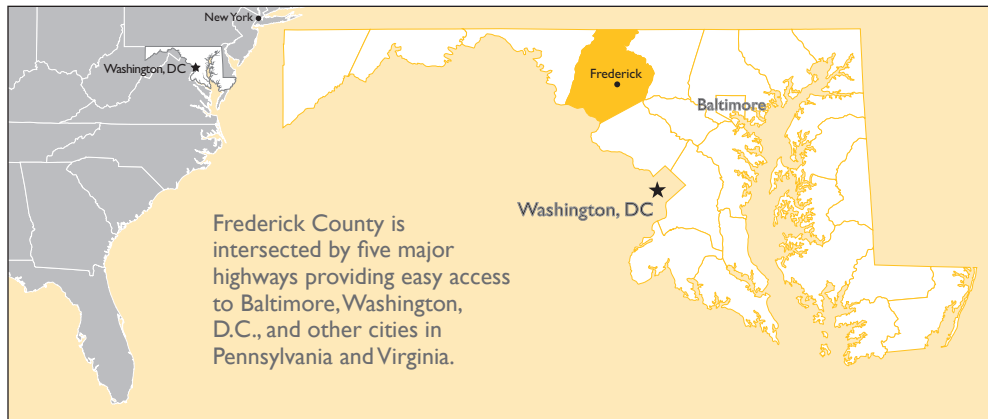


# Brief Economic Facts

## FREDERICK COUNTY, MARYLAND

Frederick County is Maryland's largest in size—663 square miles—and has the second highest concentration of biotech companies in the state. In addition to Fort Detrick, the county is home to most of the nation's biological defense programs. 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 leads the state in craft beverage sector growth. Manufacturing, healthcare and tourism are also growing sectors. The City of Frederick is intersected by five interstate and national highways that provide easy access to Baltimore, Washington D.C., Gettysburg, PA, and Leesburg, VA.

Frederick County's 6,300 businesses employ over 84,000 workers. It is a global leader in life-saving research with NCI's Frederick National Laboratory for Cancer Research



and the National Biodefense Analysis and Countermeasures Center complemented by major private sector employers including AstraZeneca, Leidos, Life Technologies, Lonza, and ThermoFisher. United Health Care, Fannie Mae and Wells Fargo Home Mortgage also have major operations in the county. Significant recent projects include: announced expansions of Flying Dog, the states largest craft brewery, and Emmes Corporation; and headquarters relocation and expansion of Carey International.

### 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 GEOGRAPHY<sup>1</sup>

Yearly Precipitation (inches)	43.6
Yearly Snowfall (inches)	26.3
Summer Temperature (°F)	73.4
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<sup>2,3</sup>

	Frederick County		Maryland part of Washington DC metro*	Maryland
	Households	Population		
2000	70,060	195,277	2,065,242	5,296,486
2010	84,800	233,385	2,303,870	5,773,552
2020**	97,975	265,650	2,517,100	6,224,550

\*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<sup>2,3</sup> (2016)

Age	Number	Percent
Under 5	14,559	5.9
5 - 19	50,317	20.3
20 - 44	77,658	31.4
45 - 64	71,226	28.8
65 and over	33,831	13.7
Total	247,591	100.0
Median age		39.0 years

# Brief Economic Facts // FREDERICK COUNTY, MARYLAND

## LABOR AVAILABILITY<sup>3,4,5</sup> (BY PLACE OF RESIDENCE)

Civilian Labor Force (2016 avg.)	Labor Mkt.	
	County	Area*
Total civilian labor force	129,440	757,771
Employment	124,587	730,977
Unemployment	4,853	26,794
Unemployment rate	3.7%	3.5%

Residents commuting outside the county to work (2011-2015)	Number	Percent
	53,410	42.7%

Employment in selected occupations (2011-2015)		
Management, business, science and arts	58,606	46.1%
Service	19,463	15.3%
Sales and office	29,104	22.9%
Production, transp. and material moving	8,651	6.8%

\* Frederick, Montgomery and Washington counties

## MAJOR EMPLOYERS<sup>6,7</sup> (2016)

Employer	Product/Service	Employment
Fort Detrick*++	Military installation	6,400
Frederick Memorial Healthcare System	Medical services	2,695
Wells Fargo Home Mortg.	Mortgage services	1,880
Leidos Biomedical Research	Medical research	1,835
Frederick Comm. College	Higher education	1,055
State Farm Insurance	Insurance	840
UnitedHealthcare	Health insurance	675
AstraZeneca	Biopharmaceuticals	595
National Emergency Training Center*++	Federal government	575
Mount St. Mary's University	Higher education	510
NVR Building Products	Home builder	510
Lonza Walkersville	Biological media	465
Costco Wholesale	Consumer goods distribution and retailing	450
Hood College	Higher education	420
Thermo Fisher Scientific	Biological products	415
Plamondon Companies	Hotels, restaurants mgmt.	400
YMCA of Frederick County	Recreation and sports ctr.	395
Stulz Air Technology Sys.	Air conditioning systems	390
RR Donnelly	Business documents	360
Canam Steel	Steel production	300
Carey International	Chauffeur services	300

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

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

## EMPLOYMENT<sup>4</sup> (2016, BY PLACE OF WORK)

Industry	Estab-lishments	Annual Avg. Empl.	Emp. %	Avg. Wkly. Wage
Federal government	62	3,662	3.7	\$1,728
State government	12	1,176	1.2	974
Local government	82	10,403	10.5	979
Private sector	6,315	84,118	84.7	912
Natural resources and mining	59	513	0.5	689
Construction	939	9,544	9.6	1,107
Manufacturing	176	5,200	5.2	1,154
Trade, transportation and utilities	1,177	17,326	17.4	722
Information	72	1,061	1.1	1,399
Financial activities	599	6,055	6.1	1,450
Professional and business services	1,425	14,696	14.8	1,256
Education and health services	749	14,193	14.3	829
Leisure and hospitality	569	11,769	11.8	349
Other services	550	3,761	3.8	712
<b>Total</b>	<b>6,471</b>	<b>99,359</b>	<b>100.0</b>	<b>950</b>

Includes civilian employment only

## HOURLY WAGE RATES<sup>4</sup> (2016)

Selected Occupations	Median	Entry	Experienced
Accountants	\$35.69	\$23.52	\$45.76
Bookkeeping/accounting clerks	22.48	16.03	26.58
Computer systems analysts	53.72	33.94	65.55
Computer user support specialists	18.09	11.99	25.08
Customer service representatives	15.54	11.71	19.46
Electrical engineers	55.24	39.36	63.31
Electronics engineering technicians	32.54	22.01	35.23
Freight, stock and material movers, hand	11.54	9.78	14.17
Industrial truck operators	17.93	15.71	19.69
Inspectors, testers, sorters	20.16	16.42	24.84
Machinists	24.57	19.00	27.41
Maintenance and repair workers	20.67	13.41	24.78
Packers and packagers, hand	11.09	8.77	13.64
Secretaries	18.60	12.95	21.70
Shipping/receiving clerks	15.01	12.08	18.57
Team assemblers	14.76	12.56	18.16

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<sup>3,8</sup>

### Educational Attainment - age 25 & over (2011-2015)

High school graduate or higher	92.4%
Bachelor's degree or higher	39.1%

### Public Schools

Number: 36 elementary; 13 middle; 11 high; 3 charter
Enrollment: 41,317 (Sept. 2016)
Cost per pupil: \$12,661 (2014-2015)
Students per teacher: 15.9 (Oct. 2016)
High school career / tech enrollment: 5,757 (2016)
High school graduates: 2,894 (July 2016)

### Nonpublic Schools

Number: 54 (Sept. 2016)
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Higher Education (2016)	Enrollment	Degrees
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### 2-year institution

Frederick Community College	6,252	981
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### 4-year institutions

Hood College	2,144	624
Mount St. Mary's University	2,186	605

Several major universities are within an easy commute of the county.

## TAX RATES<sup>9</sup>

	Frederick Co.	Maryland
<b>Corporate Income Tax (2017)</b>	none	8.25%

Base – federal taxable income

<b>Personal Income Tax (2017)</b>	2.96%	2.0%-5.75%*
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Base – federal adjusted gross income

\*Graduated rate peaking at 5.75% on taxable income over \$300,000

<b>Sales &amp; Use Tax (2017)</b>	none	6.0%
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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

<b>Real Property Tax (FY 18)</b>	\$1.06	\$0.112
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Effective rate per \$100 of assessed value

In an incorporated area, the county rate may vary and a municipal rate will also apply

<b>Business Personal Property Tax (FY 18)</b>	none	none
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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

## INCOME<sup>3</sup> (2011-2015)

Distribution	Percent Households		
	Frederick Co.	Maryland	U.S.
Under \$25,000	11.2	15.3	23.0
\$25,000 - \$49,999	16.2	17.9	23.5
\$50,000 - \$74,999	17.3	17.1	17.8
\$75,000 - \$99,999	14.1	13.4	12.1
\$100,000 - \$149,999	21.7	18.2	13.1
\$150,000 - \$199,999	10.6	9.0	5.1
\$200,000 and over	8.8	9.2	5.3
Median household	\$83,700	\$74,551	\$53,889
Average household	\$100,589	\$97,801	\$75,558
Per capita	\$37,449	\$36,897	\$28,930
Total income (millions)	\$8,902	\$211,875	\$8,834,710

## HOUSING<sup>2,3,10</sup>

Occupied Units (2011-2015)	88,494 (73.9% owner occupied)
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Housing Transactions	Units	Median Selling Price
All arms-length transactions (2015)	3,579	\$302,000
All multiple-listed properties (2016)*	4,093	\$272,302

\*Excludes auctions and FSBO

## BUSINESS AND INDUSTRIAL PROPERTY<sup>6</sup>

Frederick County offers upscale research and development, office and industrial campuses with in-place amenities. Over 30 industrial and office parks have available sites ranging from one to 200 acres with easy access to a vast transportation network. The inventory of available space totals over 3 million sq. ft.

Frederick County Office of Economic Development uses a comprehensive site database, CoStar Property, to assist businesses in the site selection process. The following are selected business parks in the Frederick area: 270 Technology Park, Ballenger Creek Center, Center at Monocacy, Frederick Airport Park, Jefferson Tech Park, Intercoastal Industrial Center, Knowledge Farms, Omega Center, Riverside Industrial Park, Riverside Tech Park, Stanford Industrial Park, Urbana Office & Research Center, Wedgewood Business Park, Westview South and Westview Corporate Campus. These locations offer outstanding opportunities for information technology, bioscience or manufacturing operations.

### Business Incubator

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

Market Profile Data (2016)	Low	High	Average
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### Land – cost per acre

Industrial	\$15,000	\$400,000	\$140,000
Office	\$40,000	\$700,000	\$370,000

### Rental Rates – per square foot

Warehouse / Industrial	\$4.00	\$10.50	\$6.50
Flex / R&D / Technology	\$5.00	\$18.00	\$10.00
Class A Office	\$12.00	\$36.00	\$18.00

# 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:** 71 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:** The Allegheny Power System and Thurmont Municipal Light Company; customers of investor-owned utilities and major cooperatives may choose their electric supplier

**Gas:** Frederick Gas Company, a division of 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; Long distance carriers - AT&T, LCI, Sprint Nextel, 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

## GOVERNMENT<sup>11</sup>

**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

Harold F. (Bud) Otis, Jr., Pres., County Council 301.600.1303

**Website:** [www.frederickcountymd.gov](http://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, Licensing and Regulation, 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