



## 2019 County Health Rankings

### Data for Middlesex, Norfolk & Worcester Counties of Massachusetts

The following information is sourced from US News & World Report County Health Rankings - 2019. Data Explorer is U.S. News' hub for thousands of county-level data points across 10 categories: community vitality, equity, economy, education, environment, food and nutrition, population health, housing, public safety and infrastructure. The Data Explorer can be accessed at <https://www.usnews.com/news/healthiest-communities/data-explorer>

|   | Middlesex County,<br>MA       | Norfolk County,<br>MA         | Worcester County,<br>MA       |
|---|-------------------------------|-------------------------------|-------------------------------|
| <b>Overall Rank</b>                                   | <b>#83</b>                    | <b>#53</b>                    | <b>Not Ranked</b>             |
| <b>Overall Score</b>                                  | <b>75.4</b>                   | <b>78</b>                     | <b>61.1</b>                   |
| <b>Peer Group</b>                                     | <b>Urban, High-Performing</b> | <b>Urban, High-Performing</b> | <b>Urban, High-Performing</b> |
| <b>POPULATION HEALTH</b>                              |                               |                               |                               |
| Population Health Score                               | 81.2                          | 79.3                          | 67.7                          |
| Access to Care Score                                  | 76.7                          | 76.3                          | 67.4                          |
| Hospital Bed Availability                             | 2.94/1k                       | 2.54/1k                       | 2.1/1k                        |
| Population With No Health Insurance                   | 2.7%                          | 2.1%                          | 2.8%                          |
| Primary Care Doctor Availability                      | 127/100k                      | 126.22/100k                   | 100.05/100k                   |
| Health Behaviors Score                                | 81.7                          | 80.2                          | 70.9                          |
| Adults With No Leisure-Time Physical Activity         | 18%                           | 18%                           | 20%                           |
| Medicare Beneficiaries With Recent Primary Care Visit | 75.83%                        | 75.71%                        | 78.65%                        |
| Smoking Rate  | 11.26%                        | 11.74%                        | 15.86%                        |
| Health Conditions Score                               | 57.3                          | 52.6                          | 51.7                          |

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| Cancer Prevalence                                     | 447.7/100k                    | 474.6/100k                    | 466.3/100k                    |
| Heart Disease Prevalence Among Medicare Beneficiaries | 24%                           | 24%                           | 25%                           |
| Preventable Hospital Admissions                       | 4,400/1k                      | 4,685/1k                      | 4,838/1k                      |
| Health Outcomes Score                                 | 85.2                          | 86.4                          | 73.8                          |
| Adults in Poor or Fair General Health                 | 11%                           | 10%                           | 14%                           |
| Babies Born With Low Birth Weight                     | 7.23%                         | 7.2%                          | 7.55%                         |
| Life Expectancy                                       | 81.63 yrs                     | 81.38 yrs                     | 79.66 yrs                     |
| Teen Birth Rate                                       | 5.443/1k                      | 3.516/1k                      | 12.198/1k                     |
| Mental Health Score                                   | 54                            | 53.4                          | 45.7                          |
| Deaths of Despair                                     | 27.22/100k                    | 29.63/100k                    | 33.48/100k                    |
| Medicare Beneficiaries With Depression                | 22%                           | 21%                           | 22%                           |
| Poor Mental Health Days per Month                     | 3.48                          | 3.66                          | 3.87                          |
| <b>EQUITY</b>   |                               |                               |                               |
| Equity Score  | 36.2                          | 47.2                          | 48.9                          |
| Educational Equity Score                              | 20.7                          | 24.8                          | 34.9                          |
| Neighborhood Disparity in Educational Attainment      | 22.89                         | 21.02                         | 17.46                         |
| Racial Disparity in Educational Attainment            | 0.27                          | 0.27                          | 0.25                          |
| Health Equity Score                                   | 53.9                          | 78.2                          | 77.4                          |
| Air Toxics Exposure Disparity Index Score             | 8.17                          | 2.01                          | 3.13                          |

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| Premature Death Disparity Index Score                          | 0.02                          | 0.03                          | 0.02                          |
| Income Equity Score  | 43.7                          | 52.7                          | 41.2                          |
| Gini Index Score   | 0.47                          | 0.48                          | 0.45                          |
| Neighborhood Disparity in Poverty                              | 7.67                          | 5.54                          | 11.3                          |
| Racial Disparity in Poverty                                    | 0.24                          | 0.16                          | 0.24                          |
| Social Equity Score  | 73.2                          | 67.1                          | 73.6                          |
| Disability Employment Gap                                      | 0.69                          | 0.73                          | 0.59                          |
| Segregation Index Score  | 0.26                          | 0.29                          | 0.34                          |
| <b>EDUCATION</b>   |                               |                               |                               |
| Education Score  | 77.8                          | 80.6                          | 61                            |
| Education Infrastructure Score                                 | 61.5                          | 57                            | 55.2                          |
| Access to Child Care Facilities                                | 1.39/100k                     | 1.15/100k                     | 1.71/100k                     |
| Per-Pupil Expenditures   | \$19,718                      | \$17,764                      | \$16,953                      |
| Youth Within 5 Miles of a Public School                        | 100%                          | 100%                          | 99.23%                        |
| Education Participation Score                                  | 77.2                          | 80.6                          | 67.8                          |
| Continuing Education Tax Credits as Share of Total Tax Filings | 6%                            | 6%                            | 5%                            |
| Idle Youth (Not Working or Enrolled)                           | 1.41%                         | 1.01%                         | 2%                            |
| Preschool Enrollment   | 66.17%                        | 66.71%                        | 54.91%                        |
| Educational Achievement Score                                  | 75.3                          | 80.5                          | 57.9                          |
| Children Meeting Standards in Grade 4 ELA                      | 56%                           | 63%                           | 47%                           |

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| High School Graduation Rate                   | 90.73%                        | 92.86%                        | 86.56%                        |
| Population With Advanced Degree               | 59.05%                        | 58.79%                        | 43.72%                        |
|   |                               |                               |                               |
| <b>ECONOMY</b>                                |                               |                               |                               |
| Economy Score                                 | 88.3                          | 87                            | 71.1                          |
| Employment Score                              | 90.8                          | 88.3                          | 77.4                          |
| Average Weekly Wage                           | \$1,587                       | \$1,236                       | \$1,045                       |
| Labor Force Participation                     | 69.82%                        | 68.72%                        | 66.96%                        |
| Unemployment Rate                             | 3%                            | 3.3%                          | 3.9%                          |
| Income Score                                  | 87.4                          | 89.1                          | 70.6                          |
| Households Receiving Public Assistance Income | 2%                            | 2%                            | 3%                            |
| Median Household Income                       | \$89,019                      | \$90,226                      | \$67,005                      |
| Poverty Rate                                  | 8.25%                         | 6.74%                         | 11.42%                        |
| Opportunity Score                             | 76.2                          | 73.5                          | 63.2                          |
| Business Growth Rate                          | 9%                            | 9%                            | 8%                            |
| Job Diversity Index Score                     | 0.83                          | 0.8                           | 0.89                          |
| Jobs Within a 45-Minute Commute               | 147761                        | 136918                        | 45718                         |
| <b>HOUSING</b>                                |                               |                               |                               |
| Housing Score                                 | 59.9                          | 60.6                          | 46.8                          |
| Housing Affordability Score                   | 37.9                          | 35.3                          | 25                            |

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| Change in Housing Value                           | 8%                            | 5%                            | -5%                           |
| Households Spending Over 30% of Income on Housing | 33.49%                        | 33.71%                        | 33.71%                        |
| Work Hours Needed to Pay for Affordable Housing   | N/A                           | N/A                           | N/A                           |
| Housing Capacity Score                            | 60                            | 63.2                          | 57.2                          |
| Affordable Housing Shortfall                      | -50.7                         | -49.66                        | -54.6                         |
| Overcrowded Households                            | 1.8%                          | 1.43%                         | 1.91%                         |
| Housing Quality Score                             | 89.5                          | 91                            | 75.1                          |
| Households With Incomplete Plumbing Facilities    | 0%                            | 0%                            | 0%                            |
| VACANT HOUSES                                     | 0.91%                         | 0.81%                         | 3.77%                         |
| <b>FOOD &amp; NUTRITION</b>                       |                               |                               |                               |
| Food & Nutrition Score                            | 63.3                          | 61.4                          | 56.7                          |
| Food Availability Score                           | 37.2                          | 32.1                          | 37.6                          |
| Food Environment Index Score                      | 6.88                          | 7.82                          | 7.45                          |
| Local Food Outlets                                | 4.784/100k                    | 3.906/100k                    | 8.604/100k                    |
| Population Without Access to Large Grocery Store  | 25.42%                        | 35.34%                        | 33.92%                        |
| Nutrition Score                                   | 81.2                          | 82.6                          | 71.6                          |
| Diabetes Prevalence                               | 8%                            | 7%                            | 8%                            |
| Obesity Prevalence                                | 22.1%                         | 21.6%                         | 26.2%                         |

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| Share of At-Home Food Expenditures on Fruit/Veg | 13.35%                        | 13.38%                        | 13.12%                        |
| <b>ENVIRONMENT</b>                              |                               |                               |                               |
| Environment Score                               | 57.7                          | 62                            | 65.8                          |
| Air and Water Score                             | 46.8                          | 58.7                          | 60.9                          |
| Air-Quality Hazard                              | 0.71                          | 0.44                          | 0.32                          |
| Airborne Cancer Risk                            | 35.72                         | 32.71                         | 30.86                         |
| Unsafe Drinking Water Exposure                  | 8.81%                         | 12.86%                        | 20.14%                        |
| Natural Environment Score                       | 52.3                          | 50.6                          | 49.9                          |
| Area With Tree Canopy                           | 35%                           | 42%                           | 48%                           |
| Natural Amenities Index Score                   | -1.12                         | -0.64                         | 0.24                          |
| Population Within 0.5 Mile of a Park            | 68.3%                         | 53.99%                        | 38.61%                        |
| Natural Hazards Score                           | 70.8                          | 70                            | 77.4                          |
| Extreme Heat Days per Year                      | 9.67                          | 11.33                         | 10.33                         |
| Households in Flood Hazard Zone                 | 2.75%                         | 5.2%                          | 1.83%                         |
| TOXIC RELEASE INDEX SCORE                       | 318049.85                     | 29634.27                      | 57552.75                      |
| <b>PUBLIC SAFETY</b>                            |                               |                               |                               |
| Public Safety Score                             | 83                            | 81.3                          | 68.2                          |
| Crime Score                                     | 71.1                          | 74                            | 51.7                          |
| Property Crime Rate                             | 1,565.1/100k                  | 1,356/100k                    | 2,011.35/100k                 |
| Violent Crime Rate                              | 206.55/100k                   | 193.1/100k                    | 435.26/100k                   |

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| Injuries Score                                    | 95.7                          | 93.8                          | 95.9                          |
| Homicide Rate                                     | 2.343/100k                    | 2.612/100k                    | 1.906/100k                    |
| Vehicle Crash Fatality Rate                       | 5.005/100k                    | 5.465/100k                    | 5.911/100k                    |
| Public Safety Capacity Score                      | 55.2                          | 50.2                          | 42.2                          |
| First Responders in Population                    | 1%                            | 1%                            | 1%                            |
| Per Capita Spending on Police and Fire Protection | \$361.086                     | \$370.855                     | \$278.125                     |
| Population Living Close to Emergency Facilities   | 62.82%                        | 49.81%                        | 39.01%                        |
| <b>COMMUNITY VITALITY</b>                         |                               |                               |                               |
| Community Vitality Score                          | 50.3                          | 56.7                          | 46.1                          |
| Community Stability Score                         | 36.6                          | 47.5                          | 40.9                          |
| Homeownership Rate                                | 62%                           | 69%                           | 65%                           |
| Net Migration Rate                                | -2.66%                        | -0.31%                        | -1.62%                        |
| Social Capital Score                              | 59.2                          | 59.9                          | 46.2                          |
| Nonprofits  | 53.171/100k                   | 51.591/100k                   | 38.069/100k                   |
| Voter Participation Rate                          | 70.56%                        | 71.89%                        | 64.58%                        |
| <b>INFRASTRUCTURE</b>                             |                               |                               |                               |
| Infrastructure Score                              | 71                            | 63.9                          | 62.1                          |
| Community Layout Score                            | 99.7                          | 97.5                          | 78.8                          |
| Households With Internet Access                   | 99%                           | 98%                           | 99%                           |

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| Population Within 0.5 Mile of Walkable Destinations | 53.5%                         | 35.26%                        | 25.74%                        |
| Walkability Index Score                             | 12.71                         | 11.82                         | 8.45                          |
| Transportation Score                                | 35.1                          | 26.7                          | 39.7                          |
| Households With No Vehicle                          | 11%                           | 9%                            | 9%                            |
| Workers Commuting 60 Minutes or More                | 11.34%                        | 16.58%                        | 11.84                         |