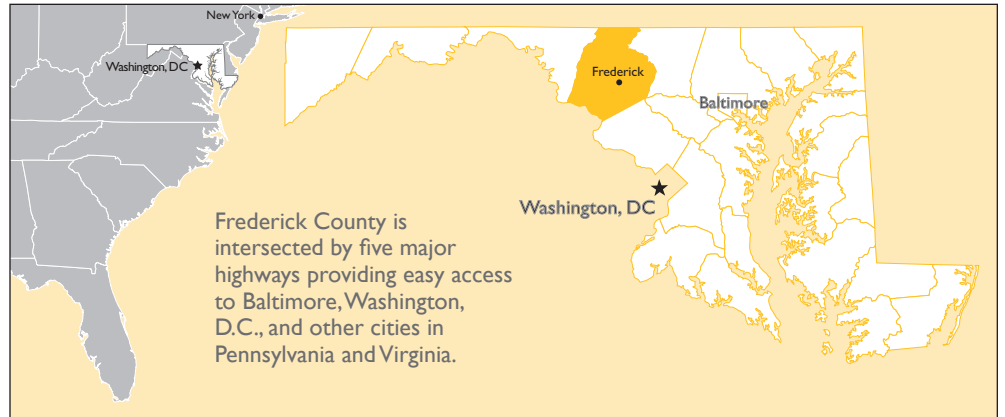


Brief Economic Facts

FREDERICK COUNTY, MARYLAND

Frederick County, part of the Maryland Capital Region with close proximity to Washington D.C., has experienced strong long-term economic growth and is successful in attracting and retaining millennial workers. Home to the National Cancer Institute, Leidos Biomedical's Frederick National Laboratory for Cancer Research, and the U.S. Army Medical Research and Materiel Command at Fort Detrick, Frederick also has the highest concentration of private sector life sciences employment in the state.



With its strategic location, comprehensive transportation network, educated workforce and moderate business costs, Frederick has attracted a diverse industry mix. The county has successfully blended its rich agriculture heritage with a world-class advanced technology sector, and is a leader in craft beverage sector growth. Computing and IT, manufacturing, and tourism are also thriving. The City of Frederick is intersected by five interstate and national highways that provide easy access within the Mid-Atlantic Region.

Major private sector employers include Astra Zeneca, Lonza, Thermo Fisher, UnitedHealthcare, Fannie Mae and Wells Fargo Home Mortgage regional headquarters. The county's private sector industries generate \$11.0 billion in economic activity. Significant recent projects include: the locations of Kite Pharma, Wilcoxon Sensing Technologies, a new U.S. headquarters for German-based Indivumed, HealthWell Foundation and Dunkin Donuts Centralized Kitchen; and expansions of TEI Electrical Solutions, Stulz Air Technologies, and Dairy Maid Dairy.

LOCATION

Driving distance from Frederick:	Miles	Kilometers
Atlanta, Georgia	635	1,021
Baltimore, Maryland	46	75
Boston, Massachusetts	443	713
Chicago, Illinois	637	1,025
New York, New York	232	373
Philadelphia, Pennsylvania	143	229
Pittsburgh, Pennsylvania	179	288
Richmond, Virginia	145	233
Washington, DC	44	71

CLIMATE AND GEOGRAPHY¹

Yearly Precipitation (inches)	43.6
Yearly Snowfall (inches)	26.3
Summer Temperature (°F)	74.4
Winter Temperature (°F)	33.6
Days Below Freezing	106.1
Land Area (square miles)	662.7
Water Area (square miles)	4.6
Elevation (feet)	200 to 1,895

POPULATION^{2,3}

	Frederick County Households	Frederick County Population	Maryland part of Washington DC metro*	Maryland
2000	70,060	195,277	2,065,242	5,296,486
2010	84,800	233,385	2,303,870	5,773,552
2020**	97,010	260,800	2,490,650	6,141,900

*Calvert, Charles, Frederick, Montgomery and Prince George's counties

**Projections

Selected places population (2010): Frederick 65,239; Ballenger Creek 18,274; Urbana 9,175; Linganore 8,543; Thurmont 6,170; Brunswick 5,870; Walkersville 5,800; Spring Ridge 5,795

POPULATION DISTRIBUTION^{2,3} (2018)

Age	Number	Percent
Under 5	15,082	5.9
5 - 19	50,613	19.8
20 - 44	81,188	31.8
45 - 64	71,793	28.1
65 and over	36,972	14.5
Total	255,648	100.0
Median age		39.0 years

Brief Economic Facts FREDERICK COUNTY, MARYLAND

LABOR AVAILABILITY^{3,4,5} (BY PLACE OF RESIDENCE)

Civilian Labor Force (2018 avg.)	Labor Mkt.	
	County	Area*
Total civilian labor force	130,831	760,562
Employment	126,233	735,155
Unemployment	4,598	25,407
Unemployment rate	3.5%	3.3%

Residents commuting outside the county to work (2013-2017)	Number	Percent
	54,217	42.1%

Employment in selected occupations (2013-2017)		
Management, business, science and arts	60,114	46.1%
Service	20,188	15.5%
Sales and office	29,072	22.3%
Production, transp. and material moving	9,591	7.4%

* Frederick, Montgomery and Washington counties

MAJOR EMPLOYERS^{6,7} (2018-2019)

Employer	Product/Service	Employment
Fort Detrick*++	Military installation, NCI	7,800
Frederick Memorial Healthcare System	Medical services	2,620
Leidos Biomedical Research	Medical research	2,275
Wells Fargo Home Mortg.	Mortgage services	1,400
Frederick Comm. College	Higher education	1,115
NVR Building Products	Home builder	685
AstraZeneca	Biopharmaceuticals	675
Mount St. Mary's University	Higher education	665
Hood College	Higher education	645
Costco Depot	Distribution and retailing	640
UnitedHealthcare	Health insurance	615
Way Station	Healthcare services	590
YMCA of Frederick County	Recreation and sports ctr.	505
Lonza	Biological media	465
Plamondon Companies	Hotels, restaurants mgmt.	445
Thermo Fisher Scientific	Biological products	430
Stulz Air Technology Sys.	Air conditioning systems	430
Legal & General America	Life insurance	405
National Emergency Training Centers*++	Federal government	400
Music & Arts	HQ / Music instruction	395
RR Donnelley	Business documents	350

Excludes post offices, state and local governments, national retail and national foodservice; includes higher education

* Employee counts for federal and military facilities exclude contractors to the extent possible; embedded contractors may be included

+ Includes employees at Frederick National Lab

++ Includes U.S. Fire Academy, FEMA and other tenants

EMPLOYMENT⁴ (2018, BY PLACE OF WORK)

Industry	Estab-lishments	Annual Avg. Empl.	Emp. %	Avg. Wkly. Wage
Federal government	60	3,673	3.6	\$1,763
State government	13	1,252	1.2	939
Local government	87	10,820	10.6	1,002
Private sector	6,315	86,503	84.6	932
Natural resources and mining	58	560	0.5	705
Construction	916	10,289	10.1	1,186
Manufacturing	179	5,268	5.2	1,191
Trade, transportation and utilities	1,131	17,774	17.4	754
Information	67	870	0.9	1,351
Financial activities	604	5,578	5.5	1,551
Professional and business services	1,422	14,230	13.9	1,235
Education and health services	777	15,322	15.0	864
Leisure and hospitality	589	12,614	12.3	367
Other services	568	3,996	3.9	768
Total	6,476	102,249	100.0	969

Includes civilian employment only

HOURLY WAGE RATES⁴ (2018)

Selected Occupations	Median	Entry	Experienced
Accountants	\$36.51	\$24.61	\$45.10
Bookkeeping/accounting clerks	22.24	14.86	26.48
Computer hardware engineers	50.31	34.86	62.89
Computer systems analysts	57.55	34.13	71.40
Computer user support specialists	22.51	12.64	28.61
Customer service representatives	17.60	12.24	21.66
Electronics engineering technicians	23.75	19.26	30.66
Freight, stock and material movers, hand	12.45	10.67	15.06
Industrial truck operators	19.60	14.62	23.93
Inspectors, testers, sorters	23.10	15.04	28.35
Machinists	18.85	12.55	24.09
Maintenance and repair workers, general	21.85	15.27	26.16
Packers and packagers, hand	11.76	10.00	14.10
Secretaries	18.85	12.93	22.17
Shipping/receiving clerks	16.32	13.08	19.41
Team assemblers	15.10	11.92	19.33

Wages are an estimate of what workers might expect to receive in Frederick County and may vary by industry, employer and locality

Brief Economic Facts FREDERICK COUNTY, MARYLAND

SCHOOLS AND COLLEGES^{3,8}

Educational Attainment - age 25 & over (2013-2017)

High school graduate or higher	92.6%
Bachelor's degree or higher	40.5%

Public Schools

Number: 37 elementary; 13 middle; 11 high; 3 charter
Enrollment: 42,714 (Sept. 2018)
Cost per pupil: \$12,682 (2017-2018)
Students per teacher: 16.0 (Oct. 2018)
High school career / tech enrollment: 7,426 (2017)
High school graduates: 3,032 (July 2018)

Nonpublic Schools

Number: 48 (Sept. 2018)

Higher Education (2018)	Enrollment	Degrees
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2-year institution

Frederick Community College	5,993	882
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4-year institutions

Hood College	2,052	487
Mount St. Mary's University	2,407	597

Several major universities are within an easy commute of the county. The Frederick Center for Research and Education in Science and Technology is a regional higher education center offering masters degrees in conjunction with the University of Maryland, College Park.

TAX RATES⁹

	Frederick Co.	Maryland
Corporate Income Tax (2019)	none	8.25%
Base – federal taxable income		
Personal Income Tax (2019)	2.96%	2.0%-5.75%*
Base – federal adjusted gross income		
*Graduated rate peaking at 5.75% on taxable income over \$300,000		
Sales & Use Tax (2019)	none	6.0%
Exempt – sales for resale; manufacturer's purchase of raw materials; manufacturing machinery and equipment; purchases of materials and equipment used in R&D and testing of finished products; purchases of computer programs for reproduction or incorporation into another computer program for resale		
Real Property Tax (FY 20)	\$1.06	\$0.112
Effective rate per \$100 of assessed value		
In an incorporated area, the county rate may vary and a municipal rate will also apply		
Business Personal Property Tax (FY 20)	none	none
No county personal property tax on ordinary business property		
\$2.65/\$100 applicable to utility operating property only		
In an incorporated area, a municipal rate may apply; municipal exemptions may be available		
Major Tax Credits Available		
Enterprise Zone, Job Creation, More Jobs for Marylanders, R&D, Biotechnology and Cybersecurity Investment, Arts & Entertainment District		

INCOME³ (2013-2017)

Distribution	Percent Households		
	Frederick Co.	Maryland	U.S.
Under \$25,000	10.7	14.2	21.3
\$25,000 - \$49,999	15.2	17.1	22.5
\$50,000 - \$74,999	16.9	16.5	17.7
\$75,000 - \$99,999	13.5	13.1	12.3
\$100,000 - \$149,999	21.7	18.7	14.1
\$150,000 - \$199,999	11.6	9.7	5.8
\$200,000 and over	10.5	10.7	6.3
Median household	\$88,502	\$78,916	\$57,652
Average household	\$106,439	\$103,845	\$81,283
Per capita	\$39,566	\$39,070	\$31,177
Total income (millions)	\$9,582	\$226,495	\$9,658,475

HOUSING^{3,10}

Occupied Units (2013-2017) 90,022 (74.8% owner occupied)

Housing Transactions (2018)*

Units sold	4,063
Median selling price	\$311,525

*All multiple listed properties; excludes auctions and FSBO

BUSINESS AND INDUSTRIAL PROPERTY⁶

Frederick County offers upscale research and development, technology, office and advanced manufacturing campuses with in-place amenities. Over 30 industrial and office parks have available sites with easy access to a vast transportation network, and access to 1/3 of the state's population within an hour's drive.

Frederick County Office of Economic Development (OED) maintains a current inventory of available office, flex, industrial, retail and land opportunities for businesses looking to start, locate, expand, or share space. OED utilizes Costar, a database of available sites and analytical data to assist companies in determining the best location.

With 5 designated Opportunity Zones, 2 Enterprise Zones, and a business incubator, businesses are taking advantage of the resources and the strategic location Frederick County has to offer.

Business Incubator

Frederick Innovative Technology Center, Inc. (FITCI), Frederick

Market Profile Data (2019)	Low	High	Average
Land – cost per acre			
Industrial	\$8,790	\$719,670	\$263,280
Office	\$37,310	\$934,200	\$356,090
Rental Rates – per square foot			
Warehouse / Industrial	\$4.50	\$12.00	\$7.35
Flex / R&D / Technology	\$5.50	\$16.50	\$10.60
Class A Office	\$11.70	\$32.70	\$16.70

Brief Economic Facts // FREDERICK COUNTY, MARYLAND

TRANSPORTATION

Highways: I-70, I-270, U.S. 15, U.S. 40 and U.S. 340

Mass Transit: MARC (commuter rail) service to Washington, D.C. and Amtrak; public bus transportation throughout Frederick City and connecting to other municipalities

Rail: CSX Transportation and Maryland Midland Railway (short line service)

Truck: More than 70 local and long-distance trucking establishments are located in the county

Water: Served by the Port of Baltimore, 50' channel; a leading U.S. automobile and break-bulk port; seven public terminals including the state-of-the-art Intermodal Container Transfer Facility

Air: Served by Baltimore/Washington International Thurgood Marshall Airport (BWI) as well as Reagan Washington National and Washington Dulles International Airports; Frederick Municipal Airport offers jet and turboprop charter service and ILS, VOR and GPS approaches; 2 runways with longest at 5200'

RECREATION AND CULTURE

Parks: Cunningham Falls, Gambrill, Gathland, and Washington Monument State Parks, Monocacy National Battlefield, Sugarloaf Mountain, C&O Canal Towpath and Catoctin Mountain Park

Recreation and Leisure: Golfing, fishing, hiking, ice skating, canoeing, swimming, orchard and winery tours, historic walking and motorcoach tours, visual and performing arts, art galleries, a zoological park, and minor league baseball

Historical and Cultural: Schifferstadt Architectural Museum, Barbara Fritchie House, Francis Scott Key Monument and Grave, Roger Brooke Taney House/Francis Scott Key Museum, National Museum of Civil War Medicine, Historical Society of Frederick County, Delaplaine Visual Arts Center, Weinberg Center for the Arts, Seton Shrine Center, Grotto of Lourdes, Lily Pon Water Gardens, Brunswick Railroad Museum, covered bridges and antique and specialty shopping

Arts & Entertainment District: Downtown Frederick

Events: Frederick's In the Street Festival, Brunswick Railroad Days, Candlelight Tour of homes, museums and historic houses of worship, Beyond the Garden Gates Tour, Rose Hill Days, Frederick Festival of the Arts, Maryland Christmas Show, Catoctin Colorfest, the Great Frederick Fair, New Market Days, Commemoration of the Battle of Monocacy, Myersville Trolley Festival, Middletown Heritage Festival, Oktoberfest at Schifferstadt, Annual Craft Fair and more

UTILITIES

Electricity: Potomac Edison and Thurmont Municipal Light Company; customers of investor-owned utilities and major cooperatives may choose their electric supplier

Gas: Washington Gas; Baltimore Gas and Electric serves Mount Airy; UGI Central Penn Gas serves Rocky Ridge and Emmitsburg; customers may choose their gas supplier

Water and Sewer: Municipal water and sewer systems in Brunswick, Emmitsburg, Frederick, Middletown, Mount Airy, Myersville and Thurmont; municipal water systems in Walkersville and Woodsboro; 18 county-operated water plants and 15 sewage plants serve a wide geographical area

Telecommunications: Predominant local carrier - Verizon Maryland; Comcast offers Xfinity and Comcast Business; Long distance carriers - AT&T, Sprint, Verizon and numerous additional carriers, resellers and providers of WATS, MTS, voice, paging systems, data, video networking, CATV, satellite communications systems and other wireless systems; ISDN digital switching and fiber optics widely available

GOVERNMENT¹¹

County Seat: Frederick

Government: County executive and seven member county council elected for four-year terms; charter form of government allows for the separation of the executive from the legislative branch; lawmaking powers are vested in an elected legislative body

Jan H. Gardner, County Executive 301.600.3190

M. C. Keegan-Ayer, Pres., County Council 301.600.1303

Website: www.frederickcountymd.gov

County Bond Rating: AAA (S&P); Aaa (Moody's); AAA (Fitch)

Frederick County Office of Economic Development

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Sources:

1 National Oceanic and Atmospheric Administration (1981-2010 normals); Maryland Geological Survey

2 Maryland Department of Planning

3 U.S. Bureau of the Census

4 Maryland Department of Labor, Office of Workforce Information and Performance

5 U.S. Bureau of Labor Statistics

6 Frederick County Office of Economic Development

7 Maryland Department of Commerce

8 Maryland State Department of Education; Maryland Higher Education Commission

9 Maryland State Dept. of Assessments and Taxation; Comptroller of the Treasury

10 Maryland Association of Realtors

11 Maryland State Archives; Maryland Association of Counties