



The Research Bureau

WORCESTER ALMANAC: 2023

REPORT 23-11

October 2023





NOTE FROM THE RESEARCH BUREAU

THE WORCESTER REGIONAL RESEARCH BUREAU IS PLEASED TO PRESENT THE NINTH ANNUAL WORCESTER ALMANAC—our compendium of information of all things Greater Worcester. A local, not-for-profit organization, The Research Bureau’s mission is to serve the public interest of Greater Worcester by conducting independent, non-partisan research and analysis of public policy issues to promote informed public debate and decision-making. We undertake the Worcester Almanac each year to provide government officials, residents, businesses, and institutions an easy-to-use source for current and trend data on a range of civic concerns.

We would like to thank all those who provide data for this project. If there is any fact or figure about Greater Worcester that you would like to see included in the Worcester Almanac, please contact us at wrrb@wrrb.org. To learn more about our activities or to read our reports, you can visit our website at www.wrrb.org, follow us on X (@WRRBureau), like us on Facebook (The Research Bureau), or connect on LinkedIn (Worcester Regional Research Bureau). If you believe in the importance of informed local governance and would like to sponsor our efforts, please consider a contribution.

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Worcester Railers
Worcester Red Sox
Worcester Restaurant Group
Worcester State University

UNIBANK - Better Together, Locally

Our community was built on individual's hard work, perseverance, endurance, vision, ingenuity – all wrapped around the ideals of “boot strapping” our own destinies, taking care of our families while at the same time – centrally focused on the well-being of our community. Not one or the other, but both ideals must exist in harmony. Our personal benefit should never be at the expense of our communal aspirations. When those ideals co-exist and feed off one another – then our community flourishes as do we.



We do this by locals coming together. The F.A.N.G.s (Facebook, Amazon, Netflix, Google) may play a role in the operation of the world – their focus is NOT Worcester County. Those local leaders who came before us – dug the canals from Worcester to Providence. It is us today, taking out our “modern shovels,” with our sweat equity to rebuild our community into a model (once again) for our country.

Our work today, at UniBank, is to assist in the continuation of a community that mutually helps, encourages, and edifies one another - who works together, and does business together. When locals team up – that is when the magic happens, and it is how we ensure the trajectory that our community has experienced.

We are grateful to the many people and businesses who have given us the privilege of teaming up with them. For those, who are looking for new opportunities, please know we would be honored to partner with you. As are you, we are headquartered here and “we live here too.”

Together we can! Together we will!



Michael Welch
Direct: 508-849-4450





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THE CITY OF WORCESTER OPERATES UNDER A COUNCIL-MANAGER FORM OF GOVERNMENT with a popularly elected Mayor, known as a modified Plan E form of government. The Worcester Public Schools (WPS) system is a quasi-independent department of the City.

The City Council is the City’s legislative body while the City Manager serves as chief executive officer. The City Council is made up of 11 members serving 2-year terms—six elected citywide (or at-large) and five elected from districts. The Mayor is the candidate who receives the most votes in the mayoral election and wins an at-large City Council seat. All at-large candidates are automatically entered into the mayoral race, and have the option of withdrawing their name from consideration for Mayor. This year’s deadline for withdrawal was September 12. In addition to his or her role as City Councilor, the Mayor serves as the ceremonial head of the government and chairs both the City Council and School Committee. The City Council hires the City Manager and can remove him or her by majority vote. The City Manager hires all City employees (except the City Clerk, City Auditor, and WPS employees), oversees City operations, and presents the City Council with an annual budget that must be

approved by June 30 of each year. The City Council has the authority to reduce the City Manager’s proposed budget, but not increase it. The approved budget must be balanced.

The Worcester School Committee is the WPS’s legislative body while the Superintendent of Schools serves as chief executive officer. In 2024, the School Committee will consist of nine members, two at-large members and six district committee members with the Mayor serving as its Chair. The School Committee approves the district budget, and has authority to transfer within line item accounts, so long as the overall amount remains within the City’s appropriation. Additionally, the School Committee may hire or remove by majority vote the Superintendent and may establish and appoint the following key positions by recommendation of the Superintendent: Assistant or Associate Superintendent, School Business Administrator, Administrator of Special Education, School Physician, Registered Nurses, and Legal Counsel.

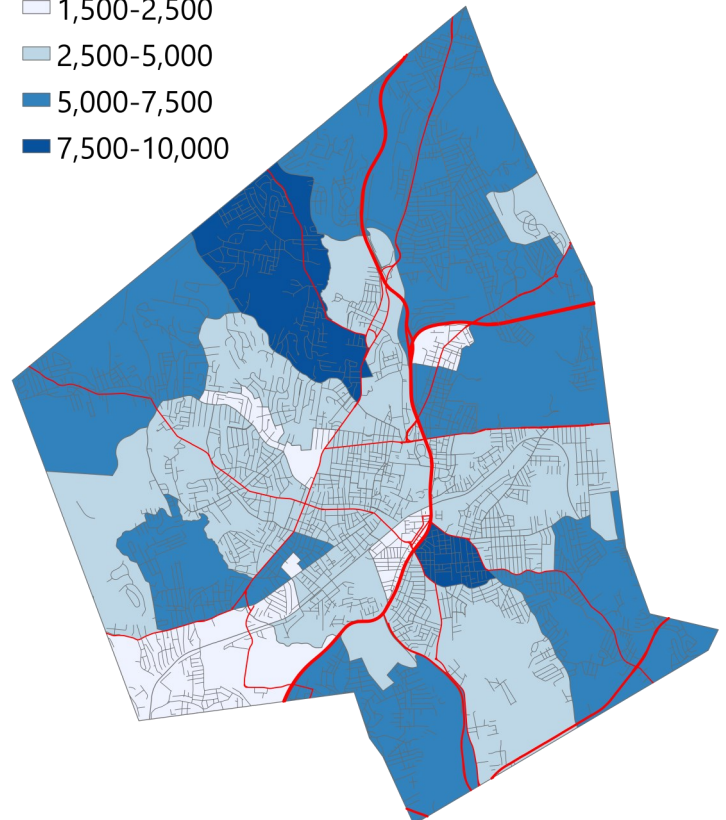
City Council and School Committee elections are held in odd-numbered years.



City of Worcester Seal

WORCESTER: TOTAL POPULATION, 2021

- 1,500-2,500
- 2,500-5,000
- 5,000-7,500
- 7,500-10,000



CITY OF WORCESTER — THE BASICS

City of Worcester Population: 205,917

2nd Largest City in New England

114th Largest City in the United States of America

Area: 37.37 square miles (96.79 square kilometers)

Population Density: 5,510 persons per square mile

Incorporation Date: 1722 as a Town | 1848 as a City

Source: US Census Bureau, 2021 5-Year American Community Survey Estimates.



ELECTED & APPOINTED OFFICIALS, AS OF OCTOBER 25, 2023

Mayor

Joseph M. Petty

City Council

Sean M. Rose, District 1
Candy F. Mero-Carlson, District 2
George J. Russel, District 3
Sarai Rivera, District 4
Etel Haxhiaj, District 5
Morris A. Bergman, At-Large
Donna M. Colorio, At-Large
Khrystian A. King, At-Large
Thu Nguyen, At-Large
Kathleen M. Toomey, At-Large

City Clerk

Nikolin Vangjeli

City Auditor

Robert V. Stearns

City Manager

Eric D. Batista

City Manager's Cabinet

Hung Nguyen, Assistant City Manager
William Bagley, Jr., Director of Human Resources
Matilde Castiel, M.D., Health and Human Services Commissioner
Peter Dunn, Chief Development Officer
Martin W. Dyer, Fire Chief
Jay J. Fink, P.E., Public Works & Parks Commissioner
Charles R. Goodwin, Director of Emergency Communications/Management
Michael P. Hamel, Chief Information Officer
Jason L. Homer, Worcester Public Library Executive Director
Julie A. Lynch, Chief of Public Facilities
Timothy J. McGourthy, Chief Financial Officer
John W. Odell, Chief Sustainability Officer
Stephen S. Rolle, P.E., Transportation & Mobility Commissioner
Paul B. Saucier, Interim Police Chief
Christopher P. Spencer, Inspectional Services Commissioner
Michael E. Traynor, City Solicitor

School Committee

Laura Clancey
Jermaine Johnson
Jermoh Kamara
Susan Mailman
Molly O. McCullough
Tracy O'Connell Novick

Clerk of the School Committee

Vacant

Superintendent of Schools

Dr. Rachel Monárrez

United State Senators

Elizabeth Warren
Ed J. Markey

United State Representative

James P. McGovern

Governor

Maura Healey

Lieutenant Governor

Kimberly Driscoll

Governor's Council

Paul DePalo - 7th District

State Senators

Robyn K. Kennedy - 1st Worcester
Michael O. Moore - 2nd Worcester
Vacant - Worcester and Hampshire

State Representatives

Kimberly Ferguson - 1st Worcester
Paul Frost - 7th Worcester
Hannah Kane - 11th Worcester
Meghan Kilcoyne - 12th Worcester
John J. Mahoney - 13th Worcester
David Muradian, Jr. - 9th Worcester
James J. O'Day - 14th Worcester
Mary S. Keefe - 15th Worcester
Daniel M. Donahue - 16th Worcester
David LeBoeuf - 17th Worcester

District Attorney

Joseph D. Early Jr.

Clerk of Courts

Dennis P. McManus

Register of Deeds

Kathryn A. Toomey

Register of Probate

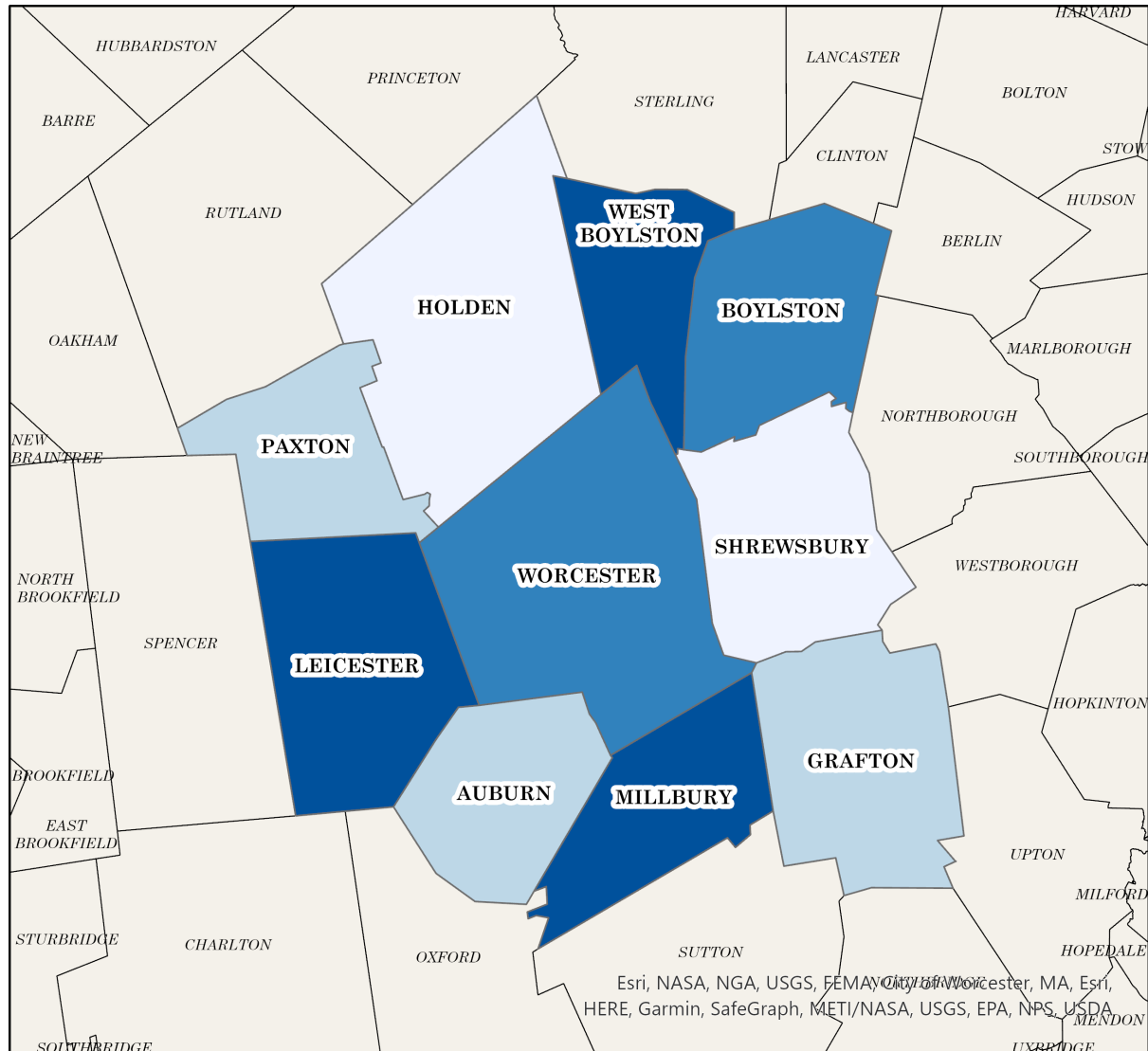
Stephanie K. Fattman

County Sheriff

Lewis G. Evangelidis



GREATER WORCESTER EXECUTIVE/ADMINISTRATIVE LEADERSHIP			
Town	Name	Position	Town Incorporation
Auburn	Edward J. Kazanovicz	Town Manager	1778
Boylston	April Steward	Town Administrator	1786
Grafton	Evan Brassard	Town Administrator	1735
Holden	Peter Lukes	Town Manager	1741
Leicester	David A. Genereux	Town Administrator	1714
Millbury	Karyn E. Clark	Acting Town Manager	1813
Paxton	Heather Munroe	Town Administrator	1765
Shrewsbury	Kevin J. Mizikar	Town Manager	1727
West Boylston	Jennifer Warren-Dymnt	Town Administrator	1808





WORCESTER COUNTY: THE BASICS, 2021

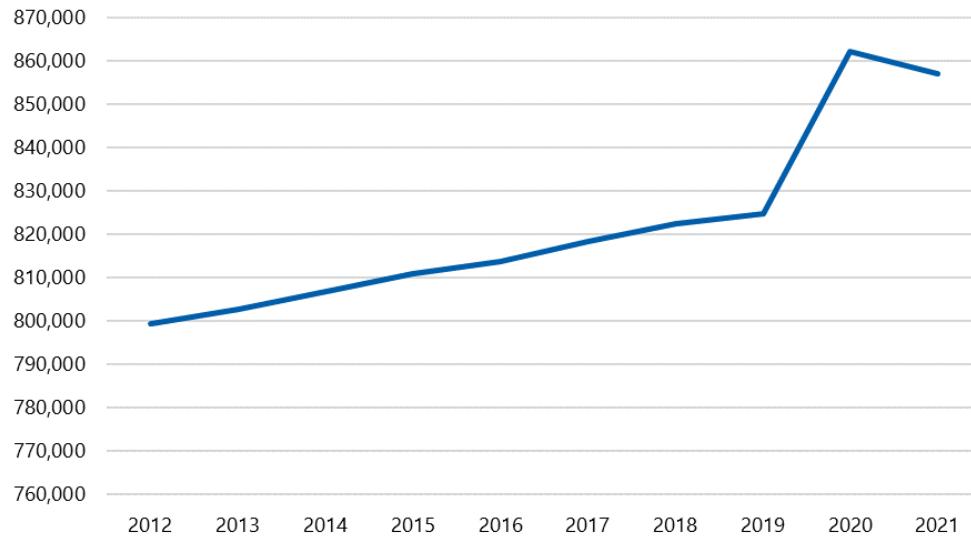
Worcester County Population: 856,858 (2021)

Area: 1,510 sq. miles

Population Density: 571 persons per square mile

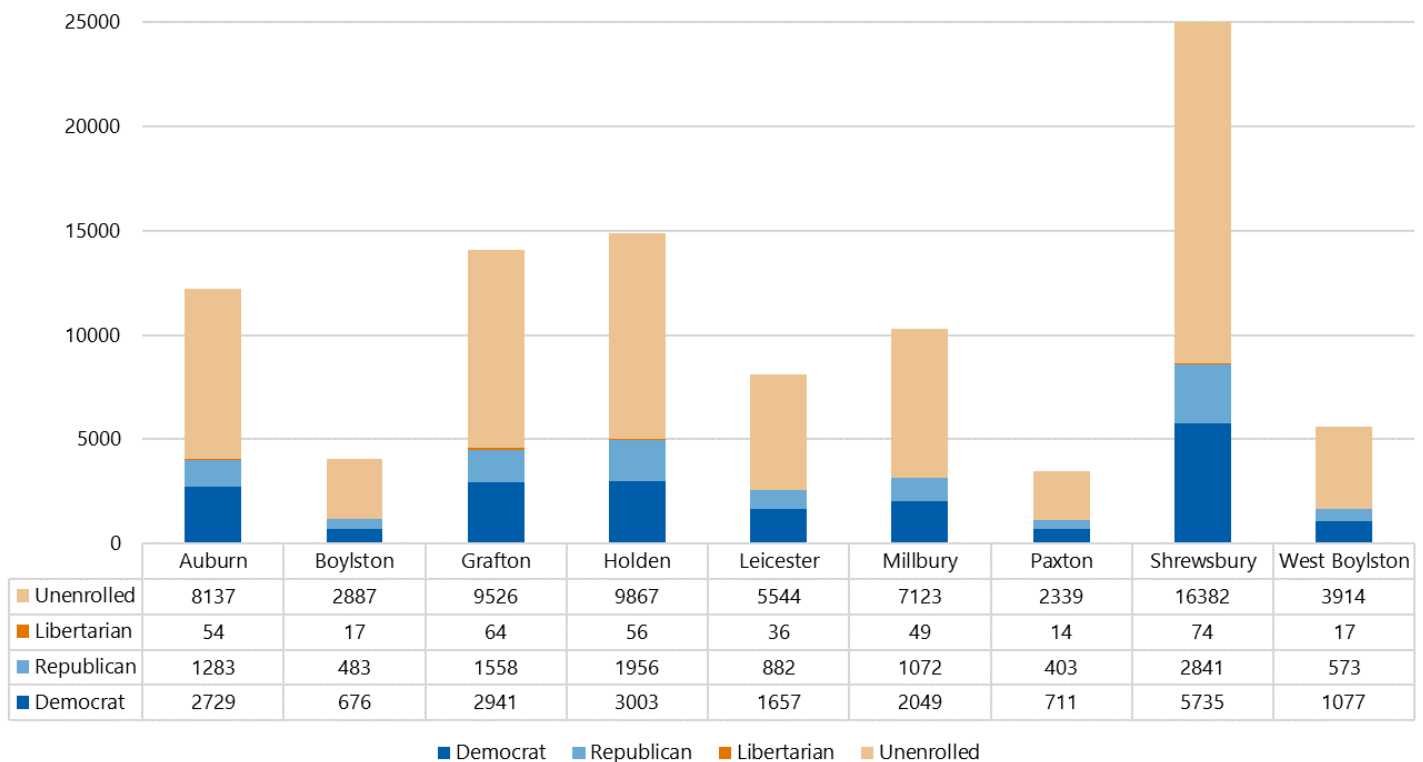
60 cities and towns (including Worcester)

WORCESTER COUNTY: POPULATION 2012-2021



Source: US. Census Bureau, 2021 5-Year American Community Survey Estimates.

GREATER WORCESTER: PARTY AFFILIATION & REGISTRATION 2023



Source: Office of the Secretary of the Commonwealth of Massachusetts, data as of February 2023

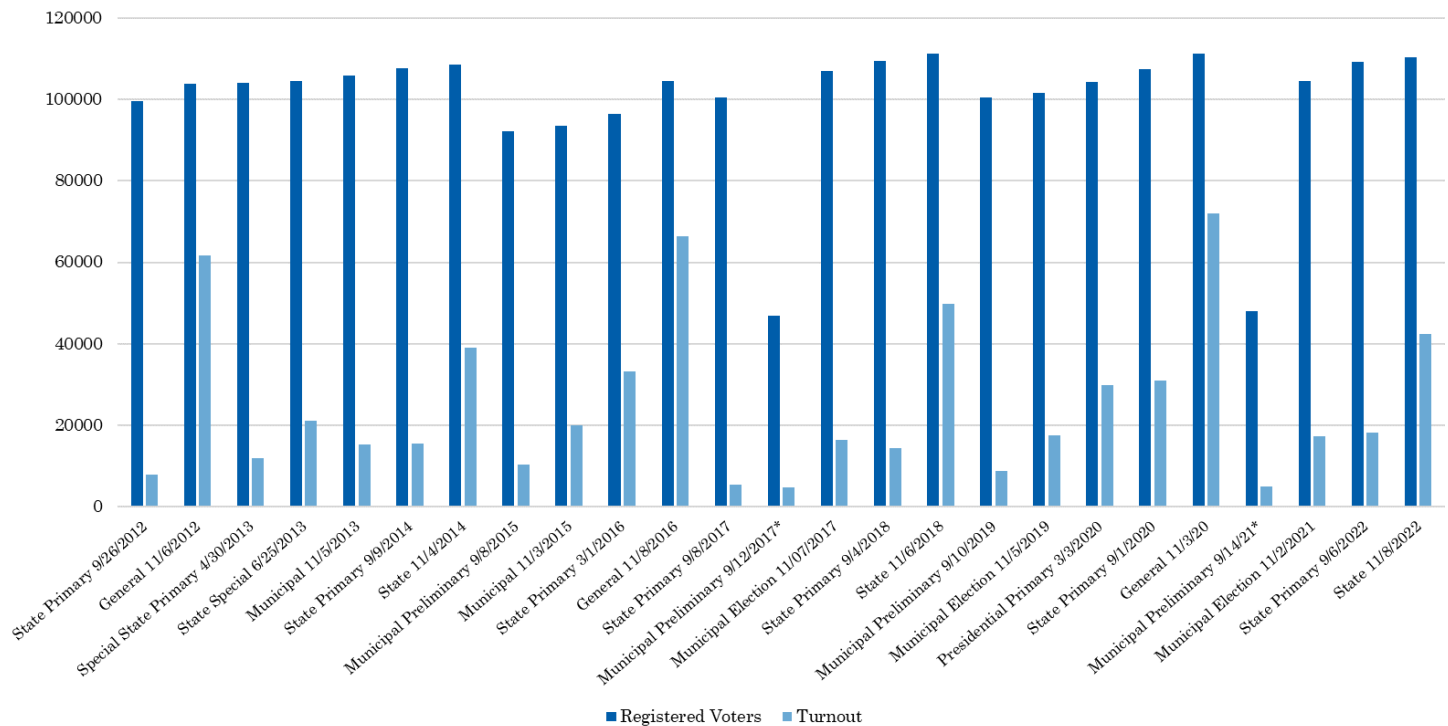


Worcester: Party Affiliation & Registration, as of 8/16/2023			
Party Affiliation	Registered Voters	Party Affiliation	Registered Voters
Unenrolled	68,181	Pirate	19
Democrat	33,711	Green Party USA	12
Republican	6,910	America First Party	11
Libertarian	413	Constitution Party	9
United Independent Party	401	The People's Party	7
Conservative	94	Workers Party	6
Green Rainbow	92	Reform	5
American Independent	66	Twelve Visions Party	4
Inter 3rd Party	62	Rainbow Coalition	3
Socialist	59	Veteran Party America	3
MA Independent Party	53	American Term Limits	1
Latino-Vote Party	34	New Alliance	1
Working Families	30	Prohibition	1
Pizza Party	27	World Citizens' Party	1
We The People	23		

Source: Worcester City Clerk, Worcester Elections Commission

As of August 2023, there were 110,239 registered voters in the City of Worcester. 61.8% of voters were not enrolled in a political party, 30.6% of voters registered as Democrats, and 6.3% of voters registered as Republicans. Since 2010, the number of unenrolled voters has increased by 62.4%, the number of Democratic voters has decreased by 15.5%, and the number of Republicans has decreased by 9.9%.

WORCESTER: REGISTERED VOTERS & BALLOTS CAST, 2012-2022



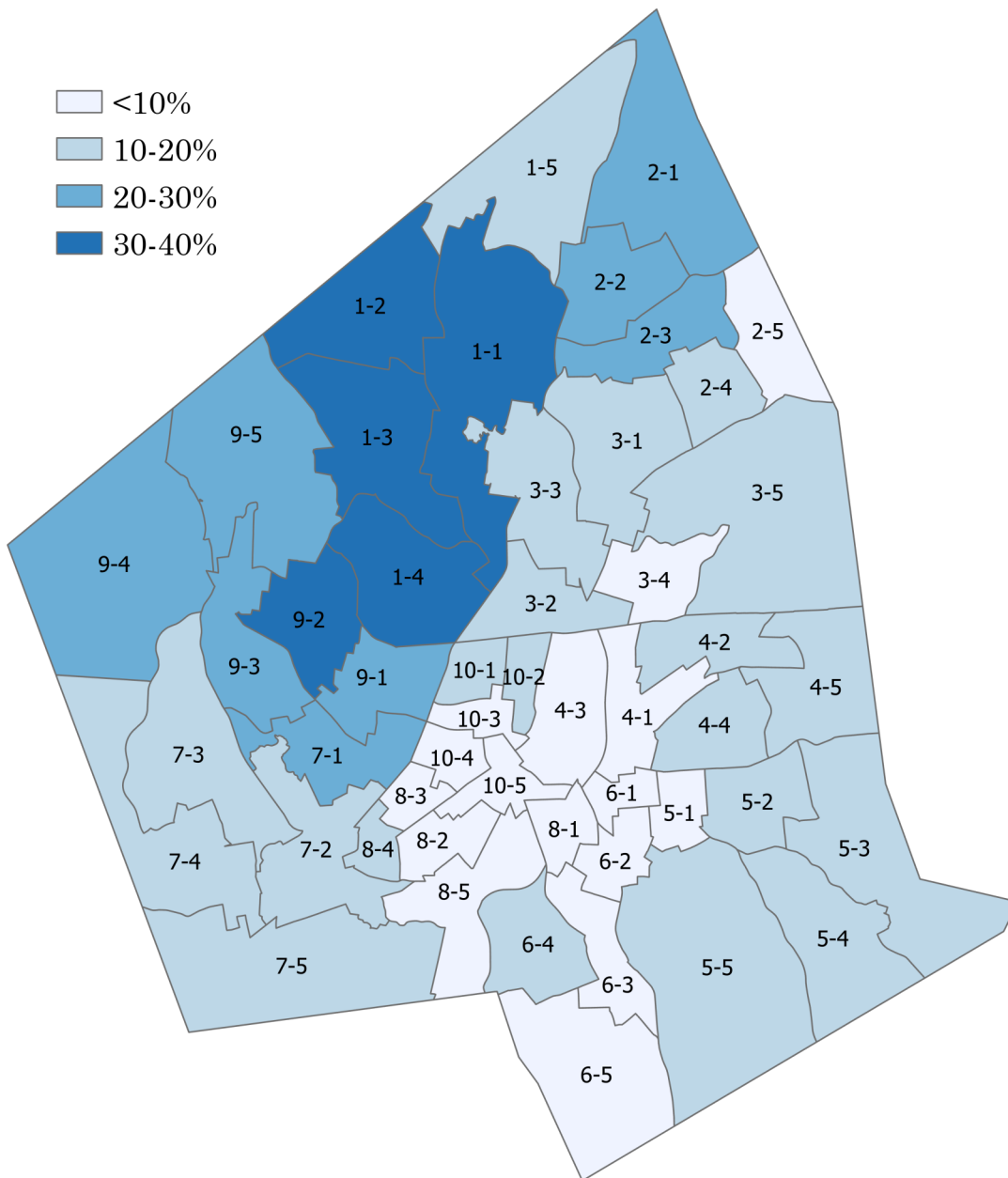
Source: Worcester City Clerk, Worcester Elections Commission



Voter Turnout

Voter turnout in the City of Worcester varies depending on the type of election. Municipal elections, which are held in odd-numbered years, experience the lowest turnout. Only 16.6% of registered voters turned out in November 2021 to vote for the Mayor, City Council, and School Committee. State elections, which occur in even-numbered years, and especially elections including the election for President, experience the highest turnout. 64.6% of Worcester’s electorate voted in the November 2020 general election and 38.5% of registered voters turned out for the 2022 election.

WORCESTER: MUNICIPAL ELECTION VOTER TURNOUT BY PRECINCT, 2021



Source: Worcester City Clerk, Worcester Elections Commission



Tax Classification

The City of Worcester taxes property based on the following classifications: residential, commercial, industrial, and personal. Property that is owned by nonprofit institutions, as determined by Massachusetts General Law 156B, are exempt from paying property taxes as long as the property is fulfilling the non-profit mission of the organization.

Residential property is property used for human habitation and includes accessory land or buildings that are exclusively used by the residents of the property or their guests. **Commercial** property is used for business purposes including but not limited to commercial, retail, trade, service, recreational, agricultural, artistic, sporting, fraternal, governmental, educational, medical or religious purposes. **Industrial** property includes property used for manufacturing, milling, converting, producing, processing, extracting, or fabricating materials to create commercial products or materials. **Personal** property is trade stock, machinery used for business, and all furnishings and effects not kept at an individual’s residence.

Tax Shift

The City of Worcester has a dual tax rate, which assesses residential and commercial/industrial/personal (CIP) property at different rates. Under Massachusetts law, communities are limited in their ability to shift the tax burden among classes to ensure that the burden is not shifted solely onto one side. A single tax rate is represented by a factor of 1.

Worcester: Property Tax Rates, FY23*	
Class	Fiscal Year 2022
Residential	\$14.34
Commercial/Industrial/Personal Property (CIP)	\$31.26

Worcester: Tax Shift, FY23			
Lowest Residential Factor Allowed	Residential Factor Selected	Maximum CIP Shift Allowed	CIP Shift
0.802453	0.80262	1.75	1.74937

Source: Massachusetts Department of Revenue

* Rates are per \$1,000 of value.

Source: City of Worcester.

Worcester: Tax Value of Property, FY22		
Tax Status	Estimated Value	Percent of Total
Total Taxable and Tax-Exempt Property Value	\$24,279,614	100.0%
<i>Taxable Property Values</i>	\$17,934,338	73.9%
<i>Tax-Exempt Property Values</i>	\$6,345,276	26.1%
Class		
Residential	\$13,858,704	57.1%
Commercial/Industrial/Personal Property	\$4,075,634	16.8%

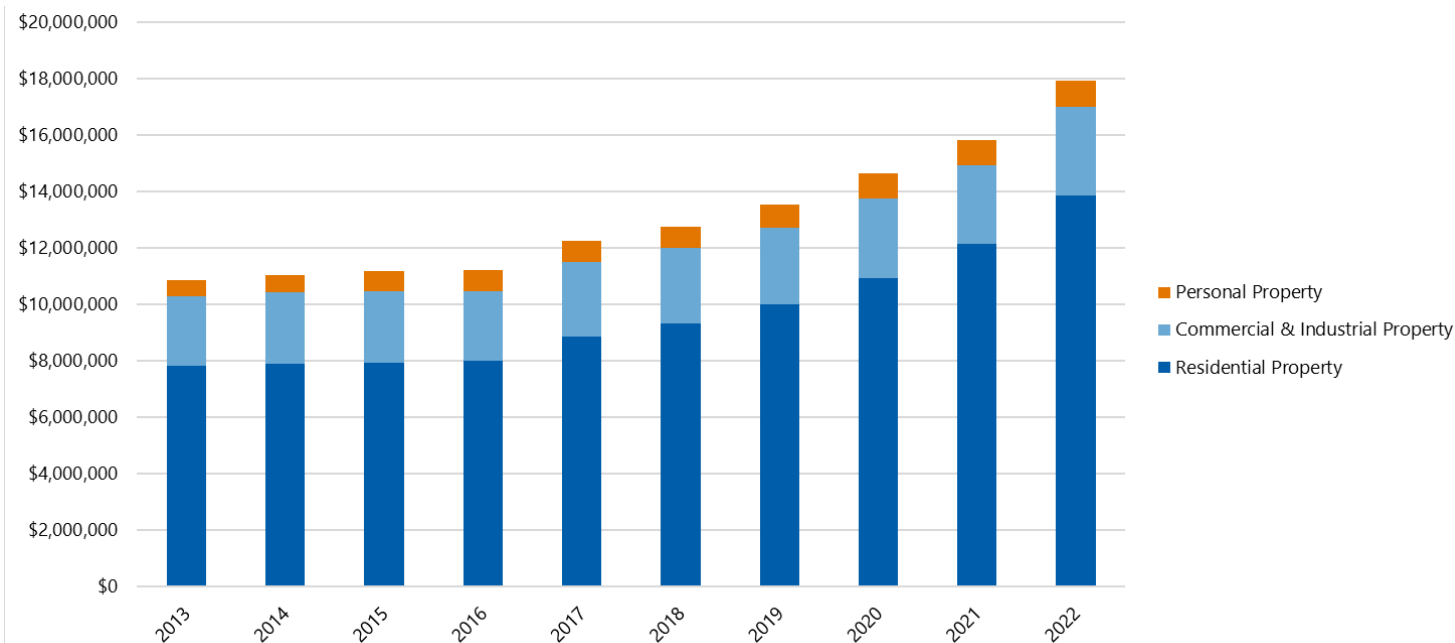
Source: City of Worcester Comprehensive Financial Report, 2022.

Worcester: Principal Taxpayers, FY22				
Taxpayer	Type of Business	Assessed Valuation	Fiscal 2022 Tax Bill	% of Tax Levy
Massachusetts Electric Co.	Electric Utility	\$392,875	\$13,095	3.8%
NSTAR Gas Co.	Gas Utility	\$264,035	\$8,800	2.5%
VHS Acquisition Subsidiary (St Vincent Hospital)	Medical Care	\$153,785	\$5,126	1.5%
Worcester TC LLC (Abbvie)	Biotechnology Park	\$77,308	\$2,577	0.7%
Hanover Insurance Group	Insurance	\$71,635	\$2,388	0.7%
V3B SA LLC (Lincoln Plaza)	Shopping Plaza	\$61,867	\$2,062	0.6%
New England Power Company	Electric Utility	\$59,686	\$1,974	0.6%
Front Street Associates LLC	Real Estate	\$57,735	\$1,924	0.6%
Verizon New England	Communications	\$45,261	\$1,507	0.4%
MC Roseland Worcester LLC	Real Estate	\$82,067	\$1,397	0.4%

Source: City of Worcester Comprehensive Financial Report, 2022.

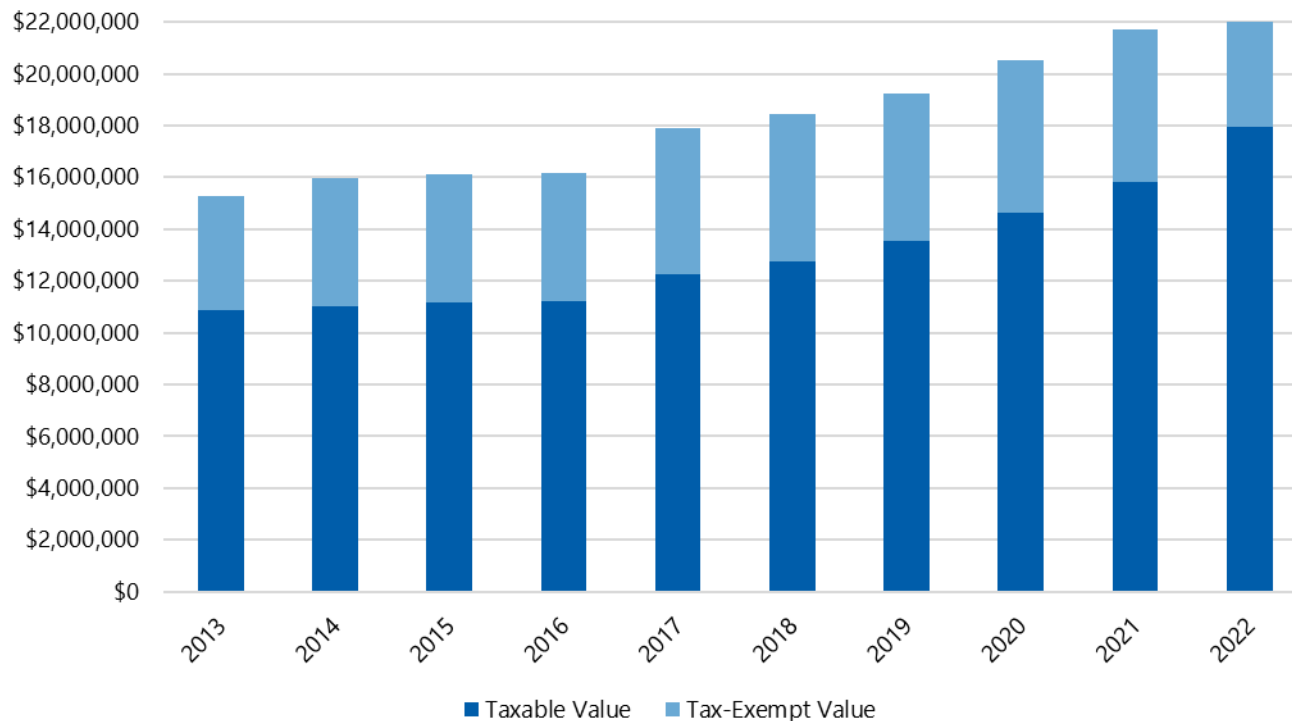


WORCESTER: ASSESSED VALUE OF TAXABLE PROPERTY BY CLASSIFICATION, 2013-2022



Source: City of Worcester Comprehensive Annual Financial Report, 2022

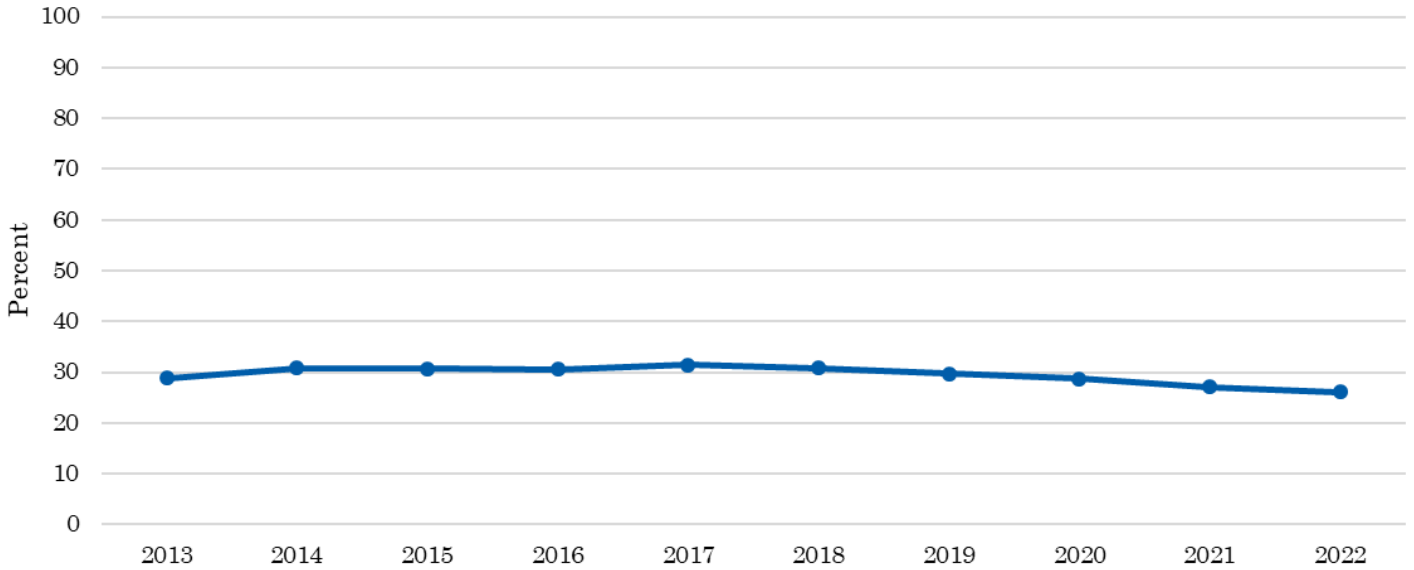
WORCESTER: ASSESSED VALUE OF TAXABLE & TAX-EXEMPT PROPERTY, 2013-2022



Source: City of Worcester Comprehensive Annual Financial Report, 2022

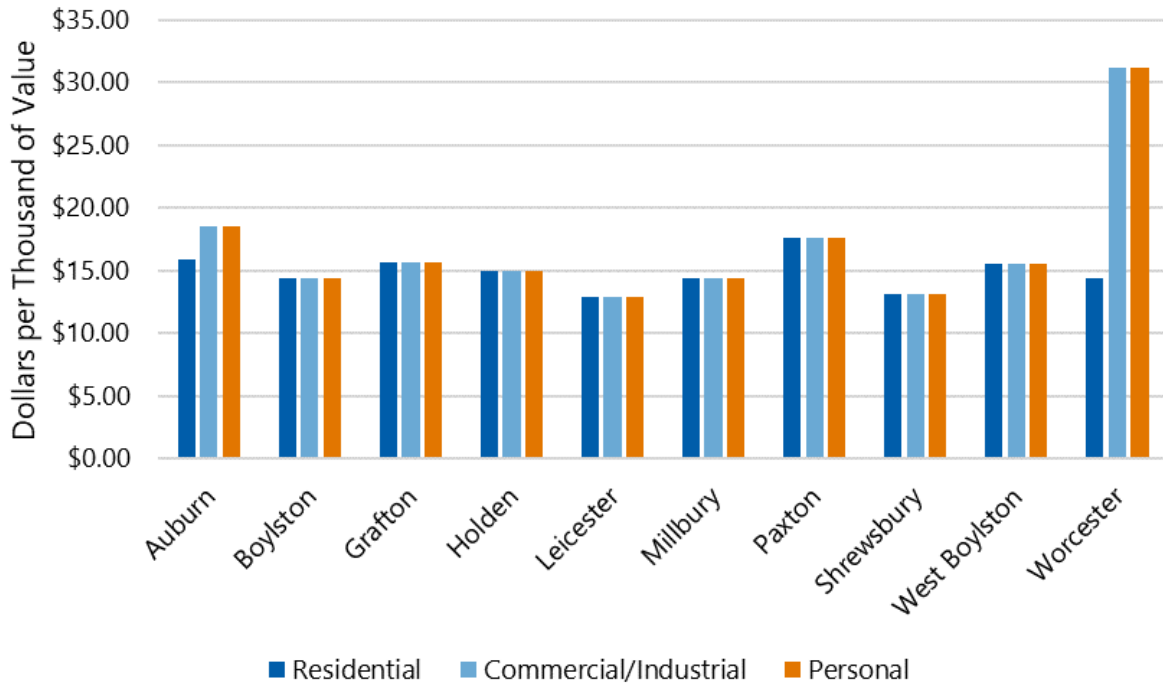


WORCESTER: TAX-EXEMPT VALUE AS A PERCENT OF TOTAL PROPERTY VALUES, 2013-2022



Source: City of Worcester Comprehensive Annual Financial Report, 2022

GREATER WORCESTER: PROPERTY TAX RATES, FY22



Source: Massachusetts Department of Revenue



Unfunded Liabilities

Upon retirement, Massachusetts state and municipal employees are eligible for pension and other post-employment benefits (OPEB), such as health care. Each year, Massachusetts governmental entities must determine current costs (pension and benefits provided to existing retirees) and future costs (pension and benefits owed upon retirement to current employees, as determined by actuaries) to determine total liability.

The City of Worcester, like most municipalities, has struggled with outstanding pension and OPEB liability. In 1992, the Commonwealth of Massachusetts offered grant funding to cities and towns that committed to a schedule to eliminate unfunded pension liability. The City of Worcester accepted the offer, committing itself to full pension funding by 2028. In light of the financial downturn, in 2010 the Commonwealth offered cities and towns a waiver on the original plans, which allowed Worcester to extend its schedule to June 30, 2032.

While pension liabilities must be forward-funded, Massachusetts does not mandate that municipalities address OPEB liabilities. Under the City’s Seven-Point Plan, Worcester contributes 30% of “free cash”—the surplus remaining after the end of the fiscal year—to be deposited into the OPEB Trust. If “free cash” is not available, no funds are deposited. As a result, Worcester’s outstanding liability increases annually and is projected to exceed \$2.5 billion within the next 30 years.

Worcester: Pension Liability, FY22	
Total Pension Liability	\$1,652,123,169
Net Position (Restricted for Pensions)	\$1,338,509,591
Funded Pension Obligation	81.0%

Source: City of Worcester Comprehensive Financial Report, 2022.

Worcester: Other Post-Employment Benefit Liability, FY22	
Total OPEB Liability	\$1,256,269,218
Funded Portion of OPEB Liability	\$30,859,128
Funded OPEB Obligation	2.5%

Source: City of Worcester Comprehensive Financial Report, 2022.

Worcester: Fund Balance, FY22	
Fund Balance	\$82,472,394
Change in Fund Balance - FY21-22	\$12,229,911
Fund Balance as a % of FY23 Budget	10.6%

*The City’s fund balance is the difference between assets and liabilities in the general fund.

Source: City of Worcester Comprehensive Annual Financial Report, 2022.

Worcester: Public Debt, 2022	
Total Outstanding Long-Term Debt	\$961,213,000
Bond Anticipation Notes as of 6/30/22	\$47,410,000
Bonded Debt per Capita	\$4,659
Bonded Debt as a % of Assessed Valuation	5.35%

*A portion of the long-term debt is supported by fees from water and sewer usage, public parking garages, and DCU Center operating revenue. Debt related to district improvement financing (DIF) capital projects for CitySquare and the DCU Center are supported from new revenue sources generated within or for the designated geographic areas.

Source: City of Worcester Comprehensive Annual Financial Report, 2022

Bond Rating

In order to borrow money, municipalities issue bonds that are purchased by investors for a guaranteed return over time. Bond ratings serve as third-party evaluations of a bond issuer’s ability to repay the bond according to the terms. Three primary rating agencies—Fitch Ratings, Moody’s Investors Service, and Standard & Poor’s Rating Service—evaluate most municipal bonds. Bonds are given ratings ranging from a high of “AAA” or “Aaa” to a low of “C” or “D”. Worcester’s ratings indicate attractive, high grade bonds that are considered at low risk of default.

Worcester: Bond Ratings, 2022	
Rating Agency	Rating
Fitch Ratings	AA
Moody’s Investors Service	Aa3
Standard & Poor’s Rating Service	AA-

Source: City of Worcester Comprehensive Financial Report, 2022.



Greater Worcester: FY24 Budgets

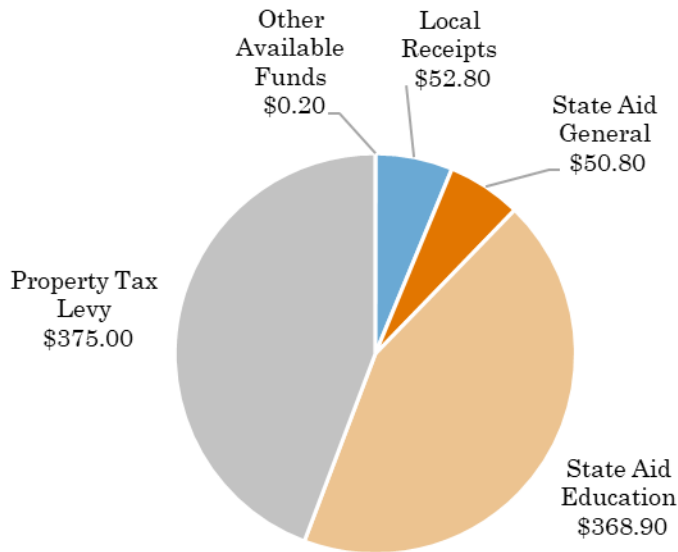
	Total City Budget (including schools)	Education Budget	Education % of Total Budget	Police Budget	Fire Budget	Police & Fire % of Total Budget
Auburn	\$75,711,783	\$31,639,165	41.79%	\$4,708,132	\$4,570,424	12.26%
Boylston	\$21,791,913	\$13,407,010	61.52%	\$1,693,630	\$753,951	11.23%
Grafton	\$73,143,829	\$43,427,796	59.37%	\$3,174,938	\$975,375	5.67%
Holden	\$62,425,202	\$36,469,661	58.42%	\$2,787,946	\$2,632,546	8.68%
Leicester	\$37,212,013	\$18,170,366	48.83%	\$2,374,272	\$370,873	7.38%
Millbury	\$53,269,351	\$27,033,580	50.75%	\$3,178,480	\$608,995	7.11%
Paxton	\$15,755,153	\$7,976,423	50.63%	\$1,213,781	\$1,221,144	15.45%
Shrewsbury	\$145,872,799	\$83,086,623	56.96%	\$7,240,875	\$5,097,340	8.46%
West Boylston	\$29,037,228	\$13,837,414	47.65%	\$1,847,987	\$1,439,480	11.32%
Worcester	\$847,728,079	\$462,693,121	54.58%	\$55,226,214	\$44,960,420	11.82%

*Education includes state aid
Source: Individual Municipal Budgets

City of Worcester's Budget

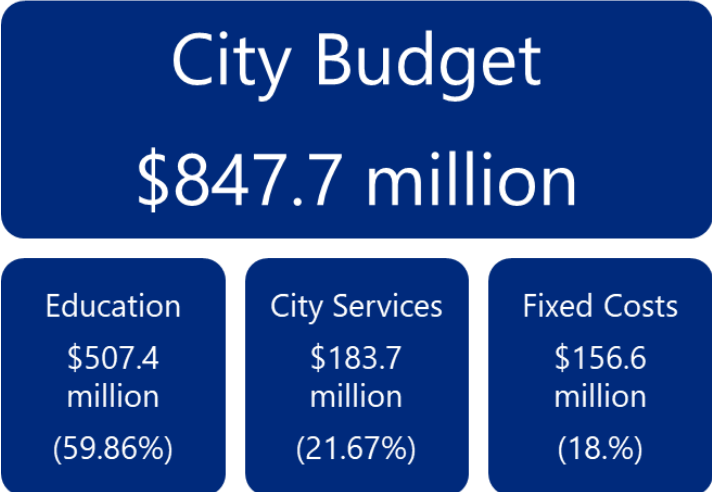
The City's final FY24 budget was \$847.7 million. City leadership has discretion over only a small part of the City's expenditures. A significant portion of the City's annual budget is fixed obligations to education, pensions, and debt service. The City of Worcester is heavily dependent of local property tax revenues; state aid education is passed on to the Worcester Public Schools.

WORCESTER: BUDGETED REVENUES, FY24



Source: City of Worcester FY24 Budget

WORCESTER: BUDGETED EXPENDITURES, FY24



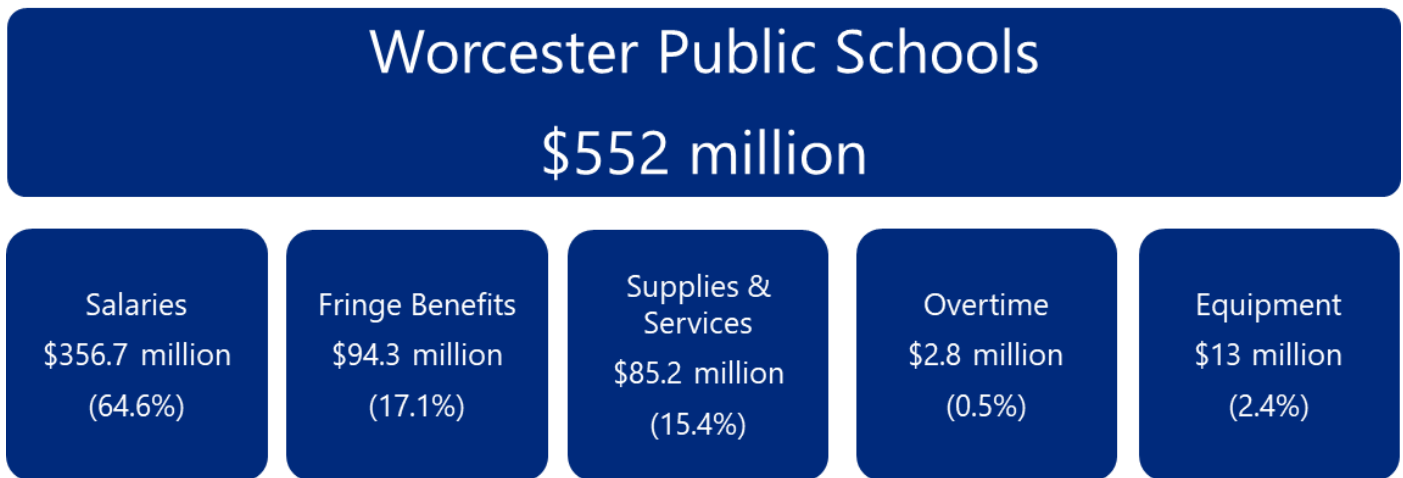
Source: City of Worcester FY24 Budget

Worcester Public School's Budget

State education funding is established by the Commonwealth's Chapter 70 formula, which provides education subsidies to cities and towns using standardized criteria including the characteristics of local school-age populations and municipal finances. In 2015, the Commonwealth's Foundation Budget Review Commission called for changes to the formula. In 2019, the Massachusetts Legislature passed the Student Opportunity Act which provided the first substantial update to the education formula since 1993. Many districts, particularly Gateway Cities, received a substantial funding increase for public schools.

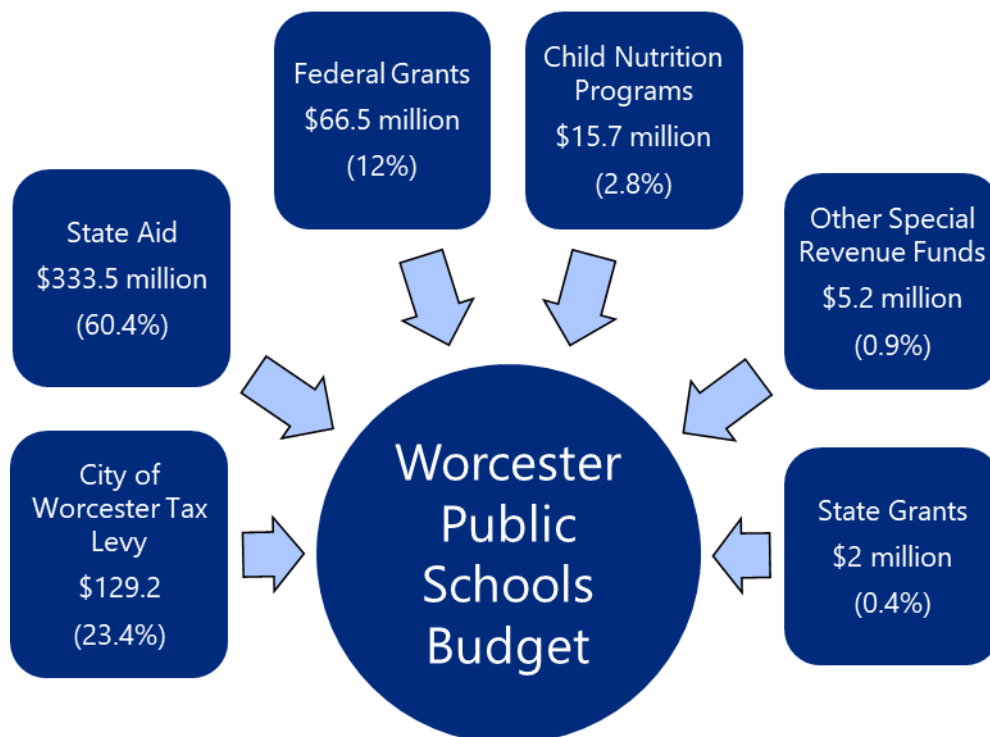
The Worcester Public Schools allocation within the City budget is augmented by available Federal, State, and other outside grants.

WORCESTER: BUDGETED EXPENDITURES, FY24



Source: Worcester Public Schools FY24 Budget

WORCESTER: BUDGETED REVENUES, FY24



Source: Worcester Public Schools FY24 Budget



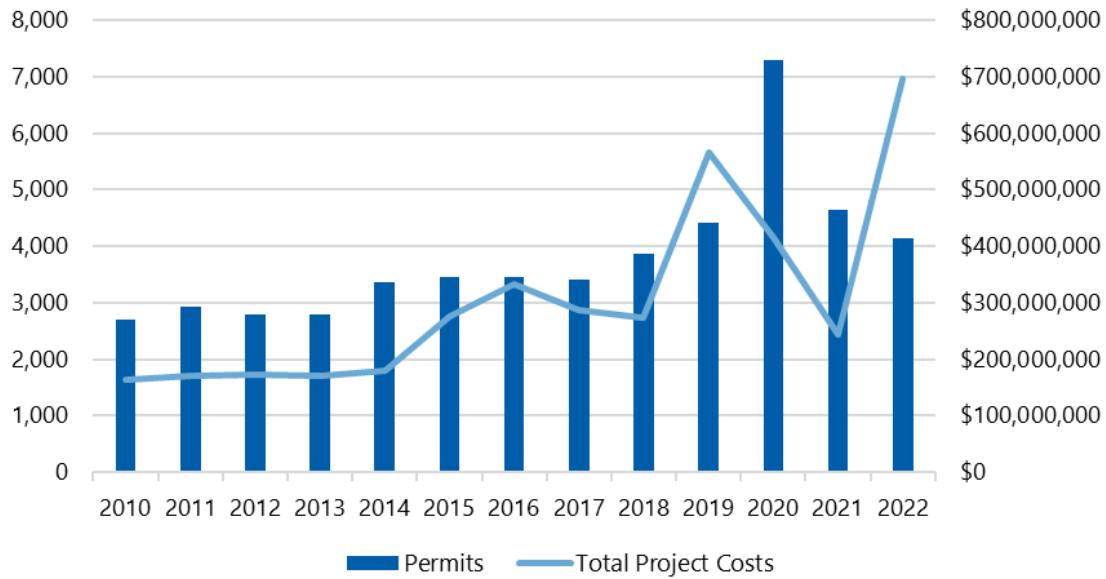
Worcester: Budgeted Employee Counts, FY24	
<i>Positions</i>	<i># of Budgeted Employees</i>
Legislative Offices	
City Council	12
Mayor's Office	2
City Clerk	13
Election Commission	9
Auditing	8
City Manager's Office	
City Manager's Office	11
Elder Affairs	12
Public Library	94
Dept. of Economic Development	
Economic Development	45
MassHire Central Region Workforce Board	10
MassHire Central Career Center	35
Cable Services	5
Diversity, Equity, and Inclusion	
	9
Sustainability and Resilience	
	9
Public Facilities	
	24
Health and Human Services	
	23
Public Health	
	30
Human Resources	
	21
Law Department	
	19
Police Department	
	537
Fire Department	
	458
Emergency Communications	
	69
Dept. of Inspectional Services	
	73
Worcester Public Schools	
	5376
Public Works and Parks	
Golf	3
Public Works	180
Parks, Recreation, and Hope Cemetery	64
Enterprise: Sewer Division	68
Enterprise: Water Division	128
Transportation and Mobility	
	24
Administration & Finance	
	11
Treasury	
	27
Purchasing	
	4
Assessing	
	10
Innovation and Technology	
	34
TOTAL: CITY ONLY	2,081
TOTAL: CITY & WPS	7,457

Each year, as part of the annual budget process, the City Council (and the School Committee in the case of the Worcester Public Schools) approves staff positions within City departments. Authorized positions are filled at the discretion of the City or WPS Administration and can be full-time or part-time. While 7,457 positions are budgeted, it is possible that not all of these positions will be filled during the fiscal year or that some of these positions are filled with part-time employees.

WPS: Budgeted Employee Counts, FY24	
<i>Positions</i>	<i># of Budgeted Employees</i>
District Administrators	51
School Administrators	94
Teachers	2703
Instructional Assistants	699
Teacher Substitutes	111
Crossing Guards	110
Educational Support	141
Custodial Services	162
Maintenance Services	31
Full Year Clerical	92
School Year Clerical	76
School Nurses	114
District Support	88
Student Transportation	414
Child Nutrition	324
Head Start	166
TOTAL: WPS ONLY	5,376



WORCESTER: REAL ESTATE INVESTMENT, 2010-2022



Source: City of Worcester Inspectional Services

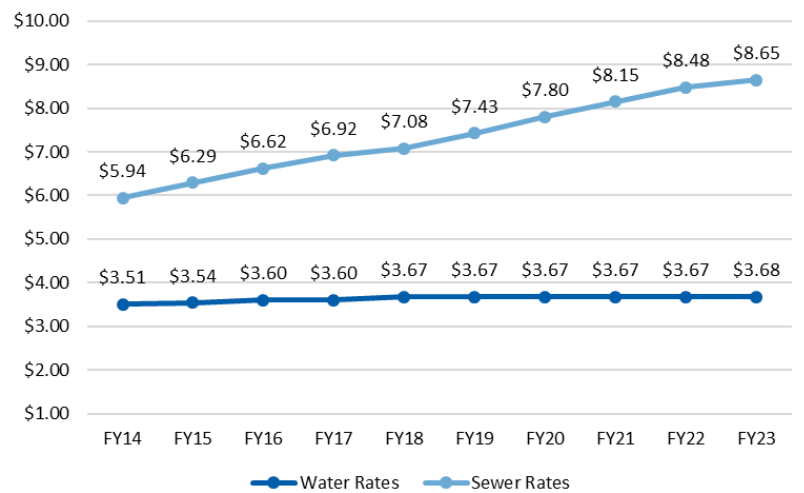
Worcester: Parks and Recreation, 2022	
Parks	61
Dog Parks	3
Playgrounds	37
Fields for Sports	67
Swimming Beach, Pool, Spray Parks	7
Total Park Acreage	1391.21
% of Total Acreage in City	5.82%
State Parks	2
State Pools and Beaches	4

Source: City of Worcester Department of Public Works & Parks

Worcester: Public Library System, 2022	
# of Independent Branches	3
# of School-Based Branches	4
# of Mobile Libraries	2
Print Holdings (including periodicals)	432,812
Total Circulation	535,815
Total eCirculation	188,714
Total Number of Visits During Public Hours	337,259
Total Number of Students at School based branches during class time	42,469

Source: Worcester Public Library

WORCESTER: WATER AND SEWER RATES, FY14-FY23

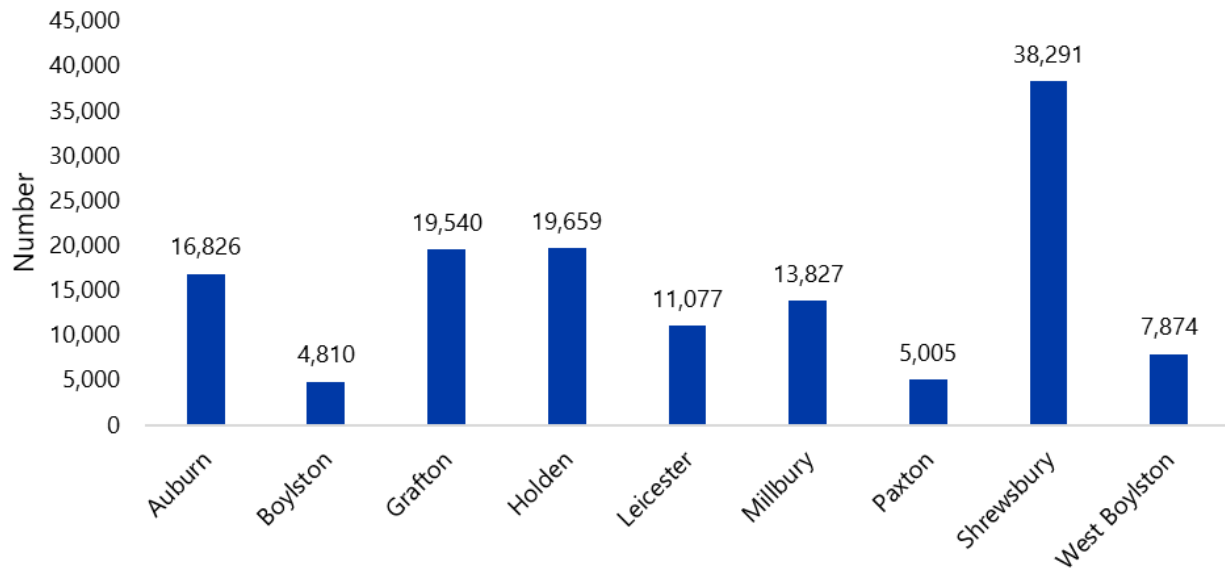


Source: City of Worcester Water and Sewer Operations.

*Rates are per 100 cubic feet of usage. Sewerage use is based on 80% of water usage.

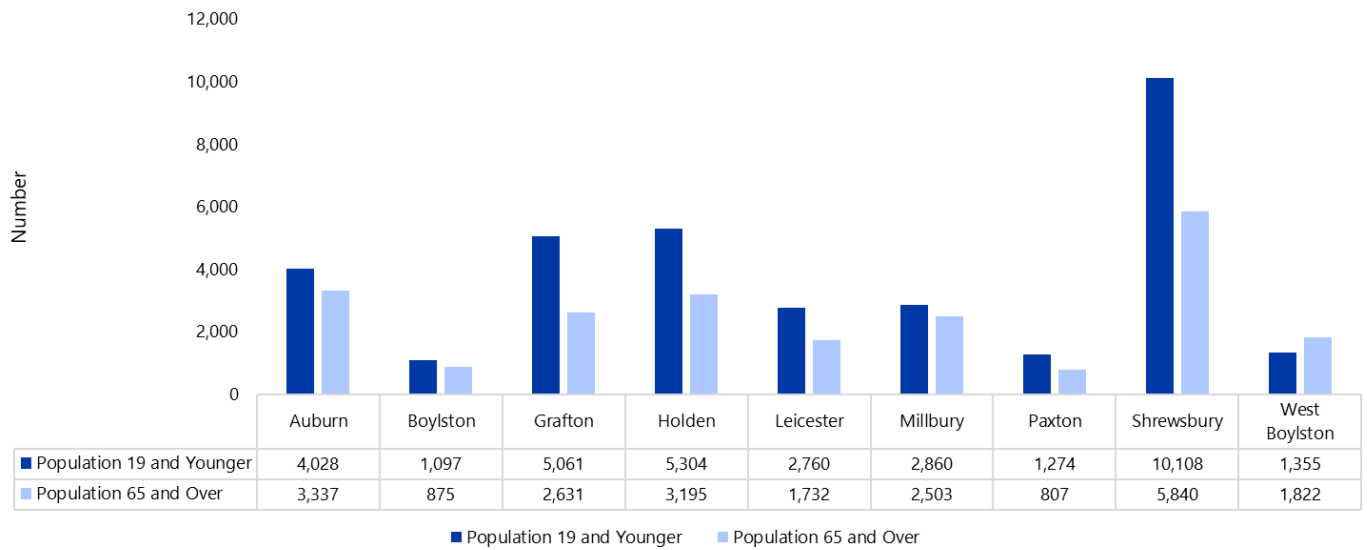


GREATER WORCESTER: POPULATION, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

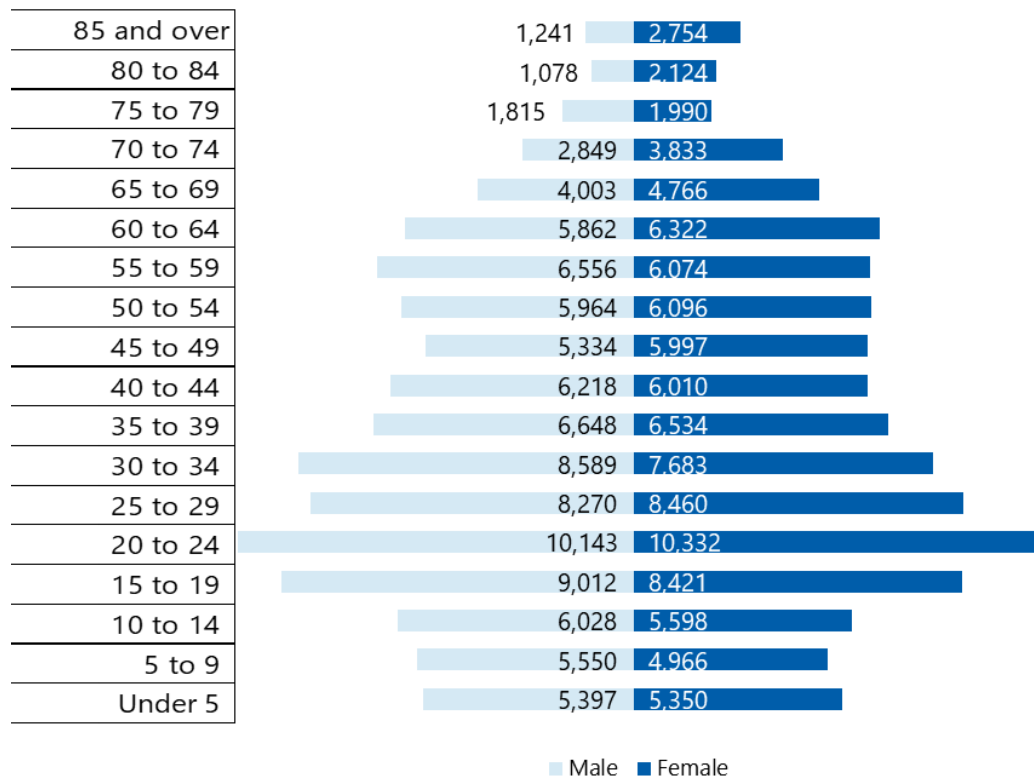
GREATER WORCESTER: POPULATION 19 YEARS OR UNDER & POPULATION 65 YEARS OR OVER, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

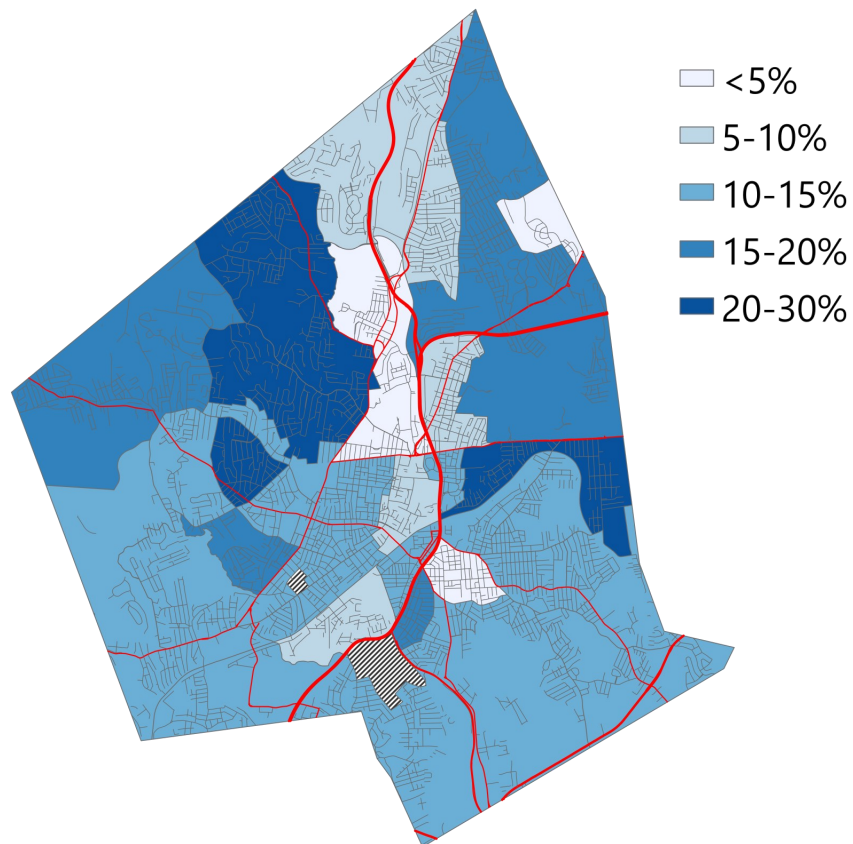


WORCESTER: POPULATION BY AGE & SEX, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

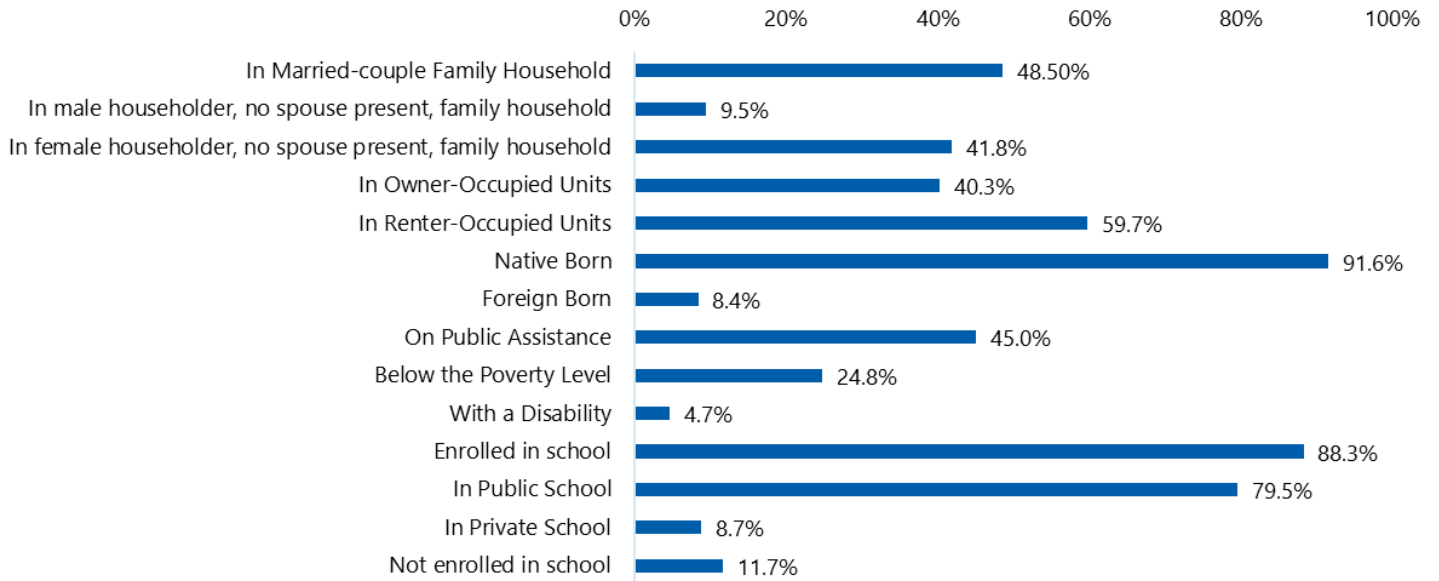
WORCESTER: PERCENT 65 YEARS OF AGE OR OVER, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

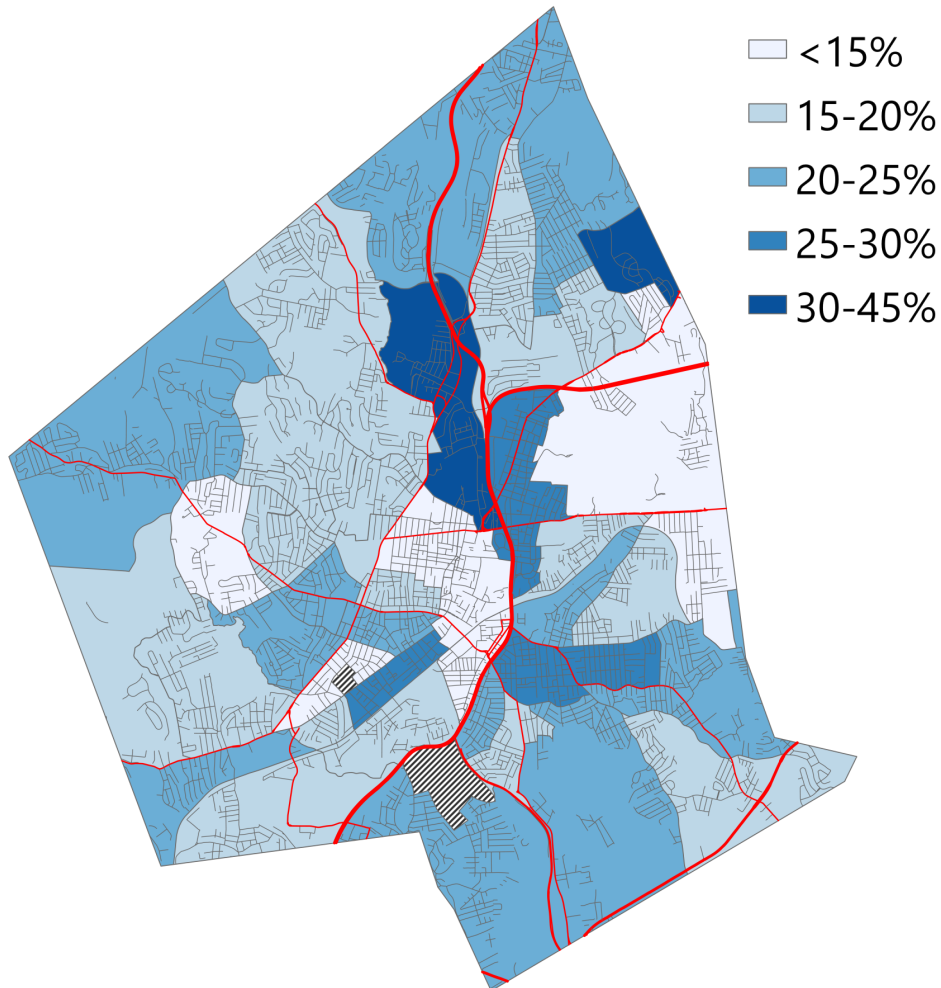


WORCESTER: CHARACTERISTICS OF THE UNDER-18 POPULATION BY PERCENT, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

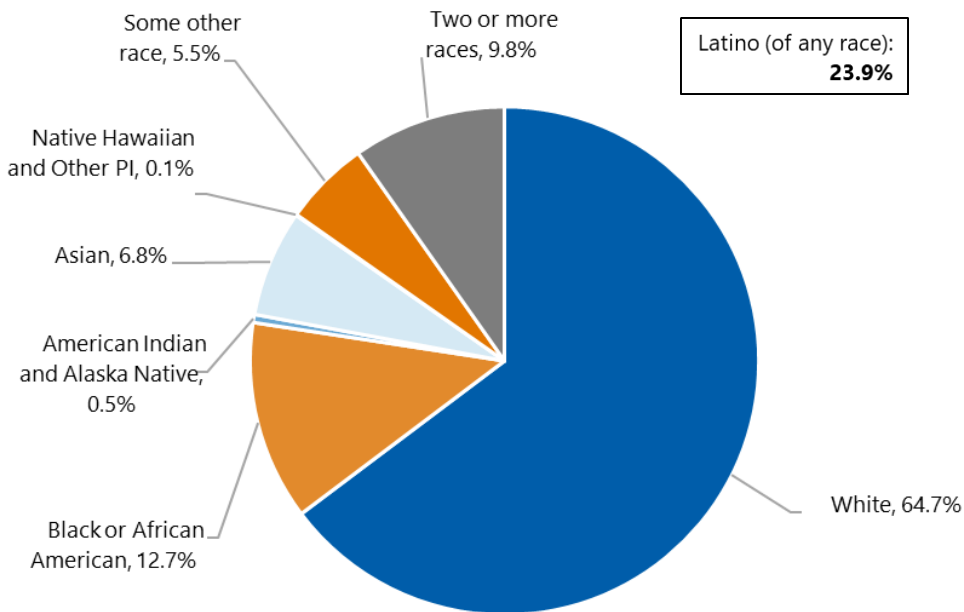
WORCESTER: POPULATION PERCENT UNDER 18, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



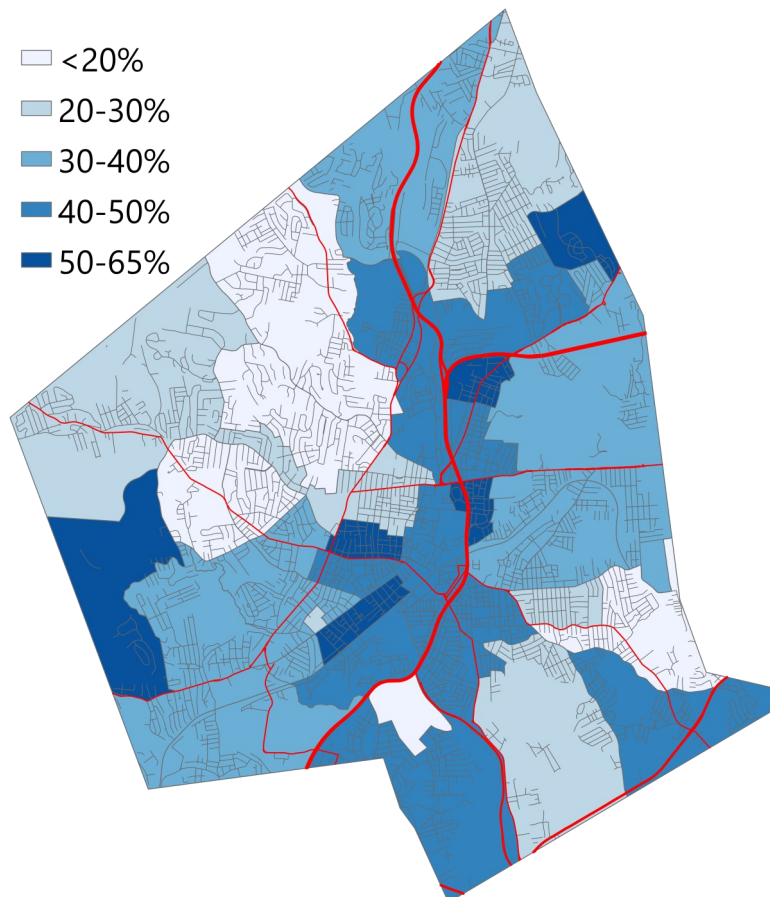
WORCESTER: POPULATION BY RACE & ETHNICITY, 2021



The U.S. Census Bureau tallies five categories of race: "American Indian or Alaska Native," "Asian," "Black or African American," "Native Hawaiian or Other Pacific Islander," and "White." Hispanic origin is defined as ethnicity, rather than race, and persons defined as Hispanic or Latino can be of any race.

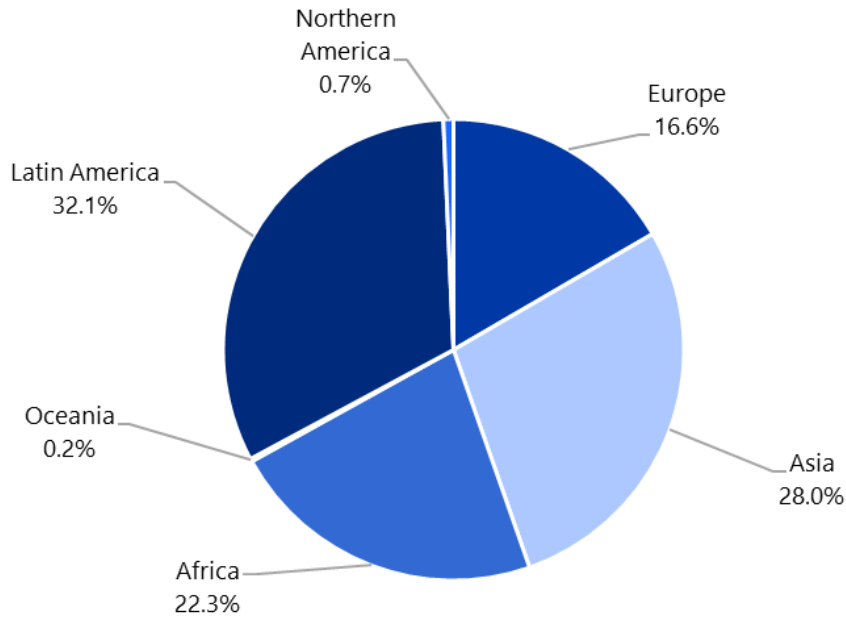
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: PERCENT NON-WHITE POPULATION, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: REGION OF ORIGIN OF FOREIGN BORN RESIDENTS, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Worcester: Foreign Born Residents, 2021		
Total Foreign Born	Foreign Born Naturalized Citizen	Foreign Born Not US Citizen
44,641	23,972	20,669

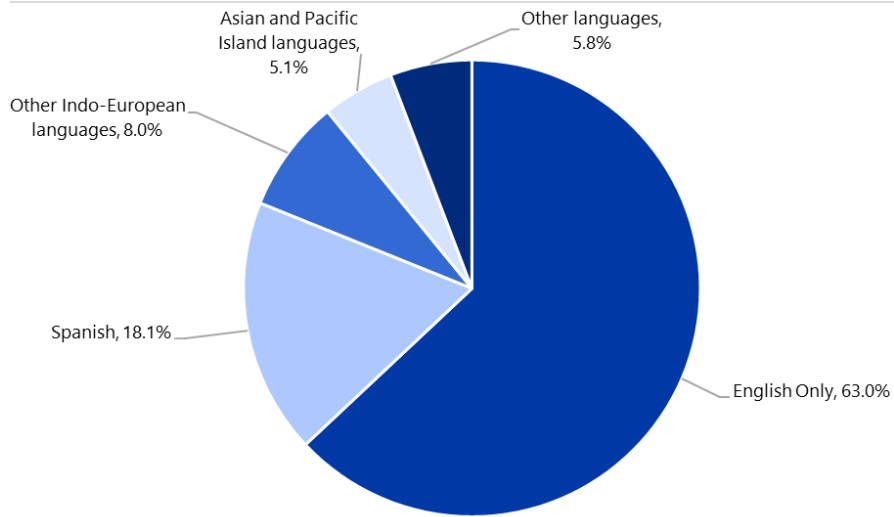
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Worcester: Place of Birth for Foreign-Born Population 2021	
Total foreign-born population	44,641
Ghana	5,714
Vietnam	4,694
Dominican Republic	3,899
Brazil	2,686
Albania	2,529
China, excluding Hong Kong and Taiwan	2,099
El Salvador	1,867
Iraq	1,442
Poland	1,221
Jamaica	965

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

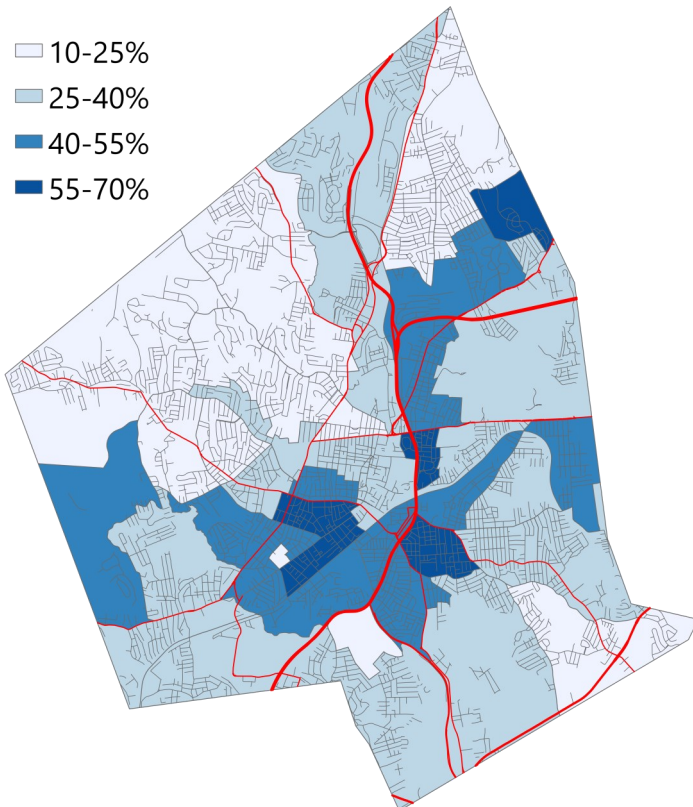


WORCESTER: LANGUAGE SPOKEN AT HOME, 2021



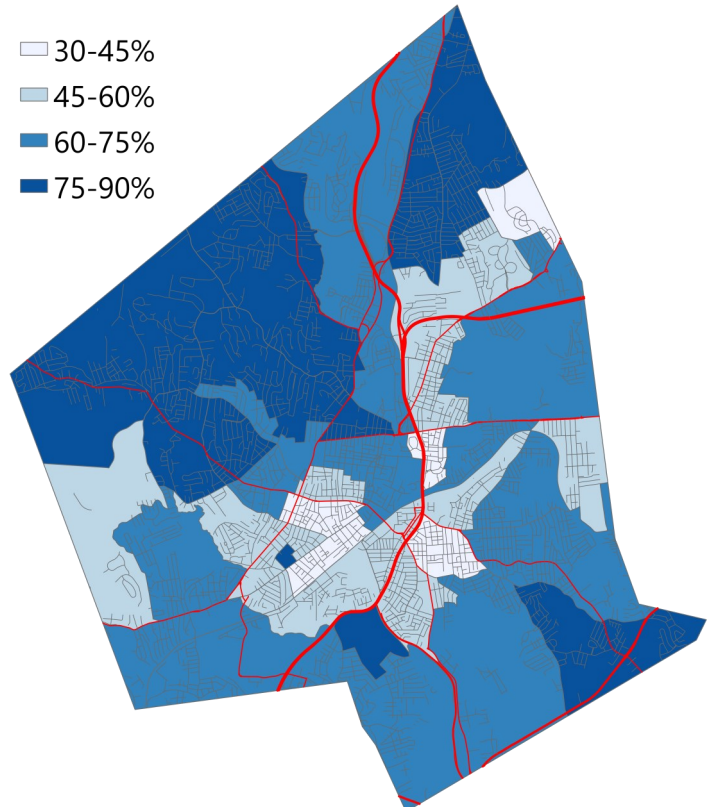
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: PERCENT THAT SPEAK ANOTHER LANGUAGE, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey

WORCESTER: PERCENT THAT SPEAK ONLY ENGLISH, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey



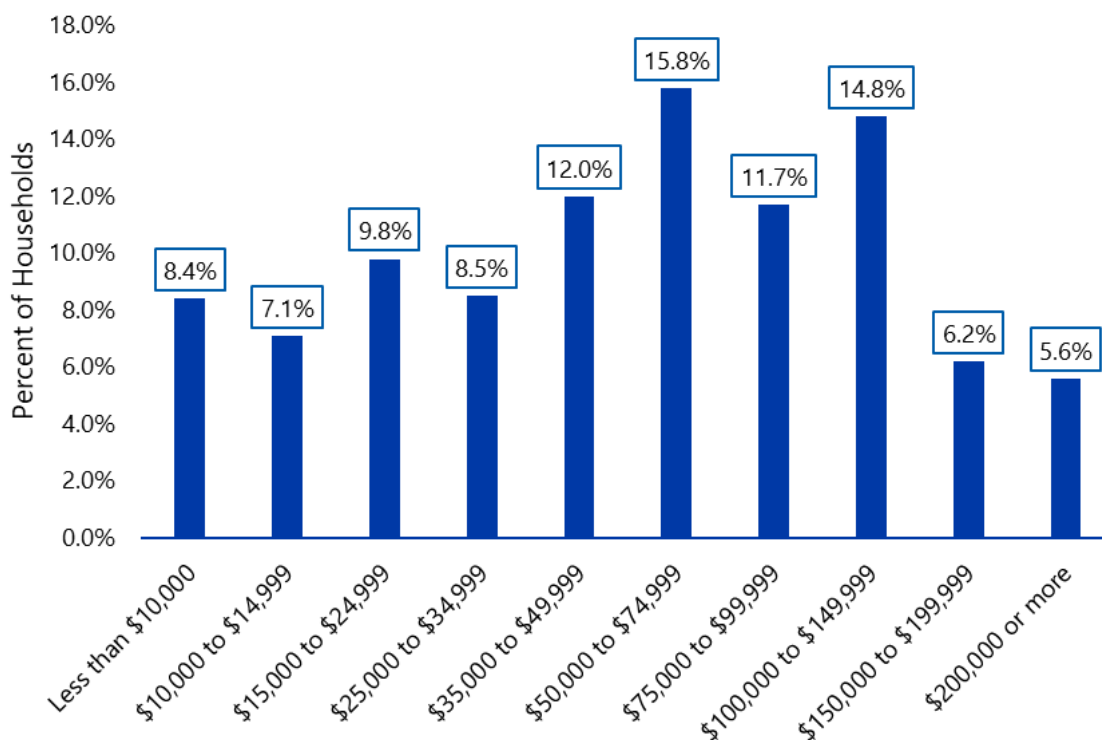
Worcester: Households, 2021	
Total # of Households	78,780
Total # of families	43,192
Households with Children under 18	19,690
Average Household Size	2.40
Average Family Size	3.14
<i>Owner-occupied</i>	42.4%
<i>Renter-Occupied</i>	57.6%
Median Household Income	\$ 56,746

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

“Median Household Income” indicates that there are an equal number of households above and below that income level. According to the U.S. Census Bureau, the median household income in Worcester is \$56,746, the median household income of Massachusetts is \$89,026, and the median household income of the United States is \$69,021.

“Mean Household Income” indicates the average household income.

WORCESTER: HOUSEHOLD INCOME, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



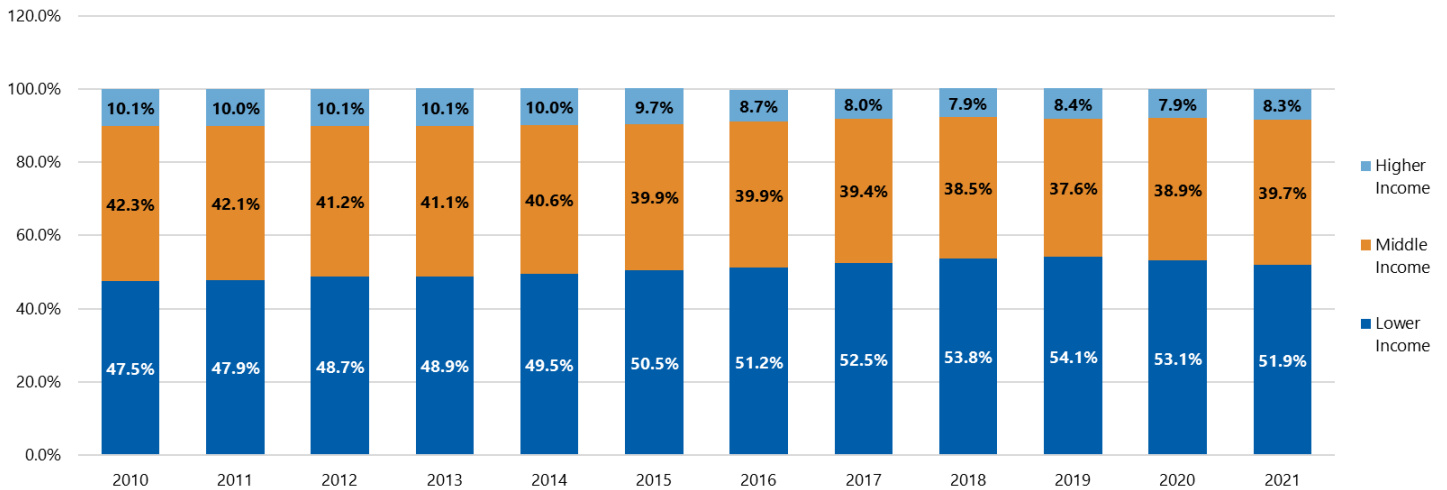
Worcester’s Middle Income*

The Pew Research Center defines middle income, or middle class, as households between 67% to 200% of the state median income. In Massachusetts, with a median household income of \$89,026, a middle-class household income would range from \$59,647 to \$178,052. The Census Bureau does not divide income groups into lower, middle, and upper-income categories, and its household income categories do not allow for exact determinations. However, the chart below estimates these categories by proportionally interpolating the values of existing ranges provided by the Census to approximate The Pew Research Center’s definition of middle income for Worcester. In 2021, approximately 39.7% of Worcester households were in the middle-income range, 51.9% of Worcester households were in the lower-income range, and 8.3% of Worcester households were in the upper-income range.

Income Ranges

Lower Income: \$0—\$59,647 Middle Income: \$59,647-\$178,052 Higher Income: \$178,052+

WORCESTER: PERCENT OF HOUSEHOLDS BY INCOME LEVEL, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

*According to Pew Research Center:

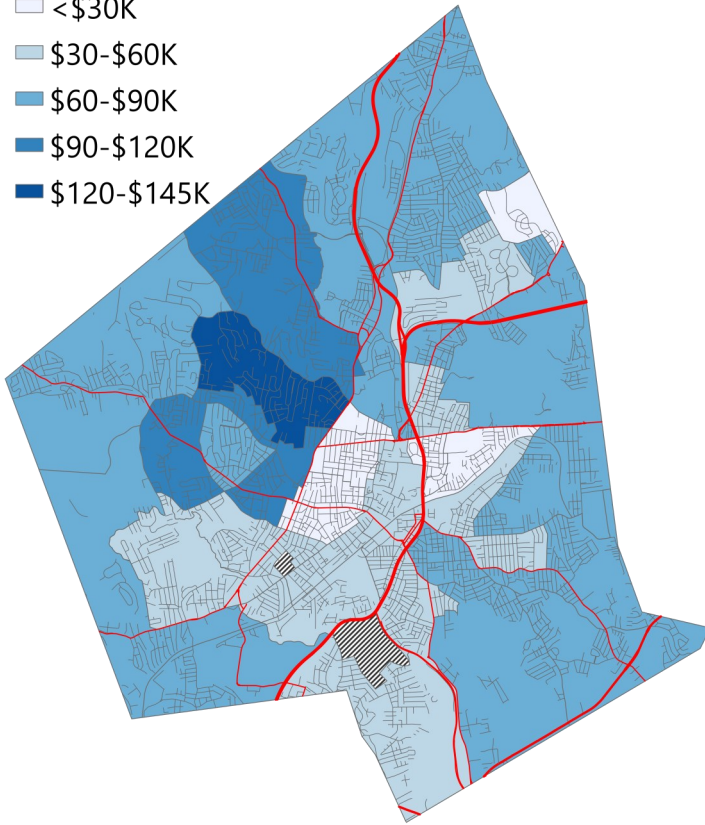
“Middle income or middle class? The terms “middle income” and “middle class” are often used interchangeably. This is especially true among economists who typically define the middle class in terms of income or consumption. But being middle class can connote more than income, be it a college education, white-collar work, economic security, owning a home, or having certain social and political values. Class could also be a state of mind, that is, it could be a matter of self-identification (Pew Research Center, 2008, 2012). The interplay among these many factors is examined in studies by Hout (2007) and Savage et al. (2013), among others.”

Source: Pew Research Center, *Social and Demographic Trends*, <http://www.pewsocialtrends.org/2015/12/09/the-american-middle-class-is-losing-ground/>, Accessed March 2016.



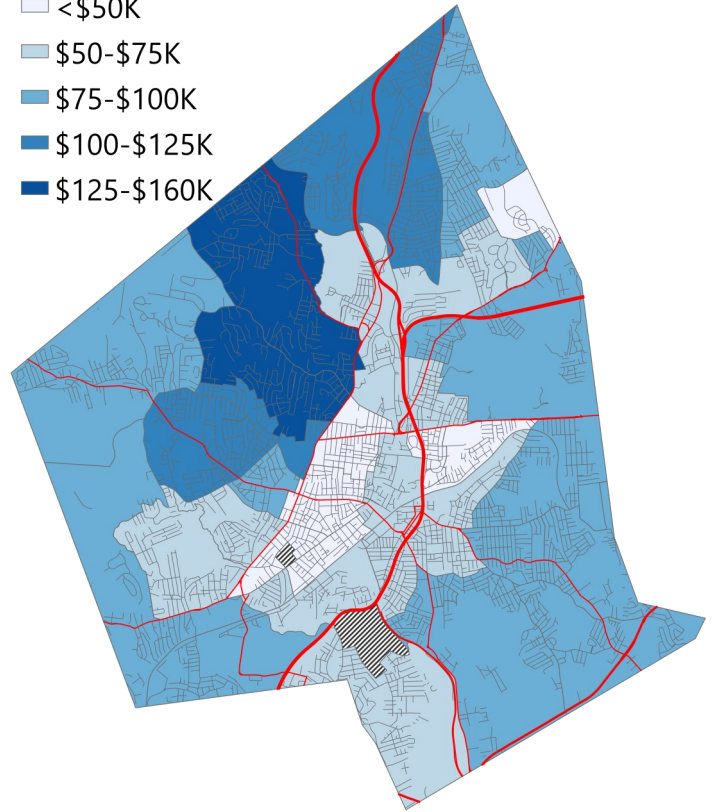
WORCESTER: HOUSEHOLD MEDIAN INCOME, 2021

- <\$30K
- \$30-\$60K
- \$60-\$90K
- \$90-\$120K
- \$120-\$145K



WORCESTER: HOUSEHOLD MEAN INCOME, 2021

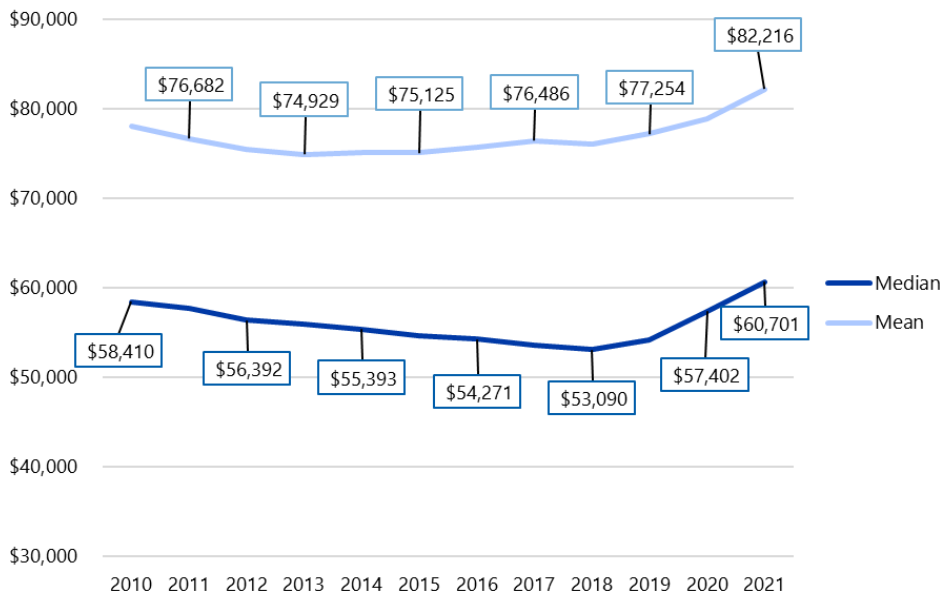
- <\$50K
- \$50-\$75K
- \$75-\$100K
- \$100-\$125K
- \$125-\$160K



Source: U.S. Census Bureau, 2021 5-Year American Community Survey

Source: U.S. Census Bureau, 2021 5-Year American Community Survey

WORCESTER: MEAN & MEDIAN HOUSEHOLD INCOME (INFLATION-ADJUSTED 2022), 2010-2021

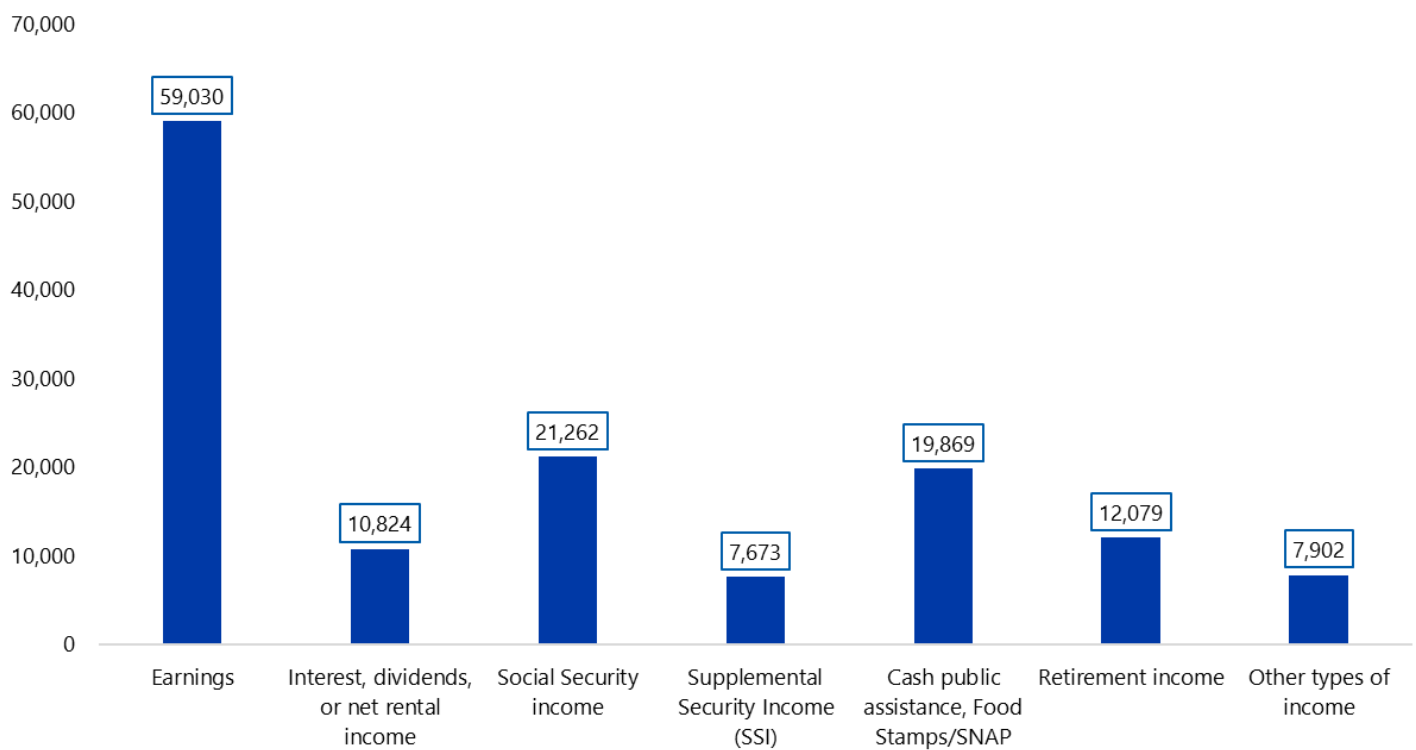


Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



Worcester: Income by Quintile, 2021		
	Mean household income	Shares of Aggregate Household Income
Lowest Quintile	\$ 9,976	2.6%
Second Quintile	\$ 30,387	7.9%
Third Quintile	\$ 56,856	14.8%
Fourth Quintile	\$ 92,685	24.1%
Highest Quintile	\$ 194,393	50.6%
Top 5 Percent	\$ 325,217	21.2%

WORCESTER: NUMBER OF HOUSEHOLDS PER HOUSEHOLD INCOME SOURCE, 2021

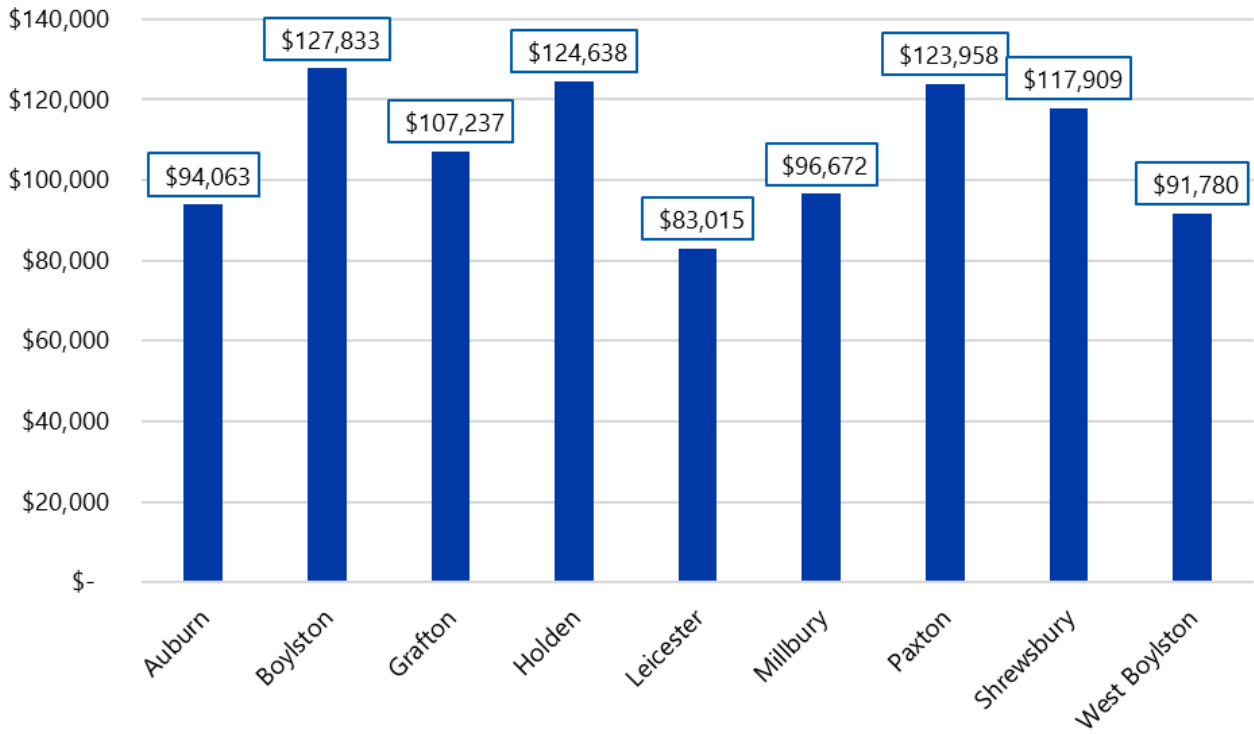


Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Household Mean & Median Income Comparison	Worcester	Massachusetts	United States
Household Median Income (dollars)	\$ 56,746	\$ 89,026	\$ 69,021
Household Mean Income (dollars)	\$ 76,859	\$ 123,174	\$ 97,196

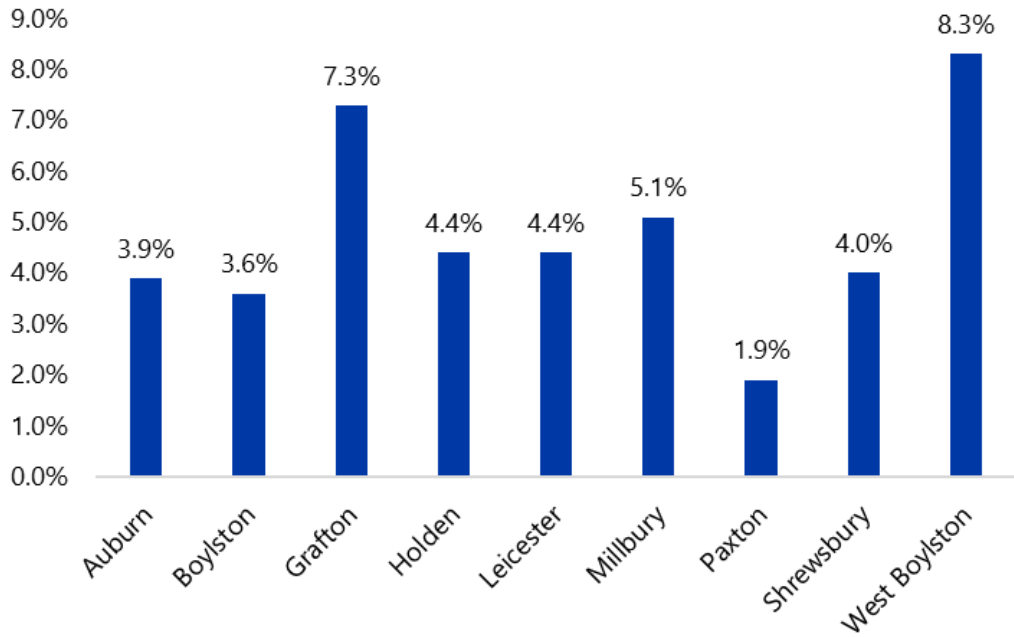


GREATER WORCESTER: MEDIAN HOUSEHOLD INCOME, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

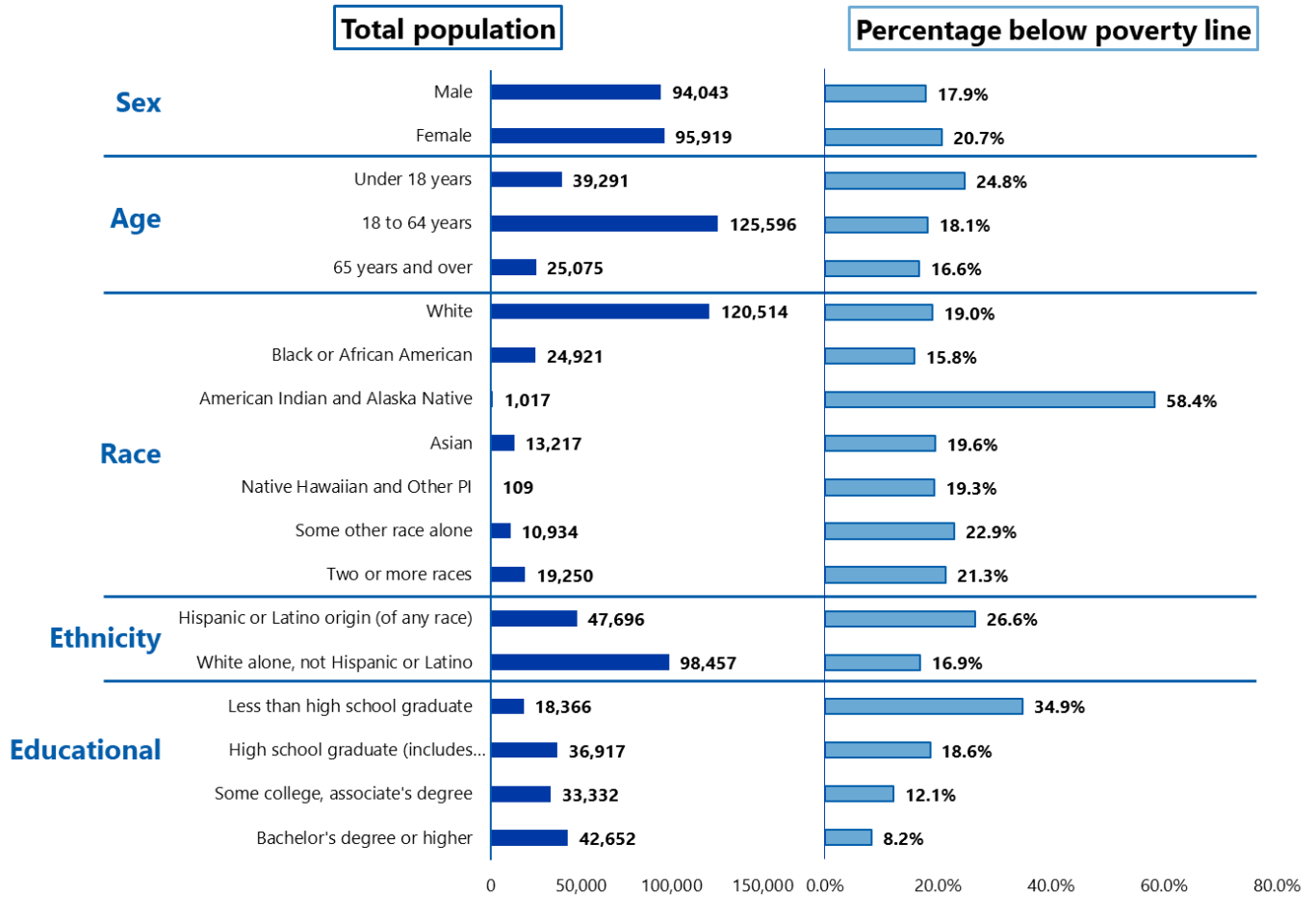
GREATER WORCESTER: PERCENT IN POVERTY, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

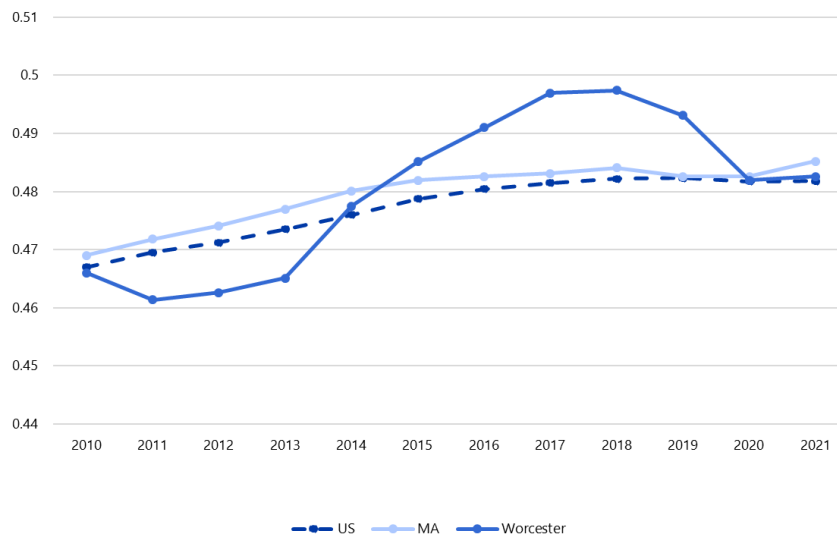


WORCESTER: POVERTY BY SELECTED CHARACTERISTICS, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: GINI INDEX OF INCOME INEQUALITY, 2010-2021



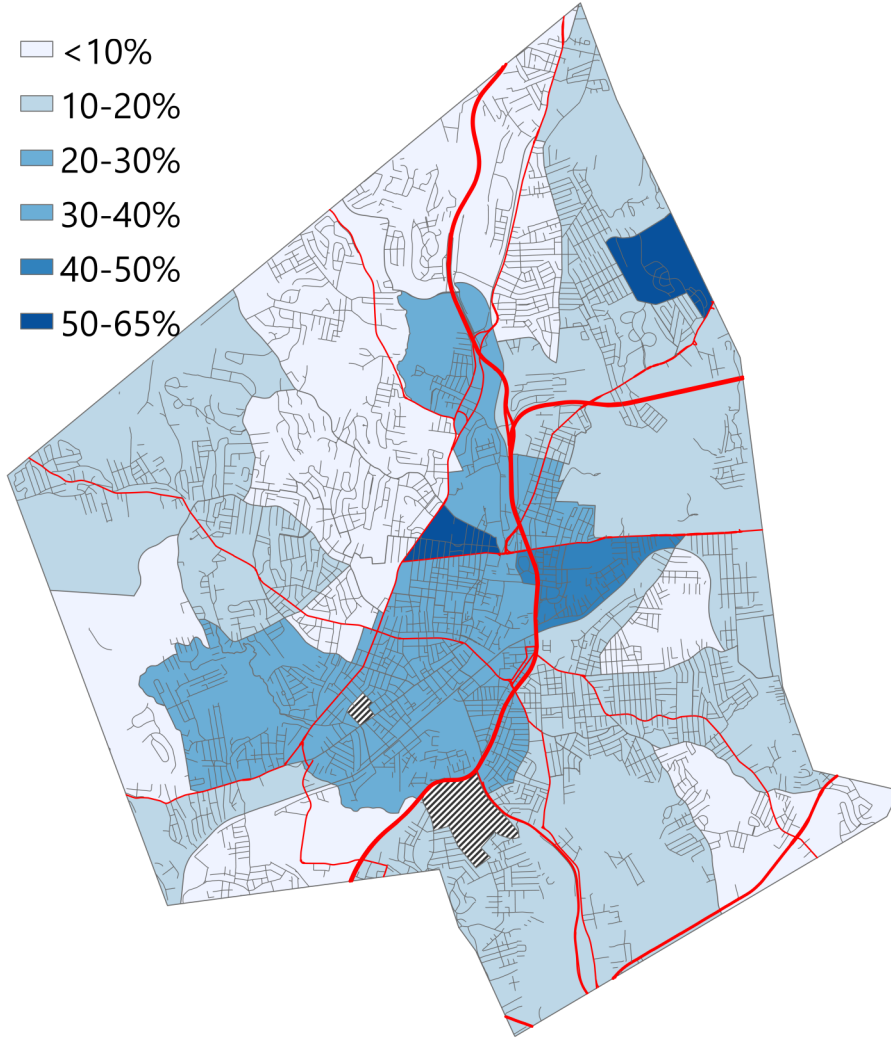
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Gini Coefficient

The Gini Coefficient is a measure of inequality whose values range from 0 to 1, with 0 representing perfect equality and 1 representing perfect inequality

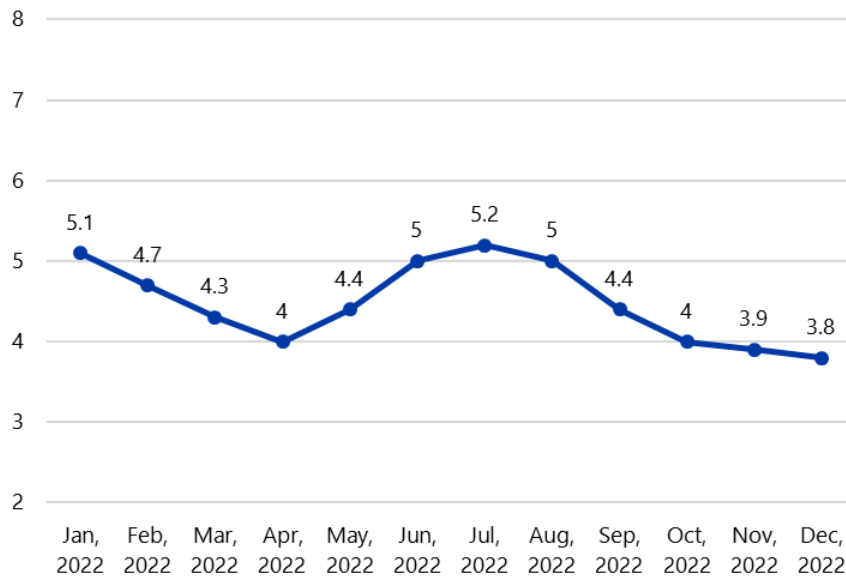


WORCESTER: PERCENT OF RESIDENTS BELOW POVERTY LEVEL, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

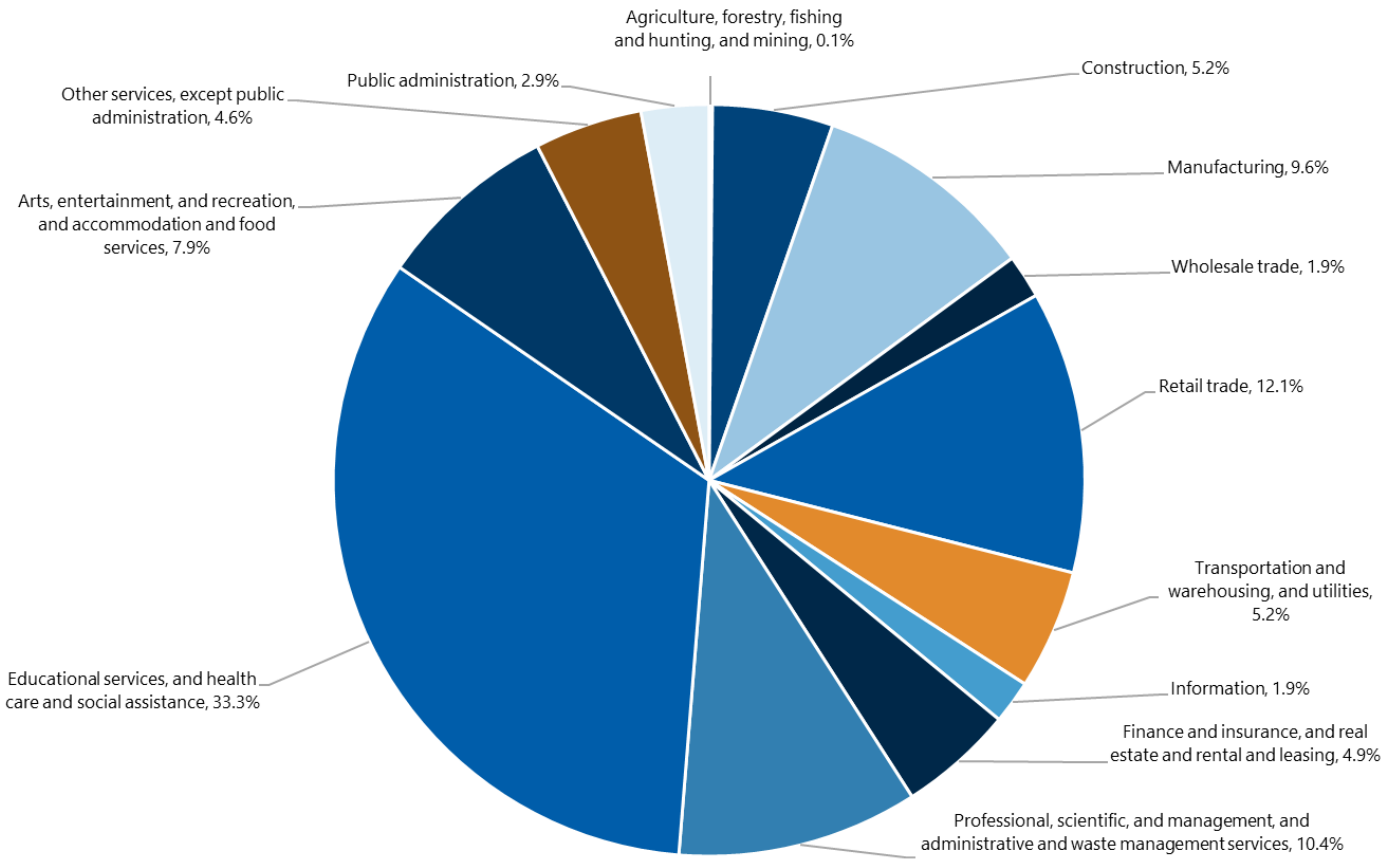
WORCESTER: UNEMPLOYMENT RATE, 2022



Source: Bureau of Labor Statistics

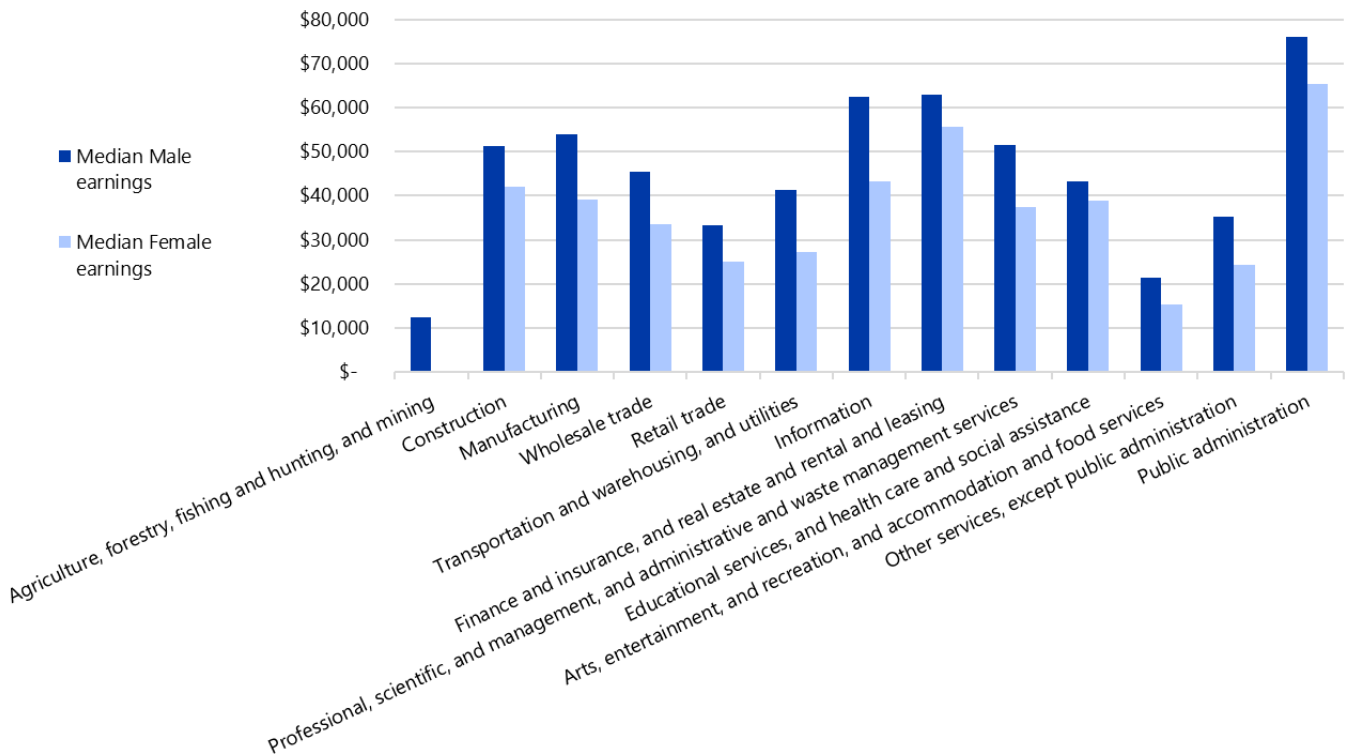


WORCESTER: EMPLOYMENT BY INDUSTRY, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: MEDIAN EARNINGS PER INDUSTRY BY GENDER, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



Worcester: Employment & Earnings by Industry, 2021

	Total	Industry percent	Male percent	Female percent	Median earnings	Median Male earnings	Median Female earnings	Female Earnings as a Percent of Male
Agriculture, forestry, fishing and hunting, and mining	143	0.1%	49.0%	51.0%	\$11,349	\$12,303	NA	NA
Construction	5,120	5.2%	93.4%	6.6%	\$50,353	\$51,297	\$42,143	82.2%
Manufacturing	9,467	9.6%	72.0%	28.0%	\$47,479	\$53,850	\$39,155	72.7%
Wholesale trade	1,852	1.9%	49.8%	50.2%	\$39,452	\$45,338	\$33,467	73.8%
Retail trade	11,984	12.1%	56.3%	43.7%	\$30,019	\$33,242	\$25,027	75.3%
Transportation and warehousing, and utilities	5,085	5.2%	76.0%	24.0%	\$38,001	\$41,336	\$27,170	65.7%
Information	1,835	1.9%	59.3%	40.7%	\$53,313	\$62,561	\$43,250	69.1%
Finance and insurance, and real estate and rental and leasing	4,874	4.9%	47.8%	52.2%	\$57,364	\$62,833	\$55,762	88.7%
Professional, scientific, and management, and administrative and waste management services	10,224	10.4%	63.6%	36.4%	\$47,344	\$51,549	\$37,527	72.8%
Educational services, and health care and social assistance	32,857	33.3%	32.9%	67.1%	\$40,345	\$43,201	\$38,956	90.2%
Arts, entertainment, and recreation, and accommodation and food services	7,743	7.9%	46.0%	54.0%	\$17,425	\$21,318	\$15,305	71.8%
Other services, except public administration	4,583	4.6%	37.7%	62.3%	\$28,842	\$35,204	\$24,262	68.9%
Public administration	2,868	2.9%	59.1%	40.9%	\$67,553	\$76,062	\$65,349	85.9%
Civilian employed population 16 years and over	98,635	100.0%	50.9%	49.1%	\$40,600	\$45,484	\$35,861	78.8%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

	Mean usual hours worked for workers, 2021	Median age of workers 16 to 64 years, 2021
Total	36.6	35.8
Male	38.9	36.2
Female	34.3	35.3

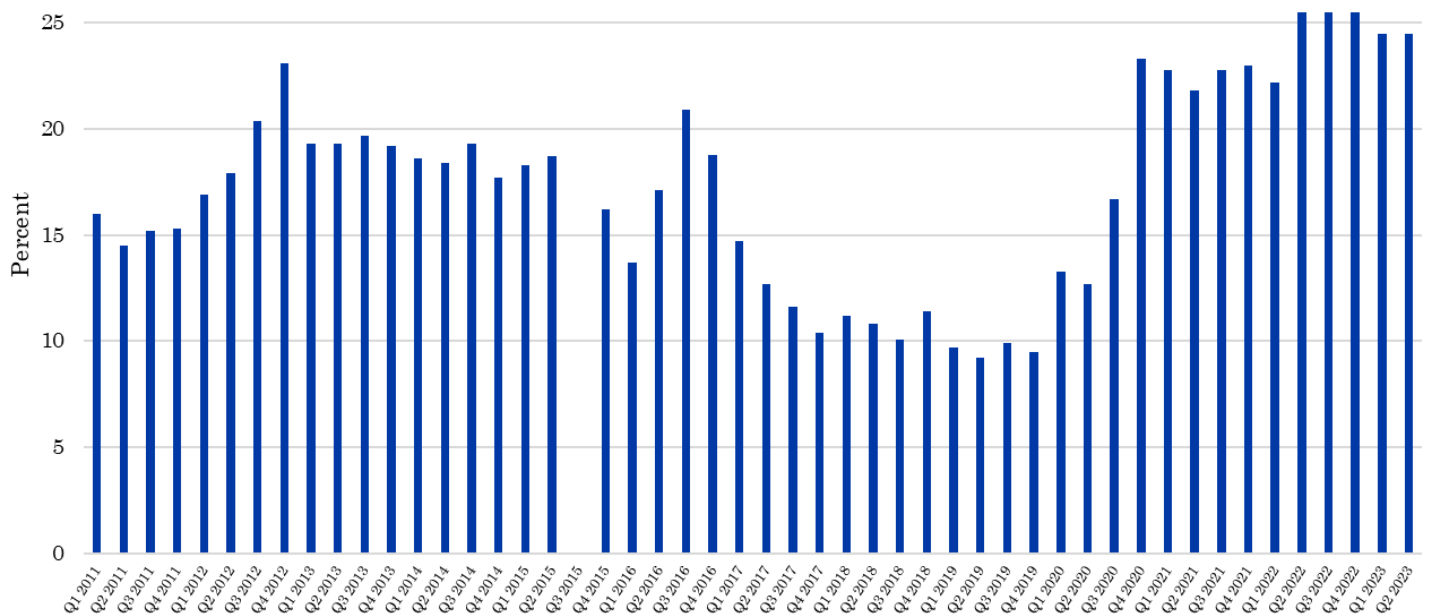
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



Worcester: Office and R&D Space						
	2022				2023	
	First Quarter	Second Quarter	Third Quarter	Fourth Quarter	First Quarter	Second Quarter
Square Feet (SF) Supply	1,988,183	1,988,183	1,988,183	1,988,183	1,988,183	1,988,183
Direct SF Available	322,634	388,251	387,048	387,048	387,048	386,512
Sublease SF Available	119,466	119,466	119,466	119,466	100,000	100,000
Vacancy Rate%	22.20%	25.50%	25.50%	25.50%	24.50%	24.50%
Current Net Absorption	15,475	-65,617	1,203	0	19,466	536
YTD Net Absorption	15,475	-50,142	-48,939	-48,939	19,466	20,002

Source: Based on a survey of select properties by Colliers International

WORCESTER: QUARTERLY OFFICE & R&D VACANCY RATE, 2011-2023



Source: Based on a survey of select properties by Colliers International.

Colliers International completes a survey of office vacancies for Greater Boston that includes select buildings in Worcester. *Colliers did not complete a market survey in the 3rd Quarter of 2015.

**Colliers reported that the data starting in Q4 2020 reflects adjustments made to the select properties to better represent market conditions and the market as a whole. This should be considered when making historical comparisons going forward.

Worcester: Hotels, 2022	
	Number of Rooms
AC Hotel by Marriott	170
Beechwood Hotel	73
Courtyard by Marriott Worcester	134
Hampton Inn & Suites Worcester	100
Hilton Garden Inn Worcester	199
Holiday Inn Express Worcester	96
Homewood Suites	119
Quality Inn & Suites	112
Residence Inn by Marriott	129
Total Hotel Rooms	1,132

Worcester: Hotel Market, 2022	
Occupancy	73.60%
Average Daily Rate (ADR)	\$150.92
Revenue per Available Room	\$111.04

Worcester County: Hotel Market, 2022	
Occupancy	66.40%
Supply	2,288,468
Demand	1,519,912
Average Daily Rate (ADR)	\$136.40
Revenue per Available Room	\$90.59

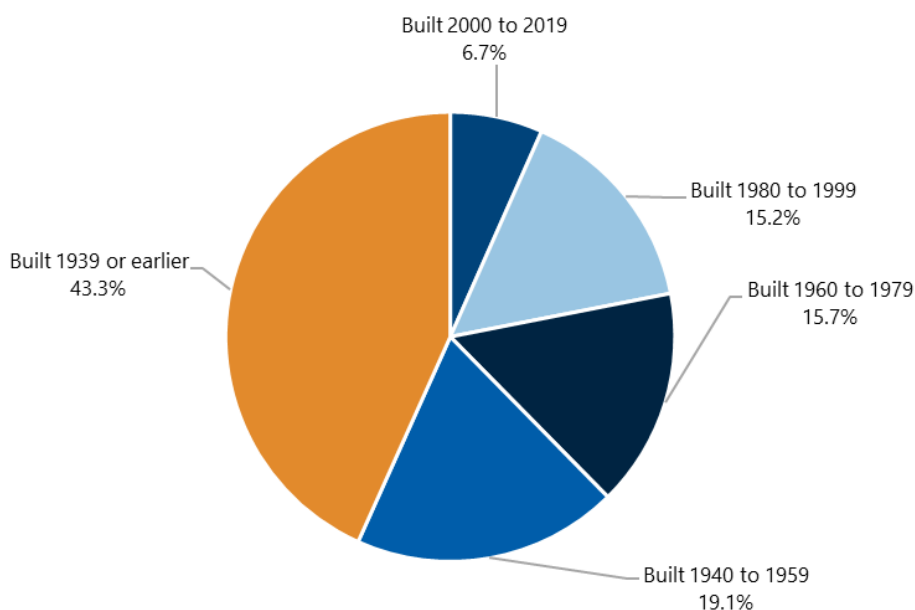
Source for all Hotel Data: Discover Central Massachusetts



Worcester: Housing Units, 2021		
Total Housing Units	85,218	
Occupied Housing Units	78,780	92.4%
Owner occupied	33,416	39.2%
Renter occupied	45,364	53.2%
Vacant Housing Units	6,438	7.6%
Housing Units in Multi-Unit Structures	52,399	61.5%
Homeowner vacancy rate	1.5	
Rental vacancy rate	3.3	

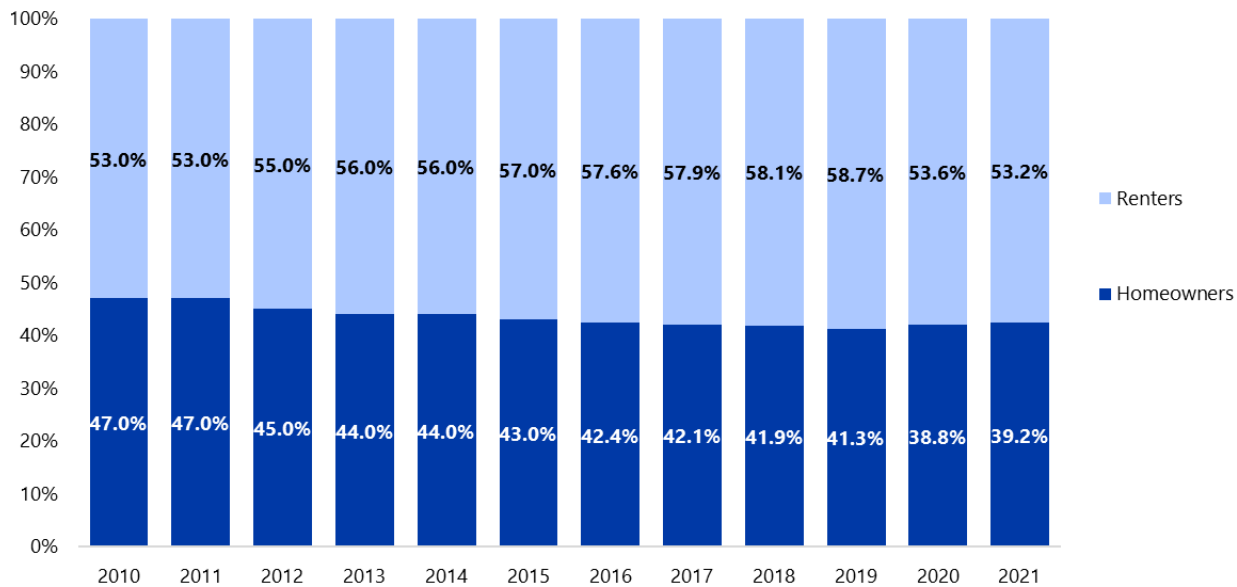
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: AGE OF HOUSING STOCK, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

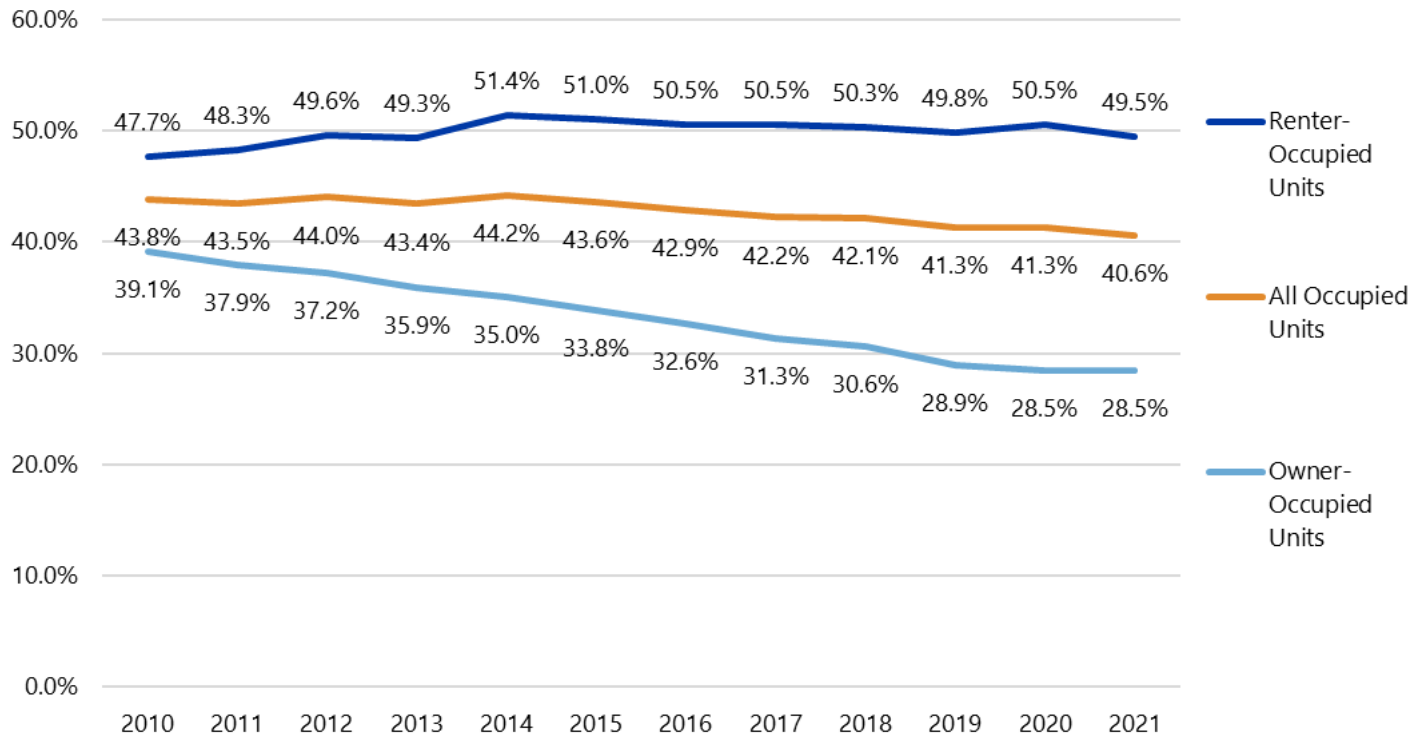
WORCESTER: OWNER-OCCUPIED, AND RENTER-OCCUPIED AS A PERCENT OF TOTAL HOUSEHOLDS, 2010-2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

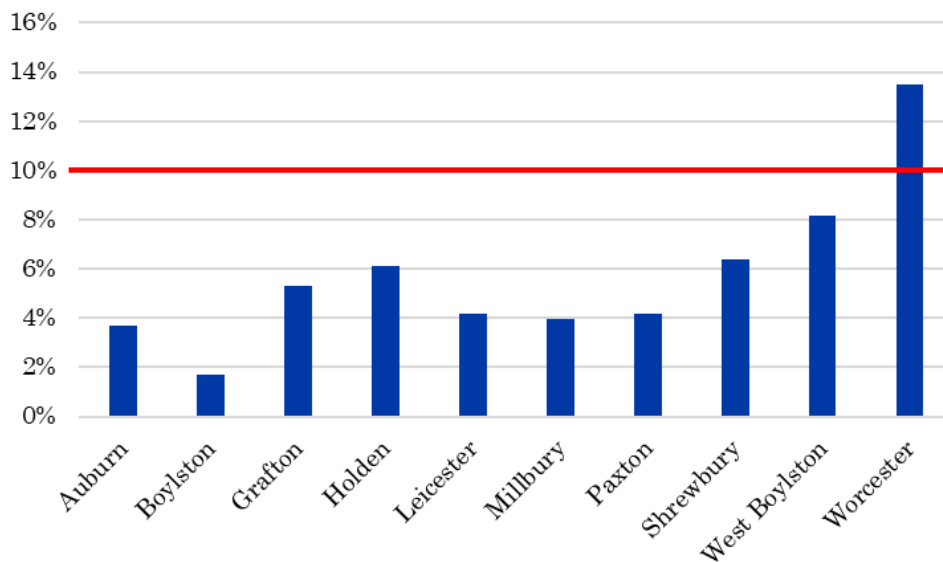


WORCESTER: PERCENT OF HOUSEHOLDS SPENDING 30% OR MORE OF INCOME ON HOUSING, 2010-2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

GREATER WORCESTER: CHAPTER 40B SUBSIDIZED HOUSING INVENTORY



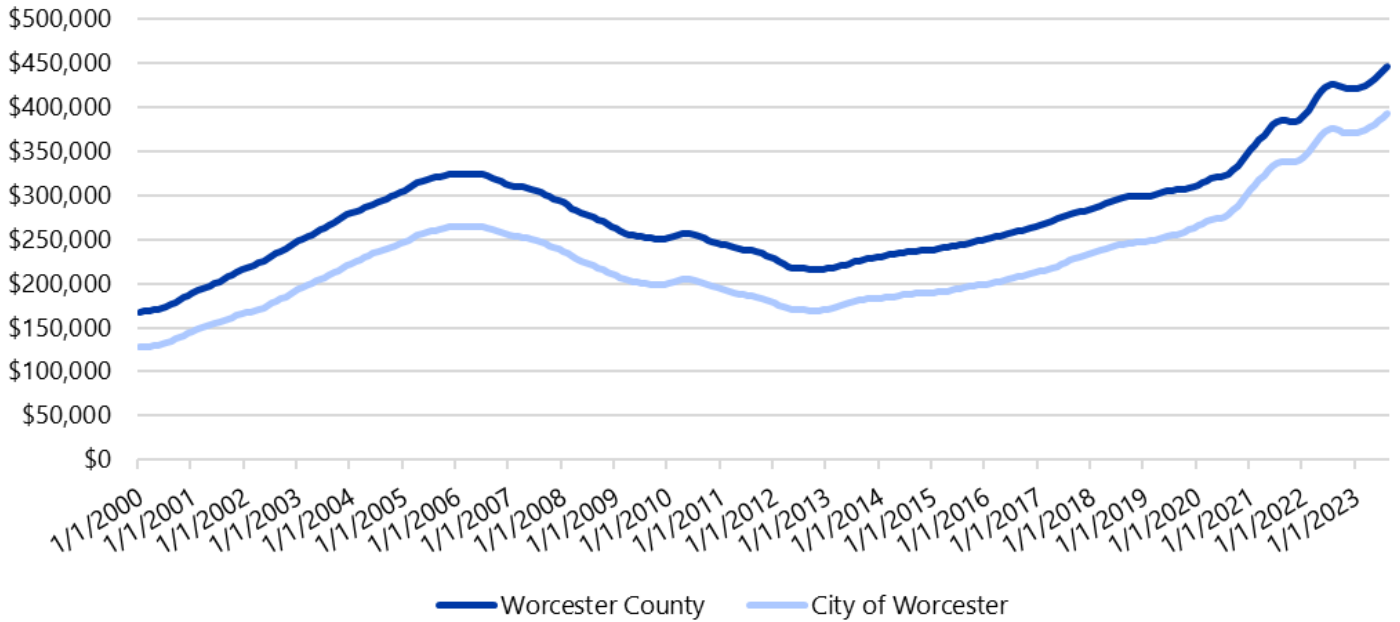
Massachusetts General Laws Chapter 40B was adopted in 1969 as part of the Massachusetts Comprehensive Permit Act to encourage and facilitate the building of affordable, long-term housing for low-income individuals and families across the Commonwealth and to ensure that low-income residents can remain in their localities if housing costs increase. The law calls on every Massachusetts community to ensure that 10% of all housing units meet certain affordability requirements.

Red line indicates 10% threshold called for under Chapter 40B.

Source: Massachusetts Department of Housing & Community Development, 2010

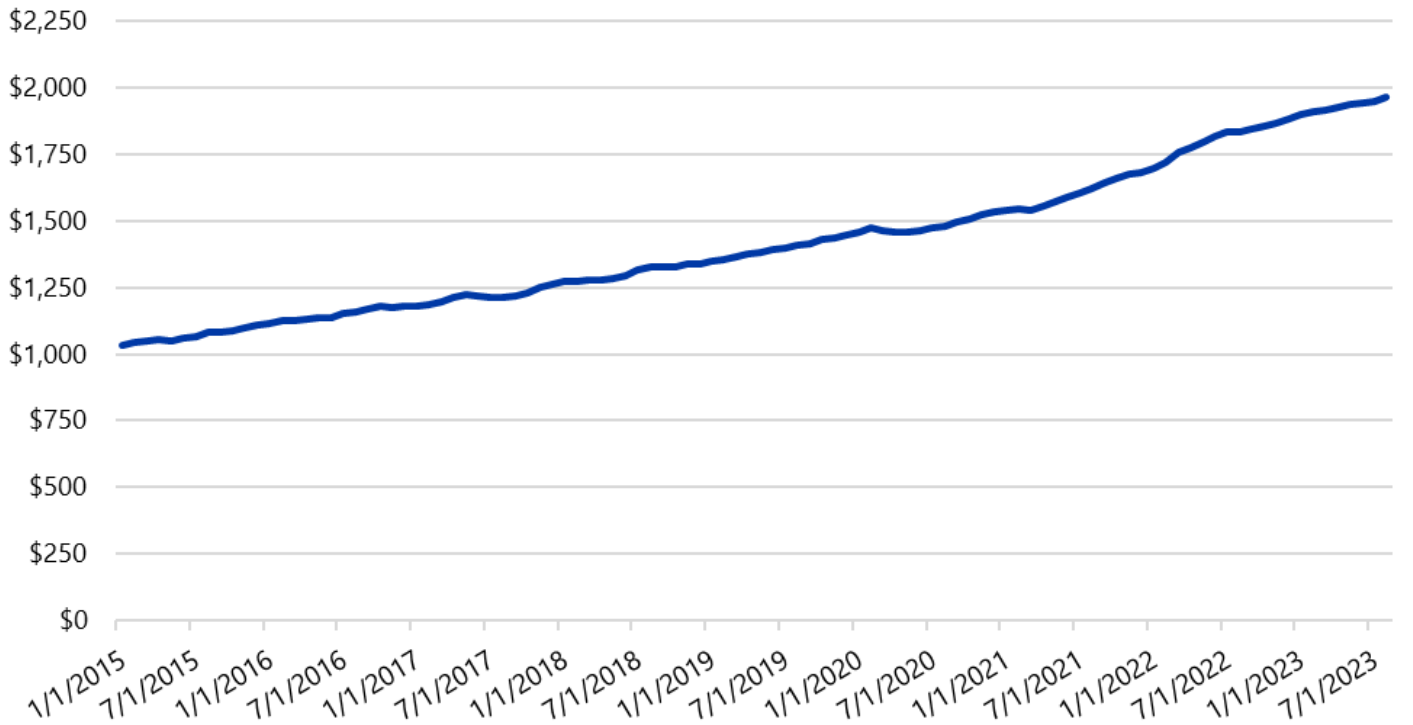


WORCESTER: TYPICAL HOME VALUE, 2000-2023



Source: Zillow Home Value Index (ZHVI)

WORCESTER: TYPICAL OBSERVED MARKET RATE RENT, 2015-2023



Source: Zillow Observed Rent Index (ZORI)



Annual Worcester County Homeless Point-In-Time Count, 2023					
	Sheltered			Unsheltered	Total
	Emergency Shelter	Transitional	Safe Haven		
Total Homeless	1213	244	13	137	1,607
Chronically Homeless	229		12	51	292
<i>Age</i>					
# under age 18	506	44	0	0	550
# ages 18-24	79	27	0	6	112
# ages 24 and older	628	173	13	131	945
<i>Gender</i>					
Female	572	96	2	49	719
Male	599	145	11	88	843
Transgender	41	2	0	0	43
Questioning	0	0	0	0	0
Gender that is not singularly 'Female' or 'Male' (e.g. non-binary, genderfluid, agender, culturally specific gender)	1	1	0	0	2
<i>Race</i>					
White	610	151	8	123	892
Black, African American, or African	502	59	4	9	574
Asian or Asian American	5	5	1	1	12
American Indian, Alaska Native, or Indigenous	4	4	0	4	12
Native Hawaiian or Other Pacific Islander	5	2	0	0	7
Multiple Races	87	23	0	0	110
<i>Ethnicity</i>					
Non-Hispanic/Non-Latin(a)(o)(x)	710	165	9	117	1,001
Hispanic/Latino(a)(o)(x)	503	79	4	20	606
Annual City of Worcester Point-In-Time Count					
Households With Children	717	75	-	-	792
Households Without Children	245	144	13	51	453

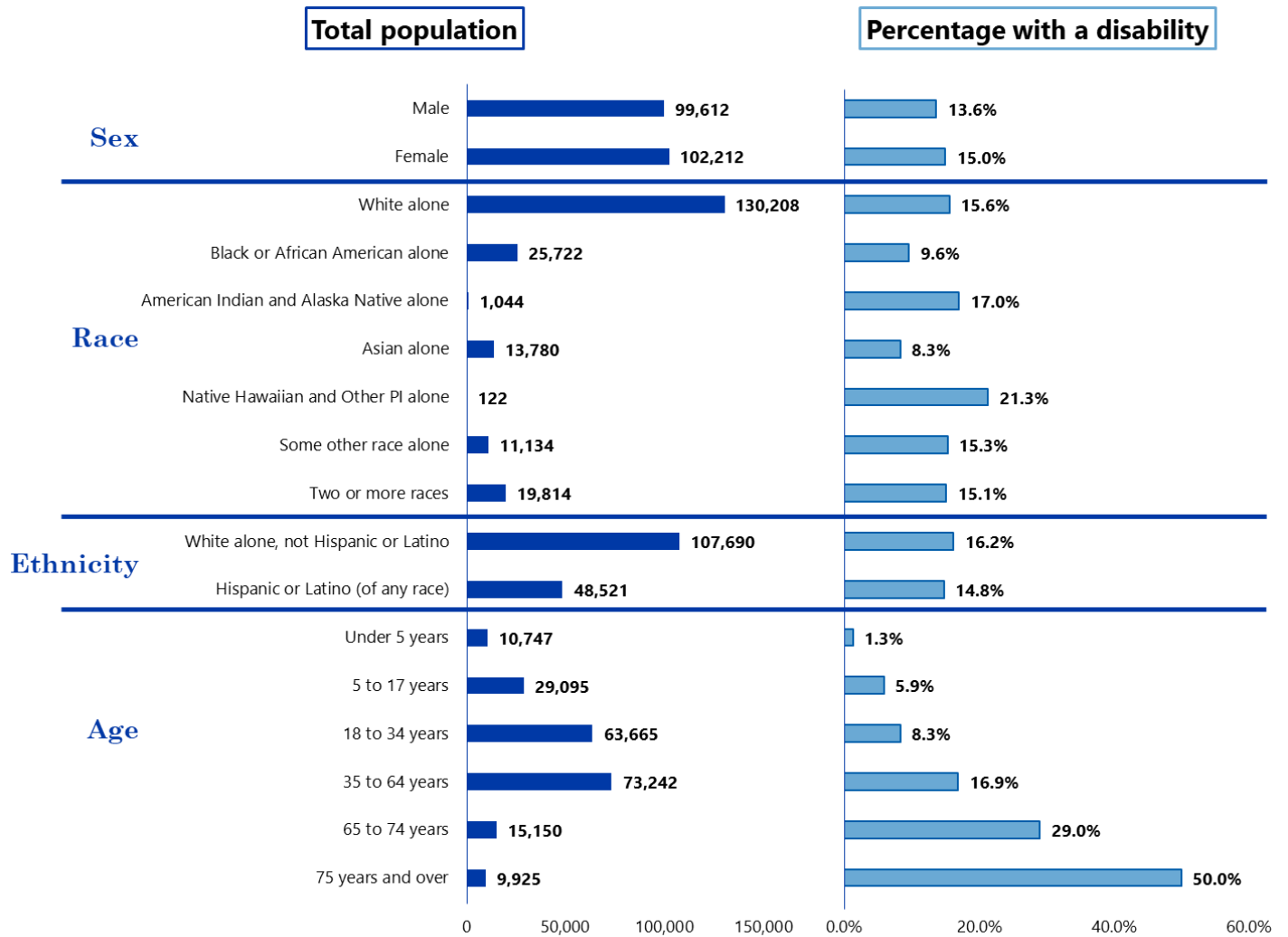
Source: Central Massachusetts Housing Alliance

Worcester: Veterans, 2021			
Number of Veterans	6,440	Period of Service	
Veterans as % of Population 18 and Older	3.9%	Gulf War (September 2001 or later)	1,415
% of Veterans - Male	90.5%	Gulf War (August 1990 to August 2001)	847
% of Veterans - Female	9.5%	Vietnam era	2,204
% of Veterans - 18 to 64	52.7%	Korean War	406
% of Veterans - 65 and older	47.3%	World War II	183
% of Veterans - Disabled	29.9%		
% of Veterans - Below the Poverty Line	11.3%		

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

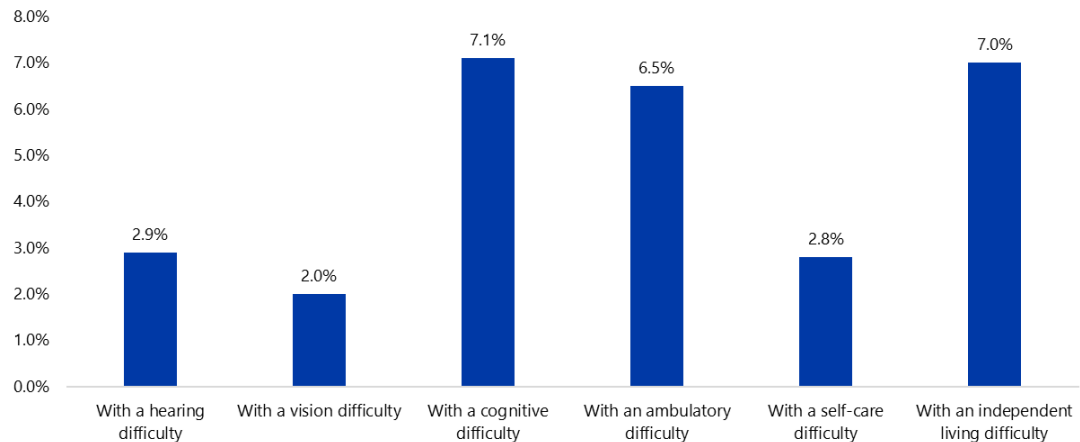


WORCESTER: DISABILITY BY SELECTED CHARACTERISTICS, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: DISABILITY, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



Worcester: Household Internet Access Details, 2021							
	Total	With a computer				No computer in household	% No computer in household
		Broadband Internet Subscription	% Broadband Internet Subscription	Without an Internet Subscription	% Without an Internet Subscription		
Total population in households	188,885	171,549	90.8%	7,977	4.2%	8,938	4.7%
Age							
Under 18 years	39,728	38,311	96.4%	1,099	2.8%	318	8.0%
18 to 64 years	124,350	115,526	92.9%	5,163	4.2%	3,423	2.8%
65 years and over	24,807	17,712	71.4%	1,715	6.9%	5,197	20.9%
Race							
White alone	119,649	107,193	89.6%	4,958	4.1%	7,252	6.1%
Black or African American alone	24,763	22,887	92.4%	1,250	5.0%	455	1.8%
American Indian and Alaska Native alone	1,017	881	86.6%	35	3.4%	101	9.9%
Asian alone	13,198	12,548	95.1%	475	3.6%	175	1.3%
Native Hawaiian and Other Pacific Islander alone	97	64	66.0%	33	3.4%	0	0.0%
Some other race alone	10,923	9,970	91.3%	502	4.6%	451	4.1%
Two or more races	19,238	18,006	93.6%	724	3.8%	504	2.6%
Ethnicity							
Hispanic or Latino origin (of any race)	47,517	42,759	90.0%	2,506	5.3%	2,252	4.7%
White alone, not Hispanic or Latino	97,672	87,831	89.9%	3,619	3.7%	5,976	6.1%
Educational Attainment							
Household population 25 years and over	129,889	114,740	88.3%	6,251	4.8%	8,597	6.6%
Less than high school graduate or equivalency	17,911	13,979	78.0%	1,307	7.3%	2,574	14.4%
High school graduate (includes equivalency), some college or associate's degree	69,463	60,823	87.6%	3,543	5.1%	5,017	7.2%
Bachelor's degree or higher	42,515	39,938	93.9%	1,401	3.3%	1,006	2.4%
Employment Status							
Civilian population 16 years and over	153,518	137,456	89.5%	6,996	4.6%	8,645	5.6%
In labor force	99,716	94,208	94.5%	3,703	3.7%	1,546	1.6%
Employed	93,492	88,345	94.5%	3,432	3.7%	1,456	1.6%
Unemployed	6,224	5,863	94.2%	271	4.4%	90	1.4%
Not in labor force	53,802	43,248	80.4%	3,293	6.1%	7,099	13.2%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



Worcester: Household Internet Access Metrics, 2021

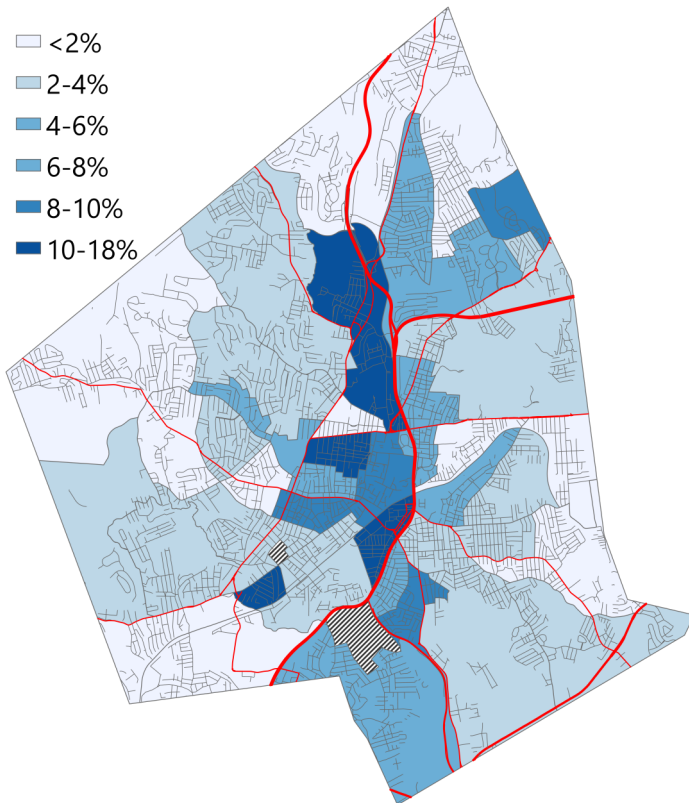
With an Internet Subscription	86.2%
Broadband of any type	85.9%
Cellular Data Plan	80.1%
Satellite Internet Service	2.8%
Dial-up with no other subscription	0.3%
No Internet Access	13.8%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Affordable Connectivity Program Enrollment as of...			Max Monthly Subsidy by Zip Code
Zip Code	Mar. 2022	Aug. 2023	
01602	738	1951	\$58,530
01603	1371	3006	\$90,180
01604	1962	4480	\$134,400
01605	2563	5030	\$150,900
01606	540	1420	\$42,600
01607	619	1417	\$42,510
01608	547	1134	\$34,020
01609	1257	2647	\$79,410
01610	2439	5035	\$151,050
01611	47	156	\$4,680
Total	12083	26276	\$788,280

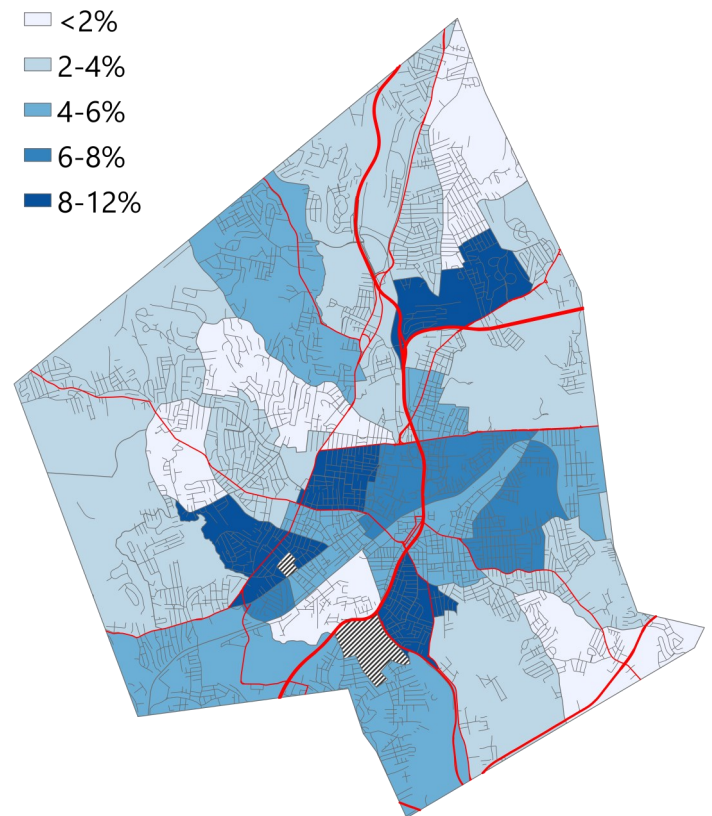
Source: Federal Communications Commission

WORCESTER: PERCENT WITH COMPUTER BUT NO INTERNET SUBSCRIPTION, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: PERCENT WITH NO COMPUTER, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



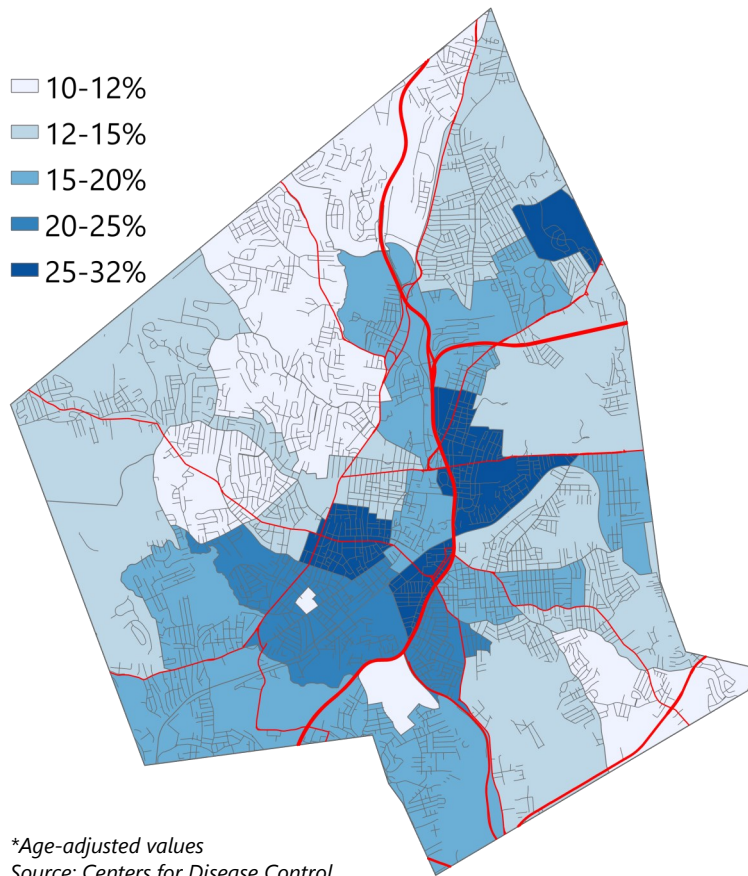
Worcester: Health Status Not Good (≥ 14 days), Among Adults (≥ 18)		
Year	Mental health	Physical health
2014	14.4%	13.2%
2015	14.7%	13.9%
2016	14.4%	13.4%
2017	15.4%	14.2%
2018	16.2%	14.3%
2019	16.0%	13.8%
2020	15.7%	10.4%
2021	18.7%	11.8%

**Age-adjusted values*
Source: Centers for Disease Control

Worcester: Health Risk Behaviors Amongst Adults (≥ 18)				
Year	No Leisure Time Physical Activity	Binge Drinking	Current Smoking	Sleeping Less than 7 Hours
2014	24.9%	16.0%	21.4%	40.4%
2015	32.4%	17.3%	22.1%	
2016	27.1%	17.6%	21.5%	38.6%
2017	28.8%	18.6%	19.4%	
2018	30.2%	17.8%	20.8%	41.1%
2019	32.1%	18.4%	18.3%	
2020	27.3%	15.9%	18.2%	35.4%
2021	26.3%	15.5%	17.1%	

**Age-adjusted values*
Source: Centers for Disease Control

WORCESTER: FAIR/POOR SELF-RATED HEALTH STATUS (≥ 18), 2021





Health Outcomes in Worcester 2013-2021										
Measure	Age Range	2013	2014	2015	2016	2017	2018	2019	2020	2021
All teeth lost	≥65		19.7%		19.0%		16.7%		16.1%	
Arthritis	≥18		25.7%	25.3%	25.5%	25.7%	25.3%	24.5%	26.2%	24.8%
Cancer (excluding skin cancer)	≥18		6.5%	6.2%	6.1%	6.2%	6.3%	6.6%	6.0%	6.3%
Chronic kidney disease	≥18		3.1%	2.8%	2.9%	3.1%	3.0%	2.9%	2.9%	3%
Chronic obstructive pulmonary disease	≥18		7.5%	7.3%	7.0%	7.0%	6.5%	6.8%	6.4%	7.2%
Coronary heart disease	≥18		6.4%	6.2%	6.3%	5.8%	6.4%	6.1%	6.0%	5.6%
Current asthma	≥18		12.1%	10.6%	11.4%	11.5%	10.9%	11.5%	11.5%	12.6%
Depression	≥18							21.1%	19.6%	23.1%
Diagnosed diabetes	≥18		10.8%	10.1%	10.6%	10.4%	10.5%	10.0%	10.2%	10.6%
High blood pressure	≥18	30.3%		31.9%		30.6%		30.3%		29%
High cholesterol (screened in the past 5 years)	≥18	33.9%		32.6%		29.6%		28.1%		29.8%
Obesity	≥18		31.1%	30.9%	29.7%	31.4%	35.0%	34.6%	33.5%	34.8%
Stroke	≥18		2.9%	3.1%	3.2%	3.1%	3.2%	3.2%	3.0%	3%

*Age-adjusted values

Source: Centers for Disease Control

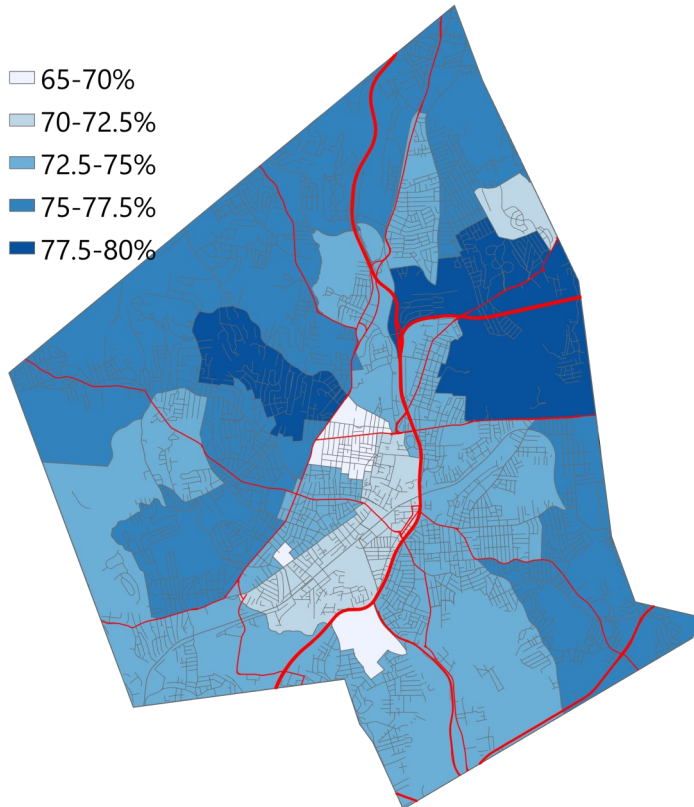
Health Prevention Metrics in Worcester: 2013-2021										
Measure	Age Range	2013	2014	2015	2016	2017	2018	2019	2020	2021
Cervical cancer screening among adult women	21-65						85.8%		82.7%	
Cholesterol screening	≥18	78.7%		76.4%		84.4%*		86.2%		84.5%
Current lack of health insurance	18-64		11.2%	11.8%	11%	11.4%	13.3%	13.7%	10.5%	8.3%
Fecal occult blood test, sigmoidoscopy, or colonoscopy	50-75		66.9%		66%		64.9%		79.9%	
Mammography use among women aged 50-74 Years	50-74		84.7%		76%		78.6%		78.9%	
Older Adult Men: Flu shot past year, PPV shot ever, Colorectal cancer screening	≥65		29.8%		31.3%		31.3%		52.3%	
Older Adult Women: Flu shot past year, PPV shot ever, Colorectal cancer screening, and Mammogram past 2 years	≥65		28.7%		29%		26%		45.4%	
Papanicolaou smear use among adult women	21-65		85.4%		79.8%					
Taking medicine for high blood pressure control among adults with high blood pressure	≥18	59.8%		61.2%		59.5%		58.9%		58.2%
Visits to dentist or dental clinic among adults	≥18		62.7%		61.2%		65.5%		64.9%	
Visits to doctor for routine checkup within the past year among adults	≥18		77.4%	76.6%	78%	76.4%	77.5%	78.8%	79.8%	74.9%

*Age-adjusted values

Source: Centers for Disease Control

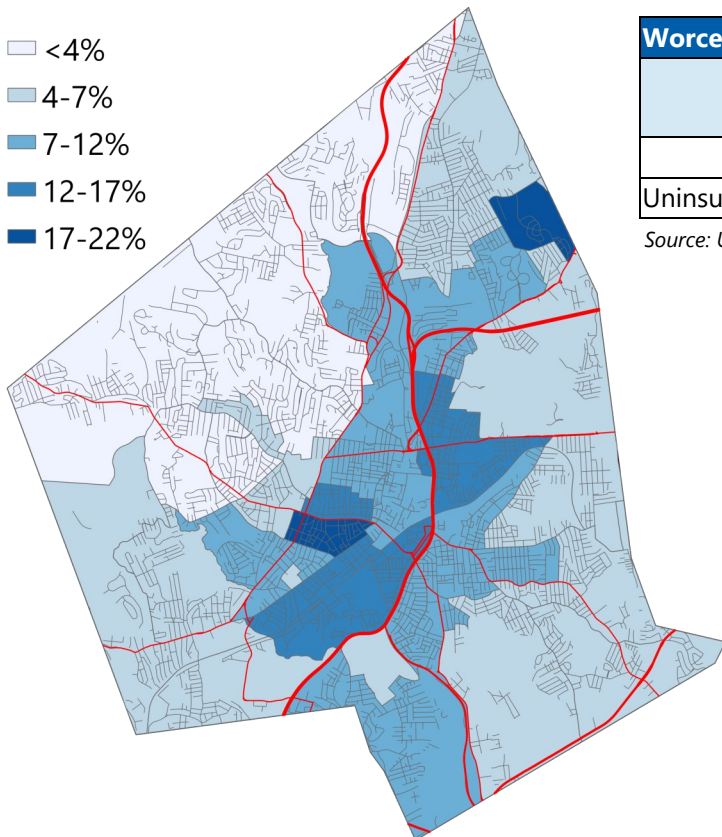


WORCESTER: VISITS TO DOCTOR FOR ROUTINE CHECK-UP IN PAST YEAR (≥18), 2021



Source: Centers for Disease Control

WORCESTER: LACK OF HEALTH INSURANCE (18-64), 2021



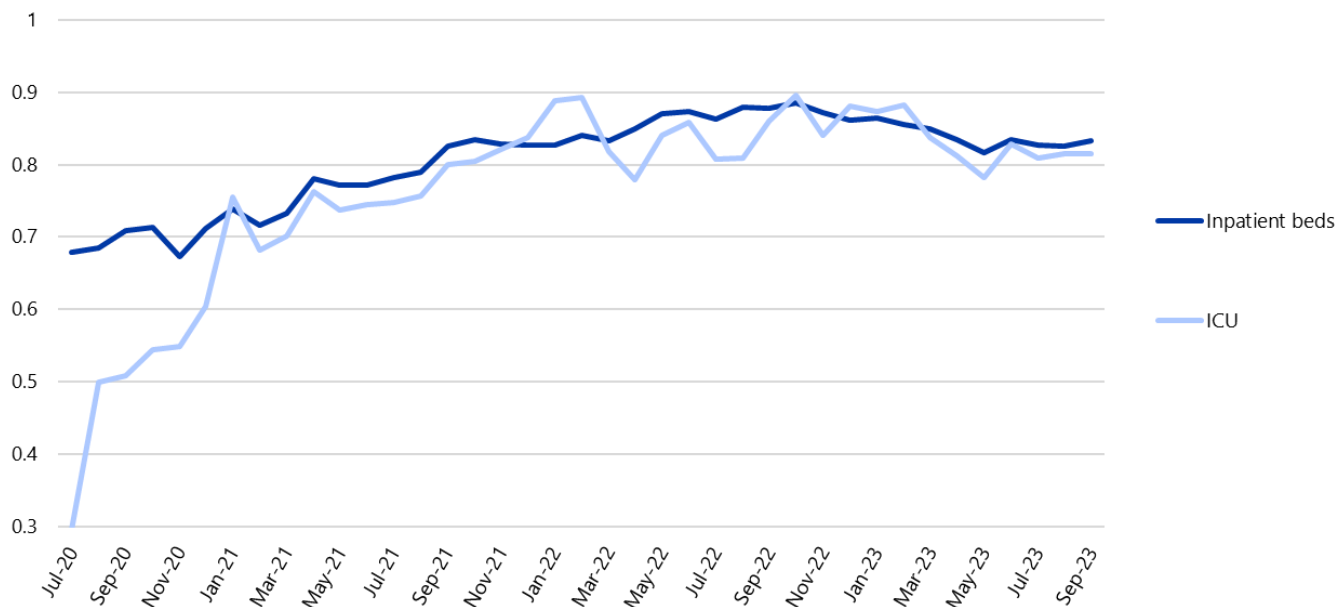
Worcester: Uninsured, 2021						
	Worcester City		Worcester County		Massachusetts	
	Number	Percent	Number	Percent	Number	Percent
Uninsured	6,017	3.0%	20,285	2.4%	192,326	2.8%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

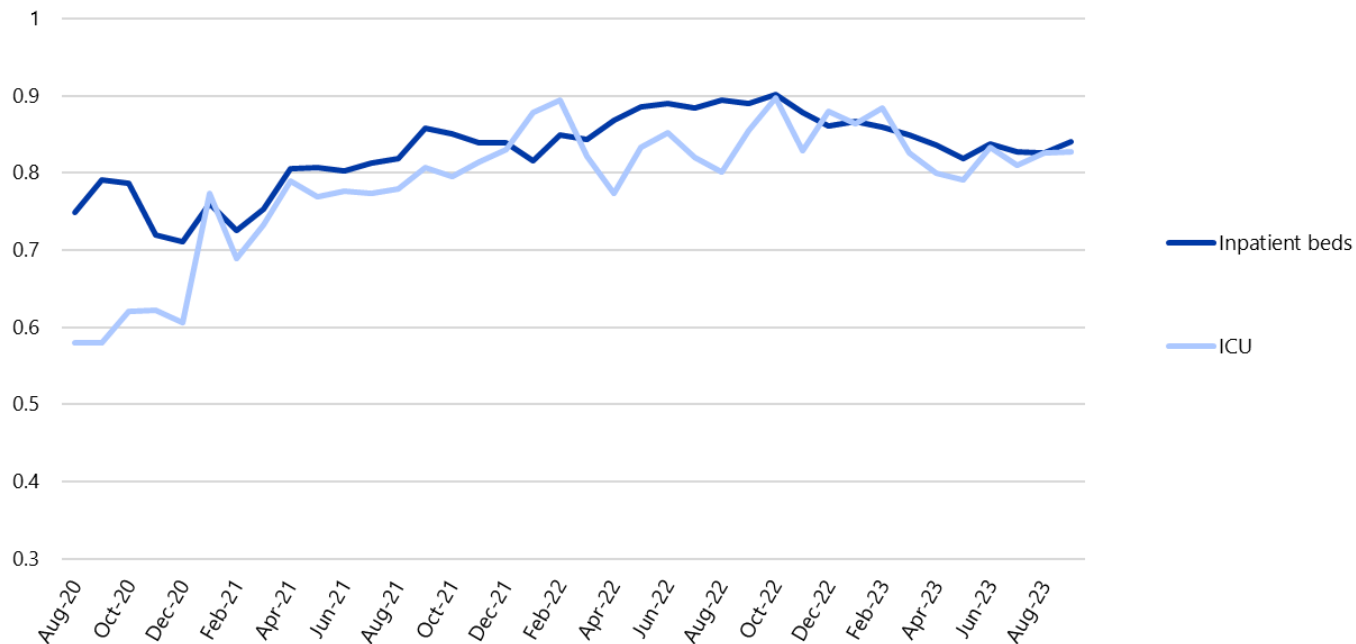


WORCESTER COUNTY: INPATIENT AND ICU BEDS OCCUPANCY, 2020-2023



Source: Centers for Disease Control

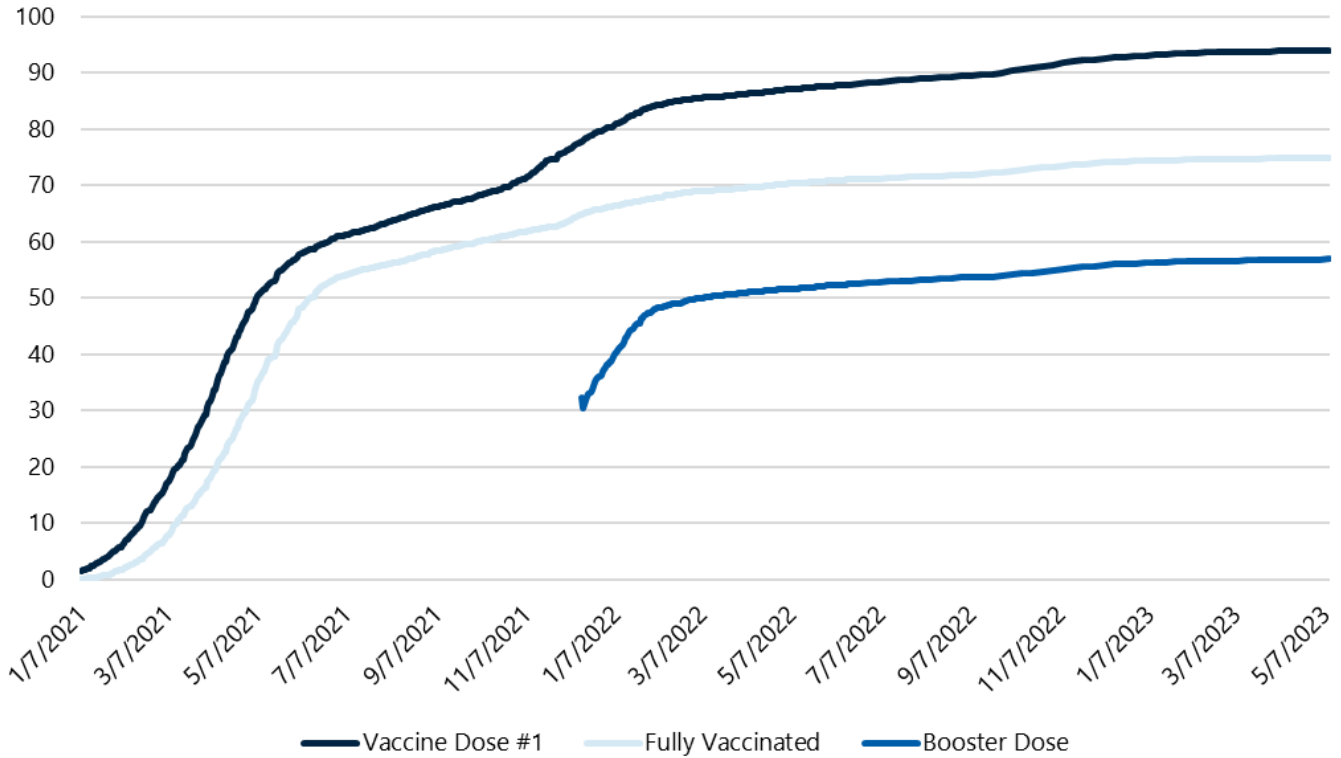
WORCESTER: INPATIENT AND ICU BEDS OCCUPANCY, 2020-2023



Source: Centers for Disease Control

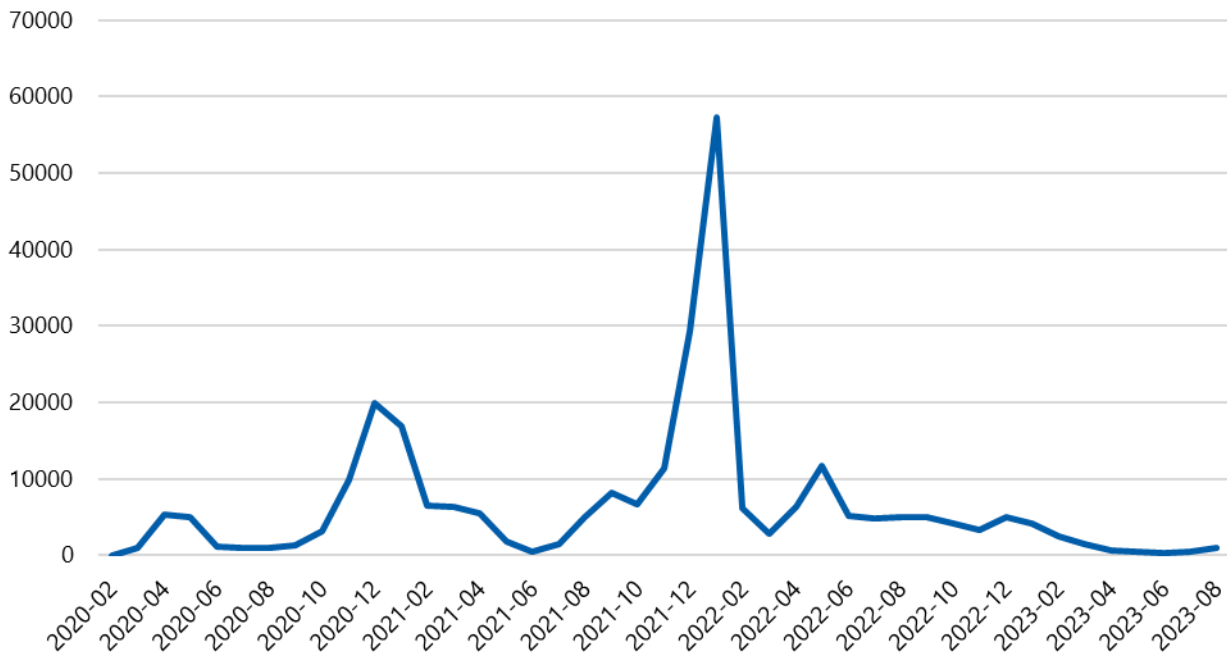


WORCESTER COUNTY: PERCENT VACCINATED FOR COVID-19, 2021-2023



Source: Centers for Disease Control

WORCESTER COUNTY: COVID-19 CASES, 2020-2023



Source: Centers for Disease Control



Greater Worcester: Confirmed Opioid Related Overdose Deaths (by town of residence for deceased)								
	2015	2016	2017	2018	2019	2020	2021	2022
Auburn	4	2	4	6	4	3	4	8
Boylston	2	0	1	1	1	1	1	0
Grafton	2	1	0	3	6	2	3	3
Holden	4	5	1	3	1	2	3	3
Leicester	2	2	4	6	4	5	3	3
Millbury	4	4	7	7	8	6	2	4
Paxton	1	0	0	1	1	2	1	1
Shrewsbury	2	7	8	7	6	4	3	6
West Boylston	0	1	3	4	2	1	1	1
Worcester	84	77	86	99	81	103	105	140
Total	105	99	114	137	114	129	126	169

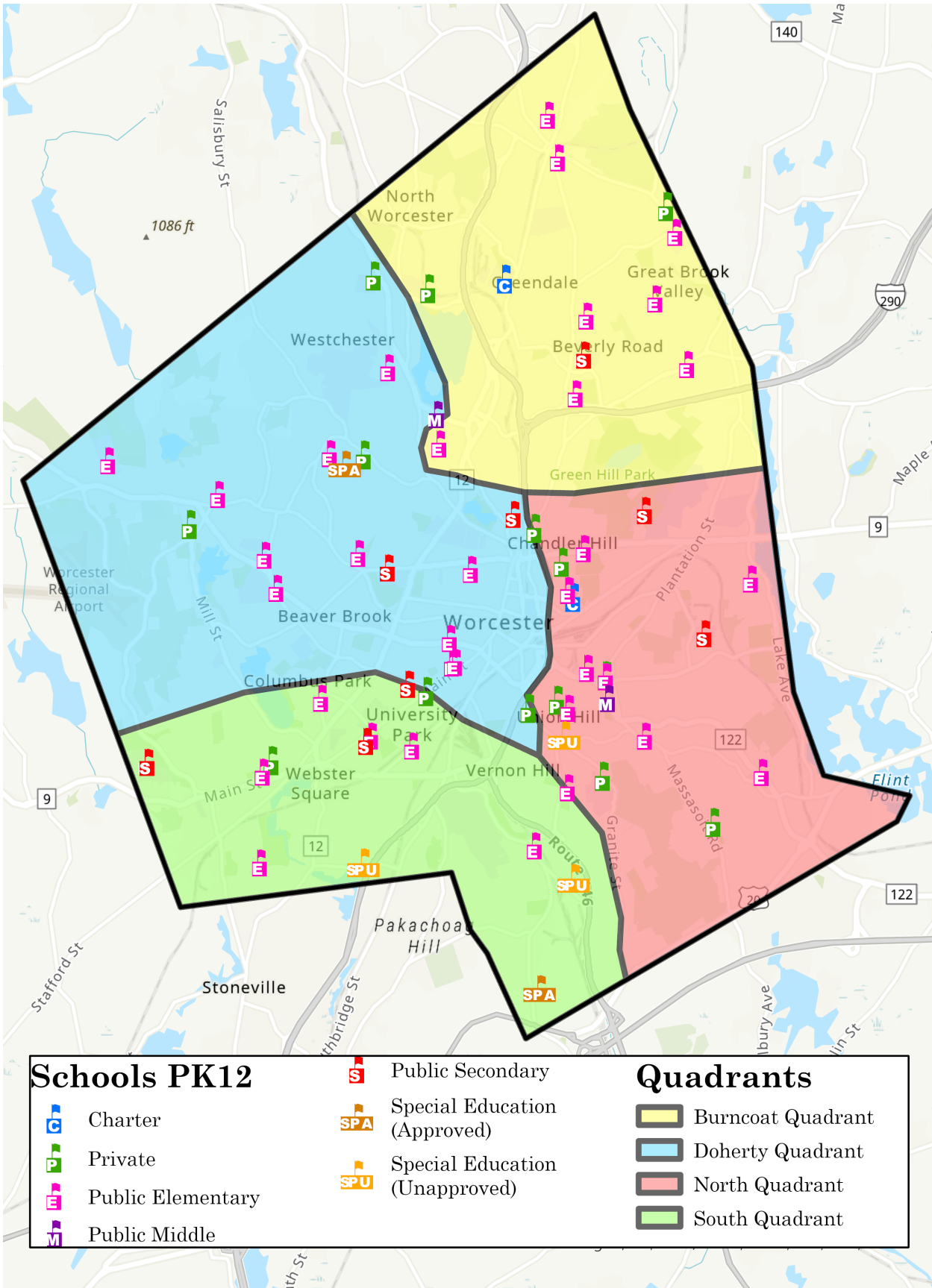
Source: Massachusetts Department of Public Health

Greater Worcester: Confirmed Opioid Related Overdose Deaths (by location of death occurrence)								
	2015	2016	2017	2018	2019	2020	2021	2022
Auburn	1	0	1	1	0	2	3	6
Boylston	1	0	0	0	0	0	1	0
Grafton	2	0	0	2	3	0	1	2
Holden	1	2	0	1	2	1	1	1
Leicester	1	1	2	2	1	2	2	2
Millbury	1	3	2	3	4	3	2	0
Paxton	0	0	0	0	1	2	0	1
Shrewsbury	1	3	7	5	2	5	7	3
West Boylston	0	2	2	1	2	0	1	1
Worcester	122	112	123	135	144	132	123	168
Total	130	123	137	150	159	147	141	184

Source: Massachusetts Department of Public Health

Worcester: National Institutes of Health Funding, FY2022		
CG Scientific, Inc.	1	\$740,395
Clark University (Worcester, Ma)	1	\$450,900
Enrich Therapeutics, Inc.	1	\$399,761
Microbiotix, Inc	5	\$2,595,825
Mustang Bio, Inc.	1	\$999,336
University Of Massachusetts Medical School Worcester	349	\$179,947,334
Worcester Polytechnic Institute	15	\$4,594,495
Total	373 awards	\$189,728,046

Source: National Institutes of Health

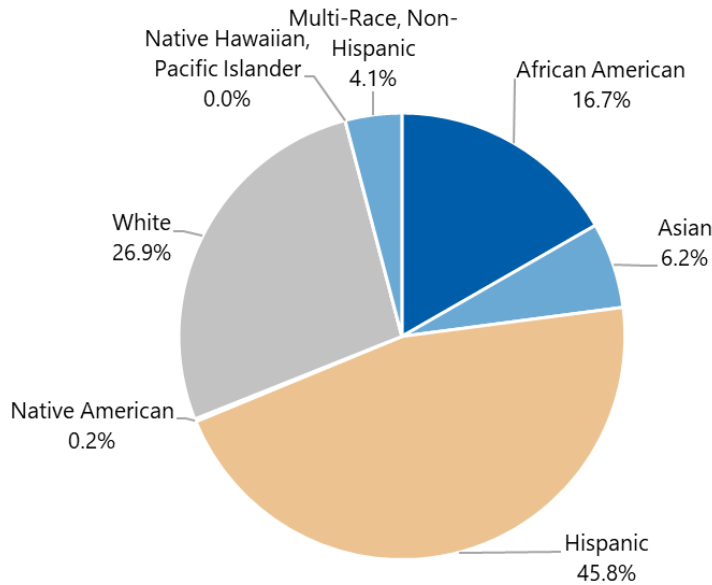


Source: MassGIS (Bureau of Geographic Information)



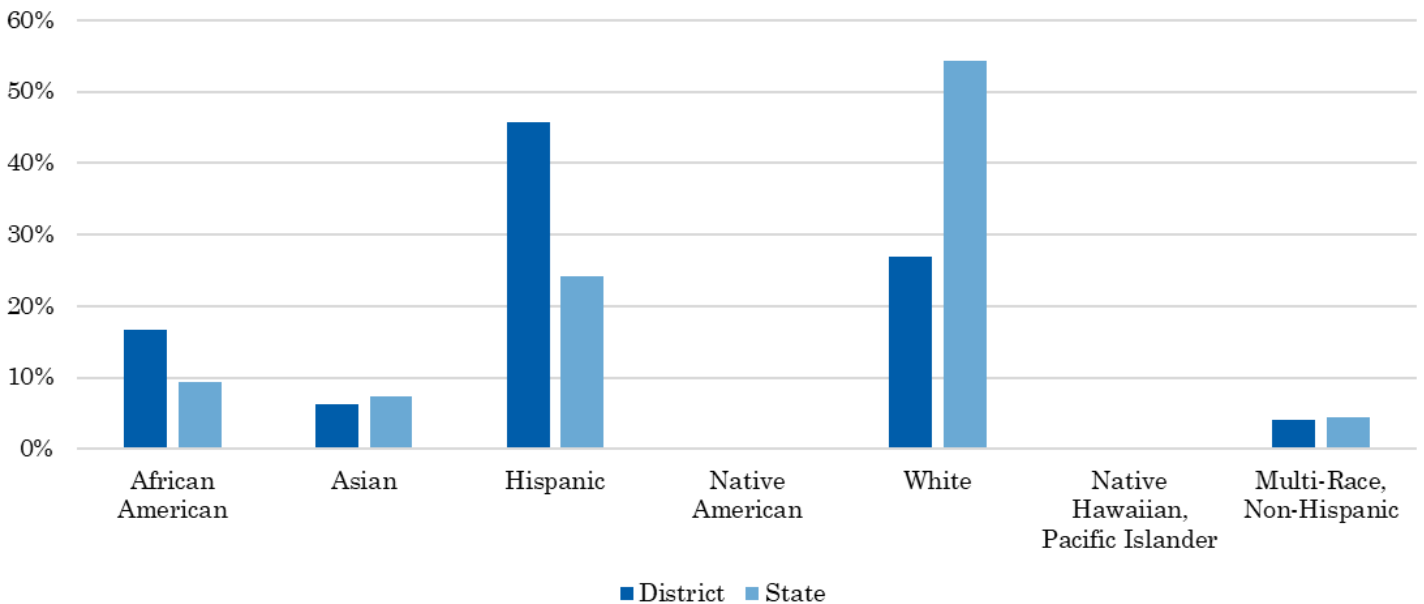
Worcester Public Schools: 2022-2023		
	Number of Schools	Number of Students
Elementary Schools	34	12,988
Middle Schools 6-8	1	827
Middle Schools 7-8	3	2,349
Grade 7-12 Schools	2	712
High Schools	5	7,035
Head Start Program	1	407
<i>Total</i>	46	24,318

WORCESTER PUBLIC SCHOOLS: ENROLLMENT BY RACE/ETHNICITY, 2022-2023



Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: ENROLLMENT BY RACE/ETHNICITY COMPARED TO STATE, 2022-2023



Source: Massachusetts Department of Elementary & Secondary Education



WORCESTER PUBLIC SCHOOLS: ENROLLMENT BY SCHOOL, 2022-2023

	Number of Students
Head Start	407
Elementary Schools	
Belmont Street Community	585
Burncoat Street	240
Canterbury	294
Chandler Elementary Community	426
Chandler Magnet	402
City View	430
Clark St Community	268
Columbus Park	386
Elm Park Community	415
Flagg Street	359
Francis J McGrath Elementary	208
Gates Lane	544
Goddard School/Science Technical	380
Grafton Street	427
Heard Street	246
Jacob Hiatt Magnet	372
La Familia Dual Language School	172
Lake View	308
Lincoln Street	242
May Street	295
Midland Street	206
Nelson Place	575
Norrback Avenue	507
Quinsigamond	713
Rice Square	458
Roosevelt	566
Tatnuck	385
Thorndyke Road	363
Union Hill School	390
Vernon Hill School	474
Wawecus Road School	133
West Tatnuck	364
Woodland Academy	487
Worcester Arts Magnet School	368
<i>Total Elementary School Students</i>	<i>12,988</i>

Middle Schools

Burncoat Middle School	712
Forest Grove Middle	897
Sullivan Middle	827
Worcester East Middle	740
<i>Total Middle School Students</i>	<i>3,176</i>

Grades 7-12 Schools

Claremont Academy	488
University Pk Campus School	224
<i>Total Middle School Students</i>	<i>712</i>

High Schools

Burncoat Senior High	1,179
Doherty Memorial High	1,344
North High	1,377
South High Community	1,666
Worcester Technical High	1,469
<i>Total High School Students</i>	<i>7,035</i>

Total Number of Students in WPS 24,318

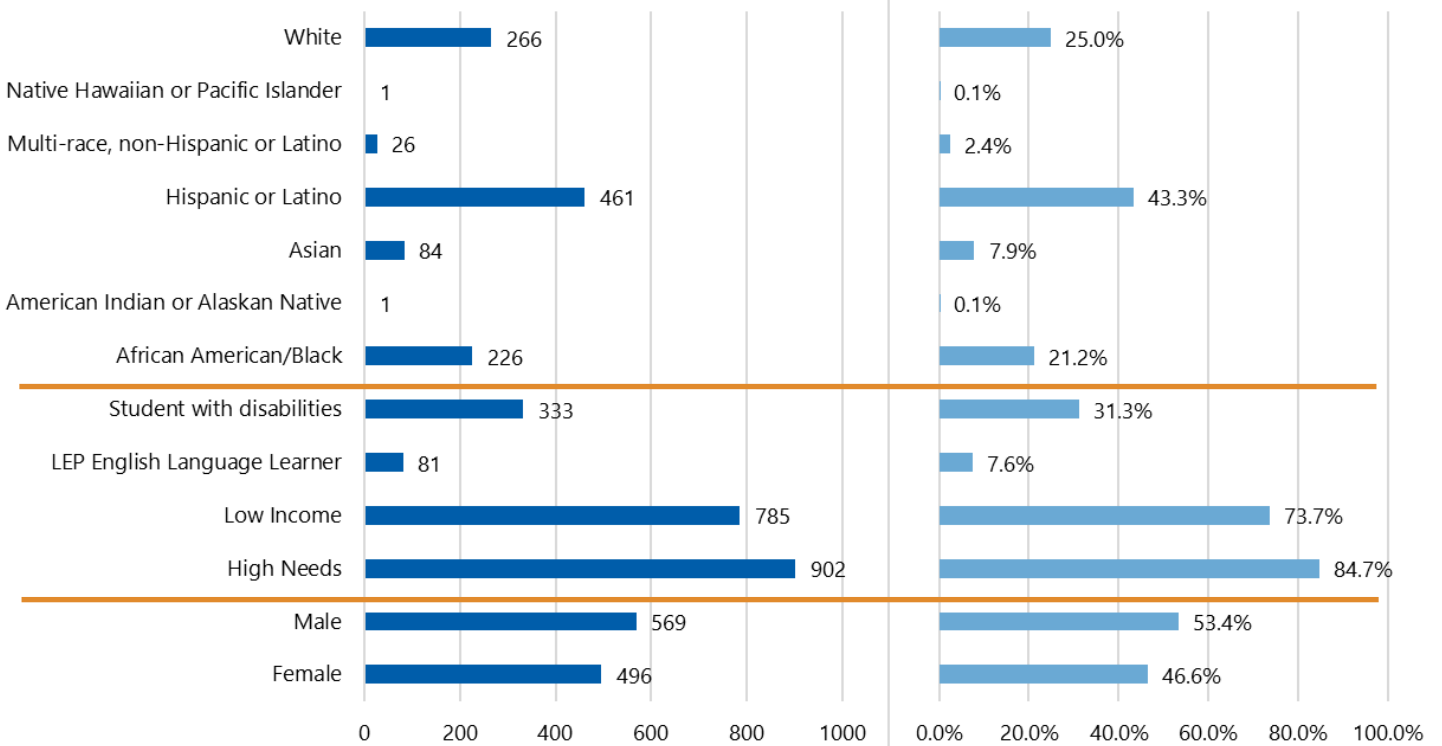
Source: Massachusetts Department of Elementary & Secondary Education

Worcester: Private Schools, 2023	
Alhuda Academy (Pre-K - 8)	
Bancroft School (Pre-K - 12)	
Happy Day Child Care Center (Pre-K - 3)	
Notre Dame Academy (7 - 12)	
Our Lady of the Angels School (Pre-K - 8)	
Saint Paul Diocesan Junior/Senior High School (7-12)	
Saint Peter Central Catholic School (Pre-K - 8)	
The Nativity School of Worcester (5 - 8)	
Venerini Academy Elementary School (Pre-K - 8)	
Worcester Academy (6 - 12+)	
Worcester Seventh Day Adventist School (1 - 8)	
Worcester: Charter Schools, 2023	
Abby Kelley Foster Charter Public School (K - 12)	
Learning First Charter Public School (K - 8)	
Worcester Cultural Academy Charter Public School (K - 4)	
Worcester: Independent Public Schools, 2023	
Massachusetts Academy of Math and Science (11 - 12)	

Source: Massachusetts Department of Elementary & Secondary Education

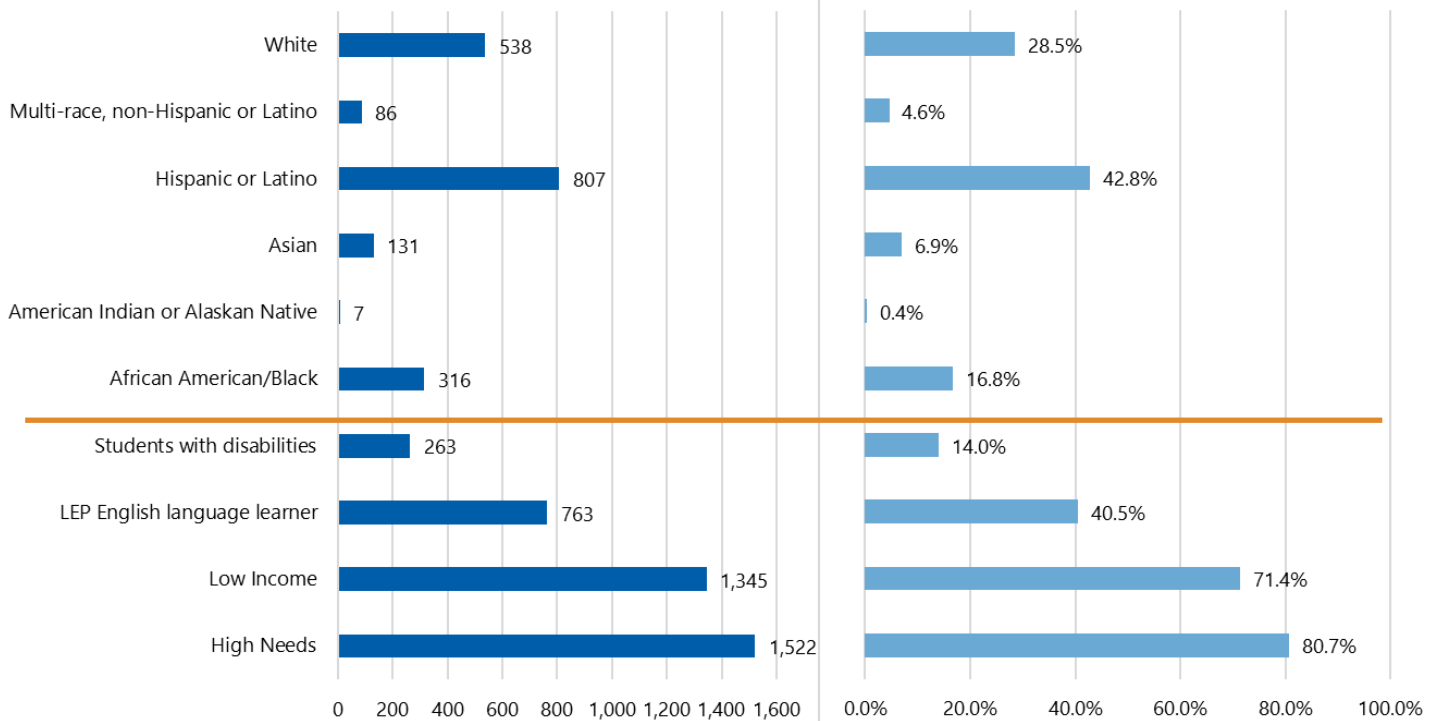


WORCESTER PUBLIC SCHOOLS: PRE-K ENROLLMENT BY SELECTED CHARACTERISTICS, 2022-2023



Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: KINDERGARTEN ENROLLMENT BY SELECTED CHARACTERISTICS, 2022-2023



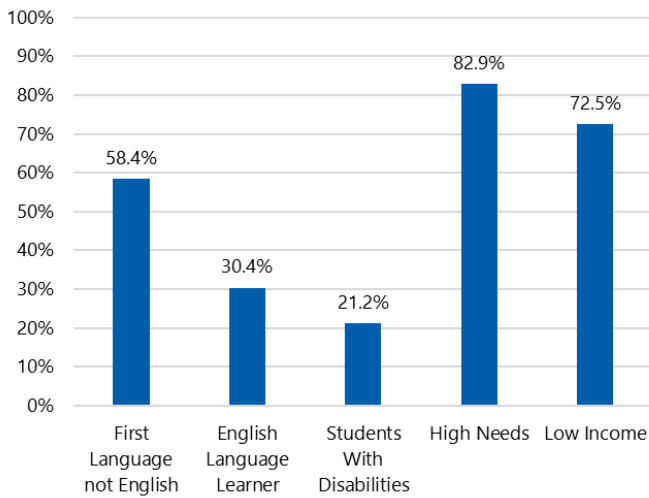
Source: Massachusetts Department of Elementary & Secondary Education



Worcester Public Schools: Indicators 2021 - 2022	
Grade 9-12 Drop Out Rate	2.1%
Retention Rate	1.4%
Attendance Rate	91.2%
Average Number of Days Absent	14.9
Percent of Students with Unexcused Absences Greater than 9 Days	46.4%

Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: SELECTED POPULATIONS, 2022-2023



The “First Language Not English” category includes individuals who learned English after learning another language and does not address the individual’s proficiency with English itself. “English Language Learner” identifies individuals who struggle to complete normal classwork in English.

Source: Massachusetts Department of Elementary & Secondary Education

Worcester Public Schools: 4-Year Graduation Rate for 2022 Cohort					
Student Group	Percent Graduated	Percent Still in School	Percent Non-Grad Completers	Percent High School Equivalent	Percent Dropped Out
Male	85.6	5.6	0.9	0.5	7.3
Female	90.1	3.8	0.5	0.3	5.3
EL	79.7	6.0	2.0	0.2	12.1
Low income	86.5	5.2	0.8	0.5	6.9
High needs	86.1	5.4	0.8	0.5	7.2
Students w/ disabilities	72.3	15.4	2.1	1.0	9.2
Afr. Amer./Black	89.5	5.4	1.0	0.3	3.7
Asian	95.5	1.9	0.6	0.0	1.9
Hispanic/Latino	84.2	5.2	1.1	0.4	9.2
Amer. Ind. or Alaska Nat.	-	-	-	-	-
White	90.6	4.5	0.0	0.4	4.5
Nat. Haw. or Pacif. Isl.	-	-	-	-	-
Multi-race, Non-Hisp./Lat.	84.9	4.1	0.0	2.7	8.2

Source: Massachusetts Department of Elementary & Secondary Education

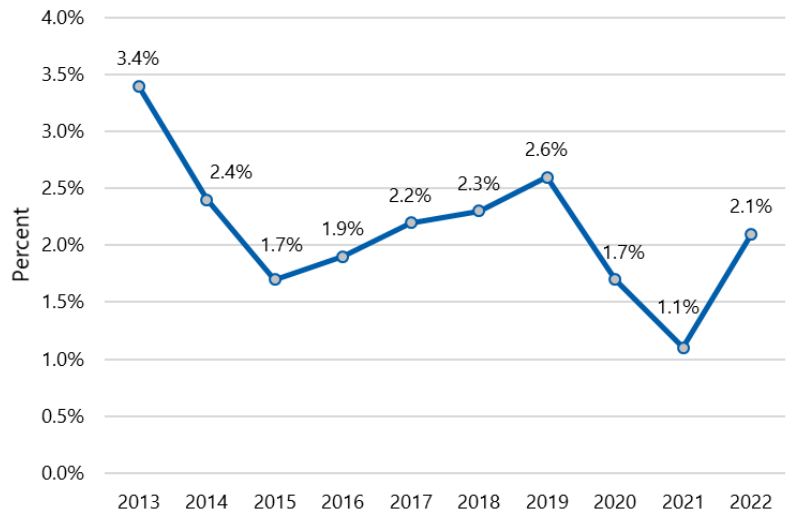


Worcester Public Schools: Grades 9-12 Drop-Out Rates by selected characteristics, 2021-22

All Student	2.1
Female	1.8
Male	2.5
Low Income	2.5
High Needs	2.5
LEP English language learner	4.6
Students with disabilities	3.5
African American/Black	1.1
American Indian or Alaskan Native	9.1
Asian	1
Hispanic or Latino	3
Multi-race, non-Hispanic or Latino	2.9
Native Hawaiian or Pacific Islander	N/A
White	1.6

Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: GRADES 9-12 DROP-OUT RATES, 2013-2022



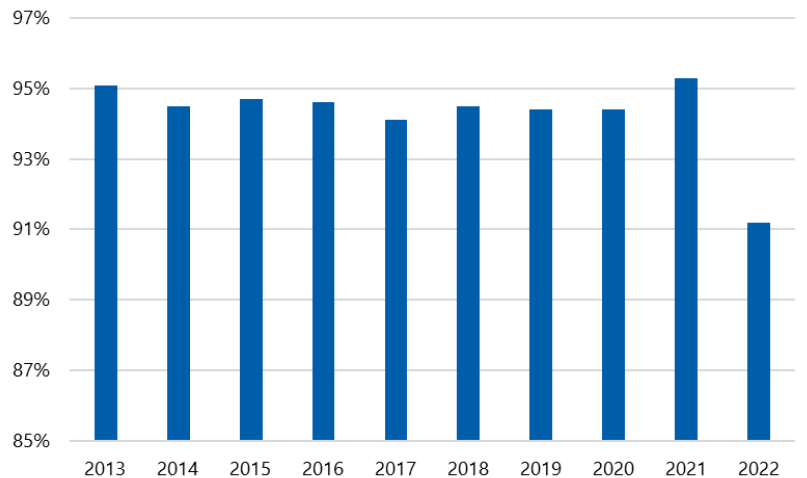
Source: Massachusetts Department of Elementary & Secondary Education

Worcester Public Schools: Chronically Absent (10% or more) by Selected Characteristics, 2021 - 2022

All Student	30.1
Female	30
Male	30.2
Low Income	34.3
High Needs	32.8
LEP English language learner	34.2
Students with disabilities	35.6
African American/Black	19.8
American Indian or Alaskan Native	35.3
Asian	16.9
Hispanic or Latino	38.1
Multi-race, non-Hispanic or Latino	29.3
Native Hawaiian or Pacific Islander	N/A
White	26.2

Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: GRADES 9-12 ATTENDANCE RATES, 2013-2022



Source: Massachusetts Department of Elementary & Secondary Education

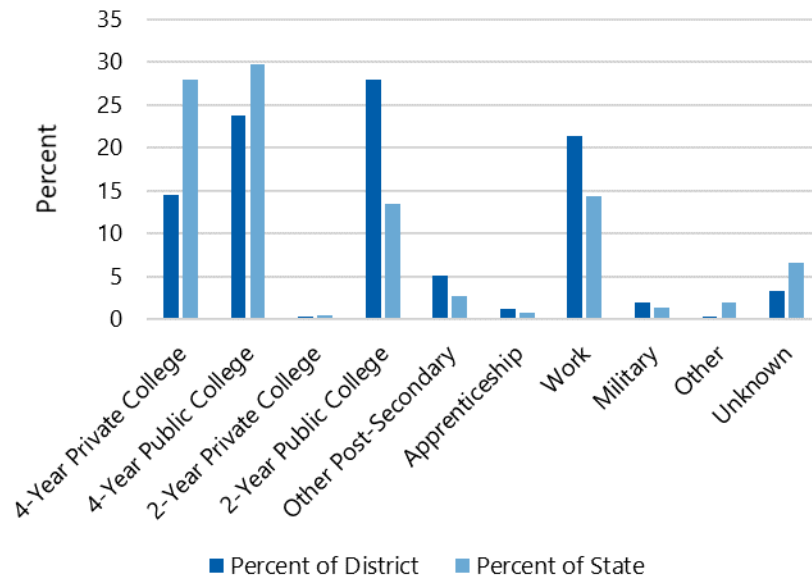
Worcester Public Schools: Elementary Class Size, FY24

	Number of Classrooms
Fewer than 23 students	470
23-26 Students	125
27-30 Students	9
31 or more Students	0
Total	604

Source: Massachusetts Department of Elementary & Secondary Education

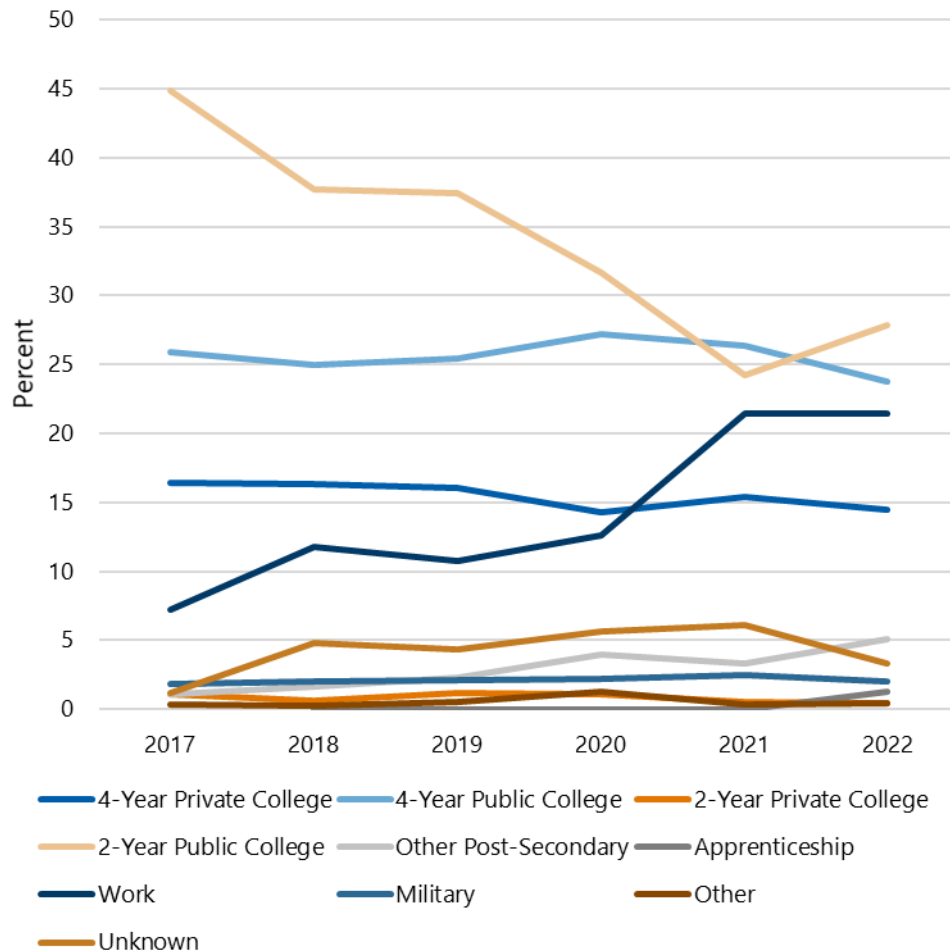


WORCESTER PUBLIC SCHOOLS: PLANS OF HIGH SCHOOL GRADUATES, 2021-2022



Source: Massachusetts Department of Elementary & Secondary Education

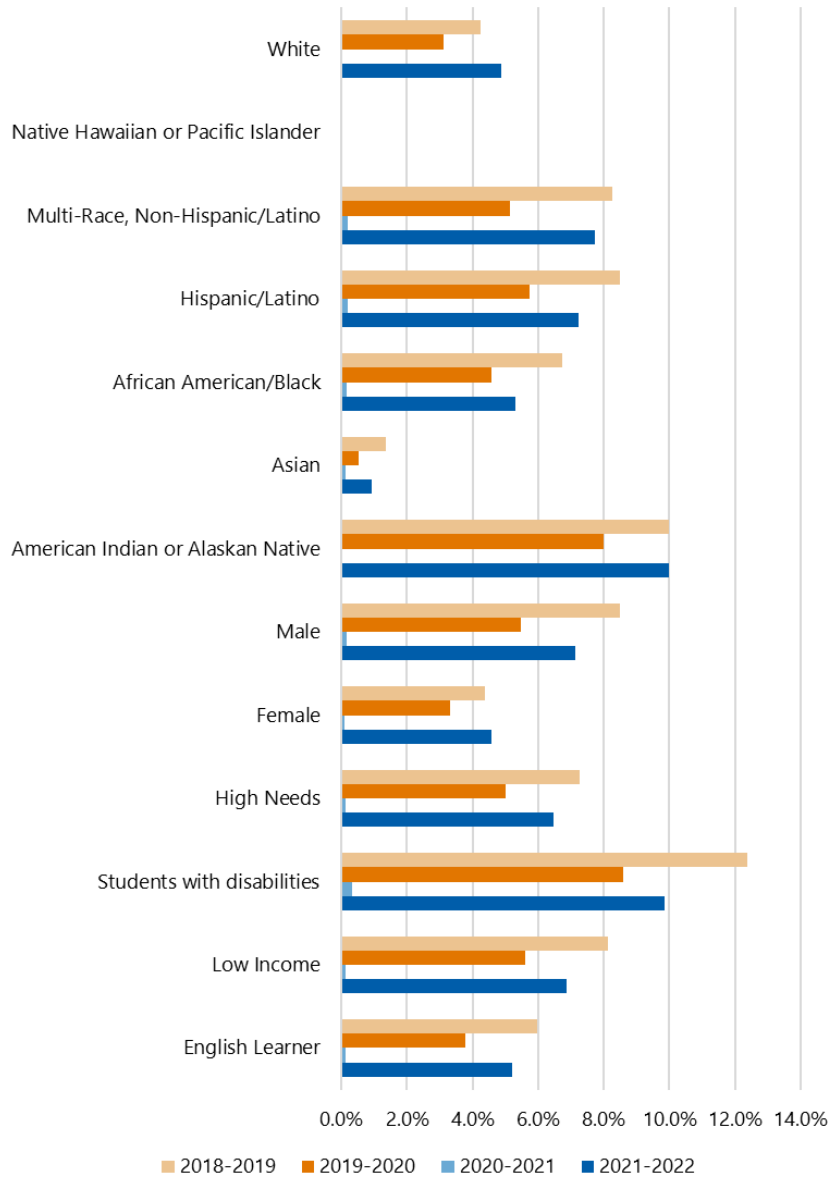
WORCESTER PUBLIC SCHOOLS: PLANS OF HIGH SCHOOL GRADUATES, 2017-2022



Source: Massachusetts Department of Elementary & Secondary Education



WORCESTER PUBLIC SCHOOLS: PERCENT DISCIPLINE BY STUDENT GROUP, 2017-2022



Source: Massachusetts Department of Elementary & Secondary Education

Worcester Public Schools Student Discipline Data Report (All Offenses), 2021-2022			
Student Group	Number of Students	Student Disciplined	Percent of Student Group
English Learner	8,203	428	5.2%
Low Income	19,936	1369	6.9%
Students with disabilities	5,519	544	9.9%
High Needs	22,168	1436	6.5%
Female	12,496	571	4.6%
Male	13,196	942	7.1%
American Indian or Alaskan Native	50	5	10.0%
Asian	1,625	15	0.9%
African American/Black	4,364	232	5.3%
Hispanic/Latino	11,600	838	7.2%
Multi-Race, Non-Hispanic/Latino	1,075	83	7.7%
Native Hawaiian or Pacific Islander	5	0	0.0%
White	6,977	340	4.9%

Source: Massachusetts Department of Elementary & Secondary Education



Worcester Public Schools: Staffing by Gender, 2022-23

	Worcester		State	
	Number	Percent	Number	Percent
Males	760.1	20.2%	29,731.8	20.6%
Females	3,005.1	79.8%	114,924.5	79.4%

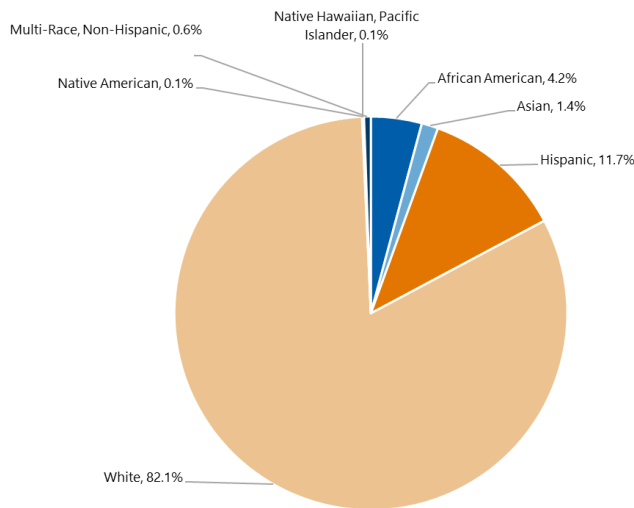
Source: Massachusetts Department of Elementary & Secondary Education

Worcester Public Schools: Teacher Data, 2022-23

	Worcester	State
Total Number of Teachers - Full Time Equivalent	1715.9	76,977.6
Student-Teacher Ratio	14.2	11.9
% of Teachers Licensed	97.6	97.1
Teacher by Program Area		
General Education	1,304.1	63,536.7
Special Education	187.5	9,151.8
Career Vocational Technical	51.6	2,068.8
English Language Learner	172.7	2,220.3

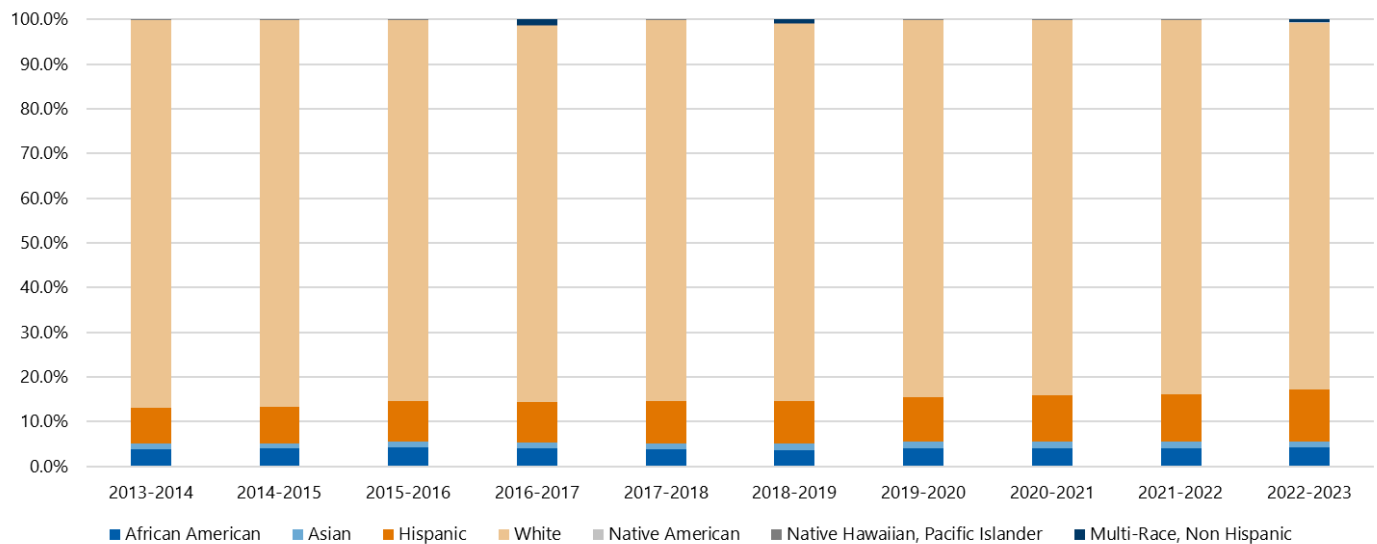
Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: STAFFING BY RACE, 2021-2022



Source: Massachusetts Department of Elementary & Secondary Education

WORCESTER PUBLIC SCHOOLS: STAFFING BY RACE, 2013-2023



Source: Massachusetts Department of Elementary & Secondary Education



Worcester Public Schools: Next Generation MCAS Tests 2022								
Grade and Subject	Percent Exceeding Expectations		Percent Meeting Expectations		Percent Partially Meeting Expectations		Percent Not Meeting Expectations	
	WPS	State	WPS	State	WPS	State	WPS	State
Grade 03 - English Language Arts	3	6	23	38	48	41	27	15
Grade 03 - Mathematics	2	6	23	35	41	39	34	20
Grade 04 - English Language Arts	2	4	22	34	50	46	27	16
Grade 04 - Mathematics	1	6	24	37	45	40	30	17
Grade 05 - English Language Arts	3	5	25	36	50	46	22	13
Grade 05 - Mathematics	1	4	19	32	53	48	27	16
Grade 05 - Science and Tech/Eng	2	7	23	36	47	40	28	18
Grade 06 - English Language Arts	4	8	27	33	37	36	32	22
Grade 06 - Mathematics	2	5	26	37	49	43	23	15
Grade 07 - English Language Arts	2	5	24	36	38	40	35	19
Grade 07 - Mathematics	3	7	17	31	43	44	38	19
Grade 08 - English Language Arts	4	7	24	35	41	40	31	18
Grade 08 - Mathematics	2	7	15	29	49	47	33	17
Grade 08 - Science and Tech/Eng	2	6	18	36	46	41	33	18
Grade 10 - English Language Arts	4	9	35	49	44	34	17	8
Grade 10 - Mathematics	3	11	24	38	49	40	24	10
Grade 10 - Science and Tech/Eng	3	9	22	38	44	40	31	14

*Grade 10 STE results are reported based on students' best performance on any STE test taken in grade 9 or grade 10; only students continuously enrolled in the state, district, or school from fall of grade 9 through spring of grade 10 are included in state, district, or school results.
Source: Massachusetts Department of Elementary & Secondary Education

Worcester Public Schools: SAT Performance Report, 2021-2022				Worcester Public Schools: Advanced Placement Performance, 2021-2022			
	Number of Test Takers	Average Reading Score	Average Math Score	Subject	Tests Taken	Percent Score 1-2	Percent Score 3-5
All Students	1,375	453	443	All Subjects	2,045	65.3%	34.7%
English Learner	227	367	365	Arts	41	56.1%	43.9%
Low Income	917	430	420	English Language Arts	297	60.9%	39.1%
Students w/ Disabilities	162	371	376	Foreign Languages	64	15.6%	84.4%
High Needs	989	428	419	History and Social Science	772	74.6%	25.4%
Female	711	462	442	Math & Computer Science	462	62.1%	37.9%
Male	664	444	443	Science and Technology	385	66.2%	33.8%
Asian	108	493	502	Capstone	24	12.5%	87.5%
Afr. Amer./Black	263	444	429	Source: Massachusetts Department of Elementary & Secondary Education			
Hispanic/Latino	559	418	411				
Multi-race, Non-Hisp./Lat.	45	508	485				
White	400	491	475				

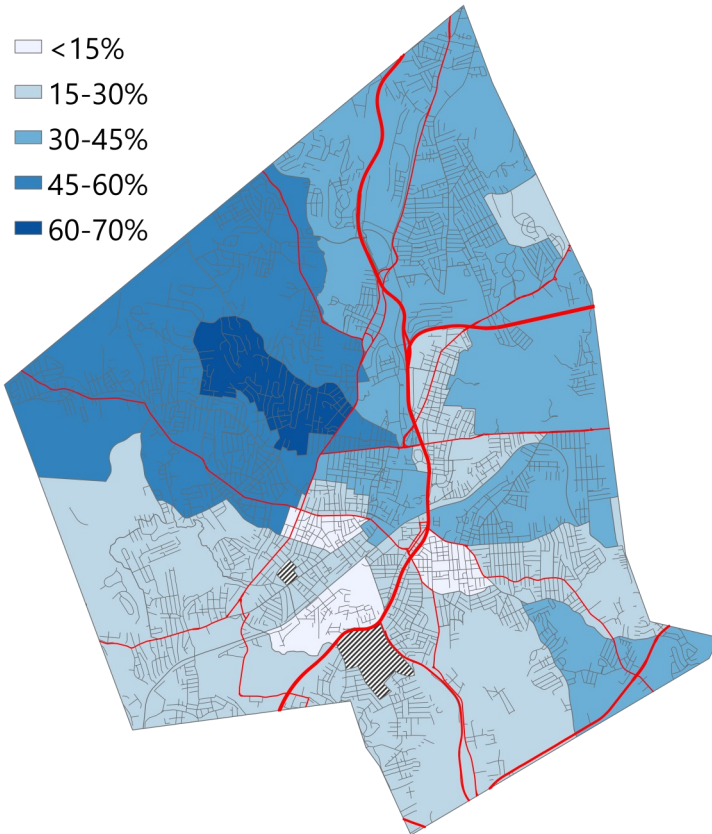
Source: Massachusetts Department of Elementary & Secondary Education



Worcester: Educational Attainment, 2021		
	Number	Percent
Population 25 Years and Over	133,070	
Less than 9th Grade	7,789	5.9%
9th to 12th Grade, No Diploma	11,063	8.3%
High School Graduate, Includes Equivalency	37,665	28.3%
Some College, No Degree	22,777	17.1%
Associate's Degree	10,862	8.2%
Bachelor's Degree	25,519	19.2%
Graduate or Professional Degree	17,395	13.1%

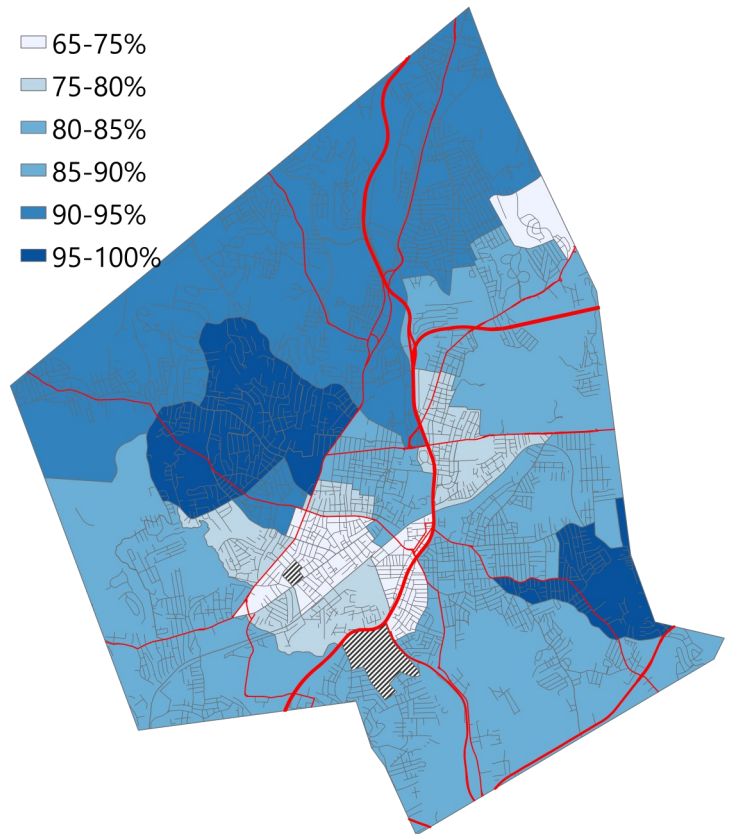
Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: PERCENT WITH BACHELOR'S DEGREE OR HIGHER, 2021



For Populations age 25 or greater
Source: U.S. Census Bureau, 2021 5-Year American Community Survey

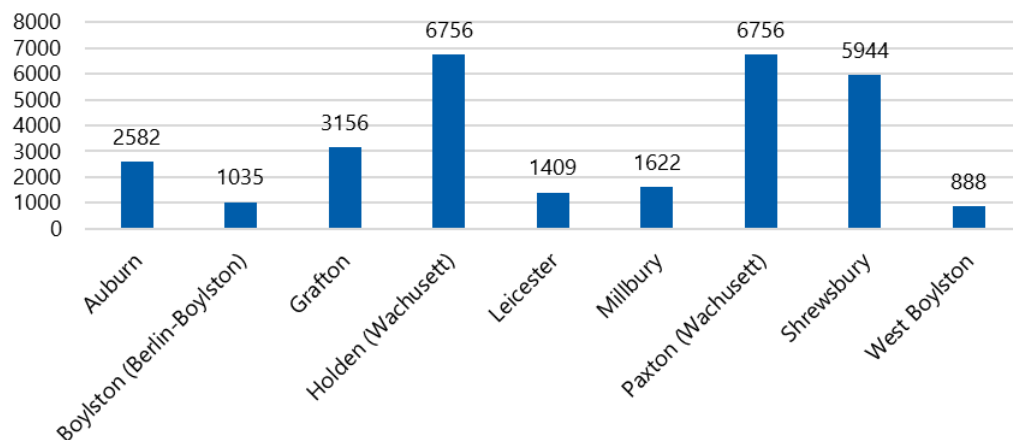
WORCESTER: PERCENT WITH HIGH SCHOOL DEGREE OR HIGHER, 2021



For Populations age 25 or greater
Source: U.S. Census Bureau, 2021 5-Year American Community Survey



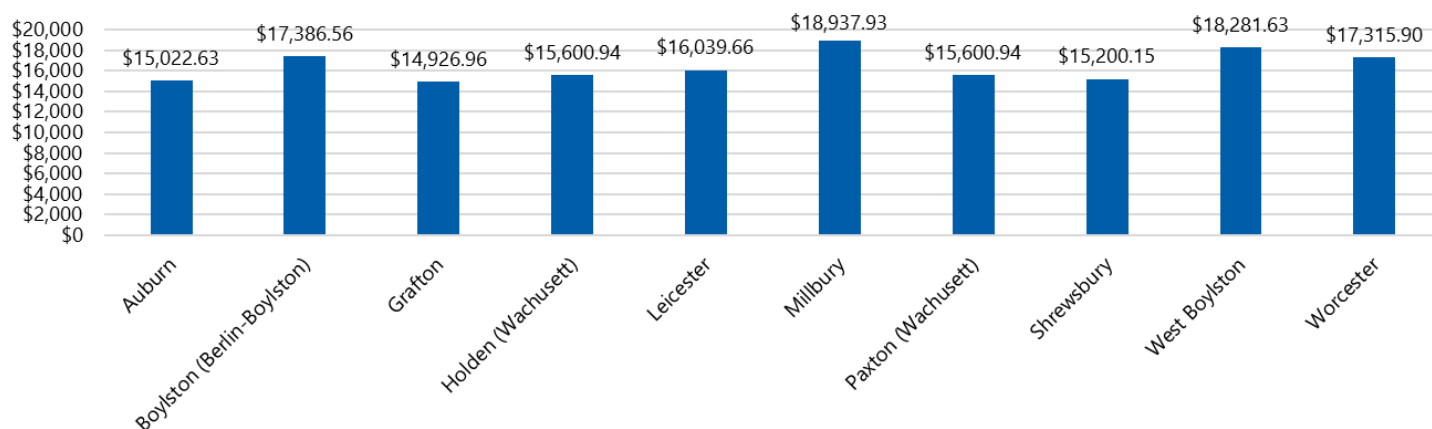
GREATER WORCESTER: NUMBER OF STUDENTS, 2021



The towns of Holden and Paxton are part of the Wachusett Regional School District, the largest regional district in the Commonwealth. The town of Boylston oversees a K-5 elementary school and is part of the Berlin-Boylston Regional School District for Grades 6-12.

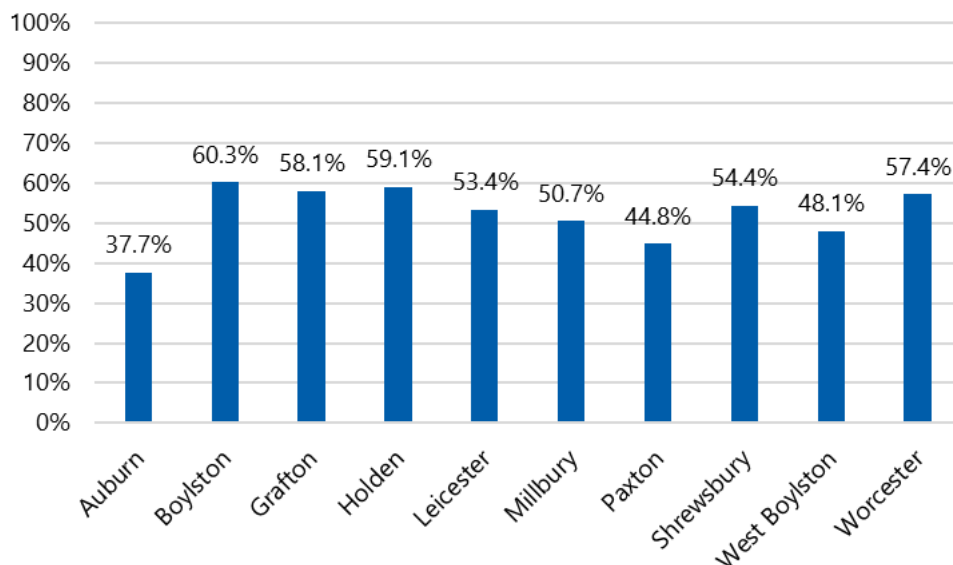
Source: Massachusetts Department of Elementary & Secondary Education

GREATER WORCESTER: PER PUPIL SPENDING, 2021



Source: Massachusetts Department of Elementary & Secondary Education

GREATER WORCESTER: EDUCATION AS A PERCENT OF THE MUNICIPAL BUDGET, 2021



*Includes state aid

Source: Massachusetts Department of Elementary & Secondary Education



Greater Worcester: Percent with Bachelor's Degree or Higher, 2020	
Auburn	42.1%
Boylston	58.4%
Grafton	53.8%
Holden	57.3%
Leicester	27.8%
Millbury	31.9%
Paxton	53.4%
Shrewsbury	63.4%
West Boylston	36.9%
Worcester	32.2%

For Population's age 25 or greater

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Greater Worcester: Colleges & Universities, 2022
Anna Maria College (Paxton)
Assumption University (Worcester)
Clark University (Worcester)
College of the Holy Cross (Worcester)
MCPHS University (Worcester & Boston)
Nichols College (Dudley)
Quinsigamond Community College (Worcester)
Tufts Cummings School of Veterinary Medicine (Grafton)
University of Massachusetts Medical School (Worcester)
Worcester Polytechnic Institute (Worcester)
Worcester State University (Worcester)

Source: Worcester Regional Research Bureau, Inc.

Greater Worcester Higher Education Institutions: Students, Alumni, & Faculty, 2022

Students	
Undergraduate Students	29,362
Graduate Students	10,627
Students from the City of Worcester	6,220
Students from Worcester County	15,220
Students from Massachusetts	28,761
Students from the United States	38,899
Students who are International	3,559
Alumni	
Alumni Residing in the City of Worcester	22,571
Alumni Residing in Worcester County	76,218
Alumni Residing in Massachusetts (at least part-year)	151,448
Faculty, Administration, & Staff	
Faculty, Administrators, & Staff Residing in the City of Worcester	3,351
Faculty, Administrators, & Staff Residing in Worcester County	9,066
Faculty, Administrators, & Staff Residing in Massachusetts	13,196

Source: Higher Education Consortium of Central Massachusetts

Greater Worcester Higher Education Institutions: Expenditures, 2022

Purchasing Expenditures	
Total Paid to Suppliers/Vendors in the City of Worcester	\$65,452,218.12
Total Paid to Suppliers/Vendors in Worcester County	\$105,882,701.95
Total Paid to Suppliers/Vendors in Massachusetts	\$389,987,211.97
Capital Expenditures	
Total Paid to Contractors/Vendors in the City of Worcester	\$33,282,023.00
Total Paid to Contractors/Vendors in Worcester County	\$72,719,300.08
Total Paid to Contractors/Vendors in Massachusetts	\$109,555,185.92

Source: Higher Education Consortium of Central Massachusetts

Greater Worcester Higher Education Institutions: Taxes, Fees, Costs, Etc., 2022

Worcester	
Real Estate Taxes	\$2,317,636.02
Water/Sewer Fees	\$5,101,260.59
Other Fees (permits, licenses, inspections, etc.)	\$676,075.00
Other Financial Contributions	\$1,268,739.00
Police Department	\$740,912.09
Fire Department	\$16,985.00
Dudley, North Grafton, Paxton, or West Boylston	
Real Estate Taxes	\$23,008.79
Water/Sewer Fees	\$325,181.07
Other Fees (permits, licenses, inspections, etc.)	\$7,450.00
Other Financial Contributions	\$84,581.61
Police Department	\$733,596.62
Fire Department	\$25,000.00

Source: Higher Education Consortium of Central Massachusetts



Worcester Public Schools: Strategic Plan Benchmarks					
		2018	2019	2021	2023
SCHOOL IMPROVEMENT					
Reduce number of schools performing at or below the 10th percentile statewide	Benchmark	10 Schools	9 Schools	7 Schools	5 Schools
	Actual	10 Schools	10 Schools	Not Issued by DESE	Not Issued by DESE
Increase the number of schools demonstrating or maintaining an SGP in ELA higher than state median 50%	Benchmark	50%	50.33%	50.67%	51%
	Actual	50%	52.10%	6.5%*	N/A
Increase the number of schools demonstrating or maintaining an SGP in Math to higher than state median 50%	Benchmark	49%	49.33%	49.67%	50%
	Actual	54%	60.90%	2.2%*	N/A
100 % of top-performing schools maintain their performance levels on state-designated metrics	Benchmark	9 schools	9 schools (Minimum)	9 schools	9 schools
	Actual	9 schools	9 schools	Not Issued by DESE	Not Issued by DESE
100% of building leaders participate in Principal Academy	Benchmark	N/A	25%	45%	100%
	Actual	N/A	N/A	N/A	N/A
ACADEMIC EXCELLENCE					
Reduce proficiency gap to 75% in English Language Arts and Math	Benchmark	50%	58%	67%	75%
	Actual	N/A	N/A	N/A	N/A
47% of 3 rd Grade students will meet or exceed benchmarks on English Language Arts MCAS	Benchmark	31%	36%	41%	47%
	Actual	31%	37%	31%**	24%
49% of 3 rd Grade students will meet or exceed benchmarks on Math MCAS	Benchmark	29%	36%	42%	49%
	Actual	29%	30%	15%**	26%
49 % of 8 th Grade students will meet or exceed benchmarks on English Language Arts MCAS	Benchmark	33%	38%	44%	49%
	Actual	33%	34%	22%**	28%
46 % of 8 th Grade students will meet or exceed benchmarks on Math MCAS	Benchmark	25%	32%	39%	46%
	Actual	23%	23%	13%**	19%
100% of 12 th graders enroll and pass a college or career success activity prior to graduation (e.g. AP, dual enrollment, internship)	Benchmark	N/A	80%	90%	100%
	Actual	TBD	N/A	N/A	N/A
100% of students can engage in a digital learning experience (e.g., course or skill building activity in K-5)	Benchmark	30%	53%	76%	100%
	Actual (edtech exp)***	N/A	N/A	98%	N/A
	Actual (course exp)****	13%	55%	53%	N/A

*MCAS Spring 2020 was not administered and Spring 2021 was administered remotely or in-person

**MCAS administration was both remote and in-person. MCAS was not administered in 2020.

***Education technology experience reflects the percentage of students using Clever to access education technology applications and platforms for learning. Tracking of this metric began in SY20 in the Clever platform ("Analytics">"EdTech Analytics">percentage of students logging into Clever) and was at 92%

****Course Experience reflects K-12 students taking any course that contains keywords such as digital or technology

Source: Worcester Public Schools



Worcester Public Schools: Strategic Plan Benchmarks					
		2018	2019	2021	2023
Welcoming Schools					
Reduce chronic absenteeism to 13.5% for students	Benchmark	16.9%	15.8%	14.6%	13.5%
	Actual	17.0%	15.0%	15.0%	26.5%
Reduce number of youth disciplined for non- drug, non-violent, and non-criminal offenses by 30%	Benchmark	71%	61%	51%	41%
	Actual	71%	57%	32%	N/A
Reduce percentage of students suspended for non- drug, non-violent, and non-criminal offenses by one-third districtwide	Benchmark	4.8%	4.48%	3.84%	3.2%
	Actual	4.8%	3.70%	0.00%	N/A
Reduce number of students suspended for non- drug, non-violent, and non-criminal offenses by one-third in each subgroup	Shown Below				
<i>English Language Learners</i>	Benchmark	4.7%	4.4%	3.8%	3.1%
	Actual	4.7%	3.1%	0.1%	N/A
<i>Economically disadvantaged</i>	Benchmark	6.1%	5.7%	4.9%	4.1%
	Actual	6.1%	4.5%	0.0%	N/A
<i>Students w/ disabilities</i>	Benchmark	10.4%	9.7%	8.3%	7.0%
	Actual	10.4%	7.5%	0.1%	N/A
<i>High needs</i>	Benchmark	5.5%	5.1%	4.4%	3.7%
	Actual	5.5%	4.0%	0.0%	N/A
<i>American Indian or Alaska Native</i>	Benchmark	11.4%	10.6%	9.1%	7.6%
	Actual	11.4%	not reported	not reported	N/A
<i>Asian</i>	Benchmark	0.7%	0.7%	0.6%	0.5%
	Actual	0.7%	0.6%	not reported	N/A
<i>African American/Black</i>	Benchmark	4.8%	4.5%	3.8%	3.2%
	Actual	4.8%	3.8%	not reported	N/A
<i>Hispanic/Latino</i>	Benchmark	6.7%	6.3%	5.4%	4.5%
	Actual	6.7%	4.7%	0.0%	N/A
<i>Multi-race, Non-Hispanic/Latino</i>	Benchmark	6.6%	6.2%	5.3%	4.4%
	Actual	6.6%	5.1%	not reported	N/A
<i>White</i>	Benchmark	3.1%	2.9%	2.5%	2.1%
	Actual	3.1%	2.5%	not reported	N/A
100% of student engage in social and emotional support initiatives by graduation	Benchmark	N/A	33%	75%	100%
	Actual	N/A	N/A	N/A	N/A
Reduce dropout rate to 1.8%	Benchmark	2.2%	2%	1.93%	1.8%
	Actual	2.3%	2.6%	1.10%	N/A
By 2023 all schools have a parent liaison trained in parent engagement best practices*	Benchmark	20%	46%	72%	100%
	Actual	N/A	N/A	N/A	N/A
Increase the number of schools with an active site council representative of the school community by 50%**	Benchmark	0	10%	30%	50%
	Actual	N/A	N/A	N/A	N/A
80% of families report using student information and communication vehicles	Benchmark	N/A	26%	52%	80%
	Actual	N/A	N/A	N/A	N/A

*Model changed. WPS are increasing Wrap-around coordinators.

**All schools have school site councils.

Source: Worcester Public Schools



Worcester Public Schools: Strategic Plan Benchmarks					
		2018	2019	2021	2023
EDUCATORS					
100% of educators proficient or higher on evaluation	Benchmark	97.4%	97.6%	98.1%	98.5%
	Actual	96.9%	97.5%	97.8%	N/A
Increase diversity of new hires by 25%	Benchmark	N/A	8%	17%	25%
	Actual	22.4%	28.1%	25.5%	N/A
80% of district- and school- level professional development opportunities align with strategic plan training areas	Benchmark	N/A	27%	53%	80%
	Actual	N/A	N/A	N/A	N/A
50% of educators earn continuing education credits in priority areas of strategic plan*	Benchmark	N/A	17%	33%	50%
	Actual	N/A	N/A	N/A	N/A
80% of educators report application of practices aligned with training area**	Benchmark	N/A	27%	53%	80%
	Actual	N/A	N/A	N/A	N/A
80% of all leadership and educators will report that they have proficiency in the ISTE standards***	Benchmark	N/A	26%	52%	80%
	Actual	N/A	N/A	N/A	N/A
OPERATIONS					
100% of School Committee meetings are guided by a consent agenda supported by mayor and superintendent****	Benchmark	N/A	33%	75%	100%
	Actual	N/A	N/A	N/A	N/A
Increase participation of the community in existing governance meetings by 40%	Benchmark	N/A	13%	26%	40%
	Actual	N/A	N/A	N/A	N/A
Increase per-pupil expenditure by 20%	Benchmark	N/A	4%	12%	20%
	Actual	N/A	4%	21%	N/A
Increase the revenue from in-kind or financial contributions within the community by 20%	Benchmark	N/A	6%	13%	20%
	Actual	N/A	N/A	N/A	N/A

*100% of educators earn professional development points

**100% of educators earn professional development points based on demonstration of application of learning

***BrightBytes survey administered in SY22: Leadership & Educators were proficient on 6 of 7 ISTE standards

****As of January 2022, 100% of the School Committee meetings are guided by a consent agenda supported by the vice chair and superintendent

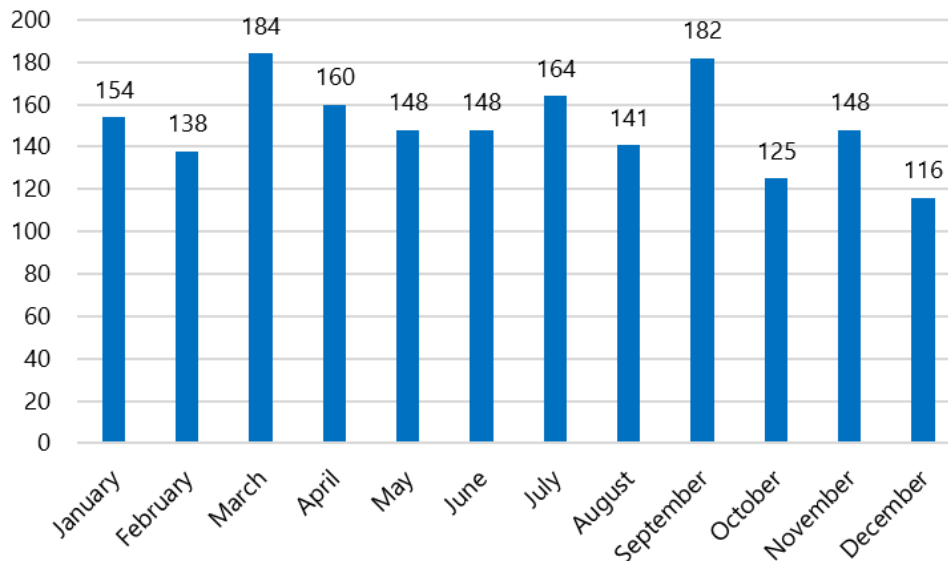
Source: Worcester Public Schools



Worcester: Arrest Offenses, 2022			
Simple Assault	503	Theft From Motor Vehicle	12
Aggravated Assault	288	Motor Vehicle Theft	12
Drug/Narcotic Violations	244	All Other Larceny	8
All Other Offenses	88	Theft From Building	7
Shoplifting	81	Counterfeiting/Forgery	6
Disorderly Conduct	80	Fondling	6
Trespass of Real Property	79	Rape	5
Prostitution	59	Murder and Nonnegligent Manslaughter	5
Destruction/Damage/Vandalism of Property	54	Embezzlement	3
Weapon Law Violations	52	Arson	3
Liquor Law Violations	44	False Pretenses/Swindle/Confidence Game	3
Stolen Property Offenses	41	Credit Card/Automatic Teller Fraud	1
Burglary/Breaking & Entering	34	Pornography/Obscene Material	1
Robbery	26	Curfew/Loitering/Vagrancy Violations	1
Kidnapping/Abduction	22	Animal Cruelty	1
Driving Under the Influence	20	Statutory Rape	1
Intimidation	18		
Total			1,808

Source: Massachusetts Executive Office of Public Safety and Security

WORCESTER: ARRESTEES PER MONTH, 2022



Source: Massachusetts Executive Office of Public Safety and Security



Worcester: Offense and Clearance, 2010-2022				
Year	Offense Total	Number Cleared	Clearance Rate	Massachusetts Clearance Rate
2010	14,557	4,268	29.32%	26.41%
2011	14,533	3,987	27.43%	27.07%
2012	14,737	3,953	26.82%	27.45%
2013	14,522	4,011	27.62%	28.41%
2014	14,125	3,934	27.85%	29.09%
2015	12,951	3,350	25.87%	28.97%
2016	13,291	3,618	27.22%	30.25%
2017	11,557	3,531	30.55%	30.69%
2018	11,196	3,153	28.16%	31.50%
2019	10,896	3,003	27.56%	30.31%
2020	10,959	2,297	20.96%	22.29%
2021	10,794	2,087	19.33%	25.27%
2022	10,198	1,986	19.47%	25.84%

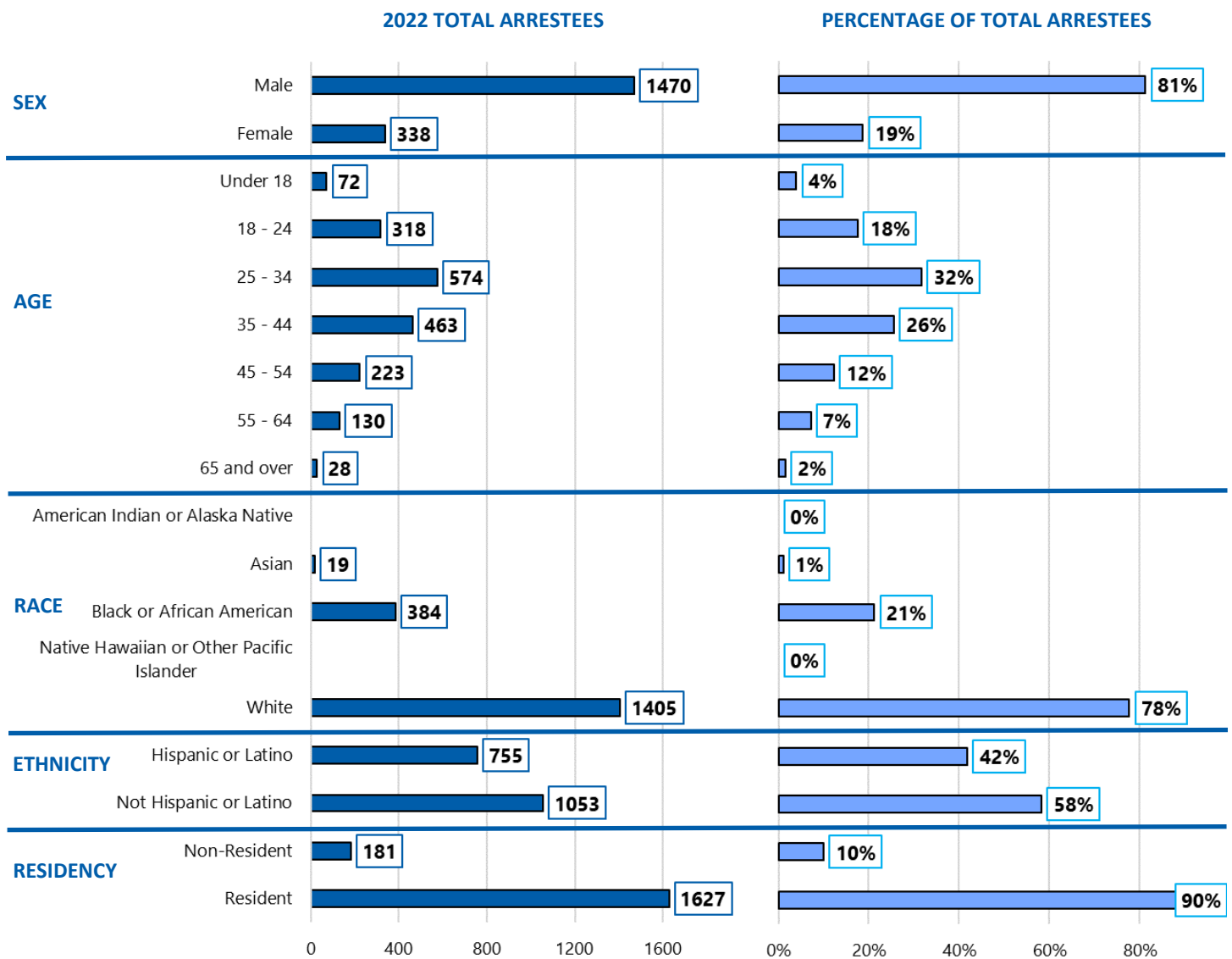
Source: National Incident-Based Reporting System

Worcester: Crime Statistics, 2012-2021										
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Aggravated Assault	1298	1236	1347	1186	1177	974	928	883	915	961
Murder & Nonnegligent Manslaughter	8	9	6	8	8	5	4	13	10	6
Rape	33	22	7	26	63	42	49	40	38	41
Robbery	419	483	402	407	394	324	290	229	210	191
Burglary/Breaking & Entering	2040	1916	1414	1214	1366	866	849	786	690	745
Larceny-Theft	3927	3924	3824	3765	3473	2784	2790	2637	2679	2508
Motor Vehicle Theft	465	399	366	396	519	397	340	369	440	383
Arson	6	7	2	3	5	7	9	6	10	12

Source: FBI Uniform Crime Reporting Program, NIBRS



WORCESTER: ARRESTS BY THE WORCESTER POLICE DEPARTMENT, 2022



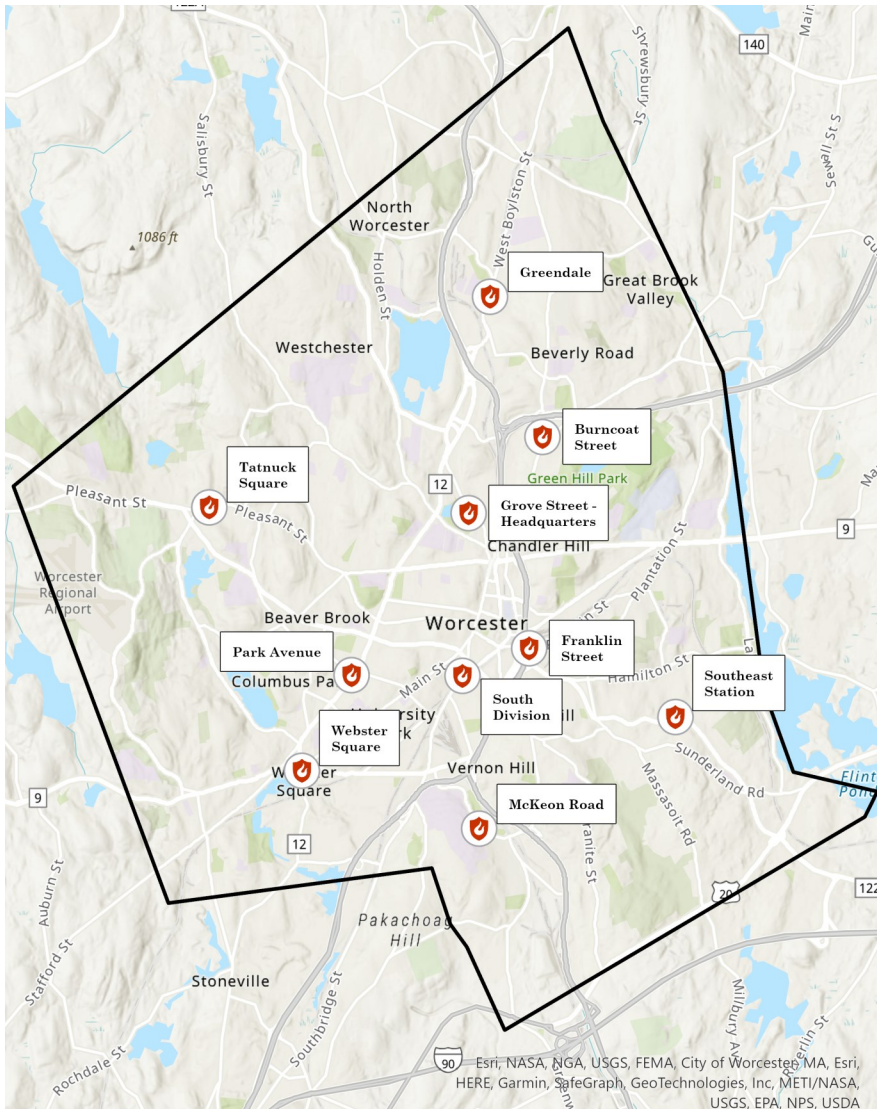
Source: Massachusetts Executive Office of Public Safety and Security

Worcester: Staffing for Police & Fire, FY23			
Fire		Police	
Fire Chief	1	Chief of Police	1
Assistant Fire Chief	2	Deputy Police Chief	4
Deputy Fire Chief	4	Police Captain	8
District Fire Chief	12	Police Lieutenant	24
Captain	28	Police Sergeant	59
Lieutenant	70	Police Officers	361
Firefighter	327	Other	59
Other	14		
TOTAL	458	TOTAL	516

Source: City of Worcester, FY23 Budget



WORCESTER: FIRE DEPARTMENT LOCATIONS, 2022



Worcester: Fire Stations & Resources, 2023	
Station	Address
Burncoat Street	19 Burncoat Street, 01605
	Engine 8
Franklin Street	266 Franklin Street, 01604
	Engine 6, Engine 12 and Ladder 1
Greendale	438 West Boylston Street, 01606
	Engine 11 and Ladder 6
Grove Street	141 Grove Street, 01605
	Engine 3, Engine 16, Ladder 2 and Car 3
McKeon Road	80 McKeon Road, 01607
	Engine 15 and Ladder 5
Park Avenue	424 Park Ave, 01610
	Engine 4 and Ladder 7 and Safety
South Division	180 Southbridge Street, 01608
	Engine 2, Engine 13, Ladder 3, Car 4 and Scuba 1
Southeast Station	745 Grafton Street, 01604
	Engine 7 and Haz Mat 33
Tatnuck Square	1067 Pleasant Street, 01602
	Engine 9
Webster Square	40 Webster Street, 01603
	Engine 5, Ladder 4, Special Ops 1 and SCBA Unit

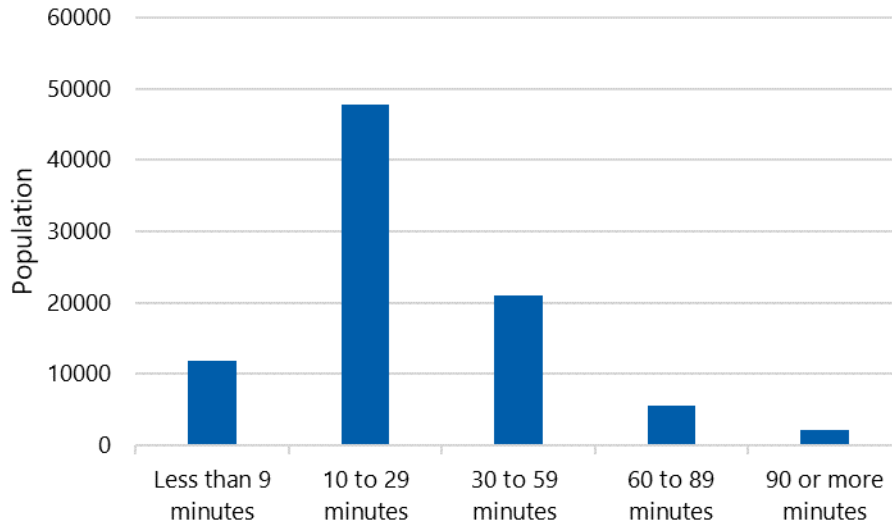
WORCESTER: WORCESTER FIRE DEPARTMENT ACTIVITY, 2022

NFIRS Incident Type	2015	2016	2017	2018	2019	2020	2021	2022
1 - Fire	1,502	1,425	1,266	1,381	1,307	911	1,156	1,181
2 - Overpressure / rupture	47	30	29	36	75	15	23	22
3 - EMS / rescue	22,521	24,080	23,727	22,339	21,489	11,572	20,270	22,913
4 - Hazardous conditions	986	926	1,041	1,061	1,004	759	966	913
5 - Service calls	1,333	1,419	1,439	2,338	1,947	1,299	1,805	1,985
6 - Good intent	2,149	1,951	2,168	2,340	2,147	1,157	1,779	1,877
7 - False alarm	3,206	3,281	3,138	3,618	3,489	2,122	3,395	3,782
8 - Weather / natural disaster	3	3	1	6	1	2		5
Total	31,747	33,115	32,809	33,119	31,459	17,837	29,394	32,678

Source: City of Worcester, Informing Worcester



WORCESTER: COMMUTE TIMES, 2021

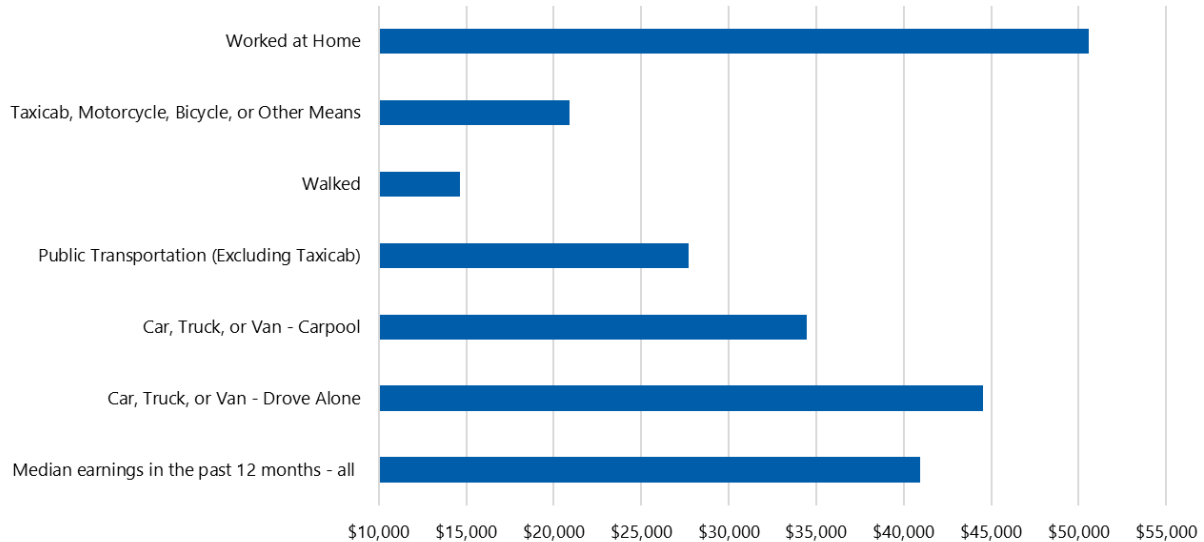


Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

Worcester Work Commute Patterns (Workers 16 Years & Older), 2021				
	Number Worcester Residents	Percent Worcester Residents	Number MA Residents	Percent MA Residents
Car, Truck, or Van - Drove Alone	65,870	68.3%	2,370,510	66.0%
Car, Truck, or Van - Carpooled	10,959	11.4%	252,227	7.0%
Public Transportation (Excluding Taxicab)	2,662	2.8%	300,001	8.4%
Walked	5,970	6.2%	163,881	4.6%
Other Means (Taxicab, Motorcycle, Bicycle, or Other Means)	3,018	3.1%	77,776	2.2%
Worked at Home	7,970	8.3%	427,203	11.9%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

WORCESTER: MEDIAN EARNINGS BY MEANS OF TRANSPORTATION TO WORK, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates

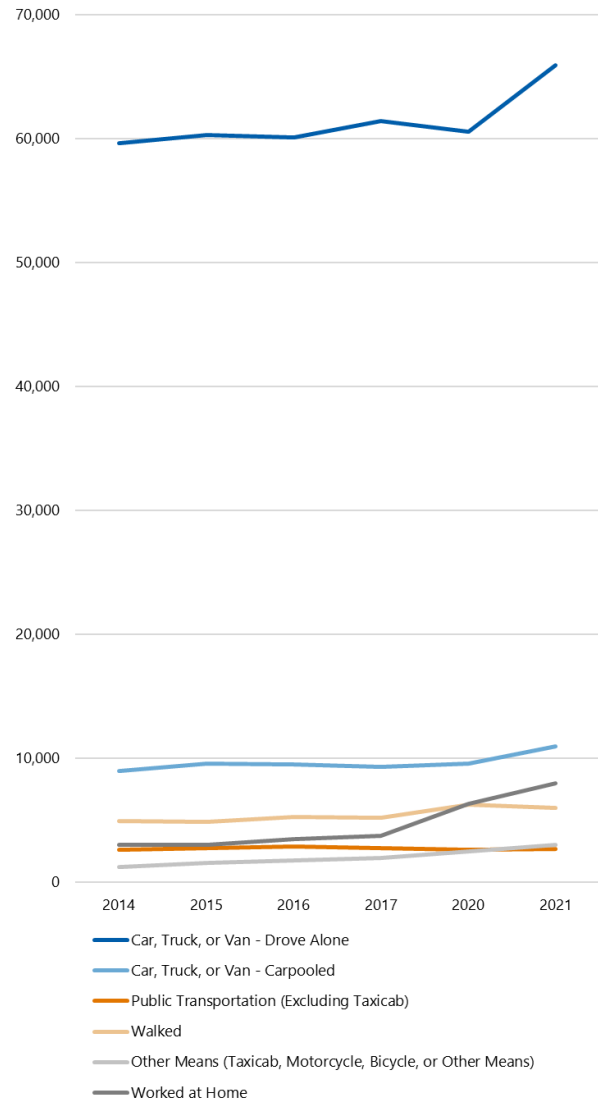


Worcester: 2022 Traffic Counts for Each Location

Location	Average Annual Daily Traffic Count
I-290 above Washington Square	129,346
I-290 above College Square	88,217
I-190 at I290 Southbound	26,885
Belmont Street at Lake Avenue	31,843
Belmont Street at Officer Manny Familia Way	17,084
I-290 Exit 13 (Kelley Square) (All Ramps)	30,694
I-90 & Rt. 146 Interchange (All Directions)	24,973
Park Avenue at Chandler Street	21,906
Pleasant Street West of Flagg Street	15,523
Grafton Street at Sunderland Road	17,152
Plantation Street South of Boylston Street	13,525
Salisbury Street East of Park Avenue	11,907
West Boylston Street at West Mountain Street	11,396
Mill Street North of Park Avenue	11,417
Green Street at Winter Street	8,587
Airport Drive at Mill Street	5,558
Pleasant Street West of Park Ave	7,293
Pleasant Street East of Park Ave	10,374
Pleasant St. & Highland Ave. at Newton Square	29,772
Madison St between Washington and Harding	25,702

Source: Massachusetts Department of Transportation

WORCESTER: WORK COMMUTE PATTERNS, WORKERS 16 YEARS AND OLDER, 2014- 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Survey

Greater Worcester: Registered Motor Vehicles, 2023

	Passenger	Truck	Motorycle	Bus	Ambulance	Camper	Auto-Home	Equipment	Low Speed	Fire Truck	Anonymized	Total
Auburn	14,734	880	294	11	2	27	35	38		2	4	16,027
Boylston	4,778	281	125		1	17	23	10		1	3	5,239
Grafton	15,547	227	318	50		33	43	10		4	10	16,242
Holden	16,048	265	326		2	25	28	13		3	9	16,719
Leicester	9,247	153	276	18	4	25	22			5	5	9,755
Millbury	11,812	337	340	36		24	29	4		5	5	12,592
Paxton	3,963	64	99		1	8	8	2			5	4,150
Shrewsbury	29,771	741	448	195		27	47	18		3	6	31,256
West Boylston	6,351	245	148		2	11	14	12		1	3	6,787
Worcester	111,681	2,073	1,260	572	78	74	66	57	22	18	3	115,904

Source: Massachusetts Department of Transportation, Vehicle Census



Worcester Street Infrastructure, 2023	
Streets (Miles)	
Public Streets	438
Private Streets	80
Sidewalks (Miles)	
Asphalt	306
Concrete	182
Street Lights	13,579
Parking Meters - Smart Kiosks	Approximately 190
Electric Car Charging Ports	
Publicly Owned	30
w/in 10 miles of Worcester (ChargeHub)	257

Source: Worcester Department of Public Works & Parks, Worcester City Clerk, & ChargeHub

Worcester: Rideshare Data, 2019-2022				
	2019	2020	2021	2022
Rides Started in Worcester	1,606,509	808,773	786,978	1,235,568
Rides Within Worcester	1,327,546	652,002	595,910	960,146
Rides Ended in Worcester	1,564,526	776,240	740,970	1,181,749
Rides Started per person	8.87	4.47	3.81	5.98
Rides Ended Per Person	8.64	4.29	3.59	5.72
Average Miles Per Hour	21	26	27.78	27.1
Average Ride Distance (Miles)	2.8	5.3	6.3	5.85
Average Ride Time (Minutes)	7.9	12.11	13.62	12.96

Source: Massachusetts Transportation Network Company, Division of Department of Public Utilities

Worcester: Taxi and Livery Service, as of August 2023	
Taxi Medallions	110
Taxi Drivers	145
Registered Livery Vehicles	35
Livery Drivers	84

Source: Worcester Police Department

Worcester Regional Airport, ORH, 2022	
Aircraft Operations - Number of Flights	
Transient General Aviation	9,561
Local General Aviation	6,222
Air Taxi	2,693
Commercial	3,245
Military	1038
Number of Commercial Passengers	160,656
Aircraft Based at Field	
Single Engine Planes	50
Multi-Engine Planes	5

Source: Worcester Regional Airport, Federal Aviation Administration

Worcester Municipal Parking Garages Capacity, 2022	
Pearl Elm	819
Federal Plaza	511
Major Taylor Boulevard	983
Union Station	500
Worcester Common	500
Polar Park	
of which Private	240
of which Public	100

Source: City of Worcester, Comprehensive Annual Financial Report, 2022

Worcester Trash and Recycling, 2022	
Trash Disposal Tonnage	25,927
Single Stream Recyclables Tonnage	10,278
Yard Waste (Cubic Yards)	65,000

Source: City of Worcester

Worcester Water and Sewer Infrastructure, 2023	
Miles of Water Main Pipe	634
Reservoirs	10
Fire Hydrants	
Public	5,365
Private	495
Total Miles of Sewer Pipes	834
Sanitary Sewers	400
Surface Sewers	374
Combined Sewers	61
Number of Manholes	28,293
Number of Catch Basins	16,138

Source: City of Worcester, City Council Manual 2022-2023

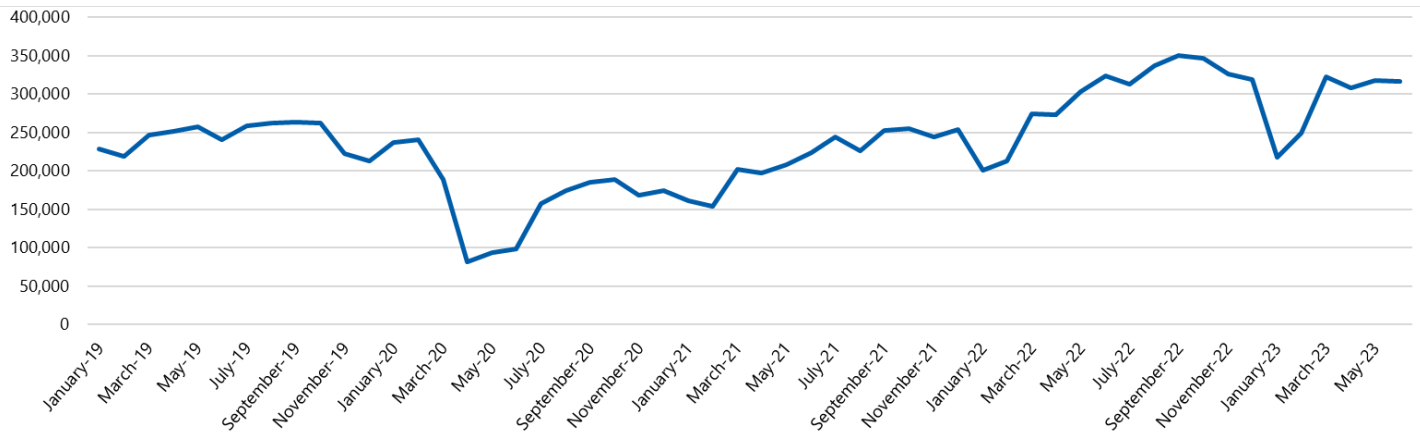


Worcester Regional Transit Authority, FY2023	
Service Area	
Number of Towns Served across All Service Types	37
<i>of which Fixed-Route</i>	16
Population Served across All Service Types	578,732
Key Data for Fixed-Route Service	
Annual Passenger Miles	15,575,560
Annual Unlinked Passenger Trips	3,935,482
Average Weekday Unlinked Passenger Trips	13,670
Average Saturday Unlinked Passenger Trips	6,351
Average Sunday Unlinked Passenger Trips	2,792
Annual Vehicle Revenue Miles	2,054,466
Annual Vehicle Revenue Hours	168,084
Vehicles Operated Across All Service Types	
Vehicles Operated	102
Vehicles Available	125
Number of Electrics	0
Number of Clean Diesel Buses	39
Number of Hybrid Diesel-Electric Buses	15

Source: Worcester Regional Transit Authority

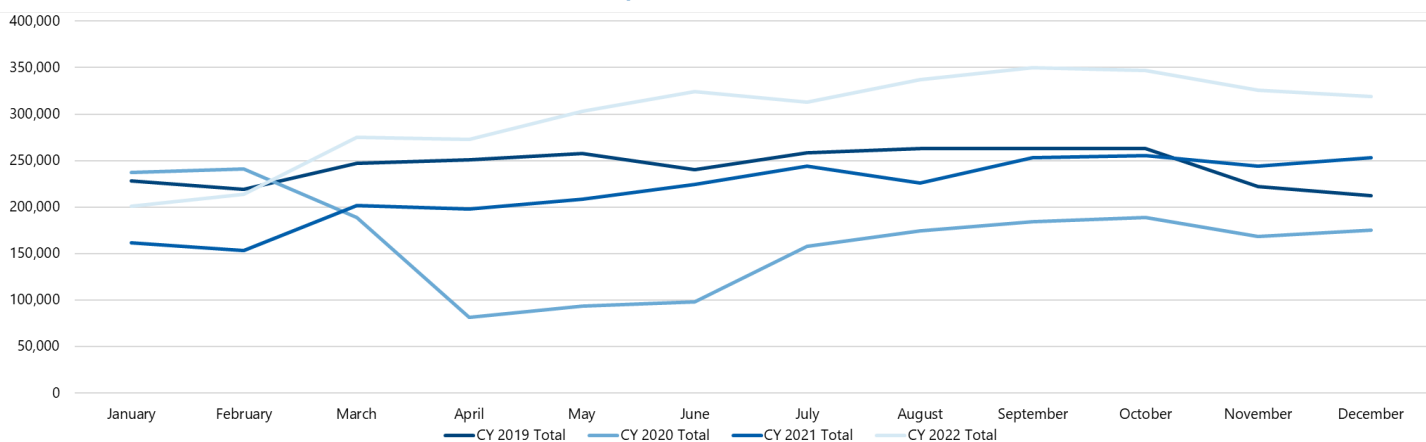
The Worcester Regional Transit Authority (WRTA) was established in September 1974 to contract for the operation of mass transportation facilities and services in the Worcester region. It is the second largest regional transit authority in Massachusetts, serving 37 communities. While the WRTA owns the facilities and rolling stock, the organization contracts with Central Mass Transit Management, Inc., and Paratransit Brokerage Services, Transit Management Inc. for the provision of services.

WORCESTER: MONTHLY FIXED ROUTE RIDERSHIP, JANUARY 2019-JUNE 2023



Source: Worcester Regional Transit Authority

WORCESTER: MONTHLY FIXED ROUTE RIDERSHIP, CALENDAR YEAR 2019-CALENDAR YEAR 2022



Source: Worcester Regional Transit Authority

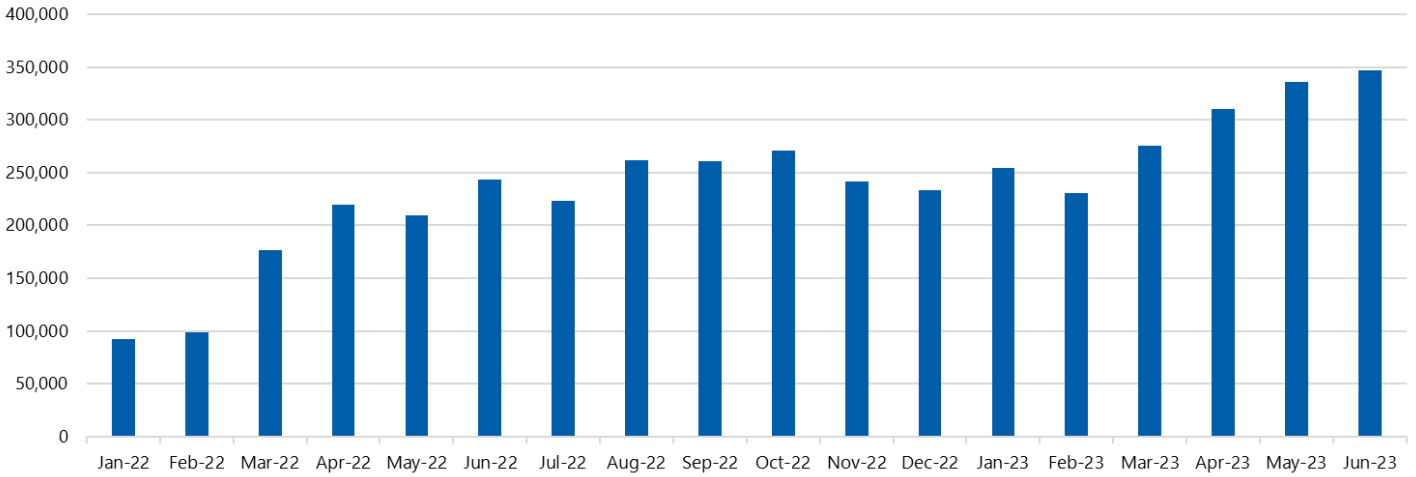


Worcester Commuter Rail: Spring/Summer 2023

Inbound Trains (Weekday)	17
Outbound Trains (Weekday)	17
Inbound Trains (Weekend & Holiday)	10
Outbound Trains (Weekend & Holiday)	10

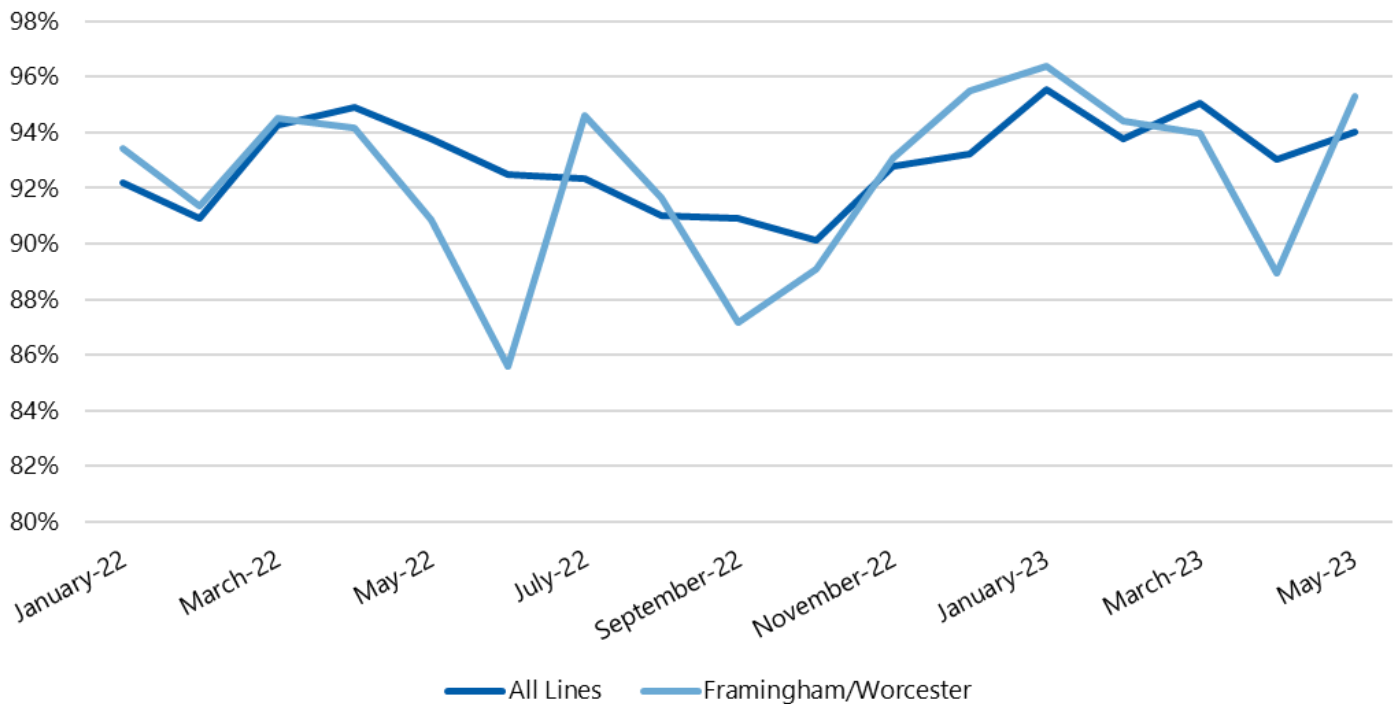
Source: Massachusetts Bay Transportation Authority

FRAMINGHAM/WORCESTER COMMUTER RAIL: ESTIMATED BOARDINGS BY MONTH, JANUARY 2022-JUNE 2023



Source: Massachusetts Bay Transportation Authority

MBTA COMMUTER RAIL: ON-TIME PERFORMANCE, JANUARY 22-MAY 23



Source: Massachusetts Bay Transportation Authority



Worcester Cultural Coalition Members, by sector 2023	
Art Service Organizations	Performing Arts
American for the Arts	4th Wall Stage Company
Art in the Park, Worcester	All Saints Music Series
ArtReach	American Guild of Organists, Worcester Chapter
ArtsWorcester	Apple Tree Arts
Calliope Productions, Inc	Arts on the Green
Casita Cultura Latina	Arts Transcending Borders at The College of the Holy Cross
Centro Inc.	Assabet Valley Mastersingers
Creative Hub Worcester Inc.	Assumption College - Human Arts
Crocodile River Music	Calliope Productions, Inc.
Friends of the Stone Church, Inc	Casita Cultura Latina
Guardians of Traditions	Central Massachusetts Jewish Theatre Company
Hellenic Arts Society	Clark Arts
Main IDEA	Crocodile River Music
Mass Cultural Council	Flamenco Worcester
MASSCreative	Friends of the Stone Church, Inc.
Master Singers of Worcester	Greater Worcester Opera, Inc.
Monano Art	Guardians of Traditions
New England Foundation for the Arts	Hellenic Arts Society
New England Jazz Enrichment Foundation	Joy of Music
No Evil Project	Massachusetts Symphony Orchestra
OurStory Entertainment	Master Singers of Worcester
Pakachoag Music School of Greater Worcester	Mechanics Hall
qFLIX USA, Inc.	Monano Art
Ritmos Dance Studio Inc.	Music Worcester, Inc.
Southeast Asian Coalition of Central Massachusetts	Musicians of the Old Post Road
stART on the Street	New England Jazz Enrichment Foundation
Technocopia	New England Symphony Orchestra
The Hanover Theatre and Conservatory for the Performing Arts	Pakachoag Music School of Greater Worcester
The Shakespeare Concerts	Raices Cultural Arts
The Village Worcester	Ritmos Dance Studio Inc.
ValleyCAST	Salisbury Singers, Inc.
Worcester Arts Council	Southeast Asian Coalition of Central Massachusetts
Worcester Caribbean American Carnival Association	Studio Theatre Worcester
Worcester Center for Crafts	The Hanover Theatre and Conservatory for the Performing Arts
Worcester Hip Hop Congress	The Shakespeare Concerts
Worcester Youth Orchestras, Inc	ValleyCAST
Literature & Poetry	VOX New England
The Shakespeare Concerts	WCCA TV "The People's Channel"
American Antiquarian Society	WCLOC Theater Company
Hellenic Arts Society	Worcester Chamber Music Society
Southeast Asian Coalition of Central Massachusetts	Worcester Children's Chorus
Technocopia	Worcester Music Academy
Worcester County Poetry Association	Worcester State University Visual and Performing Arts
	Worcester Youth Orchestras, Inc

Source: Worcester Cultural Coalition



Worcester Cultural Coalition Members, by sector 2023

Education & Libraries		Museums & Galleries	
African Community Education		Casita Cultura Latina	
American Antiquarian Society		ArtsWorcester	
Assumption College - Human Arts		Iris and B. Gerald Cantor Art Gallery, College of the Holy Cross	
Casita Cultura Latina		Museum of Russian Icons	
Creative Hub Worcester Inc.		Old Sturbridge Village	
Crocodile River Music		Southeast Asian Coalition of Central Massachusetts	
Guardians of Traditions		Sprinkler Factory	
Higgins School of Humanities at Clark University		ValleyCAST	
Pakachoag Music School of Greater Worcester		Worcester Art Museum	
Preservation Worcester		Worcester Historical Museum	
Southeast Asian Coalition of Central Massachusetts		Worcester State University Visual and Performing Arts	
Technocopia			
The Hanover Theatre and Conservatory for the Performing Arts		Science & Nature	
Worcester Music Academy		ArtReach	
Worcester Polytechnic Institute		EcoTarium	
Worcester Public Library		Mass Audobon Broad Meadow Brook Conservation Center & Wildlife Sanctuary	
Worcester State University Visual and Performing Arts		Mass Audobon Wachusett Meadow Wildlife Sanctuary	
		New England Botanic Garden at Tower Hill	
		Regional Environmental Council (REC)	
		Technocopia	
		ValleyCAST	
Media		<i>Source: Worcester Cultural Coalition</i>	
90.5 WICN		<p>Worcester Cultural Coalition — The Worcester Cultural Coalition is a public-private partnership established in 1999 between the City of Worcester and 12 cultural organizations. Its mission is to draw on Worcester’s rich and diverse cultural assets to foster economic revitalization, support active, creative engagement for all and promote a strong cultural identity for Greater Worcester.</p>	
AVATAR Computing, Inc.			
MassDiGI at Becker College			
qFLIX USA, Inc.			
Shawna E. Shea Memorial Foundation Inc.			
Technocopia			
WCCA TV "The People's Channel"			
WCUW			
History & Heritage			
African Community Education			
American Antiquarian Society			
Friends of the Sonte Church, Inc.			
Guardians of Traditions			
Hellenic Arts Society			
Mechanics Hall			
Old Sturbridge Village			
OurStory Edutainment			
Preservation Worcester			
Ritmos Dance Studio Inc.			
Saint Spyridon Greek Orthodox Cathedral			
Southeast Asian Coalition of Central Massachusetts			
The Shrewsbury Street Italian Heritage Parade			
The Village Worcester			
ValleyCAST			
Worcester Hibernian Cultural Centre			
Worcester Historical Museum			
Worcester Women’s History Project			



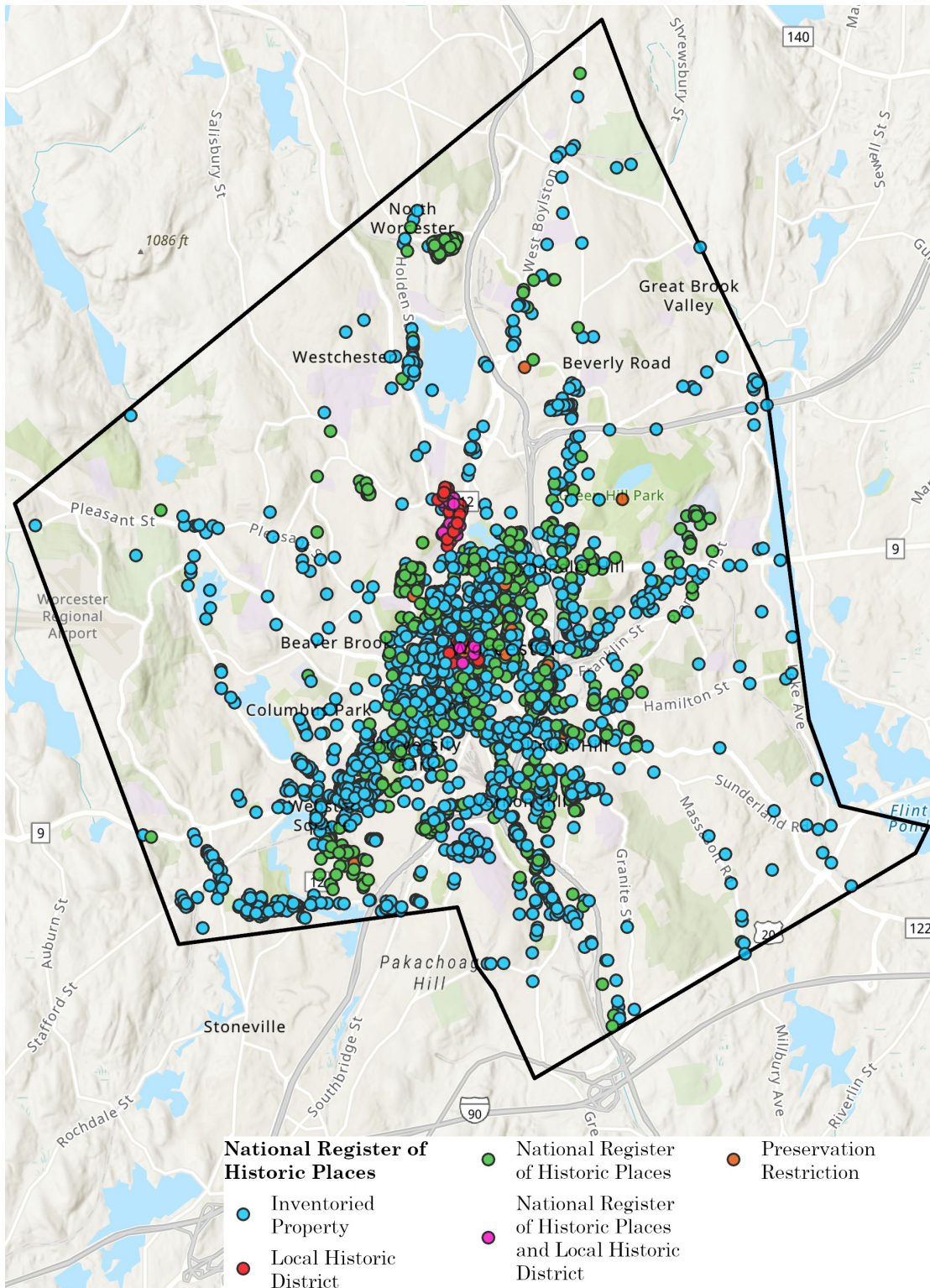
In 2018, the City of Worcester, Worcester Cultural Coalition, and the Greater Worcester Community Foundation partnered to craft a 10-year cultural plan for the City of Worcester. Published in 2019, *Becoming Worcester: The Evolution of a Creative City*, outlines 20 priorities for the next decade. In FY22, the Cultural Plan is undergoing a strategic restructuring to reflect current circumstances.

1. Shape and tell the “Worcester Story” through a cohesive image and brand that reflects and highlights the City’s many strengths
2. Install branding and wayfinding that welcomes people to Worcester at key entrances to the City and to distinctive neighborhoods
3. Promote neighborhoods based on their unique assets—like cultural spaces, history, college campuses, events, parks, architecture, food, restaurants, and shopping
4. Identify existing neighborhood nodes that are gathering places for our wide range of geographically and ethnically based communities
5. Work with City agencies and civic groups to enhance connections and communications with our colleges & universities, the airport, hotels, and the cultural sector
6. Expand implementation of the complete streets policy, and continue streetscape updating throughout the City, prioritizing areas adjacent to schools and public gathering places
7. Work collaboratively to deliver improvements to the City’s public transportation system to help people efficiently get to all areas of the City
8. Engage with business and property owners to activate empty storefronts as creative spaces and provide opportunities for collaboration between artists, residents, businesses, and community organizations
9. Engage “9-to-5ers” downtown by encouraging business as well as civic and cultural groups to offer incentives to participate in activities and organizations after work
10. Expand municipal Public Art program to include a “Percent for Art” requirement for state and municipal capital construction projects
11. Improve City regulations to make public spaces more user-friendly for organized events, and encourage an expanded mix and range of public space programming
12. Incorporate universal design standards in exhibition, performance, and event planning
13. Advocate for affordable housing across the City, and support development of a “creative village” with artist live-work spaces
14. Actively promote the value and importance of diversity that is fully representative of the City on municipal and community-wide boards, committees, and other decision-making bodies
15. Actively promote the value and importance of diversity that is fully representative of the community on local non-profit boards, community coalitions, and other communal organizations
16. Partner with the college and university admissions offices to promote Worcester as a desirable destination for prospective students
17. Strengthen partnerships to establish clear guidelines and create more pathways for artists and cultural organizations to enrich the lives of students and their families both during an after school
18. Provide development services and investment funds for new creative enterprises
19. Design and launch an artist-in-residence program in such environments as municipal government, business, and neighborhoods to incorporate creative design on the front-end of projects
20. Advocate for an allocation in the City budget to support public art, artist residencies and special events which support creative placemaking

Source: Worcester Cultural Coalition

The National Historic Preservation Act of 1966 established the National Park Service's National Register of Historic Places, a list of the nation's historic sites to facilitate public and private efforts to identify, evaluate, and protect historic and archeological buildings and properties. According to the National Park Service, listing on the National Register of Historic Places imposes no restrictions on what a non-federal owner may do with the property up to and including destruction, unless the property is involved in a project that receives federal assistance through funding or licensing/permitting.

WORCESTER: PROPERTIES ON THE NATIONAL REGISTER OF HISTORIC PLACES



Source: Massachusetts Cultural Resource Information System.



Greater Worcester: High School Sports Highlights, 2022-2023
North High Boys' Basketball: D-1 State Championship
Nashoba Regional High School Boys' Ice Hockey: D-3 State Championship
Shrewsbury Girls' Ice Hockey: D-1 State Championship
Uxbridge Field Hockey: D-4
West Boylston Football: D-7 State Championship
Sutton Girls' Soccer: D-5
Westborough Girls' Volleyball: D-2 State Championship

Source: Massachusetts Interscholastic Athletic Association

Greater Worcester: College League Athletic Achievements, 2022-2023
Worcester State Men's Soccer: MASCAC Tournament Championship
Worcester State Field Hockey: MASCAC Regular Season Championship
Worcester State Men's Basketball: MASCAC Regular & Tournament Championship
Holy Cross Football: Patriot League Championship
WPI Men's Basketball: NEWMAC League Championship
Assumption Football: NE10 Championship
Assumption Men's Golf: NE10 Championship

Source: NCAA Conference Websites

Worcester: Bravehearts Baseball, 2022				
Record			Attendance	
Wins	Losses	Percentage	Total	Average
26	36	0.419	48,070	1,602

Source: Baseball Point Streak

Worcester Red Sox, 2022				
Record			Attendance	
Wins	Losses	Percentage	Total	Average Per Game
75	73	0.507	546,955	7,638
Notes				
The WooSox finished Sixth in the International League East Division				

Source: Standings via MILB; Attendance via MassLive

Worcester: Railers Hockey, 2022-23				
Record				
Wins	Losses	Overtime Losses	Shootout Losses	Percentage
34	34	4	0	0.5
Attendance				
The Railers ranked 15th in the ECHL in attendance averaging 3,934 attendees per game.				

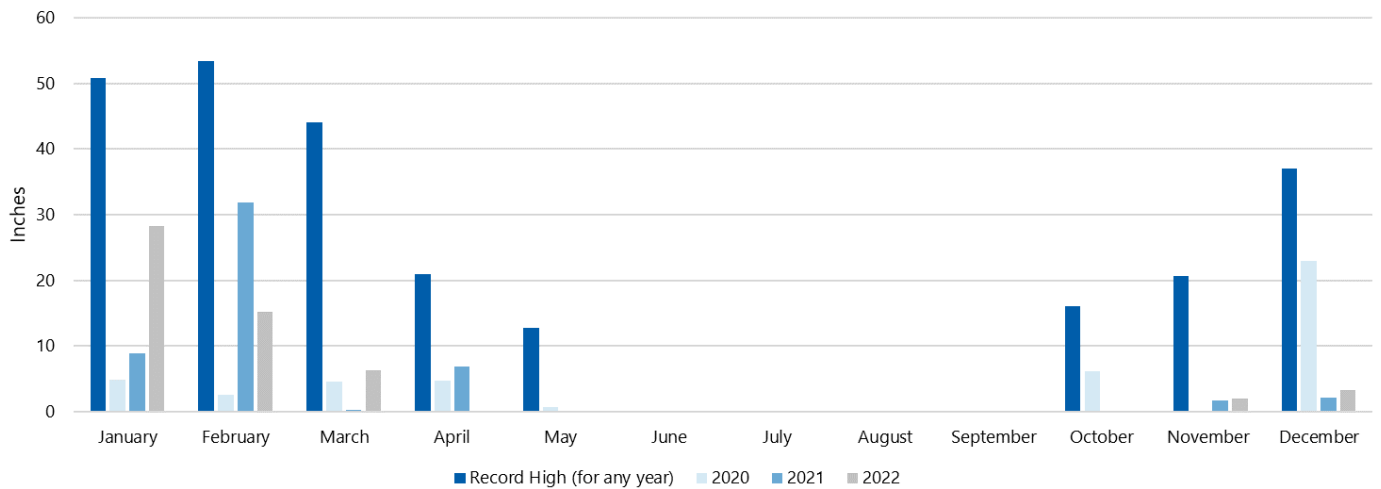
Source: East Coast Hockey League; Attendance via Hockey Database

Worcester: Massachusetts Pirates Arena Football, 2023		
Record		
Wins	Losses	Percentage
9	7	0.5625
Notes		
The Pirates had the 4th highest Average Points per Game in the IFL		

Source: Indoor Football League (IFL)

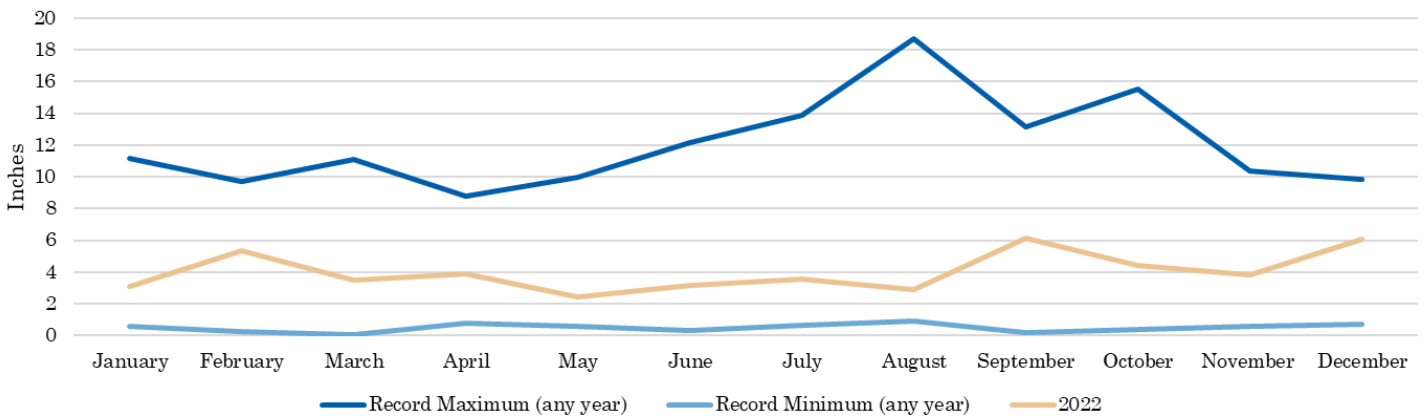


WORCESTER: SNOWFALL & RECORD HIGH BY MONTH, 2020-2022



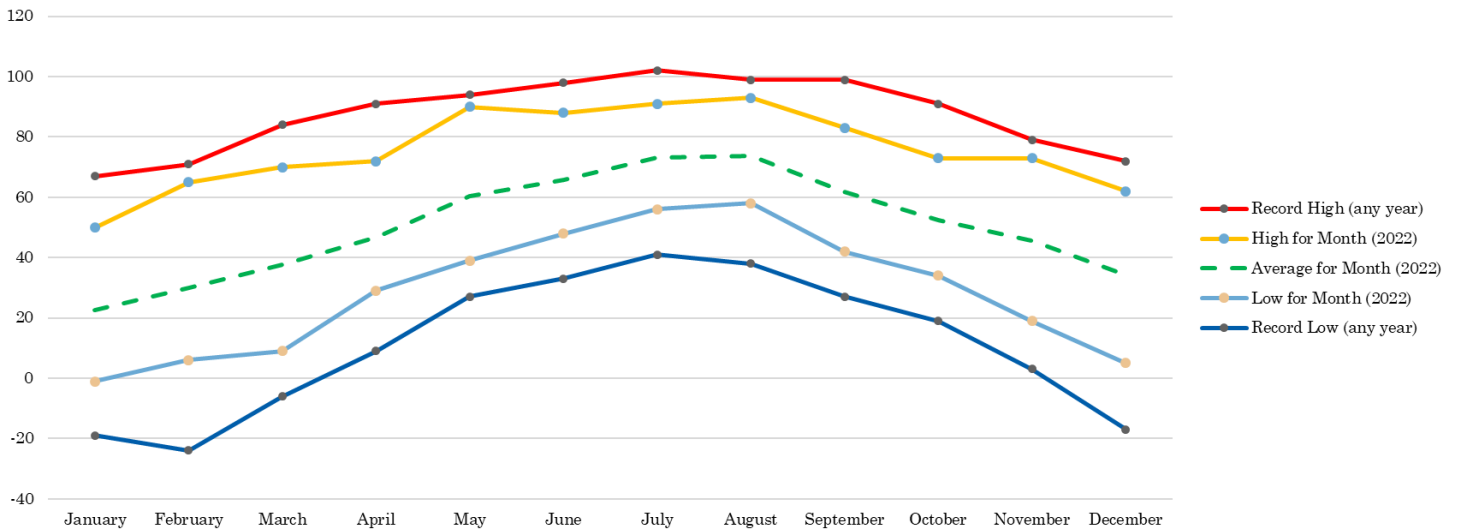
Source: National Weather Service, National Oceanic and Atmospheric Administration

WORCESTER: PRECIPITATION & RECORD BY MONTH, 2022



Source: National Weather Service, National Oceanic and Atmospheric Administration

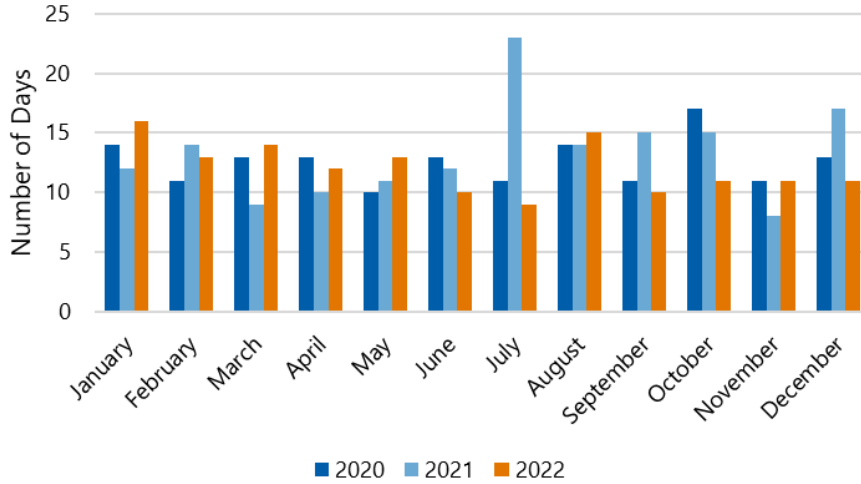
WORCESTER: AVERAGE HIGH & LOW TEMPERATURES COMPARED TO RECORD, 2022



Source: National Centers for Environmental Information, National Oceanic and Atmospheric Administration



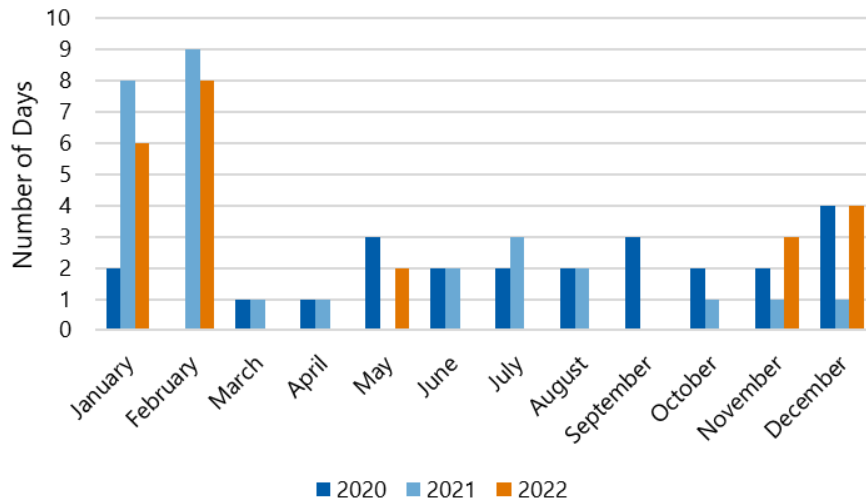
WORCESTER: NUMBER OF DAYS WITH FOG, MIST, ICE, OR FREEZING FOG, 2019-2022



*May Include Heavy Fog

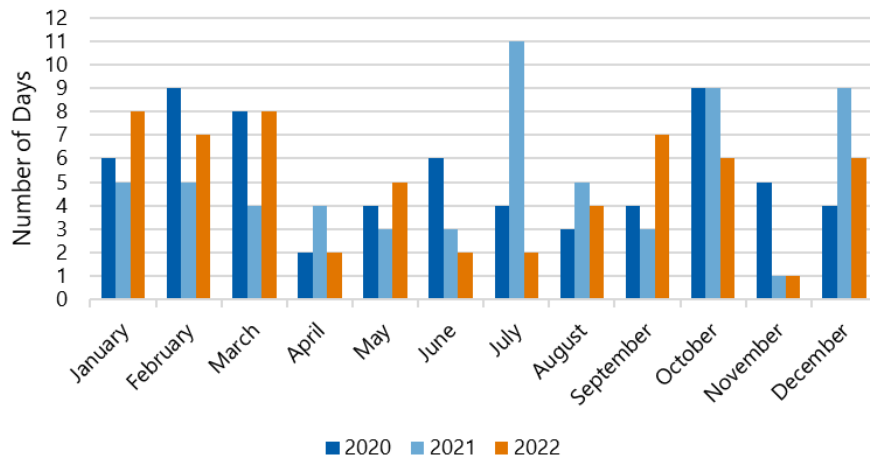
Source: National Centers for Environmental Information, National Oceanic and Atmospheric Administration

WORCESTER: NUMBER OF DAYS WITH SMOKE OR HAZE, 2019-2022



Source: National Weather Service, National Oceanic and Atmospheric Administration

WORCESTER: NUMBER OF DAYS WITH HEAVY FOG, 2019-2022

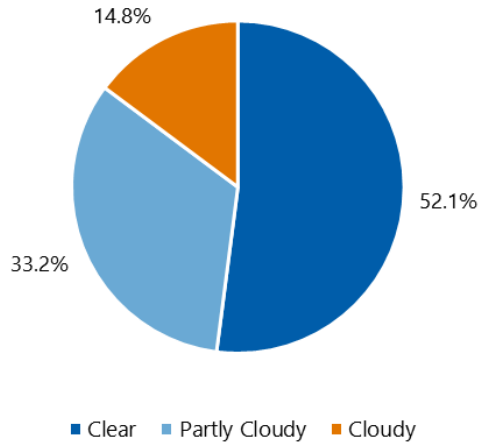


*Heavy fog is fog with visibility less than 1/4 mile

Source: National Centers for Environmental Information, National Oceanic and Atmospheric Administration

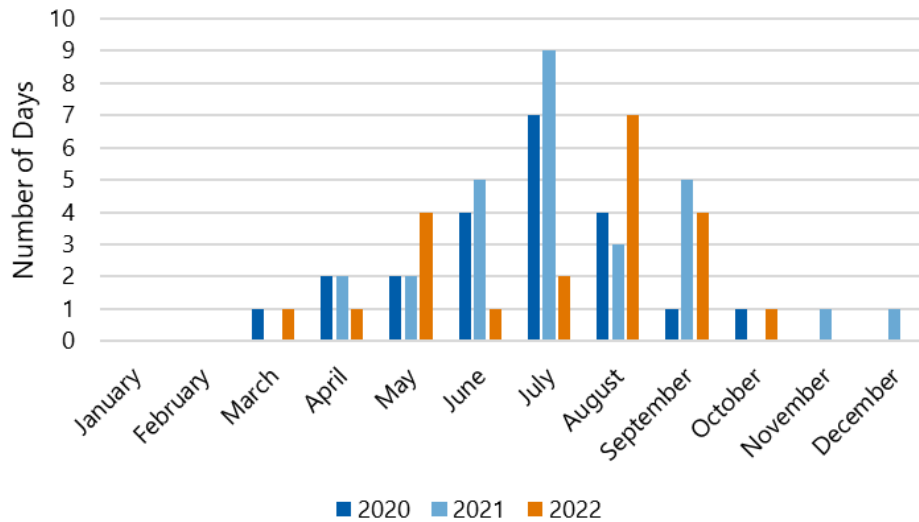


WORCESTER: CLEAR DAYS, 2022



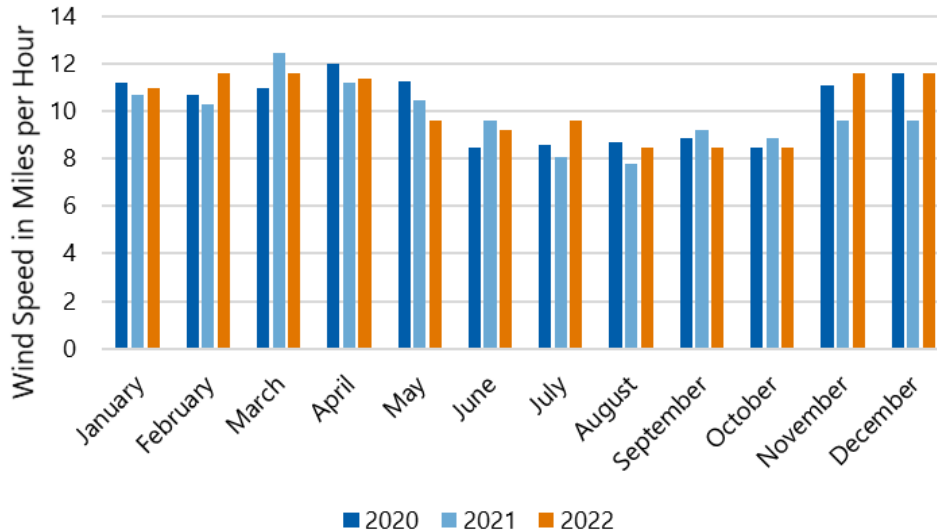
Source: National Weather Service, National Oceanic and Atmospheric Administration

WORCESTER: NUMBER OF DAYS WITH THUNDER, 2020-2022



Source: National Centers for Environmental Information, National Oceanic and Atmospheric Administration

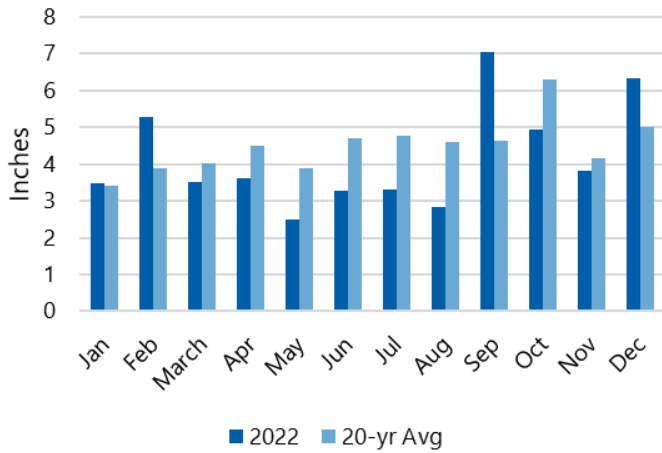
WORCESTER: AVERAGE WIND SPEED PER MONTH, 2020-2022



Source: National Centers for Environmental Information, National Oceanic and Atmospheric Administration

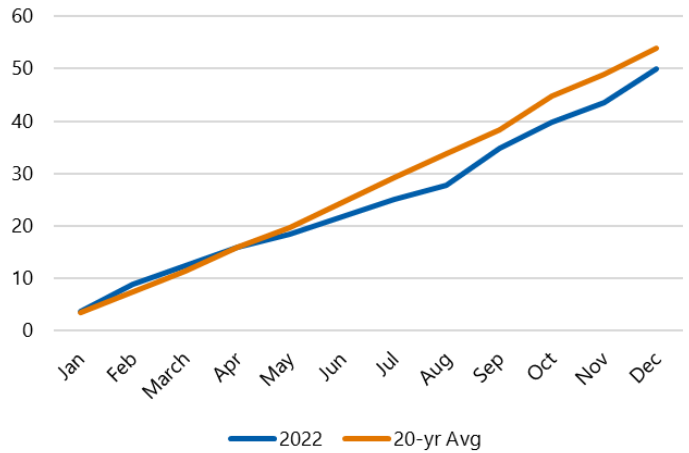


WORCESTER: MONTHLY AVERAGE RAINFALL VERSUS 20-YR AVERAGE, 2022



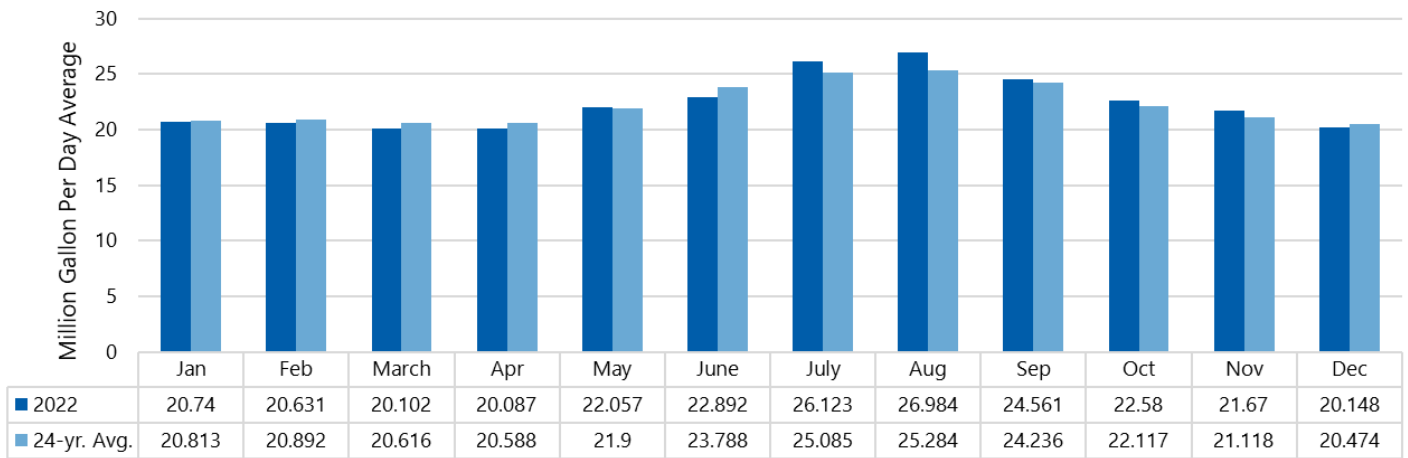
Source: City of Worcester Department of Public Works & Parks

WORCESTER: CUMULATIVE RAINFALL VERSUS 20-YR AVERAGE, 2022



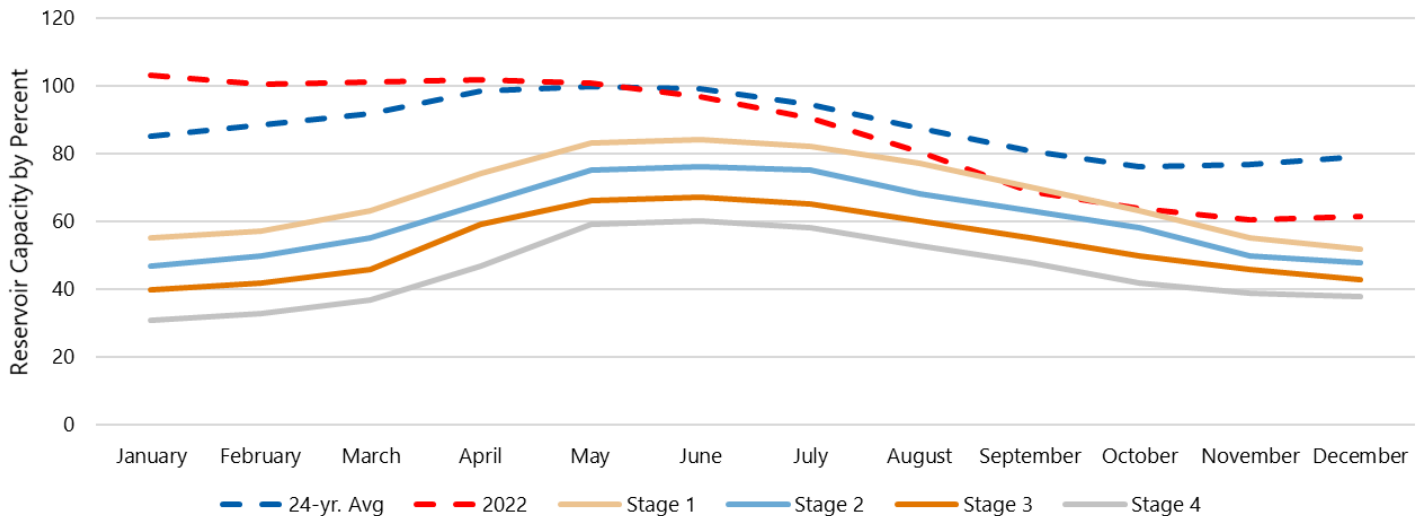
Source: City of Worcester Department of Public Works & Parks

WORCESTER: MONTHLY AVERAGE WATER CONSUMPTION VERSUS 24-YEAR AVERAGE, 2022



Source: City of Worcester Department of Public Works & Parks

WORCESTER: RESERVOIR CAPACITY VERSUS DROUGHT STAGES, 2022



Source: City of Worcester Department of Public Works & Parks



Worcester: Reservoirs - Surface Water & Capacity		
High Service		
	Surface Water (acres)	Capacity (gallons)
Lynde Brook	131.8	717,422,000
Kettle Brook, No. 1	11.5	19,307,000
Kettle Brook, No. 2	30.8	127,310,000
Kettle Brook, No. 3	37.4	152,306,000
Kettle Brook, No. 4	118.6	513,746,000
Low Service		
Holden, No. 1	129.8	720,319,000
Holden, No. 2	52.6	257,398,000
Kendall	175	792,163,000
Pine Hill	345.3	2,970,966,000
Quinapoxet	280	1,100,000,000

Source: City of Worcester Department of Public Works & Parks

Worcester: Lakes, Rivers, Ponds, Brooks, and Waterfalls	
Lakes	Rivers
Indian Lake	Blackstone River
Lake Quinsigamond	Middle River
Ponds	Quinsigamond River
Bell Pond	Streams and Brooks
Burncoat Park Pond	Beaver Brook
Cider Mill Pond	Broad Meadow Brook
Coes Pond	Coal Mine Brook
Cook Pond (Thayer's Reservoir)	Kettle Brook
Curtis Pond	Mill Brook
Flint Pond	Poor Farm Brook
Green Hill Pond	Tatnuck Brook
Jamesville Pond	Weasel Brook
Leesville Pond	Waterfalls
Meres Ponds at Elm Park	The Cascade
Patch Pond	
Salisbury Pond	
Smith Pond	

Source: City of Worcester Open Space and Recreation Plan, 2020

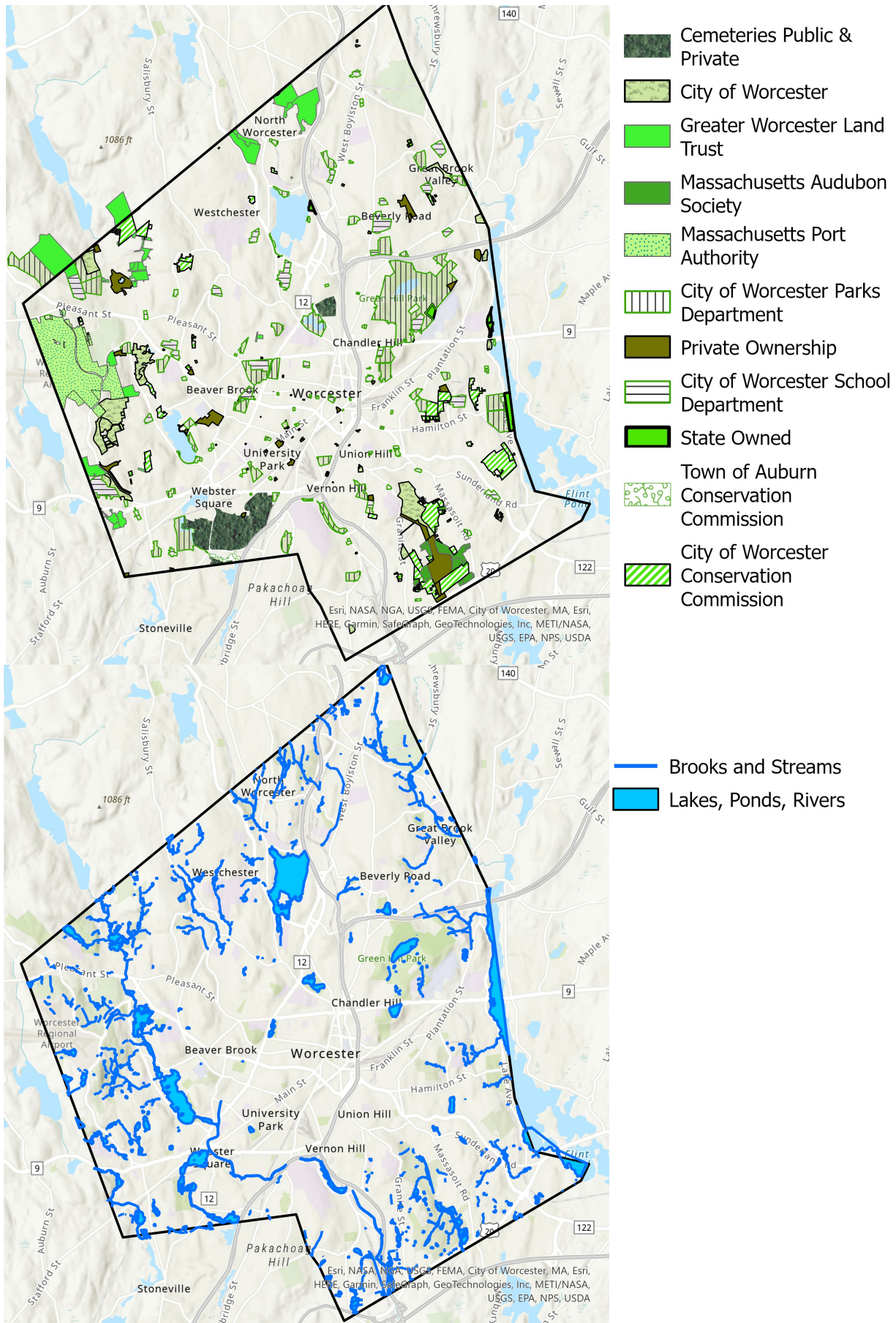
Worcester's Hills
Airport Hill
Bancroft Hill (Bell Hill)
Grafton Hill
Green Hill
Pakachoag Hill
Vernon Hill
Indian Hill
Newton Hill
Poet's Hill
Wigwam Hill
Union Hill
Prospect Hill

Source: City of Worcester Open Space and Recreation Plan, 2013

Worcester is located at the headwaters of the Blackstone River and is part of the Blackstone River Watershed. The watershed includes a 640 square mile basin, receiving water from 29 towns in Central Massachusetts and Rhode Island.

Worcester is famous for its hills, and by popular myth, the city is said to have seven hills like Ancient Rome. In reality, Worcester has 12 named hills.

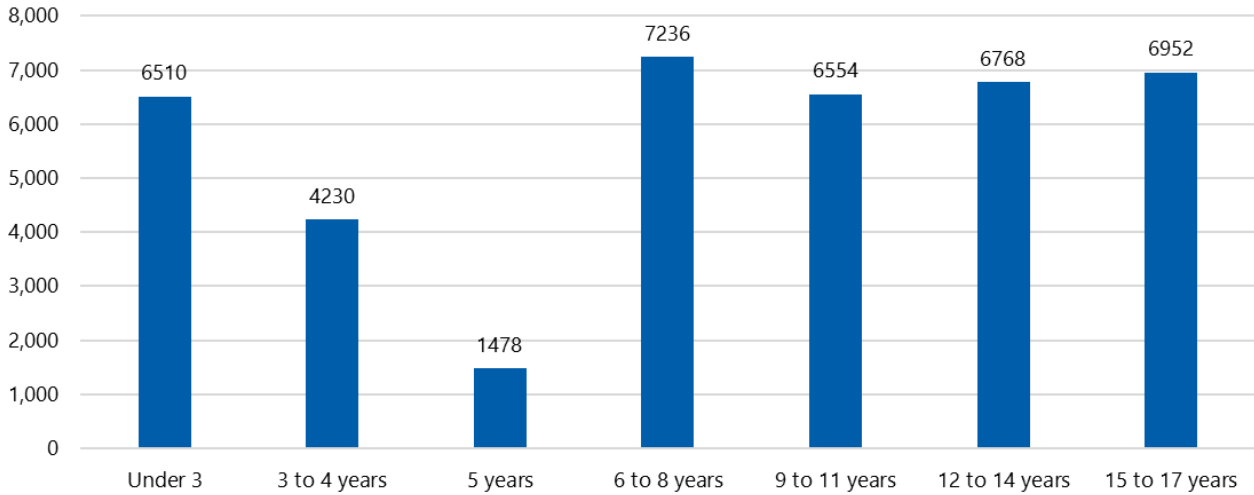
The City of Worcester released its Open Space and Recreation Plan 2021-2028. It is available here: <http://www.worcesterma.gov/parks/document-center>.



Source: GIS Data—City of Worcester, MA

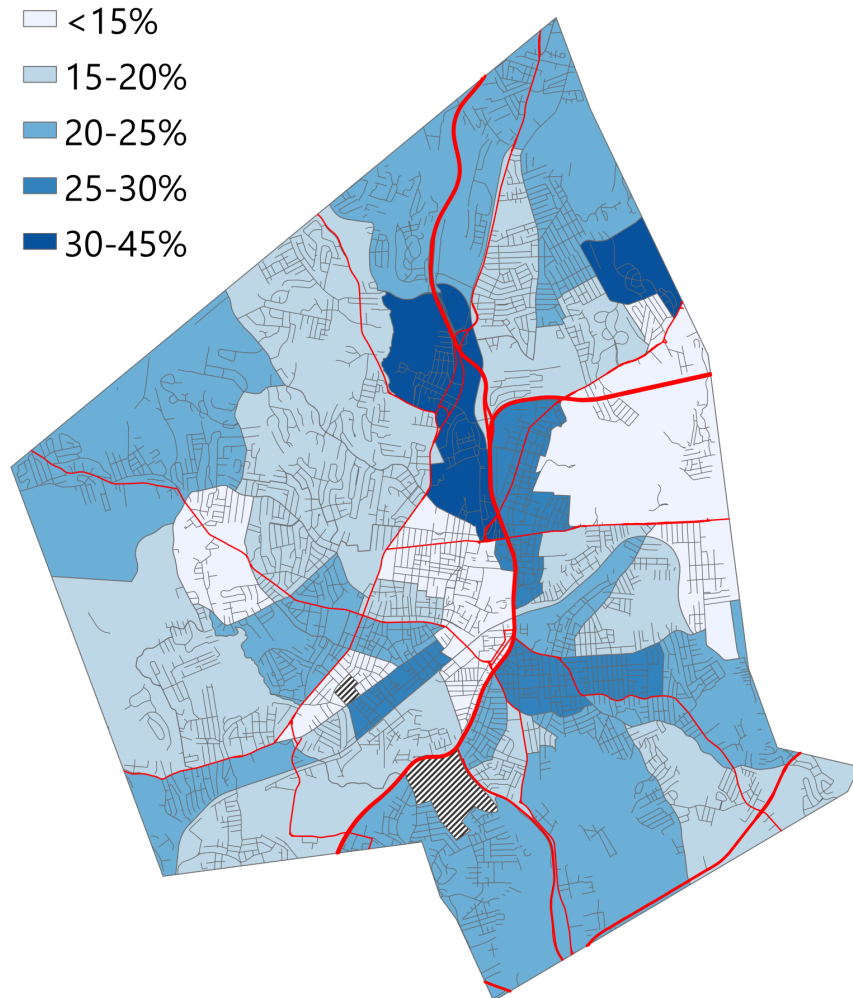


WORCESTER: CHILDREN IN HOUSEHOLD BY AGE, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

WORCESTER: POPULATION PERCENT UNDER 18, 2021



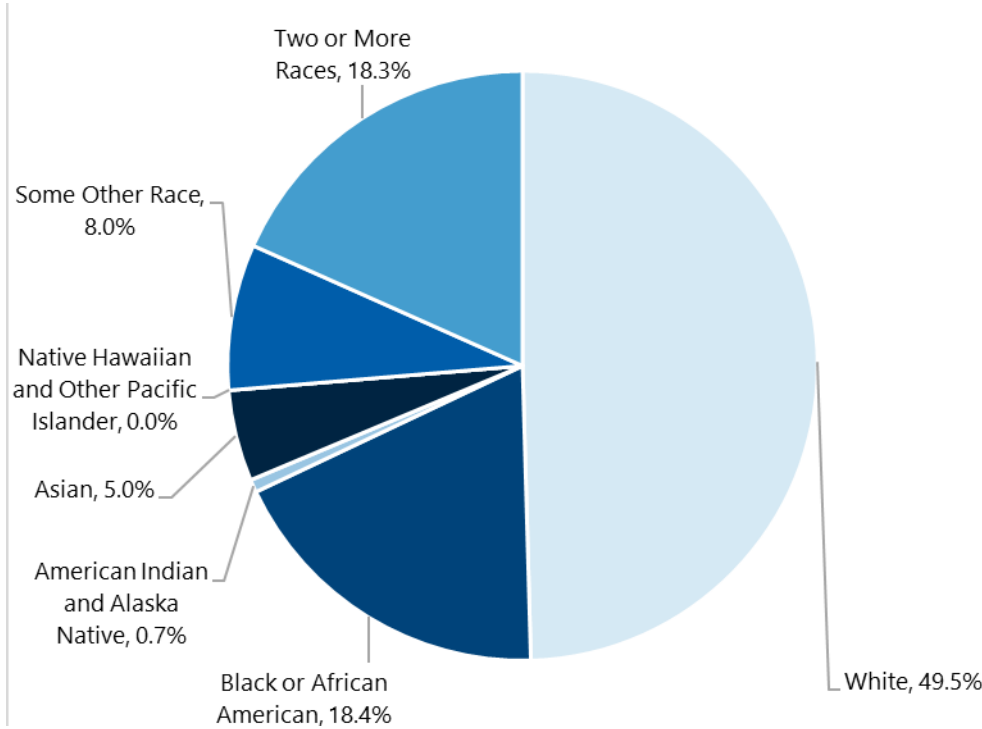
Worcester: Children Characteristics, 2021

Under-18 Population in Households	39,706
In Married-couple Family Household	48.50%
In male householder, no spouse present, family household	9.5%
In female householder, no spouse present, family household	41.8%
In Owner-Occupied Units	40.3%
In Renter-Occupied Units	59.7%
Native Born	91.6%
Foreign Born	8.4%
On Public Assistance	45.0%
Below the Poverty Level	24.8%
With a Disability	4.7%
Enrolled in school	88.3%
In Public School	79.5%
In Private School	8.7%
Not enrolled in school	11.7%

Source: U.S. Census Bureau, 2021 5-Year American Community Survey Estimates



WORCESTER: CHILDREN UNDER 18 BY RACE, 2021



Worcester: Children Under 18 By Ethnicity, 2021

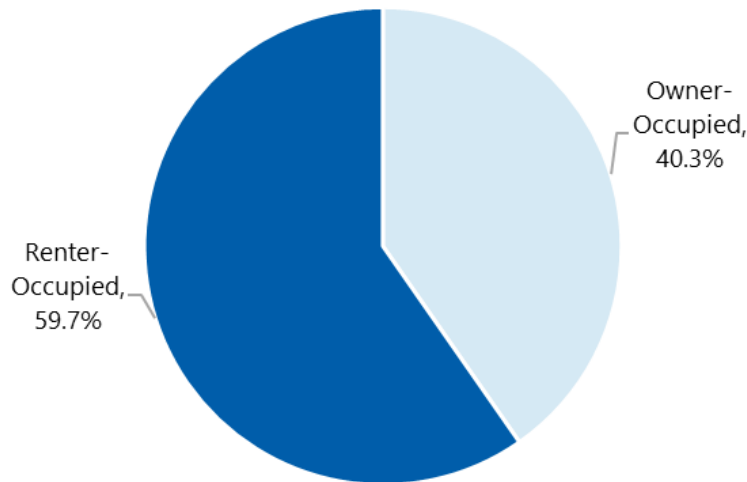
Hispanic or Latino Origin (of any race)	38.8%
Not of Hispanic or Latino Origin (of any race)	61.2%

Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

The U.S. Census Bureau tallies five categories of race. Hispanic origin is described as ethnicity, rather than race, and persons defined as Hispanic or Latino can be of any race.

Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

WORCESTER: CHILDREN UNDER 18 BY HOUSING TYPE, 2021

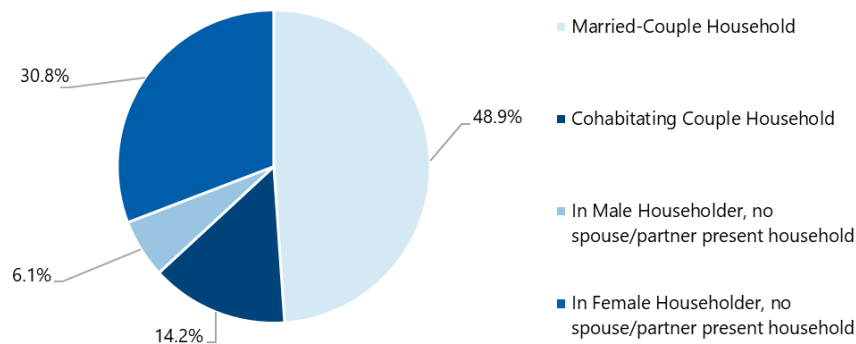


Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

Annual Worcester County Homeless Point-In-Time Count					
	Sheltered			Unsheltered	Total
	Emergency Shelter	Transitional	Safe Haven		
Homeless under age 18	506	44	0	0	550
Annual City of Worcester Point-In-Time Count					
Households With Children	717	75	0	0	792

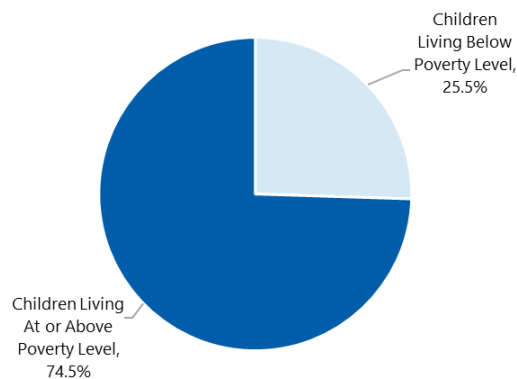
Source: Central Massachusetts Housing Alliance

WORCESTER: CHILDREN UNDER 18 FAMILY SITUATION, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

WORCESTER: POVERTY STATUS FOR CHILDREN UNDER 18, 2021



Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

Mobility refers to students transferring in or out of public schools during the school year for reasons other than grade promotion. A large number of students moving in and out of a school can be very disruptive to the fulfillment of academic goals for the individual student and for all students as teachers work to make sure everyone is in the same place in the curriculum. To measure mobility, the Massachusetts Department of Elementary and Secondary Education uses these three measurements:

- Intake (Transfer-in) Rate: Number of students who enroll in district after start of school year
- Churn Rate: Number of students transferring in or out during school year
- Stability Rate: Number of students who stay in the district throughout the school year.

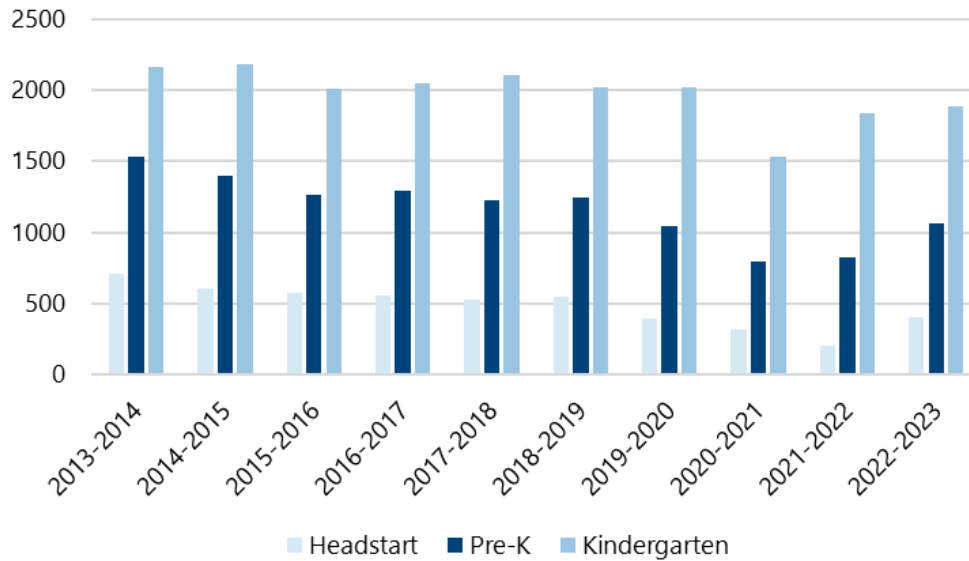
Worcester: Mobility Rates, 2022					
	Churn/Intake Enroll	Percent Churn	Percent Intake	Stability Enroll	Percent Stability
All Students	26,030	18.2	10.6	24,196	89.7
High Needs	22,469	20.0	11.8	20,700	88.8
LEP English Language Learner	8,333	26.7	18.2	7,283	86.5
Low Income	20,207	20.1	11.8	18,636	88.7
Students with Disabilities	5,564	20.1	10.2	5,210	88.2
Mobility by Race					
African American/Black	4,417	17.9	9.7	4,119	89.9
American Indian or Alaskan Native	50	8.0	6.0	48	95.8
Asian	1,656	19.9	13.6	1,459	91.6
Hispanic or Latino	11,764	20.9	12.5	10,811	88.4
Multi-race, non-Hispanic or Latino	1,096	16.4	6.8	1,046	89.5
Native Hawaiian or Pacific Islander	-	-	-	-	-
White	7,042	14.0	7.8	6,708	91.4

*Data for populations less than 6 not reported.

Source: Massachusetts Department of Elementary and Secondary Education.



WORCESTER: PARTICIPATION IN EARLY CHILDHOOD EDUCATION, 2013-2023



Source: Massachusetts Department of Elementary and Secondary Education

Worcester: Children's School Level, 2021	
Population 3 years and over enrolled in school	60,253
Nursery school, preschool	2,018
Kindergarten	1,929
Elementary: grade 1 to grade 4	8,491
Elementary: grade 5 to grade 8	9,061
High school: grade 9 to grade 12	10,118

Source: U.S. Census Bureau, 2021 5-Year American Community Service Estimates

Worcester: Student Discipline Report, 2021-2022						
	Students	Students Disciplined	Percent In-School Suspension	Percent Out-of-School Suspension	Percent Alternate Setting	Percent Emergency Removal
Student Group						
All Students	25,696	1,513	1.6	4.4	0.1	0.7
English Learner	8,203	428	1.3	4	0.1	0.5
Economically disadvantaged	19,936	1,369	1.8	5.1	0.2	0.9
Students w/disabilities	5,519	544	2.6	7.4	0.6	1.3
High needs	22,168	1,436	1.7	4.8	0.2	0.8
Sex						
Female	12,496	571	1.1	3.5	0.1	0.5
Male	13,196	942	2	5.2	0.2	0.9
Ethnicity						
Amer. Ind. or Alaska Nat.	50	5				
Asian	1,625	15	0.2	0.6		0.2
Afr. Amer./Black	4,364	232	1.6	3.7	0.1	0.7
Hispanic/Latino	11,600	838	1.8	5.5	0.1	0.8
Multi-race, Non-Hisp./Lat.	1,075	83	2.2	5.4	0.4	0.8
Nat. Haw. or Pacif. Isl.	5					
White	6,977	340	1.3	3.5	0.1	0.7

Expulsion, school-based arrests, and law enforcement referrals % were 0.0% for the period 2021-2022
 Source: Massachusetts Department of Elementary and Secondary Education



Worcester Public Schools: Pathways Programs Enrollment								
	Gender			Grade				Total
	Male	Female	Non-Binary	Grade 9	Grade 10	Grade 11	Grade 12	
Chapter 74 Programs								
Advanced Manufacturing Technology	9	7	0	0	5	9	2	16
Animal Science	4	45	0	0	16	12	21	49
Automotive Collision Repair & Refinishing	17	18	0	0	14	7	14	35
Automotive Technology	34	26	0	0	20	12	28	60
Biotechnology	14	36	0	0	15	21	14	50
Business Technology	44	40	0	19	18	20	27	84
Carpentry	34	19	0	0	24	13	16	53
Cosmetology	1	40	0	0	14	14	13	41
Culinary Arts	39	93	0	30	44	36	22	132
Diesel Technology	62	10	0	30	16	13	13	72
Drafting	12	17	0	0	16	2	11	29
Early Education and Care	4	118	1	21	41	32	29	123
Electricity	37	17	0	0	22	13	19	54
Engineering Technology	195	119	0	99	86	75	54	314
Environmental Science & Technology	1	22	0	0	6	10	7	23
Exploratory	186	185	0	371	0	0	0	371
Graphic Communications	17	27	0	0	12	19	13	44
Health Assisting	18	136	0	19	49	47	39	154
Heating - Ventilation - Air Conditioning - Refrigeration	13	3	0	0	7	4	5	16
Hospitality Management	5	49	0	0	18	13	23	54
Information Support Services & Networking	36	6	0	0	20	19	3	42
Marketing	20	35	0	0	17	20	18	55
Metal Fabrication & Joining Technologies	28	8	0	0	14	11	11	36
Painting & Design Technologies	5	42	0	0	17	14	16	47
Plumbing	34	7	0	0	17	11	13	41
Robotics and Automation Technology	50	13	0	0	15	23	25	63
Chapter 74 Programs	919	1,138	1	589	543	470	456	2,058
Early College								
Early College	205	495	1	1	130	209	361	701
Innovation Pathway								
Business and Finance	11	26	0	0	15	13	9	37
Environmental and Life Science	3	12	0	0	12	3	0	15
Health Care and Social Assistance	10	64	0	0	30	21	23	74
Information	56	6	0	0	30	22	10	62
Manufacturing	17	4	0	2	8	9	2	21
Innovation Pathway	97	112	0	2	95	68	44	209
Non-Chapter 74 Programs								
Automotive Technology	190	28	0	35	62	58	63	218
Business Technology	55	28	0	0	33	21	29	83
Criminal Justice	33	52	1	0	3	45	38	86
Early Education and Care	11	50	0	0	10	26	25	61
Engineering Technology	37	4	0	1	13	17	10	41
Exploratory	14	18	0	0	0	0	32	32
Health Assisting	31	77	0	0	18	39	51	108
Marketing/Finance	6	5	1	0	0	9	3	12
Non-Chapter 74 Programs	377	262	2	36	139	215	251	641
All (Pathways/Programs)								
All (Pathways/Programs)	1,444	1,718	4	627	801	828	910	3,166

Source: Massachusetts Department of Elementary and Secondary Education



Worcester Public Schools: Pathways Programs Enrollment								
	Race/Ethnicity							Total
	Asian	African American	Hispanic	Multi-Race, Non-Hispanic	Native American	Native Hawaiian, Pacific Islander	White	
Chapter 74 Programs								
Advanced Manufacturing Technology	1	0	5	0	0	1	9	16
Animal Science	1	6	23	1	0	0	18	49
Automotive Collision Repair & Refinishing	1	9	19	1	0	0	5	35
Automotive Technology	7	9	28	1	0	0	15	60
Biotechnology	10	17	11	0	0	0	12	50
Business Technology	9	17	25	8	0	0	25	84
Carpentry	2	6	21	2	0	0	22	53
Cosmetology	2	8	20	1	0	0	10	41
Culinary Arts	14	27	54	7	0	0	30	132
Diesel Technology	2	10	35	2	0	0	23	72
Drafting	3	5	12	3	0	0	6	29
Early Education and Care	4	23	49	3	0	0	44	123
Electricity	5	8	19	2	0	0	20	54
Engineering Technology	22	56	72	8	0	0	156	314
Environmental Science & Technology	0	3	8	3	0	0	9	23
Exploratory	18	55	160	17	1	0	120	371
Graphic Communications	1	8	26	2	0	0	7	44
Health Assisting	13	50	65	3	0	0	23	154
Heating - Ventilation - Air Conditioning - Refrigeration	1	2	7	0	0	0	6	16
Hospitality Management	3	17	21	1	0	0	12	54
Information Support Services & Networking	3	11	16	1	0	0	11	42
Marketing	2	17	22	0	0	0	14	55
Metal Fabrication & Joining Technologies	1	4	14	1	1	0	15	36
Painting & Design Technologies	4	2	23	5	0	0	13	47
Plumbing	3	4	18	2	0	0	14	41
Robotics and Automation Technology	6	14	14	4	1	0	24	63
Chapter 74 Programs	138	388	787	78	3	1	663	2,058
Early College								
Early College	71	174	259	23	2	0	172	701
Innovation Pathway								
Business and Finance	2	12	16	1	0	0	6	37
Environmental and Life Science	5	5	2	0	0	0	3	15
Health Care and Social Assistance	9	23	27	1	0	0	14	74
Information	6	15	25	2	0	0	14	62
Manufacturing	1	3	8	1	0	0	8	21
Innovation Pathway	23	58	78	5	0	0	45	209
Non-Chapter 74 Programs								
Automotive Technology	11	29	118	7	0	0	53	218
Business Technology	3	22	42	3	0	0	13	83
Criminal Justice	4	17	47	3	0	0	15	86
Early Education and Care	2	8	41	2	0	0	8	61
Engineering Technology	1	7	19	2	0	0	12	41
Exploratory	4	4	4	1	0	0	19	32
Health Assisting	8	38	40	4	0	0	18	108
Marketing/Finance	0	3	4	1	0	0	4	12
Non-Chapter 74 Programs	33	128	315	23	0	0	142	641
All (Pathways/Programs)								
All (Pathways/Programs)	233	622	1,280	117	4	1	909	3,166

Source: Massachusetts Department of Elementary and Secondary Education



Worcester Public Schools: Pathways Programs Enrollment						
	Selected Populations					
	First Language not English	English Language Learner	Students With Disabilities	High Needs	Low-income	Total
Chapter 74 Programs						
Advanced Manufacturing Technology	6	1	4	12	8	16
Animal Science	24	1	9	35	33	49
Automotive Collision Repair & Refinishing	18	2	7	23	21	35
Automotive Technology	40	5	10	39	37	60
Biotechnology	32	1	1	33	32	50
Business Technology	45	4	6	59	53	84
Carpentry	24	1	5	36	33	53
Cosmetology	24	2	3	28	26	41
Culinary Arts	80	18	21	102	92	132
Diesel Technology	34	12	24	58	49	72
Drafting	17	3	6	24	20	29
Early Education and Care	52	8	15	83	80	123
Electricity	26	1	4	34	29	54
Engineering Technology	138	22	18	139	121	314
Environmental Science & Technology	9	1	2	10	9	23
Exploratory	197	57	72	305	268	371
Graphic Communications	22	1	8	32	30	44
Health Assisting	117	11	5	127	119	154
Heating - Ventilation - Air Conditioning - Refrigeration	8	1	6	13	9	16
Hospitality Management	34	5	9	39	36	54
Information Support Services & Networking	25	5	9	36	34	42
Marketing	32	1	2	37	35	55
Metal Fabrication & Joining Technologies	11	2	3	22	21	36
Painting & Design Technologies	28	0	1	35	33	47
Plumbing	18	1	6	23	20	41
Robotics and Automation Technology	32	1	2	31	26	63
Chapter 74 Programs	1,093	167	258	1,415	1,274	2,058
Early College						
Early College	430	70	45	445	402	701
Innovation Pathway						
Business and Finance	23	4	1	28	28	37
Environmental and Life Science	11	3	2	13	11	15
Health Care and Social Assistance	50	14	7	61	51	74
Information	36	13	8	49	42	62
Manufacturing	7	6	6	14	11	21
Innovation Pathway	127	40	24	165	143	209
Non-Chapter 74 Programs						
Automotive Technology	118	46	36	181	173	218
Business Technology	49	18	13	68	60	83
Criminal Justice	51	14	19	75	69	86
Early Education and Care	36	17	9	58	56	61
Engineering Technology	19	9	11	30	23	41
Exploratory	11	1	1	12	11	32
Health Assisting	70	25	11	93	82	108
Marketing/Finance	5	3	1	10	9	12
Non-Chapter 74 Programs	359	133	101	527	483	641
All (Pathways/Programs)						
All (Pathways/Programs)	1,741	367	394	2,259	2,045	3,166

Source: Massachusetts Department of Elementary and Secondary Education



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