Findings from the
2019 State Health Assessment

Presented at the
2019 State Health Improvement Coalition Summit:
Navigating Towards Health Equity

September 20, 2019
Population and Socioeconomic Statistics
Life Expectancy


- 2014 was the peak year for life expectancy in both the US and CT

Connecticut’s population overall is getting older

Connecticut Population by Age and Sex, 2000

Connecticut Population by Age and Sex, 2017

28% increase in seniors between 2000 and 2017

Baby boomers may add another 200,000 seniors to CT over next 20 years

Shrinking tax base
Connecticut’s population is becoming more racially diverse

US Census Bureau, ACS Estimates, 2017

23% are living below 200% of the poverty threshold

US Census Bureau, American Community Survey 5-year estimates, 2013-2017

Living Wage* for Family of 3 in CT $59,502

<table>
<thead>
<tr>
<th>Family Size</th>
<th>100% of the Poverty Threshold</th>
<th>200% of the Poverty Threshold</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 person</td>
<td>$12,488</td>
<td>$24,976</td>
</tr>
<tr>
<td>2 people</td>
<td>$15,877</td>
<td>$31,754</td>
</tr>
<tr>
<td>3 people</td>
<td>$19,515</td>
<td>$39,030</td>
</tr>
<tr>
<td>4 people</td>
<td>$25,094</td>
<td>$50,188</td>
</tr>
<tr>
<td>5 people</td>
<td>$29,714</td>
<td>$59,428</td>
</tr>
</tbody>
</table>

*MIT’s Living Wage Estimate

- Almost 1 in 4 live below 200% FPL
- 1 in 10 people in CT live below 100% FPL
- Poverty is high in our cities
- Poverty is high in many of our rural towns
10% are living below 100% of the poverty threshold

- Persons of color are more likely to live in poverty than whites
- Poverty cuts across race and ethnicity


Housing Affordability

Ratio of renters spending 30% or more of gross income on rent, by town, 2013-2017

- Cost-burdened Households spend 30% or more of gross income on housing costs (rent, mortgage)
  - Owners – 29%
  - Renters – 49%
  - Limits resources for other necessities
  - Increases housing instability
    - Changes in employment status
    - Unforeseen costs (medical, car repair)

- Connecticut Eviction Rates
  - 3.0 evictions per 100 rentals = 37 per day
  - Higher than U.S. rate of 2.3 evictions

US Census Bureau, American Community Survey 5-year estimates, 2013-2017
Health Disparities

While CT compares favorably to the United States regarding many health indicators, this summary of the State Health Assessment will demonstrate that certain groups within Connecticut experience a greater share of adverse health events.

- Key Maternal and Child Health indicators
  - Unintended pregnancies
  - Teen births
  - Low birth weight
  - Infant mortality
- Adequate insurance and health care coverage
- Drinking water safety

- Lead poisoning and work-related injuries
- Infectious diseases, including STIs, HIV, vaccine preventable, and emerging trends
- Trauma related to violence and injury
- Chronic diseases and risk factors
Maternal, Infant, and Child Health

CT Department of Public Health, Pregnancy Risk Assessment Monitoring System (PRAMS), 2016

Birth Rate Among Teens Ages 15-19 By Race/Ethnicity, Connecticut, 2008-2017

Births Registry, Connecticut DPH Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017
Trends in Low Birth Weight (All Pluralities) By Race/Ethnicity, Connecticut, 2008-2018

Births Registry, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2008-2016, provisional 2017 and 2018

Infant Mortality Rate, by Race/Ethnicity, CT 2005-2017

Births and Deaths Registries, Connecticut Department of Public Health Office of Vital Records and Surveillance Analysis and Reporting Unit, 2005-2016, provisional 2017
Percent of Children, Ages 0-17, Who Are Continuously and Adequately Insured, by Federal Poverty Level (FPL), Connecticut compared to US, 2016-2017

US Health Resources and Services Administration, National Survey of Children’s Health, 2016-2017
Health Systems
Percent of Health Insurance Coverage among Adults (18-64 years old) by Race/Ethnicity, Connecticut, 2018

- No Insurance: NH White: 4, NH Black: 12, Hispanic: 26
- Private Insurance: NH White: 75, NH Black: 47, Hispanic: 39
- Medicaid: NH White: 9, NH Black: 20, Hispanic: 16
- Medicare: NH White: 4, NH Black: 11, Hispanic: 8

CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018

Percent of Adults with at Least One Primary Healthcare Provider, Overall and by Race/Ethnicity, Connecticut, 2018

- Health People 2020 Target: NH White: 84, NH Black: 84, Hispanic: 89
- Connecticut: NH White: 77, NH Black: 67

CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018
Percent of Children Under 18 Years Old Receiving Care Within a Medical Home, by US, New England States (HRSA Region 1), Race/Ethnicity, Connecticut, 2016

US Health Resources and Services Administration, National Survey of Children's Health, 2016

Trends in Emergency Room Visits for All Services Other Than Pregnancy and Birth, by Insurance Type, Connecticut, 2013-2017

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2013-2017
Percent of Local Health Departments (LHD) Satisfying Enhanced National Culturally and Linguistically Appropriate Services Standards By LHD Type, Connecticut, 2018

CT Department of Public Health, Local Health Annual Survey, 2018
Drinking Water

- EPA Target

<table>
<thead>
<tr>
<th>Quarter/Year</th>
<th>Percent of Population</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q3 2017</td>
<td>98.6</td>
</tr>
<tr>
<td>Q4 2017</td>
<td>98.6</td>
</tr>
<tr>
<td>Q1 2018</td>
<td>98.5</td>
</tr>
<tr>
<td>Q2 2018</td>
<td>96.1</td>
</tr>
<tr>
<td>Q3 2018</td>
<td>96.2</td>
</tr>
<tr>
<td>Q4 2018</td>
<td>98.5</td>
</tr>
<tr>
<td>Q1 2019</td>
<td>96.1</td>
</tr>
<tr>
<td>Q2 2019</td>
<td>98.5</td>
</tr>
</tbody>
</table>
Environmental Health
Percent of Severe Housing Code Violations that Were Corrected Upon Reassessment, Connecticut, 2011-2017

<table>
<thead>
<tr>
<th>Year</th>
<th>Percentage Corrected</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>59%</td>
</tr>
<tr>
<td>2012</td>
<td>47%</td>
</tr>
<tr>
<td>2013</td>
<td>72%</td>
</tr>
<tr>
<td>2014</td>
<td>64%</td>
</tr>
<tr>
<td>2015</td>
<td>84%</td>
</tr>
<tr>
<td>2016</td>
<td>86%</td>
</tr>
<tr>
<td>2017</td>
<td>73%</td>
</tr>
</tbody>
</table>

CT Department of Public Health, CT Environmental Public Health Tracking Portal (Healthy Homes Surveillance System), 2011-2017

Percentage of Lead Poisoned Children Under 6 Years of Age By Race/Ethnicity, Connecticut, 2012-2017

<table>
<thead>
<tr>
<th>Year</th>
<th>NH White</th>
<th>Hispanic</th>
<th>NH Black</th>
<th>All Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>5.9</td>
<td>4.1</td>
<td>3.1</td>
<td>2.5</td>
</tr>
<tr>
<td>2013</td>
<td>5.9</td>
<td>4.2</td>
<td>3.0</td>
<td>2.5</td>
</tr>
<tr>
<td>2014</td>
<td>5.8</td>
<td>4.0</td>
<td>3.0</td>
<td>2.5</td>
</tr>
<tr>
<td>2015</td>
<td>5.0</td>
<td>3.9</td>
<td>2.9</td>
<td>2.2</td>
</tr>
<tr>
<td>2016</td>
<td>4.8</td>
<td>3.5</td>
<td>2.7</td>
<td>2.0</td>
</tr>
<tr>
<td>2017</td>
<td>3.9</td>
<td>2.7</td>
<td>2.3</td>
<td>1.7</td>
</tr>
</tbody>
</table>

CT Department of Public Health, Lead Surveillance System, 2012-2017
Percentages of Pre-1979 Housing and Lead Poisoned Children Under 6 Years Old, By Town, Connecticut, 2013-2017

Incidence Rate for Non-Fatal Work-Related Injuries By Race, Connecticut, 2011-2017


<table>
<thead>
<tr>
<th>Race/Ethnicity</th>
<th>Fatal Work-Related Injuries per 100,000 Workers</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total fatal injuries</td>
<td>9.6</td>
</tr>
<tr>
<td>NH White</td>
<td>8.1</td>
</tr>
<tr>
<td>Hispanic or Latino</td>
<td>10.9</td>
</tr>
<tr>
<td>NH Black or African-American</td>
<td>9.8</td>
</tr>
<tr>
<td>NH Asian</td>
<td>5.4</td>
</tr>
</tbody>
</table>

Climate and Health
Heat-related Illness (HRI) in Connecticut

- Forms of HRI include heat syncope (fainting), edema (swelling), cramps, exhaustion, and stroke.

**Rates of HRI Emergency Department Visits and Hospitalizations by Age Group, 2014-2018**

![Graph showing rates of HRI emergency department visits and hospitalizations by age group from 2014 to 2018.](Image)

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2014-2018

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Increasing Temperatures in Connecticut

- Tropical Nights: days with minimum nighttime temp > 68°F.
- 1950: 10 days/year
- 2100: 70 days/year (projected)

**Observed and Projected Annual Number of Tropical Nights, 1950-2100**

![Graph showing observed and projected annual number of tropical nights from 1950 to 2100.](Image)

Infectious Diseases
Rate of Newly Diagnosed HIV, by Race, Sex, and Age, Connecticut, 2013-2017


Number of People on Pre-Exposure Prophylaxis (PrEP) and at Risk Population, Connecticut, 2012-2017

Emory University’s Rollins School of Public Health, AIDSvu Pre-Exposure Prophylaxis (PrEP) data, 2012-2017
Number of Male Syphilis Cases per Year, by Sex of Sex Partner, Connecticut, 2013-2017

CT Department of Public Health, Sexually Transmitted Diseases Control Program, 2013–2017

Vaccine Coverage Among Children 13 to 17 Years Old, Connecticut, 2015-2018

Centers for Disease Control and Prevention, National Immunization Survey (NIS), Teen, 2015 - 2018
Incidence Rate of Lyme Disease per 100,000 Population, by County, Connecticut, 2013-2017

Cases of Legionellosis per 100,000 by Age Group
Connecticut, 2014-2018
Behavioral Health, Trauma, and Injury
Percent of High School Students who Experienced Sexual Violence Within a Dating Relationship in the Last Year By Sex, Race/Ethnicity and Grade, US and Connecticut, 2017

CT Department of Public Health, CT School Health Survey (Youth Risk Behavior Survey), 2017

Rate of Firearm-Related Deaths per 100,000 Population, by Race/Ethnicity, Connecticut, 2008-2016

Death Certificate data from CT State Office of Vital Records and provided by the CT DPH Health Statistics and Surveillance Section, 2008-2016
Rate of Non-Fatal Motor Vehicle Traffic-Related Emergency Department Visits and Hospitalizations per 100,000 Population, by Age Group, Connecticut, 2008-2017

2008
- 0 to 14: 2,430
- 15 to 29: 1,531
- 30 to 44: 981
- 45 to 59: 593
- 60 to 74: 503
- 75+: 499

2017
- 0 to 14: 2,423
- 15 to 29: 1,568
- 30 to 44: 994
- 45 to 59: 620
- 60 to 74: 478
- 75+: 462

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2008-2017. The vertical line is the break line where the diagnosis codes were converted from ICD9 to ICD10 (as of October 1, 2015).

Age-Adjusted Suicide Rate per 100,000 Population, by Sex and Age, Connecticut, 2018

- 0-17: Male 1.4, Female 1.1
- 18-24: Male 13.7, Female 4.3
- 25-44: Male 16.7, Female 6.9
- 45-64: Male 26.2, Female 10.4
- 65+: Male 22.9, Female 5.9

CT Department of Public Health, Connecticut Violent Death Reporting System, 2018
Chronic Diseases and Risk Factors
Age-Adjusted Mortality Rate with Cardiovascular Disease as a Primary Diagnosis, Overall and by Race/Ethnicity, Connecticut, 2003-2018

CT Department of Public Health, Rolling 5-year Age-Adjusted Mortality Rates, 2008-2016, provisional 2017 and 2018

Proportion of cancer cases due to preventable causes, Connecticut, 2016

>8,500 preventable cancers in CT in 2016
4,273 in men
4,250 in women

Lung and Bronchus Cancer Age-Adjusted Mortality Rates (AAMR) by Year of Death, Connecticut, 1992-2016

Age-Adjusted Emergency Department Asthma Rate per 10,000 Population, by Gender and Race/Ethnicity, Connecticut, 2018

National Cancer Institute, SEER*Stat Database, 1992-2016

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2018
Data Sources

Population and Socioeconomic Statistics
CT Department Public Health, Health Statistics and Surveillance Section, 2005-2017
US Census Bureau, ACS Estimates, 2017
US Census Bureau, American Community Survey 5-year estimates, 2013-2017

Maternal, Infant, and Child Health
CT Department of Public Health, Pregnancy Risk Assessment Monitoring System, 2016
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US Health Resources and Services Administration, National Survey of Children's Health, 2016-2017

Health Systems
CT Department of Public Health, Local Health Annual Survey, 2018
CT Department of Public Health, Behavioral Risk Factor Surveillance System Survey, 2018; www.ct.gov/dph/brfss
Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2013-2017
US Health Resources and Services Administration, National Survey of Children's Health, 2016

Drinking Water
CT Department of Public Health, Private Well Program, 2013-2018
Environmental Protection Agency (EPA), 2017-2019

Environmental Health
CT Department of Public Health, CT Environmental Public Health Tracking Portal (Healthy Homes Surveillance System), 2011-2017
CT Department of Public Health, Lead Surveillance System, 2012-2017

Climate and Health
Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2014-2018
**Infectious Diseases**


Emory University’s Rollins School of Public Health, AIDSVu Pre-exposure Prophylaxis (PrEP) data, 2012-2017

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CT Department of Public Health, CT Electronic Disease Surveillance System, 2009-2018

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Office of Chief Medical Examiner, Connecticut, 2013-2018

**Chronic Diseases and Risk Factors**

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National Cancer Institute, SEER*Stat Database, 1992-2016

Connecticut Inpatient Hospitalization and Emergency Department Visit Dataset, 2018

CT Department of Public Health, CT Youth Tobacco Survey, 2000-2017