

# Highest Ranked Occupations

Top 50 Occupations (5-Digit) in Montgomery County, MD

EMSI Q3 2015 Data Set

December 2015

## Montgomery College



900 Hungerford Drive  
Rockville, Maryland 20850

# Parameters

## Regions

Code	Description
24031	Montgomery County, MD

## Timeframe

2015 - 2025

## Datarun

2015.3 - Employees

# Largest Occupations

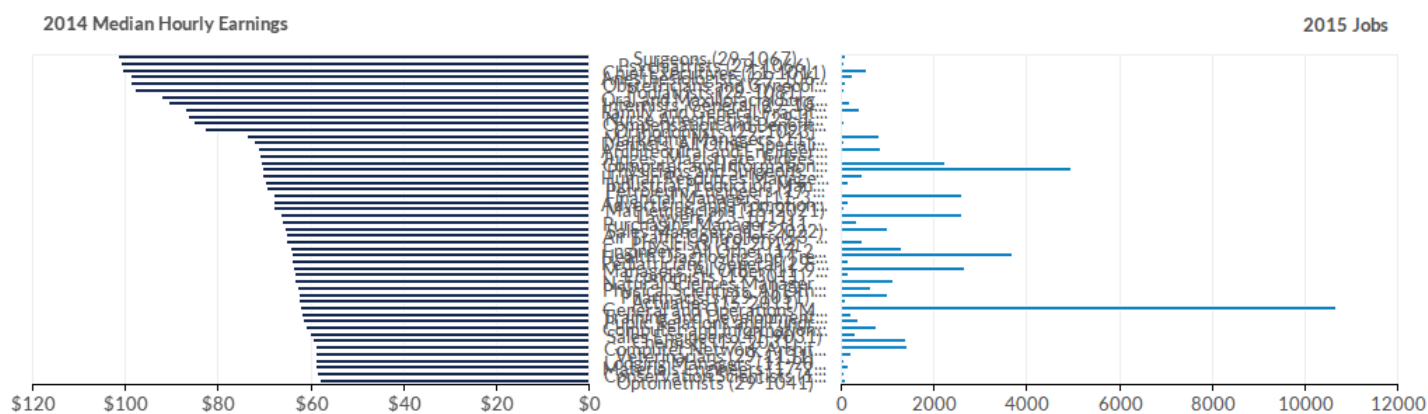


Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Retail Salespersons	11,320	10,816	-504	-4%	\$11.03
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,238	11,632	394	4%	\$19.85
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	10,938	11,695	757	7%	\$12.09
General and Operations Managers	10,681	10,662	-18	0%	\$62.27
Cashiers	10,528	10,548	20	0%	\$9.59
Combined Food Preparation and Serving Workers, Including Fast Food	8,829	9,886	1,057	12%	\$9.14
Military occupations	8,102	8,203	101	1%	\$15.04
Business Operations Specialists, All Other	7,612	7,530	-83	-1%	\$41.12
Office Clerks, General	7,356	7,290	-65	-1%	\$15.45
Registered Nurses	6,912	7,414	502	7%	\$37.56
Accountants and Auditors	6,529	6,748	220	3%	\$39.80
Waiters and Waitresses	6,403	6,750	347	5%	\$9.25
Customer Service Representatives	6,231	6,111	-120	-2%	\$17.79
First-Line Supervisors of Office and Administrative Support Workers	5,782	5,705	-77	-1%	\$29.94
Stock Clerks and Order Fillers	5,406	5,240	-166	-3%	\$12.25
Nursing Assistants	5,160	5,526	366	7%	\$14.51
Physicians and Surgeons, All Other	4,965	5,015	50	1%	\$70.47
Sales Representatives, Services, All Other	4,771	4,735	-36	-1%	\$31.94

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Bookkeeping, Accounting, and Auditing Clerks	4,654	4,784	130	3%	\$23.53
Security Guards	4,612	3,950	-662	-14%	\$17.05
Management Analysts	4,528	4,469	-59	-1%	\$46.00
Receptionists and Information Clerks	4,519	4,494	-24	-1%	\$14.07
Elementary School Teachers, Except Special Education	4,208	4,400	192	5%	\$32.17
Maintenance and Repair Workers, General	4,157	4,288	132	3%	\$21.39
Maids and Housekeeping Cleaners	4,079	4,192	113	3%	\$11.39
Laborers and Freight, Stock, and Material Movers, Hand	4,017	3,811	-205	-5%	\$13.03
Personal Care Aides	3,966	4,526	561	14%	\$11.43
Childcare Workers	3,918	4,225	307	8%	\$11.56
Landscaping and Groundskeeping Workers	3,736	4,028	291	8%	\$12.82
Health Diagnosing and Treating Practitioners, All Other	3,688	3,597	-90	-2%	\$64.10
Software Developers, Systems Software	3,655	3,665	10	0%	\$49.61
Software Developers, Applications	3,571	3,852	281	8%	\$50.97
First-Line Supervisors of Retail Sales Workers	3,534	3,463	-71	-2%	\$21.30
Executive Secretaries and Executive Administrative Assistants	3,457	3,163	-294	-9%	\$33.22
Computer Systems Analysts	3,430	3,540	110	3%	\$43.01
Secondary School Teachers, Except Special and Career/Technical Education	3,365	3,348	-18	-1%	\$33.98
Teacher Assistants	3,165	3,337	172	5%	\$13.52
Middle School Teachers, Except Special and Career/Technical Education	3,097	3,216	119	4%	\$35.58
Interviewers, Except Eligibility and Loan	3,094	3,029	-66	-2%	\$18.05
Construction Laborers	3,033	3,379	345	11%	\$14.95
Medical and Health Services Managers	2,969	3,058	88	3%	\$51.81
Cooks, Restaurant	2,872	3,244	372	13%	\$11.58
Network and Computer Systems Administrators	2,796	2,716	-79	-3%	\$46.59

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Computer User Support Specialists	2,790	2,940	150	5%	\$28.37
Managers, All Other	2,662	2,626	-36	-1%	\$63.84
Computer Occupations, All Other	2,652	2,589	-64	-2%	\$54.36
Medical Secretaries	2,605	2,942	337	13%	\$16.50
Financial Managers	2,600	2,529	-71	-3%	\$68.00
First-Line Supervisors of Food Preparation and Serving Workers	2,600	2,881	281	11%	\$19.13
Lawyers	2,594	2,688	94	4%	\$66.37

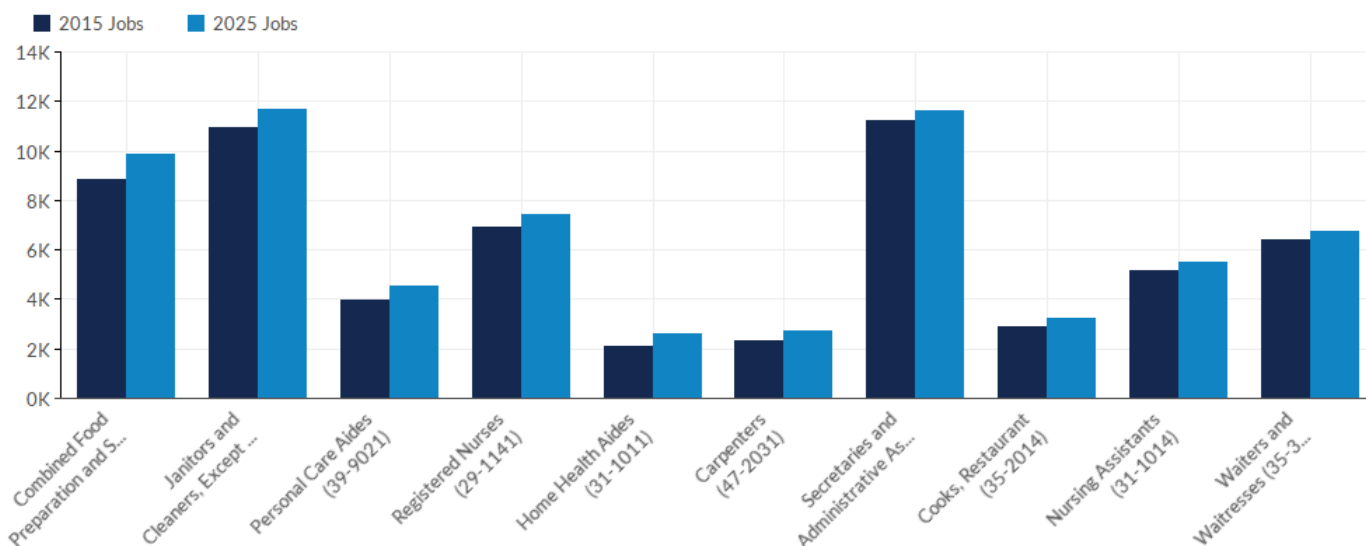
# Highest Paying Occupations



Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Earnings Per Worker
Surgeons	105	116	11	10%	\$102
Psychiatrists	48	51	3	6%	\$101
Chief Executives	542	556	14	3%	\$101
Anesthesiologists	242	256	14	6%	\$99
Obstetricians and Gynecologists	101	102	1	1%	\$99
Podiatrists	55	58	3	5%	\$98
Oral and Maxillofacial Surgeons	21	22	1	5%	\$92
Internists, General	180	182	2	1%	\$91
Family and General Practitioners	391	402	11	3%	\$87
Nurse Anesthetists	10	19	9	90%	\$86
Compensation and Benefits Managers	70	67	-3	-4%	\$85
Orthodontists	36	37	1	3%	\$83
Marketing Managers	804	815	11	1%	\$74
Dentists, All Other Specialists	57	55	-2	-4%	\$72
Architectural and Engineering Managers	848	784	-64	-8%	\$71
Judges, Magistrate Judges, and Magistrates	39	38	-1	-3%	\$71
Computer and Information Systems Managers	2,231	2,223	-8	0%	\$71
Physicians and Surgeons, All Other	4,965	5,015	50	1%	\$70
Human Resources Managers	466	479	13	3%	\$70
Industrial Production Managers	164	154	-10	-6%	\$70
Petroleum Engineers	13	14	1	8%	\$70

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Earnings Per Worker
Financial Managers	2,600	2,529	-71	-3%	\$68
Advertising and Promotions Managers	137	124	-13	-9%	\$68
Mathematicians	74	77	3	4%	\$68
Lawyers	2,594	2,688	94	4%	\$66
Purchasing Managers	329	315	-14	-4%	\$66
Sales Managers	1,000	959	-41	-4%	\$66
Air Traffic Controllers	11	19	8	73%	\$65
Physicists	463	427	-36	-8%	\$65
Engineers, All Other	1,299	1,241	-58	-4%	\$64
Health Diagnosing and Treating Practitioners, All Other	3,688	3,597	-91	-2%	\$64
Pediatricians, General	143	145	2	1%	\$64
Managers, All Other	2,662	2,626	-36	-1%	\$64
Economists	143	197	54	38%	\$64
Natural Sciences Managers	1,124	1,067	-57	-5%	\$63
Physical Scientists, All Other	639	608	-31	-5%	\$63
Pharmacists	1,008	1,092	84	8%	\$63
Actuaries	101	96	-5	-5%	\$63
General and Operations Managers	10,681	10,662	-19	0%	\$62
Training and Development Managers	200	200	0	0%	\$62
Public Relations and Fundraising Managers	371	399	28	8%	\$62
Computer and Information Research Scientists	753	792	39	5%	\$61
Sales Engineers	296	281	-15	-5%	\$60
Chemists	1,382	1,314	-68	-5%	\$60
Computer Network Architects	1,431	1,351	-80	-6%	\$59
Veterinarians	223	259	36	16%	\$59
Lodging Managers	59	47	-12	-20%	\$59
Materials Engineers	158	148	-10	-6%	\$59
Conservation Scientists	58	61	3	5%	\$59
Optometrists	92	114	22	24%	\$58

# Fastest Growing Occupations



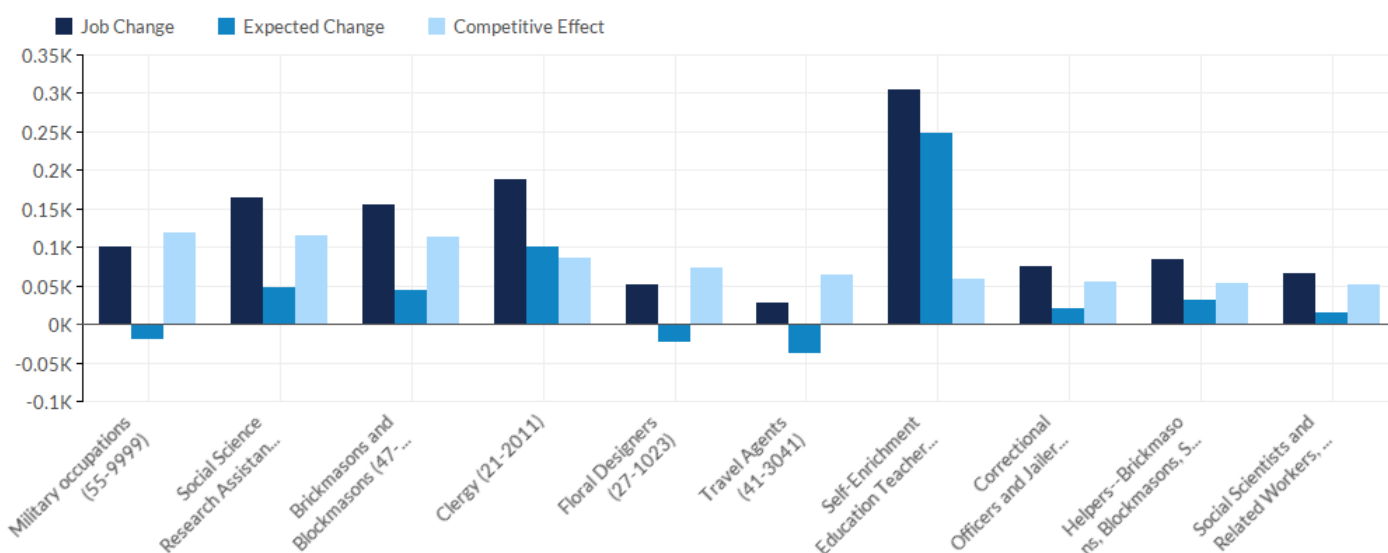
Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Combined Food Preparation and Serving Workers, Including Fast Food	8,829	9,886	1,057	12%	\$9.14
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	10,938	11,695	757	7%	\$12.09
Personal Care Aides	3,966	4,526	561	14%	\$11.43
Registered Nurses	6,912	7,414	502	7%	\$37.56
Home Health Aides	2,096	2,584	489	23%	\$13.19
Carpenters	2,306	2,725	419	18%	\$23.17
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	11,238	11,632	394	4%	\$19.85
Cooks, Restaurant	2,872	3,244	372	13%	\$11.58
Nursing Assistants	5,160	5,526	366	7%	\$14.51
Waiters and Waitresses	6,403	6,750	347	5%	\$9.25
Construction Laborers	3,033	3,379	345	11%	\$14.95
Medical Secretaries	2,605	2,942	337	13%	\$16.50
Preschool Teachers, Except Special Education	2,198	2,531	333	15%	\$15.15
Childcare Workers	3,918	4,225	307	8%	\$11.56
Self-Enrichment Education Teachers	1,351	1,656	305	23%	\$15.01
Landscaping and Groundskeeping Workers	3,736	4,028	291	8%	\$12.82
Software Developers, Applications	3,571	3,852	281	8%	\$50.97



Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
First-Line Supervisors of Food Preparation and Serving Workers	2,600	2,881	281	11%	\$19.13
Market Research Analysts and Marketing Specialists	2,101	2,369	268	13%	\$32.87
Medical Assistants	2,490	2,738	248	10%	\$16.48
Accountants and Auditors	6,529	6,748	220	3%	\$39.80
Elementary School Teachers, Except Special Education	4,208	4,400	192	5%	\$32.17
Clergy	891	1,078	187	21%	\$26.43
Teacher Assistants	3,165	3,337	172	5%	\$13.52
Licensed Practical and Licensed Vocational Nurses	2,341	2,512	171	7%	\$26.02
Teachers and Instructors, All Other	1,146	1,316	170	15%	\$32.49
Social Science Research Assistants	304	468	164	54%	\$24.36
Automotive Service Technicians and Mechanics	2,405	2,561	157	7%	\$23.82
Brickmasons and Blockmasons	255	411	156	61%	\$20.00
Pharmacy Technicians	1,068	1,221	153	14%	\$17.24
Computer User Support Specialists	2,790	2,940	150	5%	\$28.37
Bartenders	1,288	1,437	149	12%	\$9.32
First-Line Supervisors of Construction Trades and Extraction Workers	1,993	2,139	147	7%	\$31.57
Plumbers, Pipefitters, and Steamfitters	1,668	1,809	142	8%	\$27.00
Meeting, Convention, and Event Planners	645	784	139	22%	\$32.63
Maintenance and Repair Workers, General	4,157	4,288	132	3%	\$21.39
Bookkeeping, Accounting, and Auditing Clerks	4,654	4,784	130	3%	\$23.53
Nonfarm Animal Caretakers	630	750	120	19%	\$11.13
Middle School Teachers, Except Special and Career/Technical Education	3,097	3,216	119	4%	\$35.58
Maids and Housekeeping Cleaners	4,079	4,192	113	3%	\$11.39
Food Preparation Workers	2,500	2,610	110	4%	\$10.08
Computer Systems Analysts	3,430	3,540	110	3%	\$43.01

Occupation	2015 Jobs	2025 Jobs	Change in Jobs (2015-2025)	% Change	2014 Median Hourly Earnings
Veterinary Technologists and Technicians	523	633	110	21%	\$19.14
Personal Financial Advisors	668	778	110	16%	\$44.87
Directors, Religious Activities and Education	517	622	105	20%	\$35.95
Social and Human Service Assistants	1,094	1,196	102	9%	\$18.47
Military occupations	8,102	8,203	101	1%	\$15.04
Medical and Clinical Laboratory Technicians	998	1,099	100	10%	\$24.34
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1,138	1,236	98	9%	\$26.65
Coaches and Scouts	828	924	97	12%	\$15.56

# Most Competitive Occupations

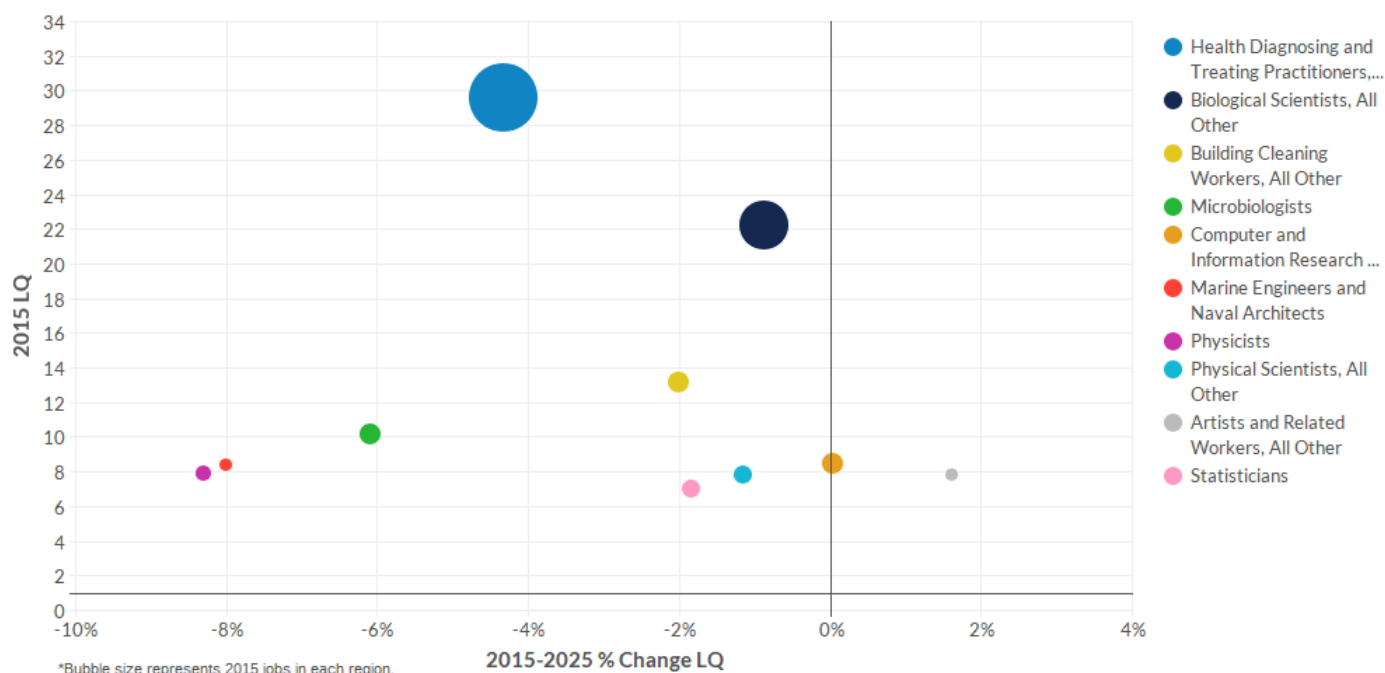


Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Military occupations	101	-953	934	-19	119
Social Science Research Assistants	164	13	35	48	116
Brickmasons and Blockmasons	156	14	29	43	113
Clergy	187	-2	103	101	86
Floral Designers	52	-40	18	-22	74
Travel Agents	28	-73	37	-36	63
Self-Enrichment Education Teachers	305	92	156	248	58
Correctional Officers and Jailers	76	-15	36	21	55
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	84	10	21	31	54
Social Scientists and Related Workers, All Other	67	-24	39	15	52
Directors, Religious Activities and Education	105	-5	60	55	50
Anthropologists and Archeologists	57	6	9	15	42
Economists	54	4	17	21	33
Musicians and Singers	64	-7	41	34	29
Butchers and Meat Cutters	57	-14	47	33	23
Parking Lot Attendants	59	-5	43	38	21
Religious Workers, All Other	45	-2	26	24	21
Mixing and Blending Machine Setters, Operators, and Tenders	21	-13	15	2	19

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Sociologists	21	0	2	2	19
Carpenters	419	135	266	401	18
Music Directors and Composers	34	-6	22	16	18
Stonemasons	31	6	10	16	16
Political Scientists	22	3	5	8	15
Transportation Security Screeners	17	-1	4	3	14
Preschool Teachers, Except Special Education	333	66	253	319	14
Plasterers and Stucco Masons	12	-7	5	-2	14
Chemical Equipment Operators and Tenders	10	-22	19	-3	13
Locksmiths and Safe Repairers	22	3	7	10	12
Detectives and Criminal Investigators	18	-8	15	7	11
Ushers, Lobby Attendants, and Ticket Takers	28	-11	28	17	11
Nonfarm Animal Caretakers	120	37	73	110	10
Bus Drivers, Transit and Intercity	16	-1	6	5	10
Teachers and Instructors, All Other	170	28	132	160	10
Labor Relations Specialists	10	-16	17	1	10
Power Plant Operators	3	-24	18	-6	8
Ophthalmic Medical Technicians	11	1	2	3	8
Farmworkers, Farm, Ranch, and Aquacultural Animals	11	-4	7	3	8
Meat, Poultry, and Fish Cutters and Trimmers	9	-1	3	2	8
Air Traffic Controllers	8	-1	1	0	7
Chemical Plant and System Operators	7	-3	2	-1	7
Nurse Anesthetists	9	1	1	2	7
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	6	-3	3	0	7
Forest and Conservation Technicians	7	-2	3	1	6
Paper Goods Machine Setters, Operators, and Tenders	5	-2	1	-1	6
Eligibility Interviewers, Government Programs	12	-1	8	7	5
Education Administrators, Preschool and Childcare Center/Program	48	10	33	43	5

Occupation	Job Change	Occ Mix Effect	Nat Growth Effect	Expected Change	Competitive Effect
Tax Examiners and Collectors, and Revenue Agents	5	-9	9	0	5
Postal Service Mail Sorters, Processors, and Processing Machine Operators	-77	-127	46	-81	5
Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and Tenders	7	-2	5	3	4
Motion Picture Projectionists	2	-3	2	-1	3

## Highest Occupation Location Quotient



Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Health Diagnosing and Treating Practitioners, All Other	3,688	3,597	-2%	29.61	28.33	-4%	\$64.10
Biological Scientists, All Other	2,511	2,377	-5%	22.26	22.06	-1%	\$44.51
Building Cleaning Workers, All Other	742	773	4%	13.22	12.95	-2%	\$11.71
Microbiologists	734	699	-5%	10.22	9.60	-6%	\$53.70
Computer and Information Research Scientists	753	792	5%	8.49	8.49	0%	\$60.91
Marine Engineers and Naval Architects	227	220	-3%	8.38	7.71	-8%	\$56.96
Physicists	463	427	-8%	7.97	7.31	-8%	\$65.30
Physical Scientists, All Other	639	608	-5%	7.87	7.77	-1%	\$62.75
Artists and Related Workers, All Other	207	203	-2%	7.86	7.99	2%	\$38.74
Statisticians	682	755	11%	7.01	6.88	-2%	\$54.69
Atmospheric and Space Scientists	254	251	-2%	6.66	6.34	-5%	\$49.92
Biochemists and Biophysicists	725	706	-3%	6.63	6.00	-9%	\$41.98
Survey Researchers	354	395	12%	6.62	7.00	6%	\$39.50
Mathematicians	74	77	5%	6.27	6.06	-3%	\$67.91
Natural Sciences Managers	1,124	1,067	-5%	6.15	5.88	-4%	\$63.42
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	153	141	-8%	5.65	6.04	7%	\$14.18

Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Shampooers	301	275	-9%	5.36	5.26	-2%	\$8.83
Psychologists, All Other	207	232	12%	4.86	5.25	8%	\$54.91
Life Scientists, All Other	159	163	2%	4.86	4.78	-2%	\$46.28
Healthcare Practitioners and Technical Workers, All Other	681	682	0%	4.84	4.65	-4%	\$50.58
Personal Care and Service Workers, All Other	1,065	1,066	0%	4.82	4.78	-1%	\$16.89
Chemists	1,382	1,314	-5%	4.70	4.54	-3%	\$59.58
Physicians and Surgeons, All Other	4,965	5,015	1%	4.65	4.46	-4%	\$70.47
Archivists	87	91	5%	4.41	4.46	1%	\$22.30
Health Educators	866	889	3%	4.33	4.22	-3%	\$50.78
Interviewers, Except Eligibility and Loan	3,094	3,029	-2%	4.25	4.15	-2%	\$18.05
Musical Instrument Repairers and Tuners	100	80	-20%	4.21	3.46	-18%	\$16.12
Biomedical Engineers	300	324	8%	4.17	3.94	-6%	\$48.34
Forensic Science Technicians	194	196	1%	4.15	4.23	2%	\$32.08
Medical Scientists, Except Epidemiologists	1,424	1,347	-5%	4.13	3.74	-9%	\$55.44
Court Reporters	233	198	-15%	3.70	3.20	-14%	\$18.38
Computer Occupations, All Other	2,652	2,589	-2%	3.55	3.50	-1%	\$54.36
Technical Writers	569	554	-3%	3.45	3.18	-8%	\$41.15
Zoologists and Wildlife Biologists	222	215	-3%	3.35	3.26	-3%	\$45.84
Biological Technicians	804	792	-2%	3.25	3.13	-4%	\$28.34
Anthropologists and Archeologists	82	139	70%	3.24	5.08	57%	\$21.08
Computer Hardware Engineers	849	729	-14%	3.21	2.73	-15%	\$54.02
Social Science Research Assistants	304	468	54%	3.16	4.60	46%	\$24.36
Historians	36	40	14%	3.14	3.71	18%	\$22.15
Information and Record Clerks, All Other	2,061	1,872	-9%	3.11	3.13	1%	\$23.77
Budget Analysts	602	609	1%	3.05	3.14	3%	\$44.34
Dentists, All Other Specialists	57	55	-2%	3.02	3.00	-1%	\$72.14
Social Scientists and Related Workers, All Other	339	406	20%	2.99	3.77	26%	\$33.66

Occupation	2015 Jobs	2025 Jobs	% Change	2015 LQ	2025 LQ	% Change LQ	2014 Median Hourly Earnings
Engineers, All Other	1,299	1,241	-4%	2.98	2.92	-2%	\$64.32
Computer Network Architects	1,431	1,351	-6%	2.96	2.68	-9%	\$58.97
Education Administrators, All Other	323	340	5%	2.89	2.99	3%	\$50.77
Genetic Counselors	23	28	21%	2.87	2.90	1%	\$46.40
Animal Scientists	26	24	-8%	2.86	2.65	-8%	\$50.51
Legal Support Workers, All Other	458	450	-2%	2.81	2.88	3%	\$44.99
Medical and Health Services Managers	2,969	3,058	3%	2.79	2.68	-4%	\$51.81



# Appendix A - Data Sources and Calculations

## Occupation Data

EMSI occupation employment data are based on final EMSI industry data and final EMSI staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates also affected by county-level EMSI earnings by industry.

## State Data Sources

This report uses state data from the following agencies: Maryland Department of Labor, Licensing and Regulation, Office of Labor Market Analysis and Information