

Equity Project Summary

This report identifies groups experiencing various functional and access needs who may be at higher risk of threats and hazards, as well as specific circumstances that might impact an individual's ability to respond quickly and appropriately before, during, and after an emergency. The data are not exhaustive, are points in time, fluctuate, and have margins of error. The aim of this report is to begin identifying trends, vulnerabilities, and strategies that are likely to increase equity in access and outcomes among all individuals for emergency response information and resources as well as to provide data that can be used by each Western Mass community to plan for emergencies. Full reports available at [Equity in Emergency Management | WRHSAC](#)

Hampden County Specific Equity Concerns

Hampden County is unique among the four Western MA counties due to its relatively large urban core population in an otherwise mostly rural area, with the potential for the more populated urban areas to strain resources in a significant emergency. Major areas and groups of concern include children in poverty, high injury and premature death rates, violent crime rates, lack of education, language barriers, transportation issues, diverse populations (religious, racial, gender, age), substance use disorder rates, mental health conditions, disabilities, electricity dependent (medical equipment), and chronic diseases especially relating to obesity. Note that very small towns will have much larger margins of error in the data. [Census Bureau Data](#)

Western Mass Hazard Vulnerability Assessments

In the past, the Massachusetts Emergency Management Agency, the Western Region Homeland Security Advisory Council, the Public Health Emergency Preparedness Coalitions, and the Health and Medical Coordinating Coalition have conducted Hazard Vulnerability and Threat and Hazard Identification Risk Assessments to identify the most likely threats and how likely they are to occur. The State 2013 & 2018 State Hazard Mitigation Plans also list threats and vulnerabilities to consider. [ocn921510011.pdf](#). ([Massachusetts Integrated State Hazard Mitigation and Climate Adaptation Plan | Mass.gov](#)).

Hampden County Specific Hazards, Threats, Concerns, and Vulnerabilities

Hampden County's 23 municipalities are very diverse, ranging in size from less than 500 to over 150,000 residents. Median Household income also ranges from about \$35,000 to over \$100,000. With these disparities in population size and income, it is challenging for Hampden communities to work as a county together on common vulnerabilities and threats. Communities regardless of size are threatened by severe weather, flooding, extreme heat, loss of power, and other severe weather-related events. They are all vulnerable to pandemics and other disease outbreaks and hazardous spills.

Hampden County Specific Hazards, Threats, Concerns, and Vulnerabilities

- **Large population of non-English speaking individuals** with at least 50 different languages spoken within the county.
- **Many living in poverty** or otherwise with limited resources, especially those with medical, health, mobility, or cognitive difficulties.
- **Health status:** Least healthy county in Massachusetts according to the Robert Wood Johnson/University of Wisconsin County Health Rankings with high rates of premature death, HIV prevalence, adult smoking, STI rates, drug overdose deaths, and children living in poverty.
- **Sheer numbers** of individuals who have characteristics that indicate they will likely require additional assistance in emergencies, including lack of private vehicles, dependent of electrical medical devices, single parent households, health and mobility issues, and structural and cultural bias and stigma based on race, gender, ethnicity, religion, or legal or socioeconomic status.

Ludlow: Selected Population Characteristics Contributing to Inequities in Emergencies

Summary: Ludlow is a large town in Hampden County with a higher population density. The population has a slightly higher Median Household Income than the rest of the county. About 170 people depend on electricity for their medical equipment, more than 2,000 people live with one or more disabilities, 1,200 residents and 14% of seniors and 8.6% of children live in poverty, and 14.8% of the population identify as other than White alone. Ludlow is an Environmental Justice Area based on income disparities, minorities, and languages. The old, the young, non-English speakers, and those living in poverty, alone or with disabilities are at greater risk in emergencies and will likely need additional assistance.

| | Total Population | | | Land Area | | Children 9 and Under | | People 60 – 69 Years Old | | People 70+ Years Old | | Medicare Electrically Dependent | |
|---------------|------------------|------------|-------------------------|-----------|---------------------|----------------------|-----------------|--------------------------|-----------------|----------------------|-----------------|---------------------------------|--------------------------|
| | Number of People | Median Age | Median Household Income | Sq. Miles | People Per Sq. Mile | Number of People | % of Population | Number of People. | % of Population | Number of People | % of Population | # of Medicare Beneficiaries | # Electrically Dependent |
| Ludlow | 20,883 | 44.6 | \$76,365 | 27.2 | 767.9 | 1,696 | 8.1 | 3,125 | 15.0 | 2,978 | 14.3 | 5,462 | 172 |
| Hampden Co.. | 461,041 | 39.5 | \$63,866 | 617 | 747.2 | 48,589 | 10.5 | 60,779 | 13.2 | 56,685 | 12.3 | 105,740 | 4,381 |
| Massachusetts | 6,981,974 | 40.3 | \$94,488 | 7,800.9 | 895.0 | 702,092 | 10.1 | 885,484 | 12.7 | 853,387 | 12.2 | 1,423,062 | 40,208 |

N/A – Not Available or Unknown

Source: US Census [Hampden County, MA - Profile data - Census Reporter](#) [Ludlow Town, MA - Profile data - Census Reporter](#)

Source: Electrically Dependent [HHS emPOWER Map](#)

Source: WMHMCC 2019/2020, [Western MA HMCC Hampden County Vulnerable Population Data \(region1hmcc.org\)](#) ; [Emergency Preparedness Planning Tool \(region1hmcc.org\)](#)

| | No Vehicle | | Below Poverty Level | | Less than 9th-Grade Education | | Over 65 who live alone | | No English Spoken | | One Disability | | Two Disabilities | |
|-------------|------------------|-----------------|---------------------|-----------------|-------------------------------|-----------------|------------------------|------------------------|-------------------|-----------------|------------------|-----------------|------------------|-----------------|
| | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population | Number of People | % of Senior Population | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population |
| Ludlow | 207 | 1.0 | 1,222 | 5.9 | 1,777 | 8.5 | 984 | 22.0 | 257 | 1.2 | 1,656 | 7.9 | 1,390 | 6.7 |
| Hampden Co. | 8,287 | 1.8 | 17,850 | 3.9 | 74,362 | 16.1 | 23,572 | 28.0 | 7,557 | 1.6 | 36,583 | 7.9 | 36,478 | 7.9 |

| | Vision Difficulty | | Self-Care Difficulty | | Independent Living Difficulty | | Cognitive Difficulty | | Hearing Difficulty | | Ambulatory Difficulty | |
|-------------|-------------------|-----------------|----------------------|-----------------|-------------------------------|-----------------|----------------------|-----------------|--------------------|-----------------|-----------------------|-----------------|
| | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population | Number of People | % of Population |
| Ludlow | 448 | 2.1 | 633 | 3.0 | 1,326 | 6.3 | 1,014 | 4.9 | 922 | 4.4 | 1,484 | 7.1 |
| Hampden Co. | 11,973 | 2.6 | 17,602 | 3.8 | 29,341 | 6.4 | 30,982 | 6.7 | 16,038 | 3.5 | 37,340 | 8.1 |

Environmental Justice Areas [Source2020: Environmental Justice Populations in Massachusetts | Mass.gov](#) **Risk Factors** [Hampden County, MA - Profile data - Census Reporter](#)

| Geographic Area | Environmental Justice Area | % Minority Population Other than White Alone | Median Household Income as % of MA Inc. | % Children under 18 Living in Poverty | % Seniors 65+ Living in Poverty |
|-----------------|----------------------------|--|---|---------------------------------------|---------------------------------|
| Ludlow | Yes | 14.8% | 80.9% | 8.6% | 14.4% |
| Hampden Co. | 9/23 towns | 41.1% | 67.6% | 23.3% | 13.8% |