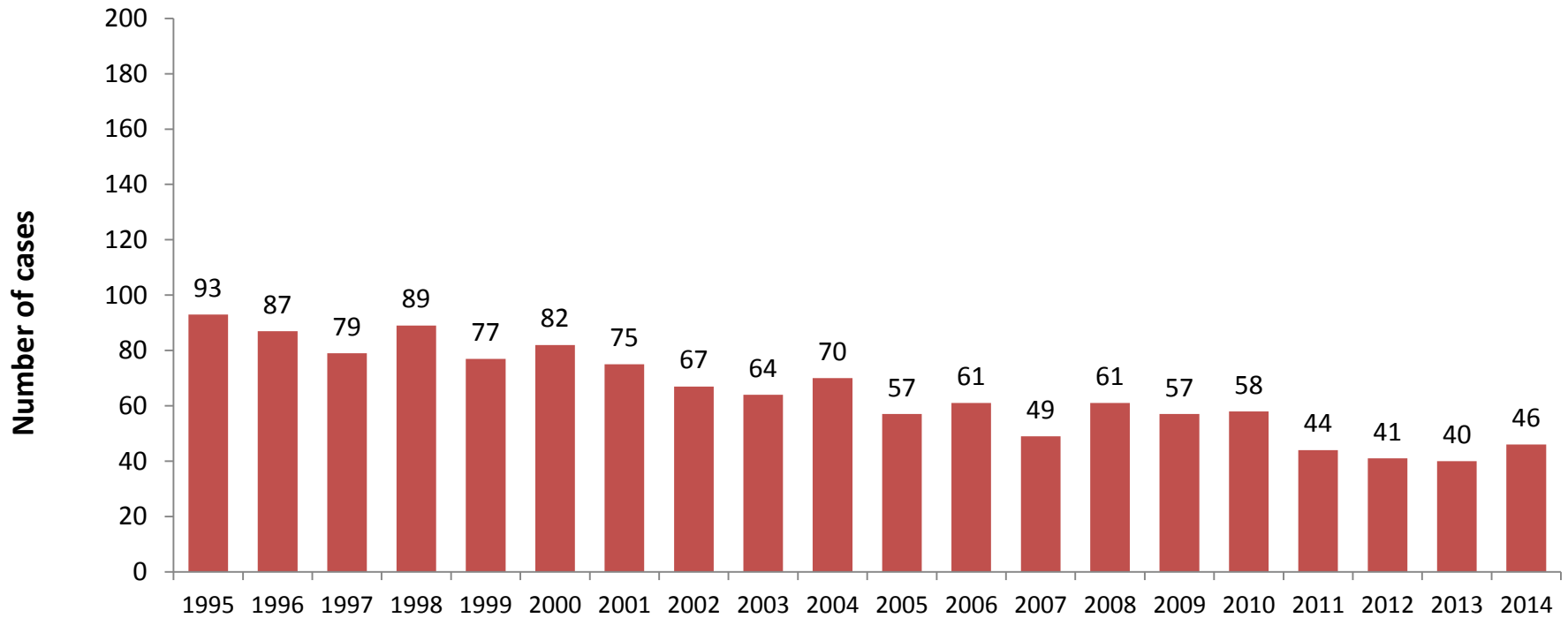
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- Data include Boston residents only
- “TB cases” are CDC/ATS/IDSA Class 3
 - “Active TB”
- “Latent TB infection” is CDC/ATS/IDSA Class 2
 - “Sleeping TB”

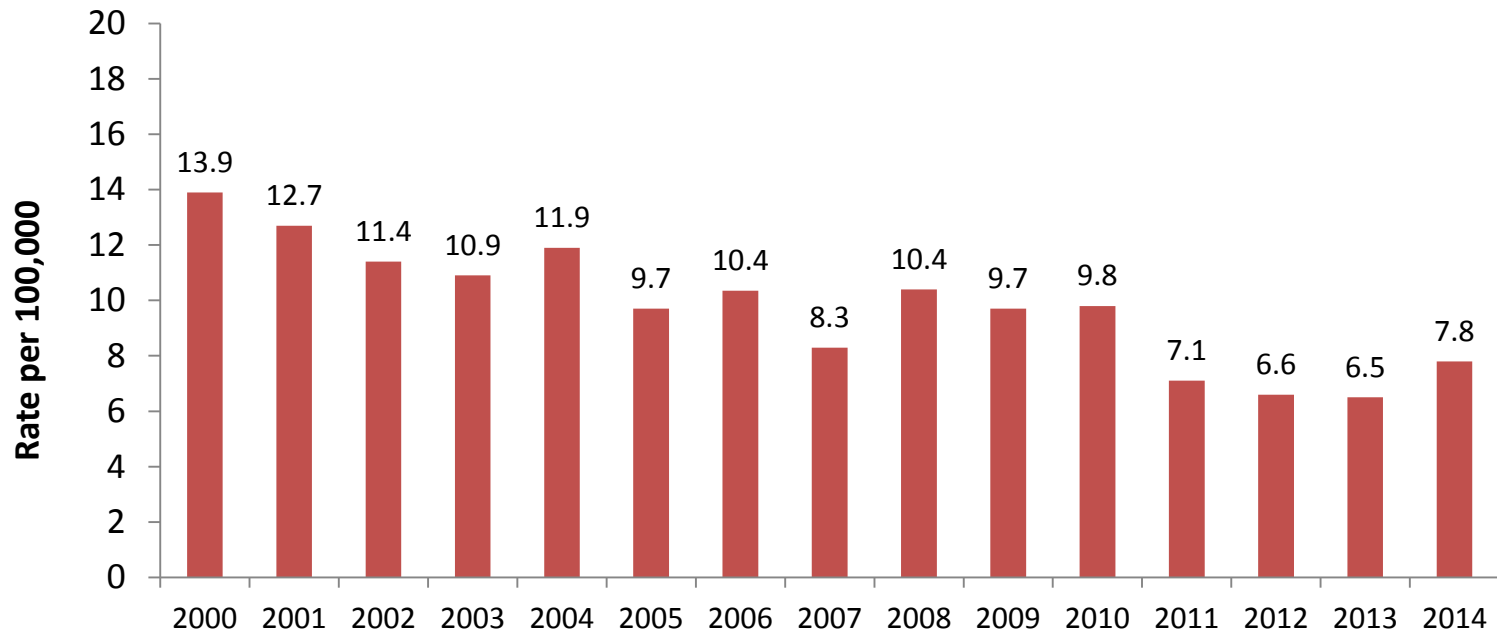


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Number of TB Cases: Boston, 1995-2014



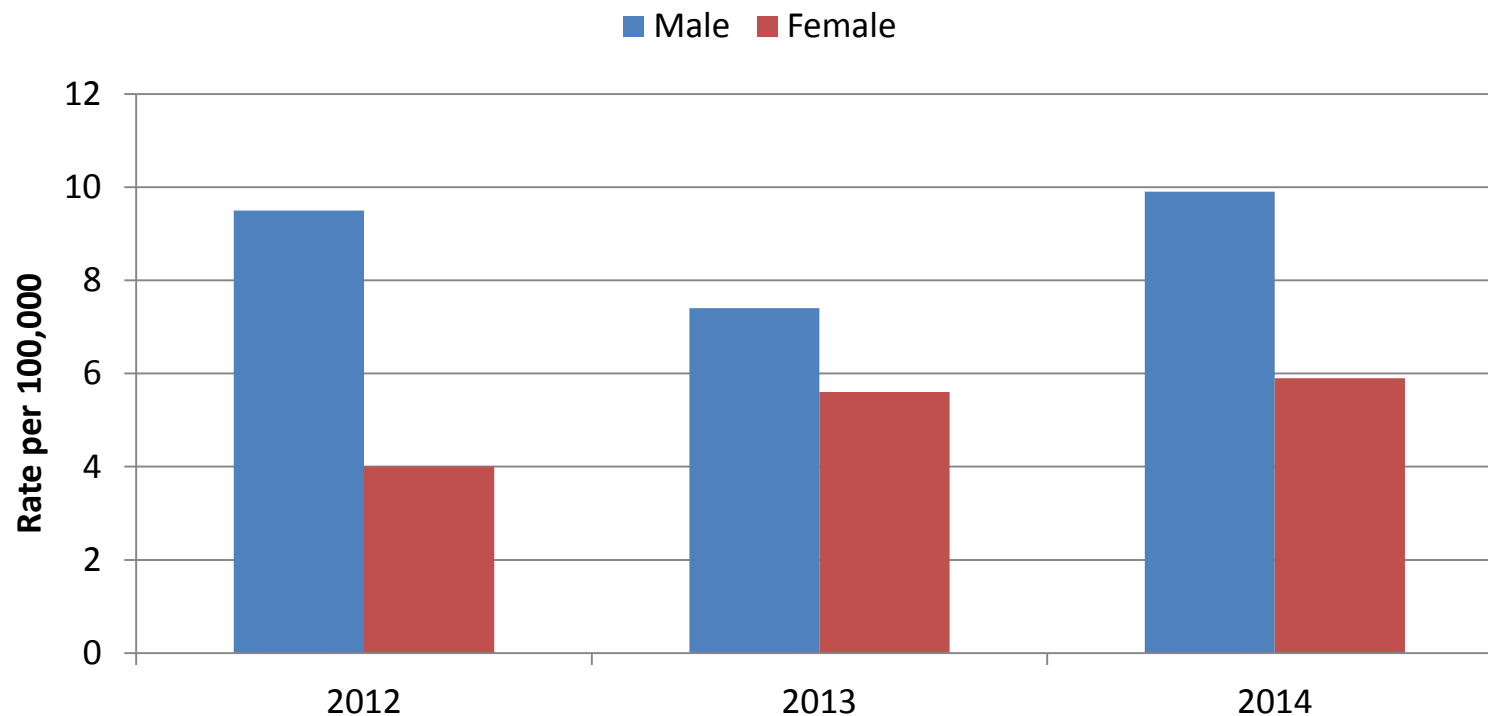
Incidence of TB: Boston, 2000-2014



Incidence of TB by Gender: Boston, 2012-2014



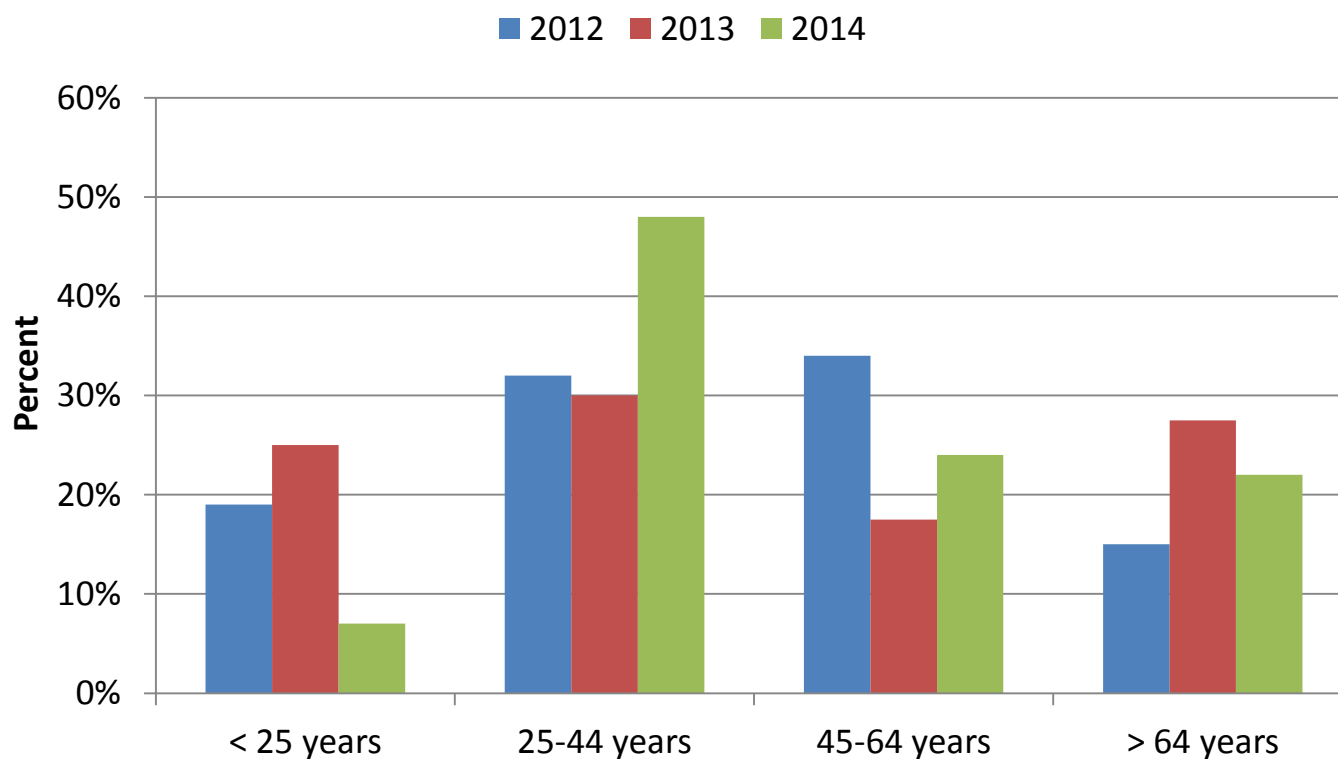
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Percent of Reported TB Cases by Age Group: Boston, 2012-2014

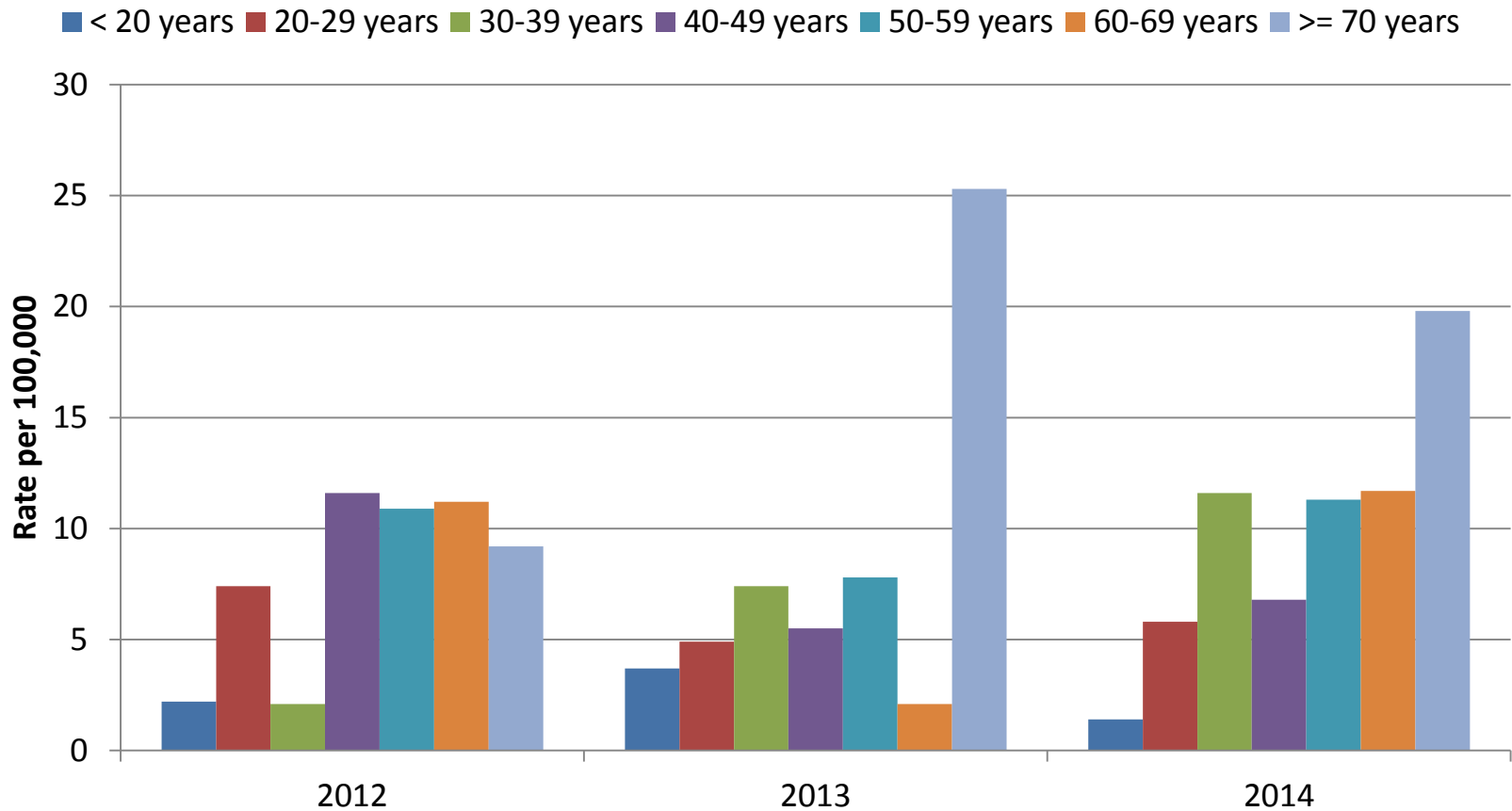


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Results may not equal 100% due to rounding

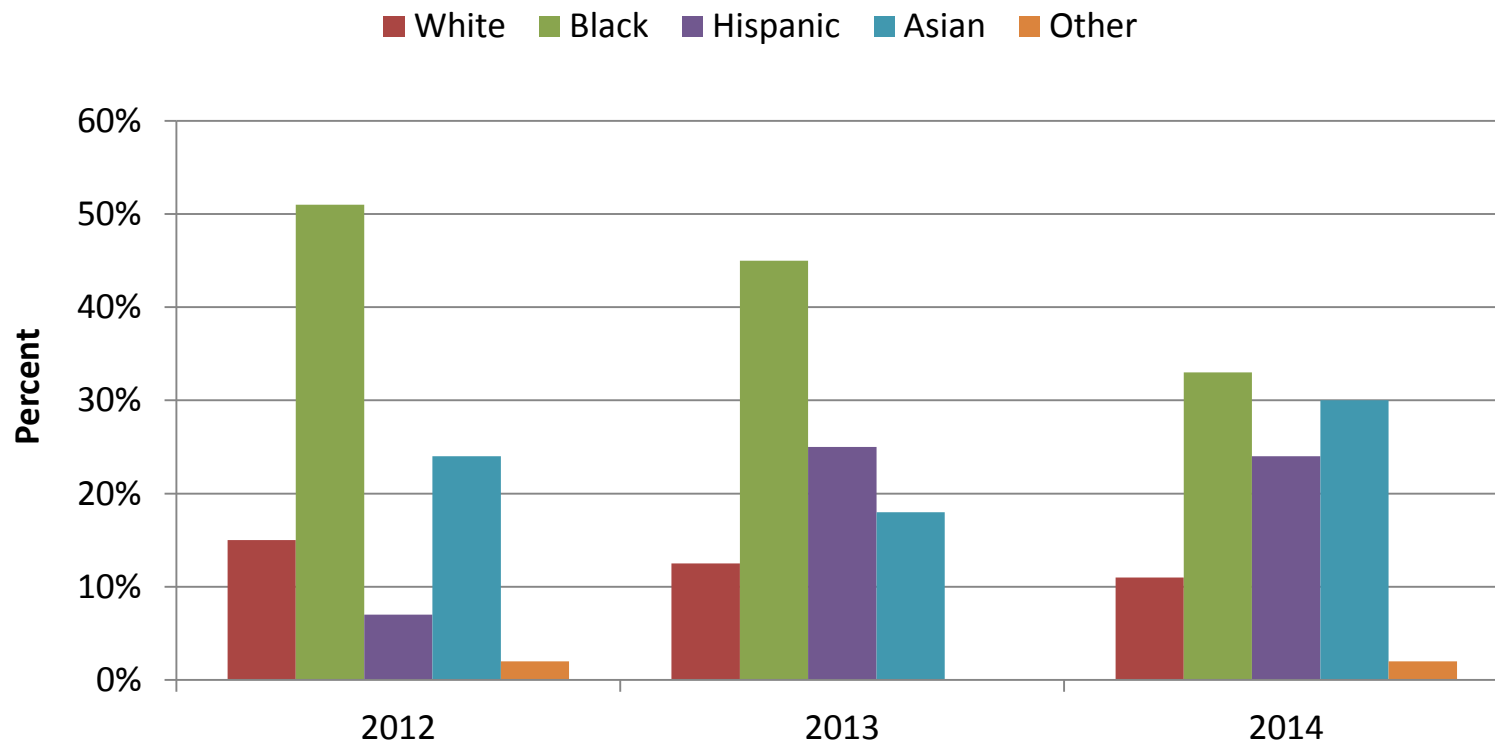
Incidence of TB by Age Group: Boston, 2012-2014



Percent of Reported Tuberculosis Cases by Race/Ethnicity: Boston, 2012-2014



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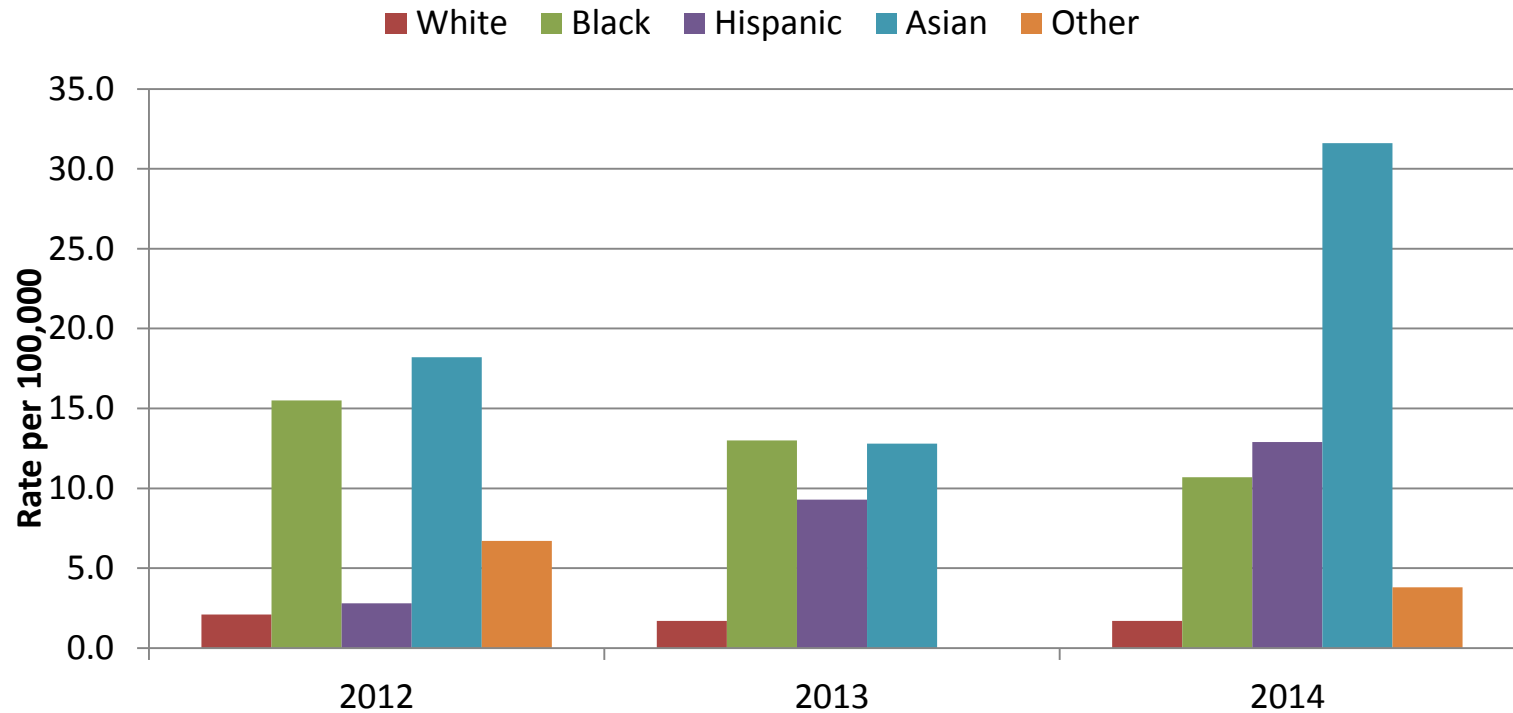


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Incidence of TB by Race/Ethnicity: Boston, 2012-2014



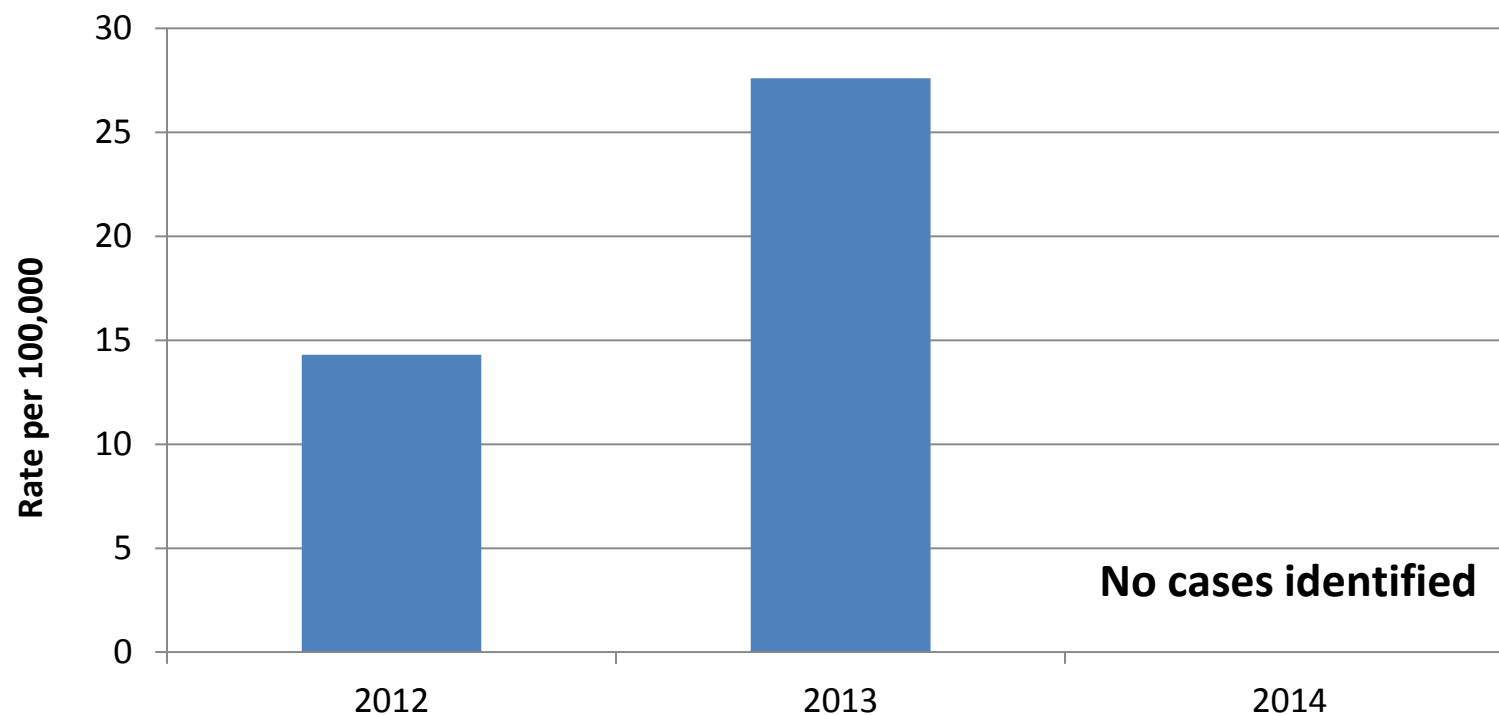
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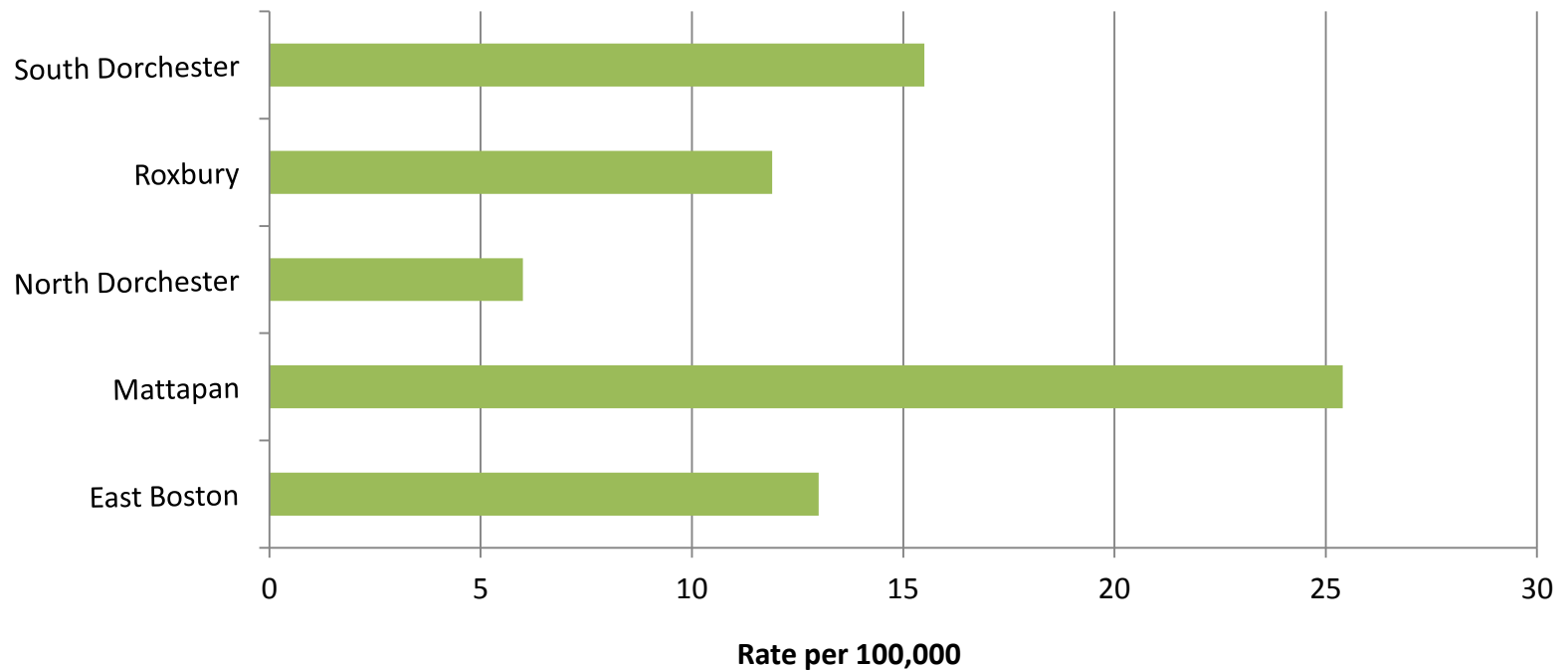
Incidence of TB Among the Homeless: Boston, 2012-2014



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TB Incidence by Neighborhood*, 2014

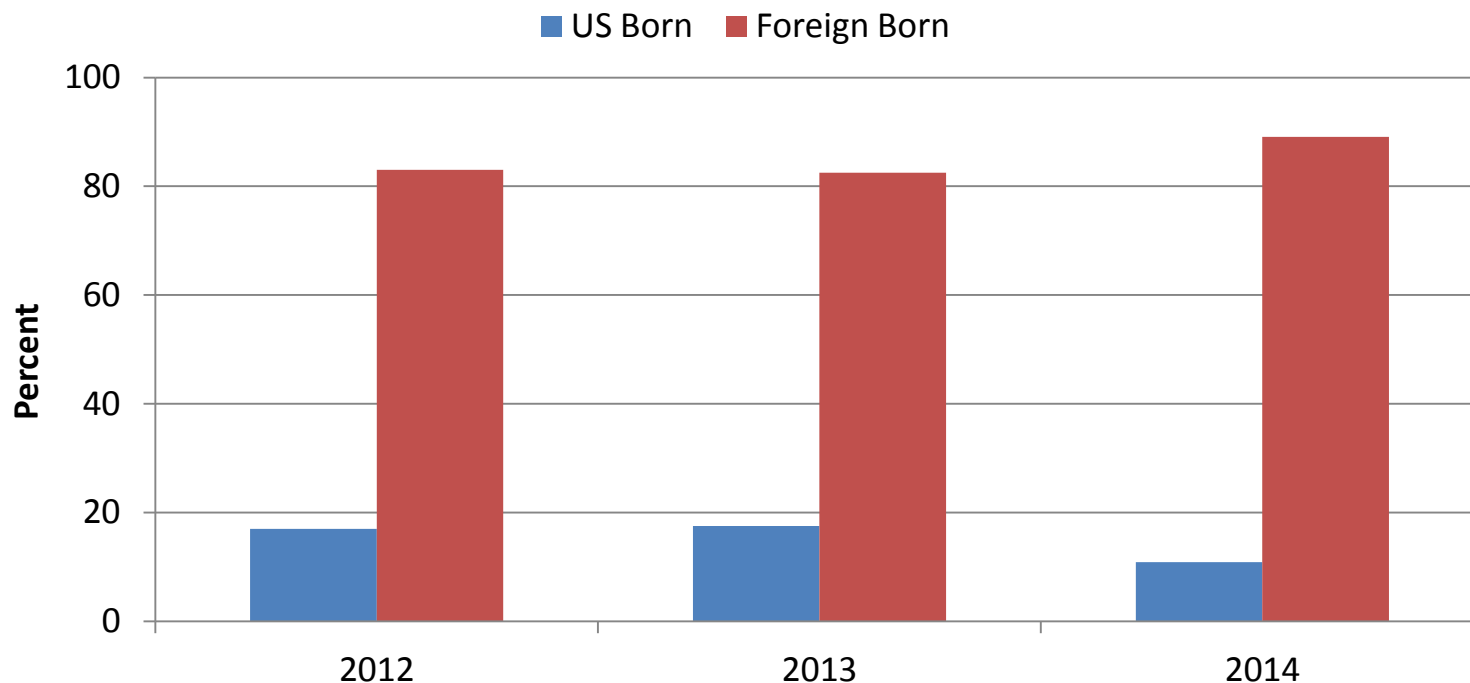


* Allston/Brighton, Back Bay/Beacon Hill/North End, Fenway, Roslindale, South Boston & South End: < 5 cases;
Charlestown, Hyde Park, Jamaica Plain, West Roxbury: 0 cases

TB Cases by Birthplace: Boston, 2012-2014



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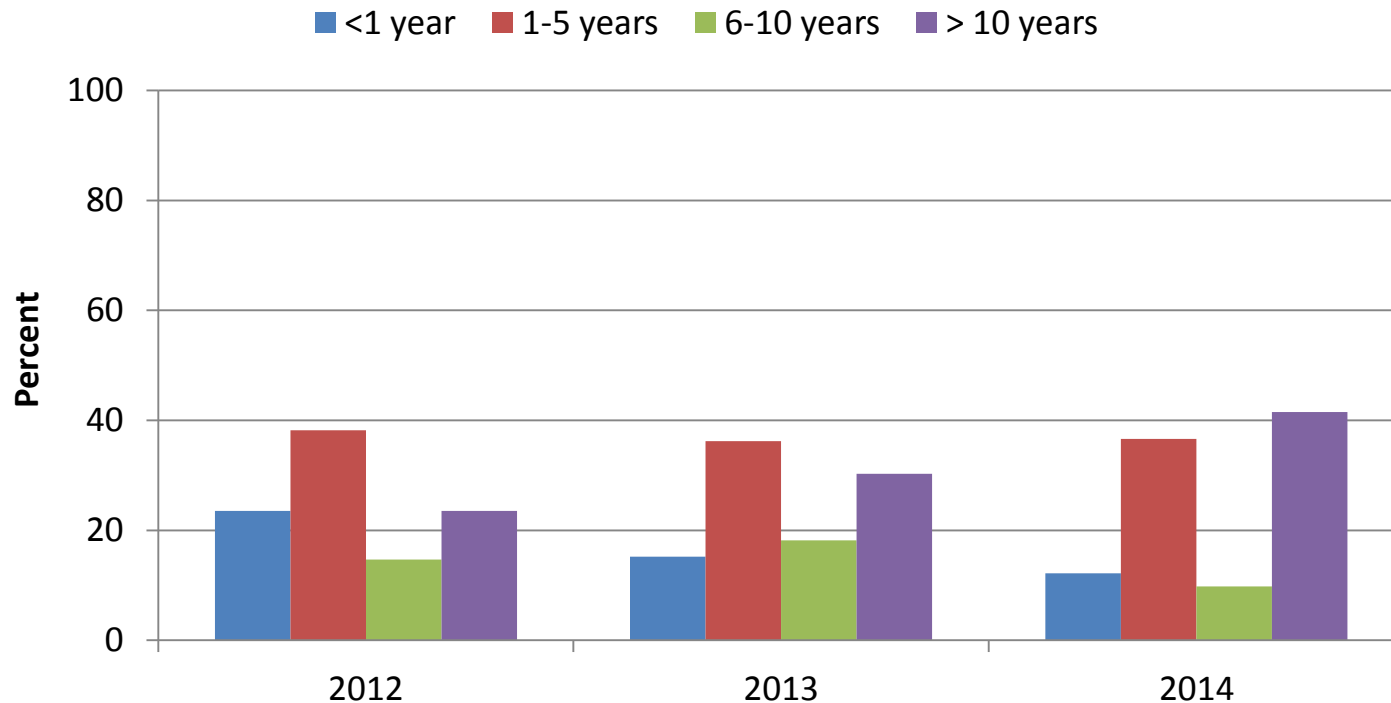


Results may not equal 100% due to rounding

Length of US Residence for Foreign Born TB Cases Prior to TB Diagnosis: Boston, 2012-2014



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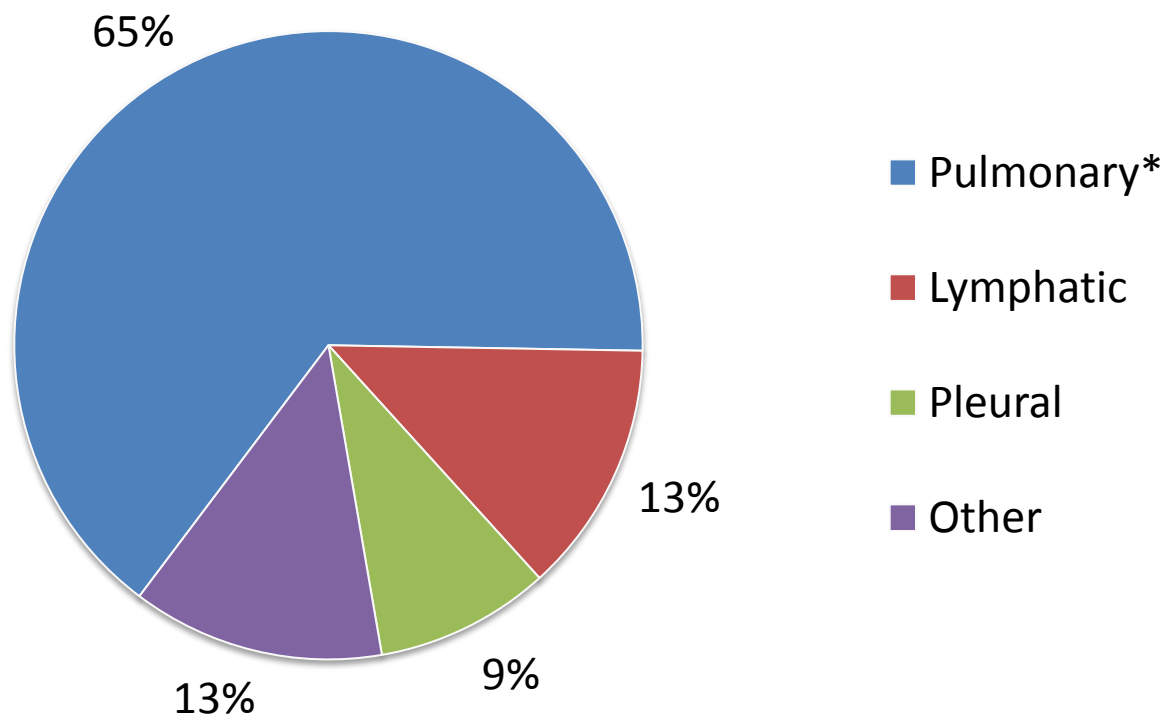


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Primary Site of TB Disease: Boston, 2014



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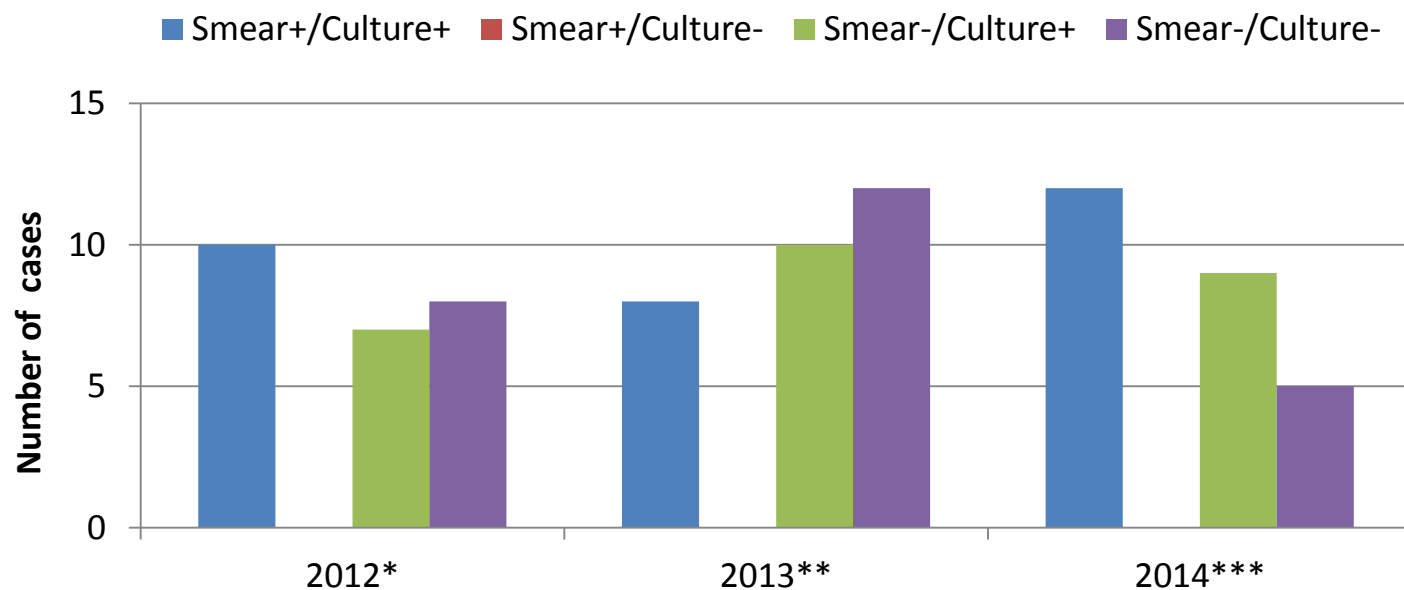


*Includes 4 cases with Pulmonary/Pleural TB and 1 case with Pulmonary/Meningitis TB

Sputum Smear and Culture Results for Cases with Primary Pulmonary TB: Boston, 2012-2014



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*Sputum samples unavailable for 1 case

**Sputum samples unavailable for 10 cases

***Sputum samples unavailable for 4 cases

Drug Resistance in TB Cases: Boston, 2014



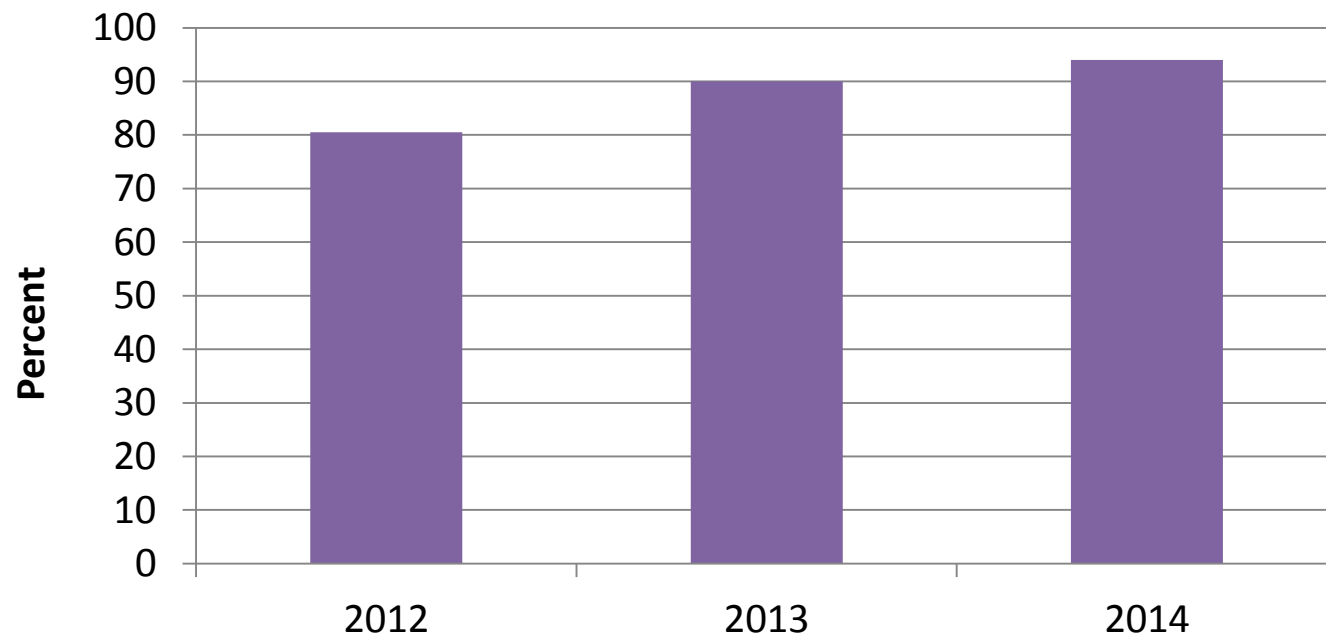
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		Number
One Drug	Isoniazid	3
	Streptomycin	1
Two Drugs	Isoniazid and Streptomycin	2
	Isoniazid and Pyrazinamide	1

Completeness of HIV Testing* of TB Cases: Boston, 2012-2014



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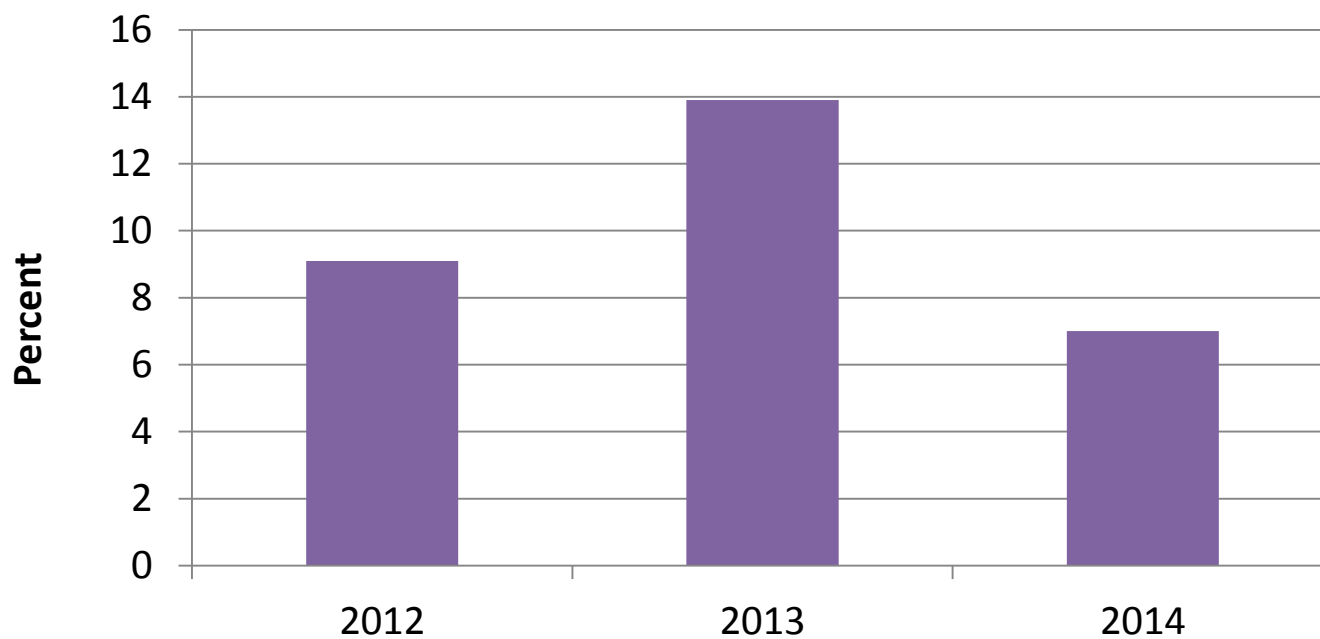


***Includes cases with negative, positive and indeterminate HIV test results**

Percent TB Cases with HIV Infection: Boston, 2012-2014



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***Of those tested**

What health care sites are diagnosing and initiating TB treatment for Boston cases?



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		2013 N=40	2014 N=46
Diagnosing site	Inpatient	26(65%)	32(70%)
	Outpatient	14(35%)	14(30%)
Initial treatment site	Inpatient	29 (72.5%)	32 (69.6%)
	TB clinic	11(27.5%)	12 (26.1%)
	Other outpatient clinic	0(0%)	2(4.3%)

Results may not equal 100% due to rounding

Who do Boston TB cases identify as their primary care site?



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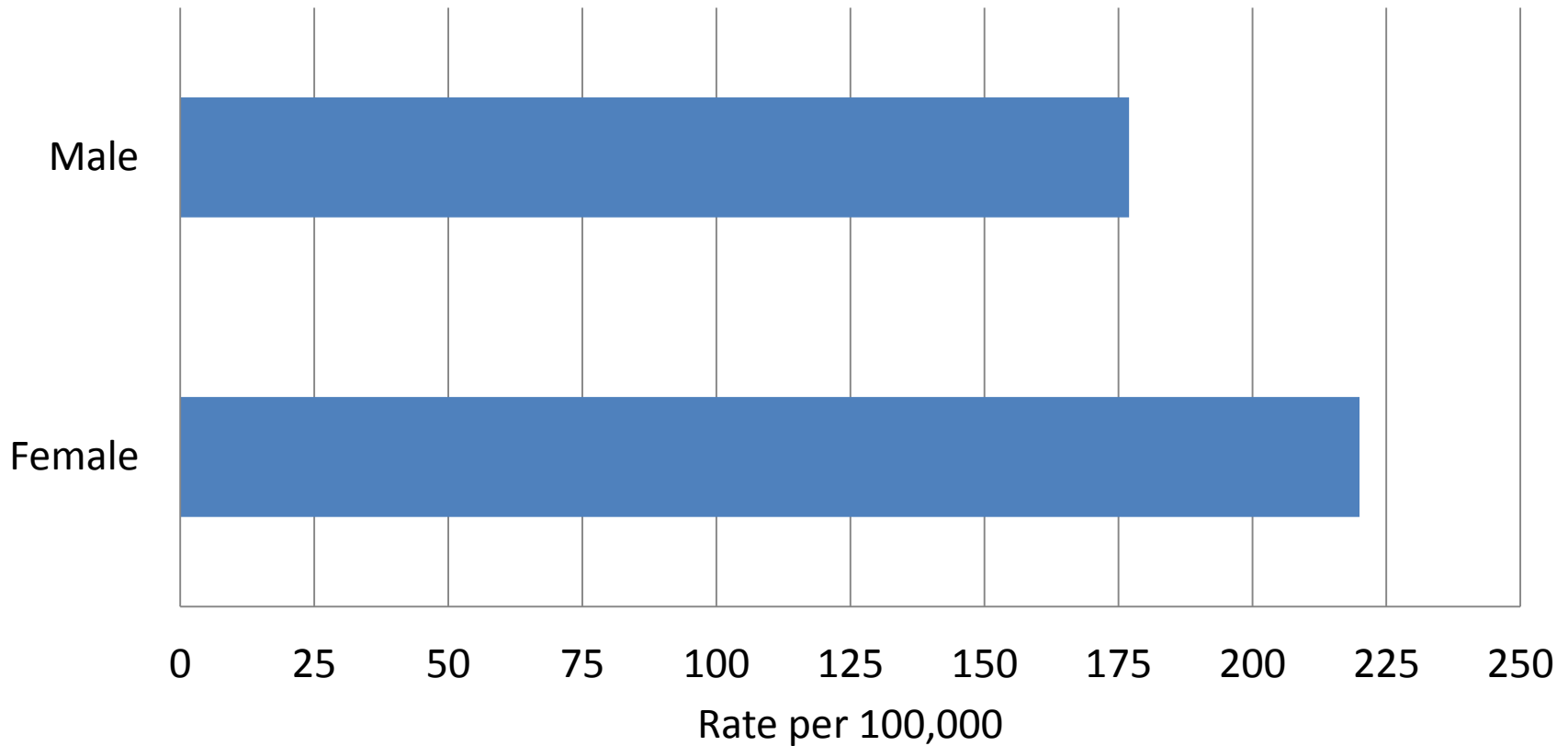
	2013 N=40	2014 N=46
Hospital outpatient clinic	19 (47.5%)	14 (30.4%)
Community health center	13 (32.5%)	23 (50.0%)
Private practices	2 (5.0%)	1 (2.2%)
Other sites	1 (2.5%)	4 (8.7%)
None identified	5 (12.5%)	4 (8.7%)

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Boston Residents with Latent TB Infection (N=1,176) Evaluated at the BPHC TB Clinic, Incidence by Gender: 2014



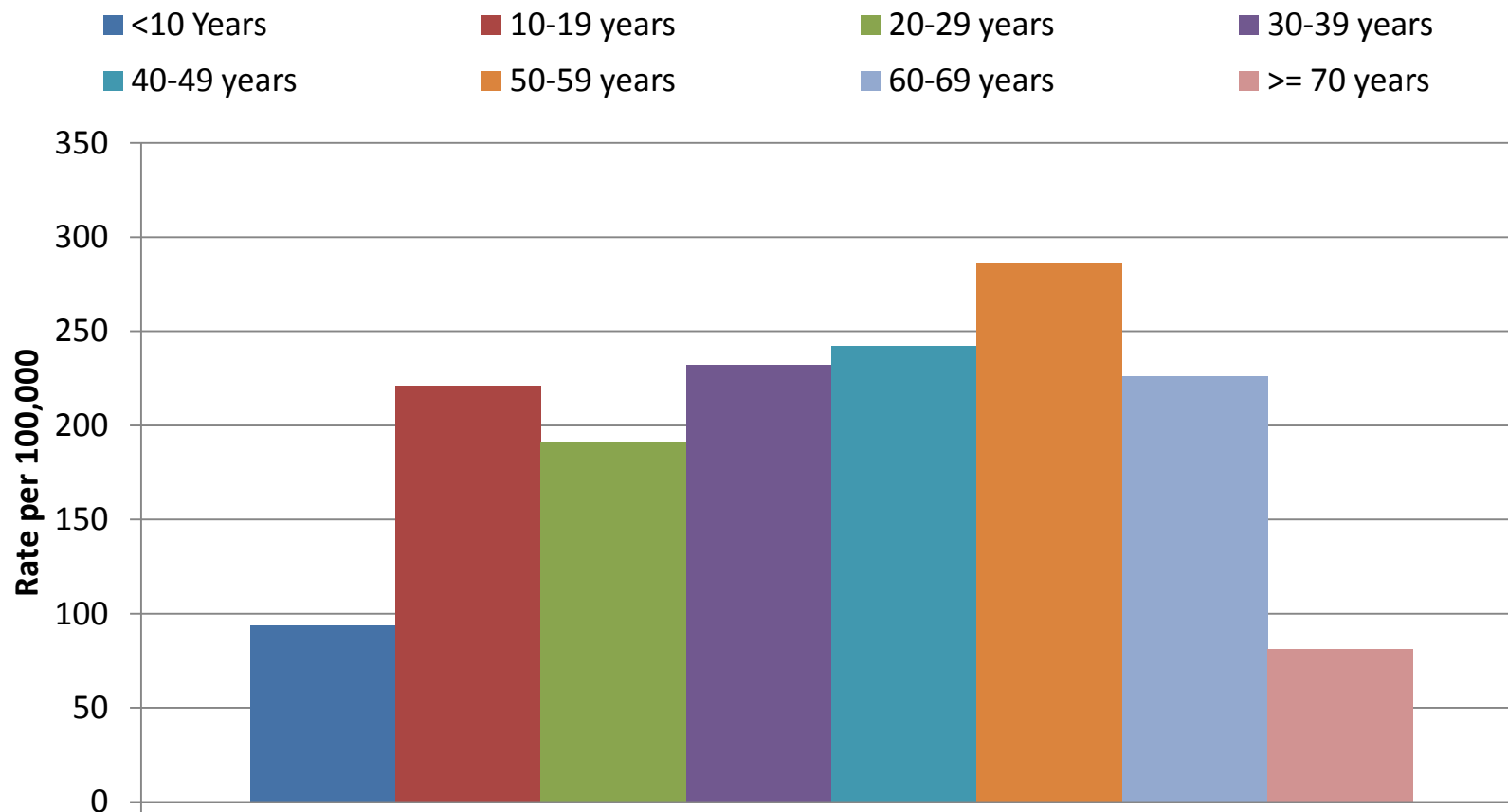
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Boston Residents with Latent TB Infection (N=1,176) Evaluated at the BPHC TB Clinic, Incidence by Age Group: 2014



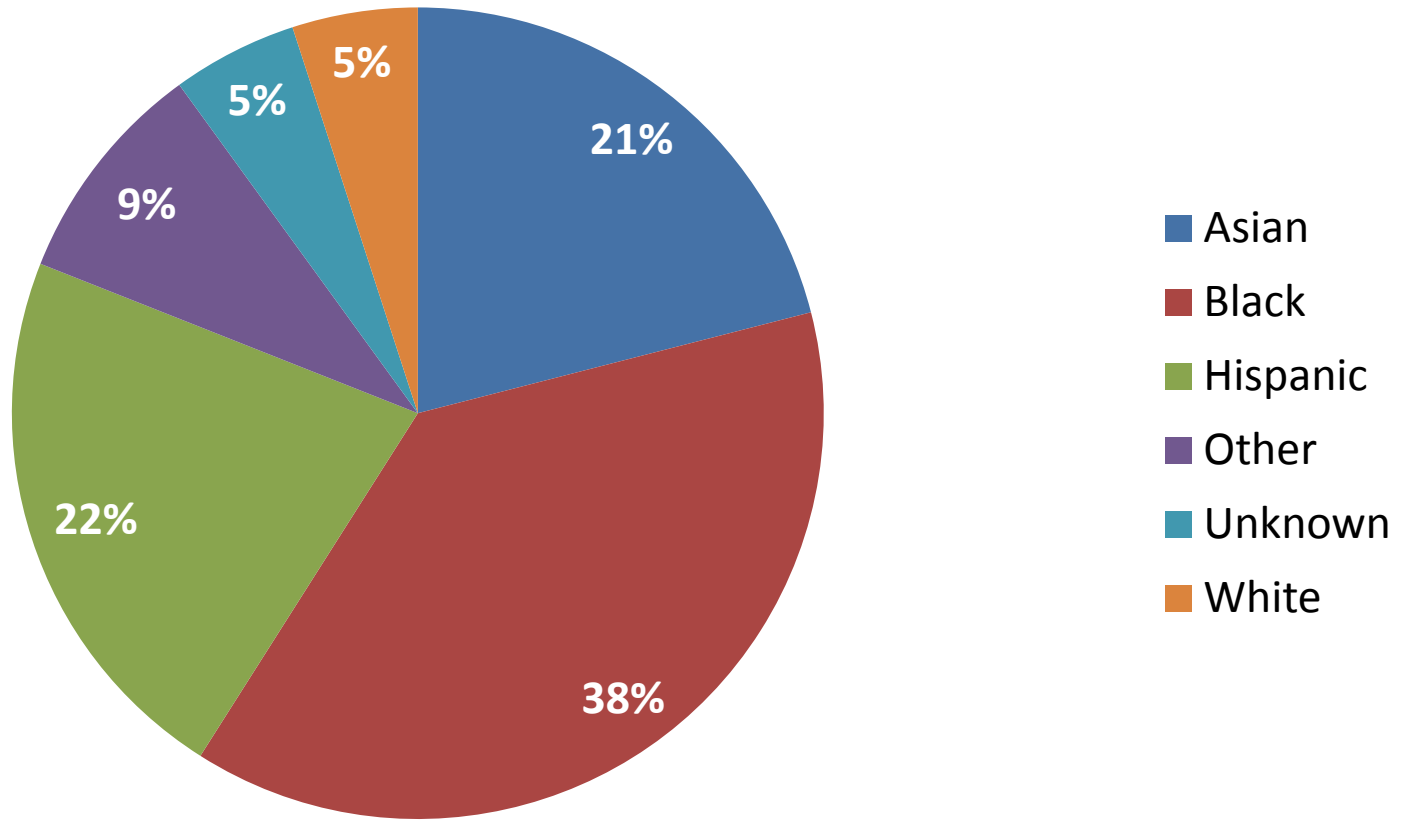
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Percent of Boston Residents with Latent TB Infection (N=1,176) Evaluated at the BPHC TB Clinic by Race/Ethnicity: 2014



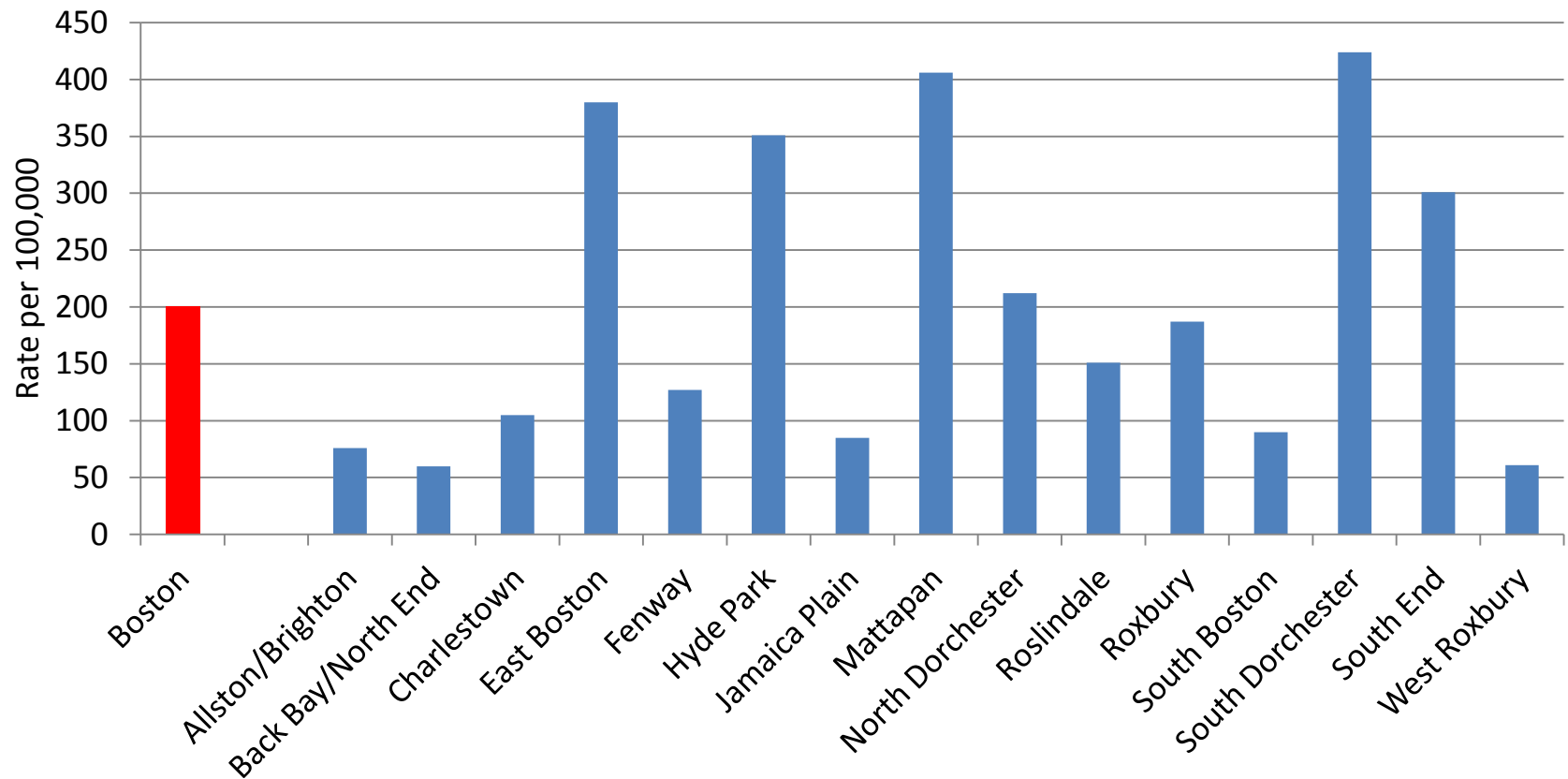
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Boston Residents with Latent TB Infection (N=1,176) Evaluated at the BPHC TB Clinic, Incidence by Neighborhood: 2014



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For More Information:



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