

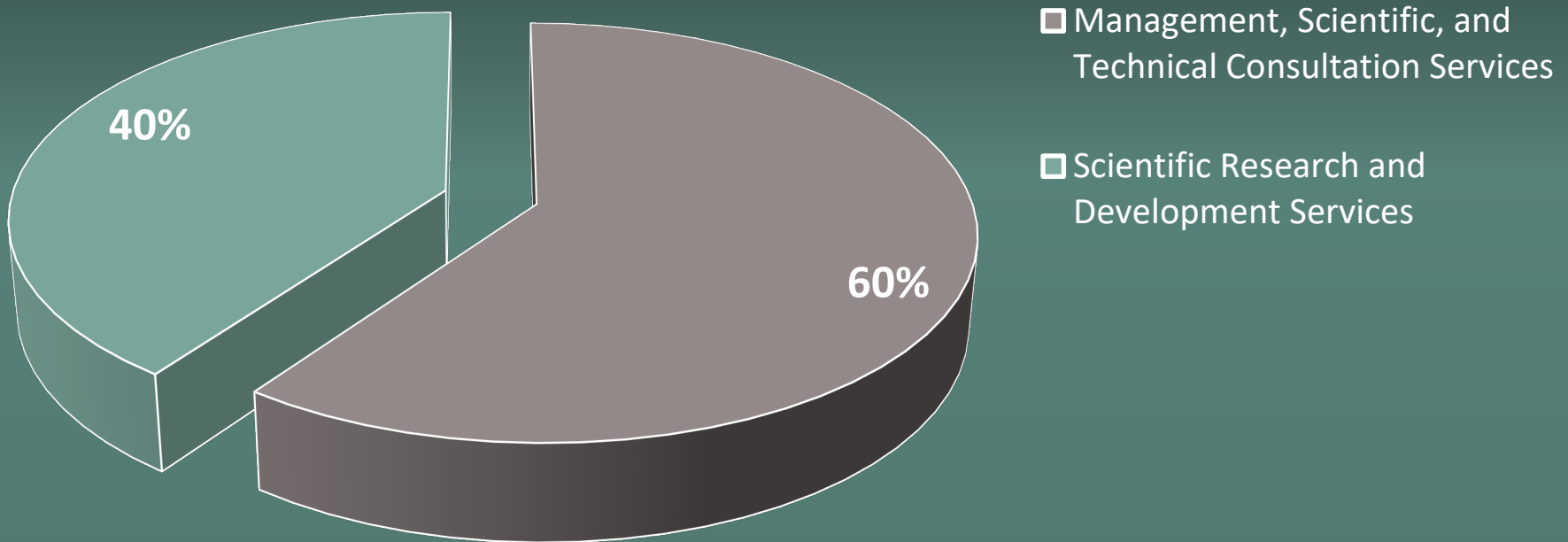


Alabama  
Department  
of Labor

# Accelerate Alabama Research and Development

Alabama Department of Labor  
Labor Market Information Division

# Alabama Research & Development Employment by Industry Sectors



# Alabama Research & Development Industry Overview

Sector	# of Companies	# Employed
Management, Scientific, and Technical Consultation Services	3,434	13,580
Scientific Research and Development Services	534	9,057

# Management, Scientific, and Technical Consultation Services

## 5416 Management, Scientific, and Technical Consultation Services

This industry group comprises establishments primarily engaged in providing advice and assistance to businesses and other organizations on management issues, such as strategic and organizational planning; financial planning and budgeting; marketing objectives and policies; human resource policies, practices, and planning; production scheduling; and control planning.

3,434 companies; 13,580 employed;  
60% of Research & Development  
Industry Employment

# of Employees	% of Companies
1-49	99%
50-99	1%
100-249	0%
250+	0%

**Source:** Quarterly Census of Employment and Wages, 2021 annual average. *Note: Numbers may not equal 100% due to rounding.*

### Top 5 Job Categories:

- 10% Management Analysts
- 7% Inspectors, Testers, Sorters, Samplers, and Weighers
- 6% General and Operations Managers
- 5% Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
- 4% Miscellaneous Assemblers and Fabricators

**Source:** 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

# Management, Scientific, and Technical Consultation Services Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	480	\$5,478	\$4,701	18.4%
2 – 3 Years	667	\$5,674	\$4,424	11.3%
4 – 5 Years	804	\$5,891	\$4,862	11.6%
6 – 10 Years	1,632	\$5,850	\$4,082	12.7%
11+ Years	8,079	\$7,017	\$5,319	10.7%
All Firm Ages	11,660	\$6,635	\$5,010	11.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2021 annual average data shown. *\*Data not available or marked confidential. Note: Data may not add due to rounding.*

# Scientific Research and Development Services

## 5417 Scientific Research and Development Services

This industry group comprises establishments engaged in conducting original investigation undertaken on a systematic basis to gain new knowledge (research) and/or the application of research findings or other scientific knowledge for the creation of new or significantly improved products or processes (experimental development). The industries within this industry group are defined on the basis of the domain of research; that is, on the scientific expertise of the establishment.

534 companies; 9,057 employed;  
39% of Research & Development  
Industry Employment

# of Employees	% of Companies
1-49	95%
50-99	2%
100-249	2%
250+	1%

**Source:** Quarterly Census of Employment and Wages, 2021 annual average. *Note: Numbers may not equal 100% due to rounding.*

### Top 5 Job Categories:

- 19% Software Developers and Software Quality Assurance Analysts and Testers
- 12% Computer Systems Analysts
- 6% Computer Network Architects
- 4% Information Security Analysts
- 3% General and Operations Managers

**Source:** 2021 Release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics.

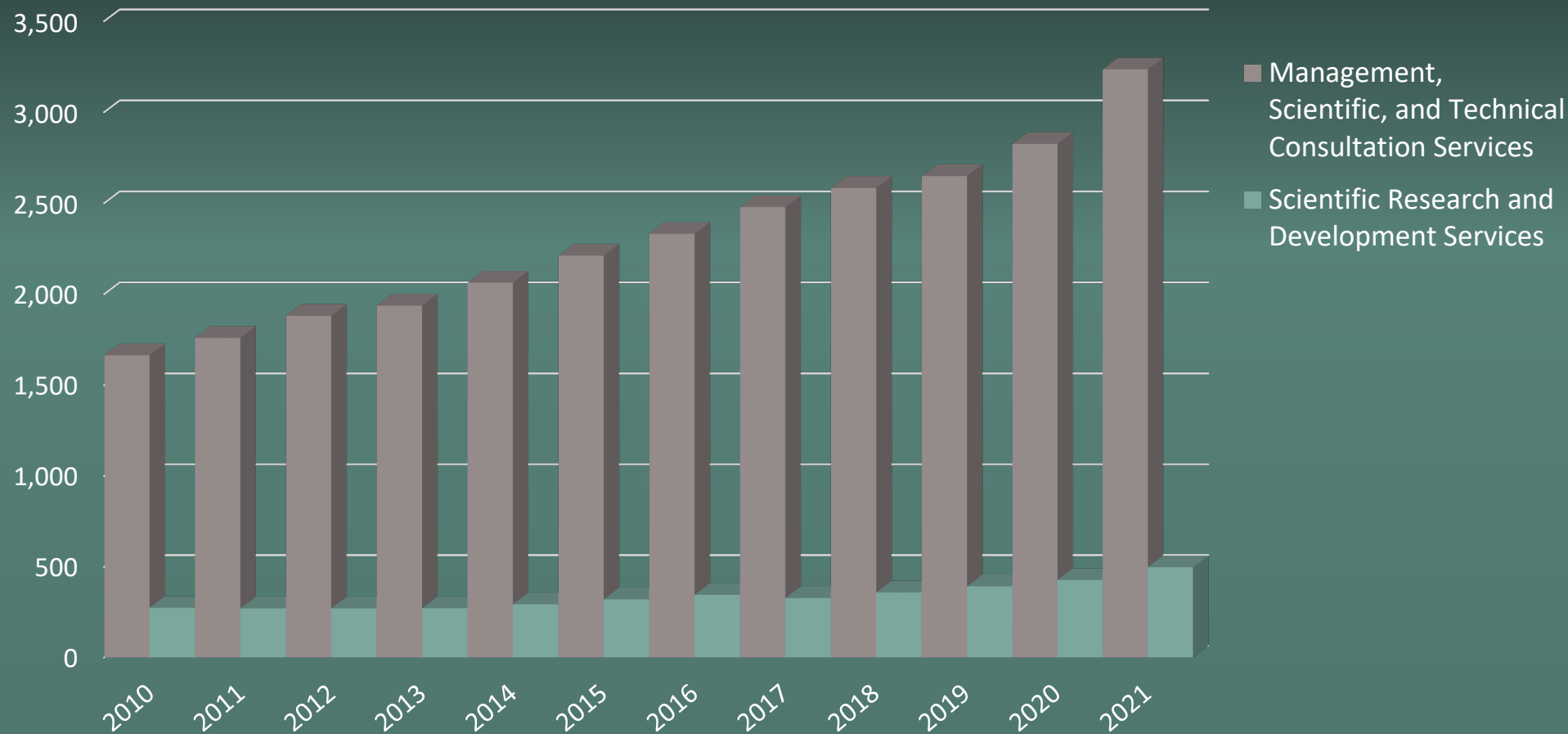
# Scientific Research and Development Services

## Firm Age Workforce Indicators

Firm Age	Employment	Monthly Earnings	Monthly Earnings New Hires	Turnover
0 – 1 Year	29	\$5,354	\$5,438	*
2 – 3 Years	164	\$7,949	\$6,467	8.4%
4 – 5 Years	118	\$7,957	\$5,363	11.0%
6 – 10 Years	235	\$7,973	\$7,511	9.5%
11+ Years	8,010	\$8,588	\$7,110	6.2%
All Firm Ages	8,555	\$8,537	\$7,037	6.4%

Source: Local Employment Household Dynamics Partnership between Alabama Department of Labor, Labor Market Information Division, and the U.S. Census Bureau, LED Extraction Tool; 2021 annual average data shown. *\*Data not available or marked confidential. Note: Data may not add due to rounding.*

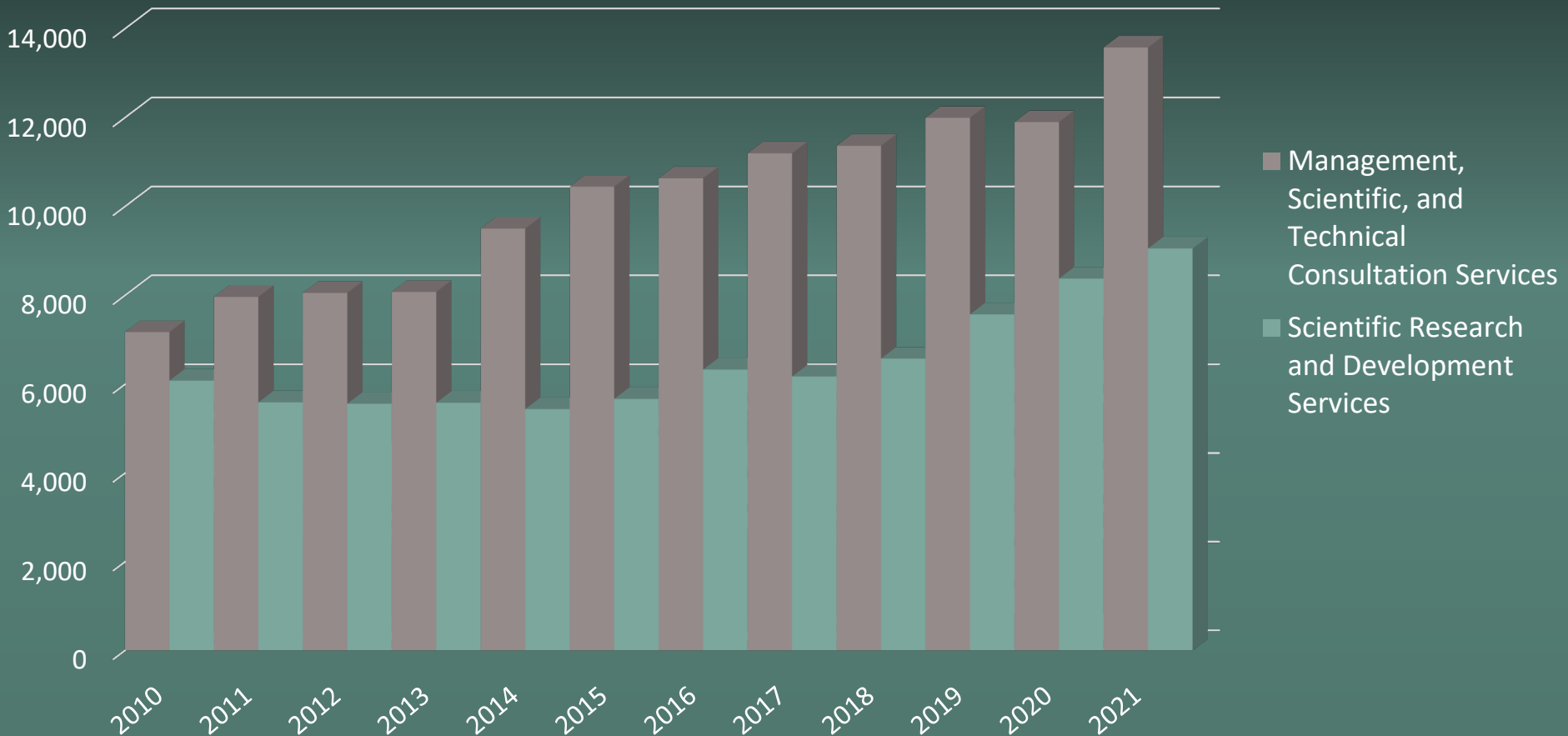
# Development of Alabama's Research & Development Industry by Company



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

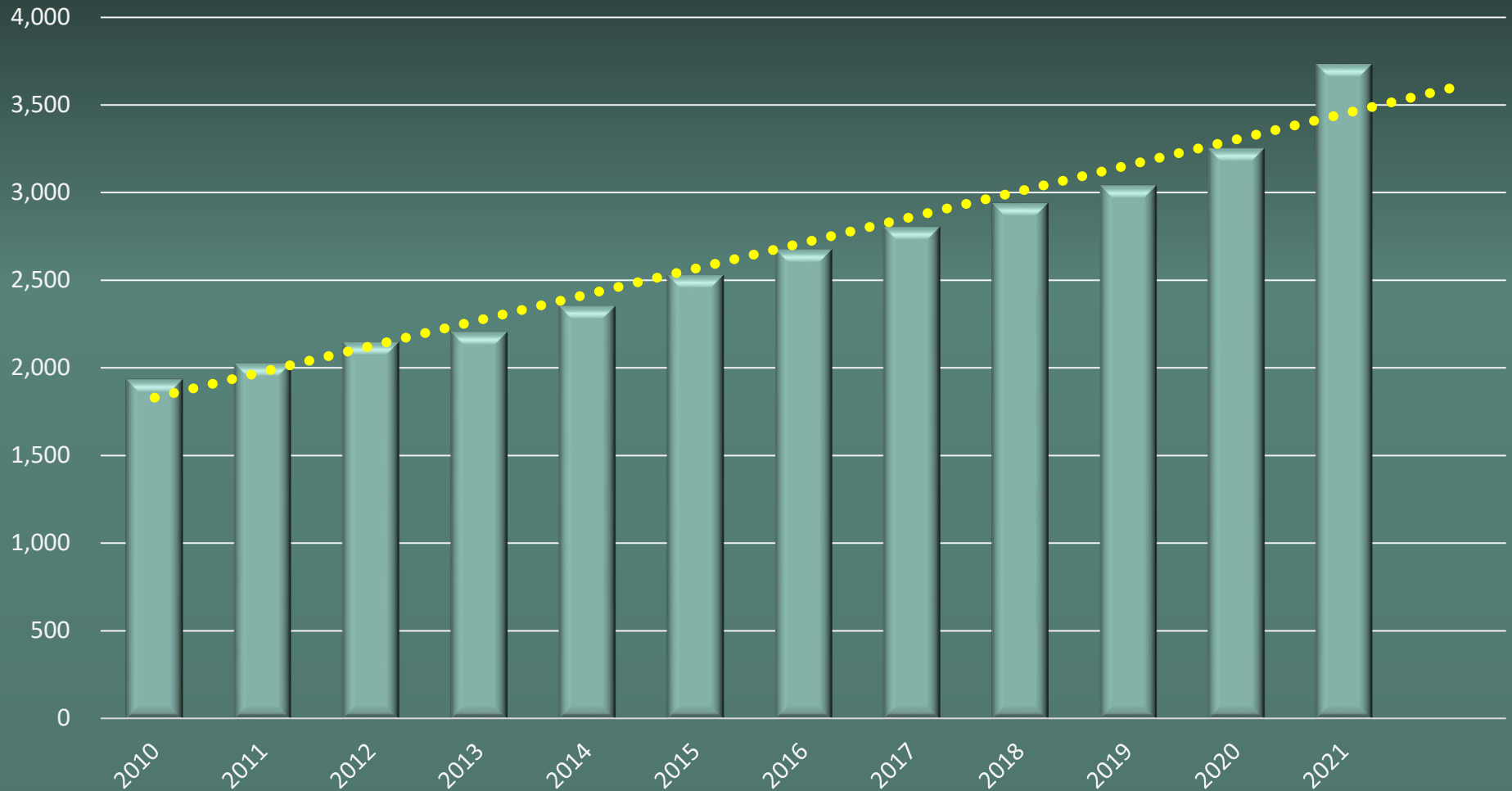


# Development of Alabama's Research & Development Industry by Employment



# Cluster Change Since 2010

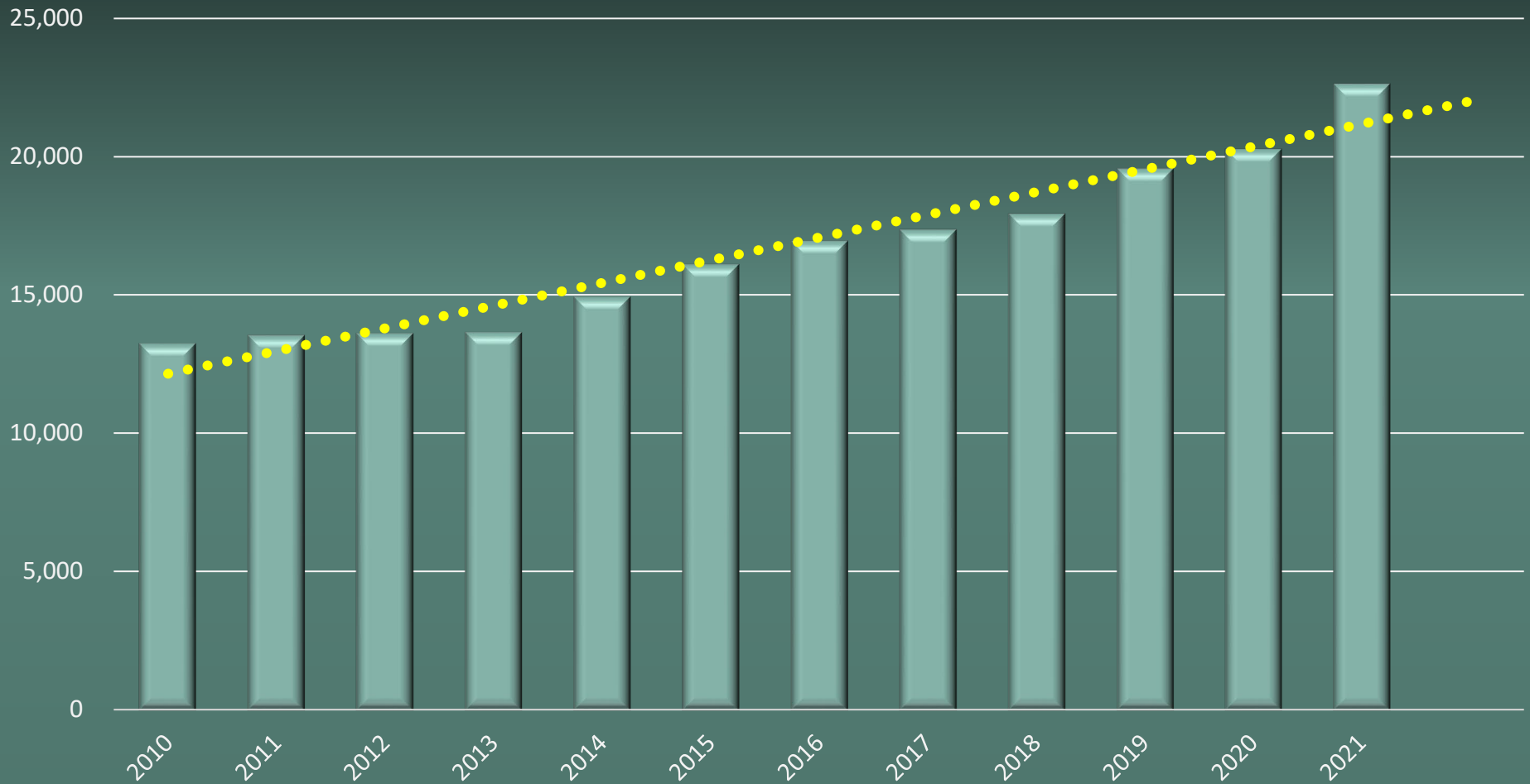
## Total Establishment



Source: Alabama Department of Labor, Quarterly Census of Employment and Wages.

# Cluster Change Since 2010

## Total Employment



# Top Occupations for Research & Development by Rounded Employment

Occupations	# of Jobs	% of Total
Software Developers and Software Quality Assurance Analysts and Testers	1,730	8.8%
Computer Systems Analysts	1,220	6.2%
Management Analysts	1,170	6.0%
General and Operations Managers	890	4.5%
Inspectors, Testers, Sorters, Samplers, and Weighers	800	4.1%
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	740	3.8%
Sales Representatives of Services, Except Advertising, Insurance, Financial Services, and Travel	590	3.0%
Computer Network Architects	520	2.6%
Information Security Analysts	470	2.4%
Remaining Occupations	11,580	58.9%

Source: Alabama Department of Labor, Labor Market Information Division in cooperation with the Projections Managing Partnership program and U.S. Bureau of Labor Statistics. Employment rounded to the nearest 10.

# Wage Information

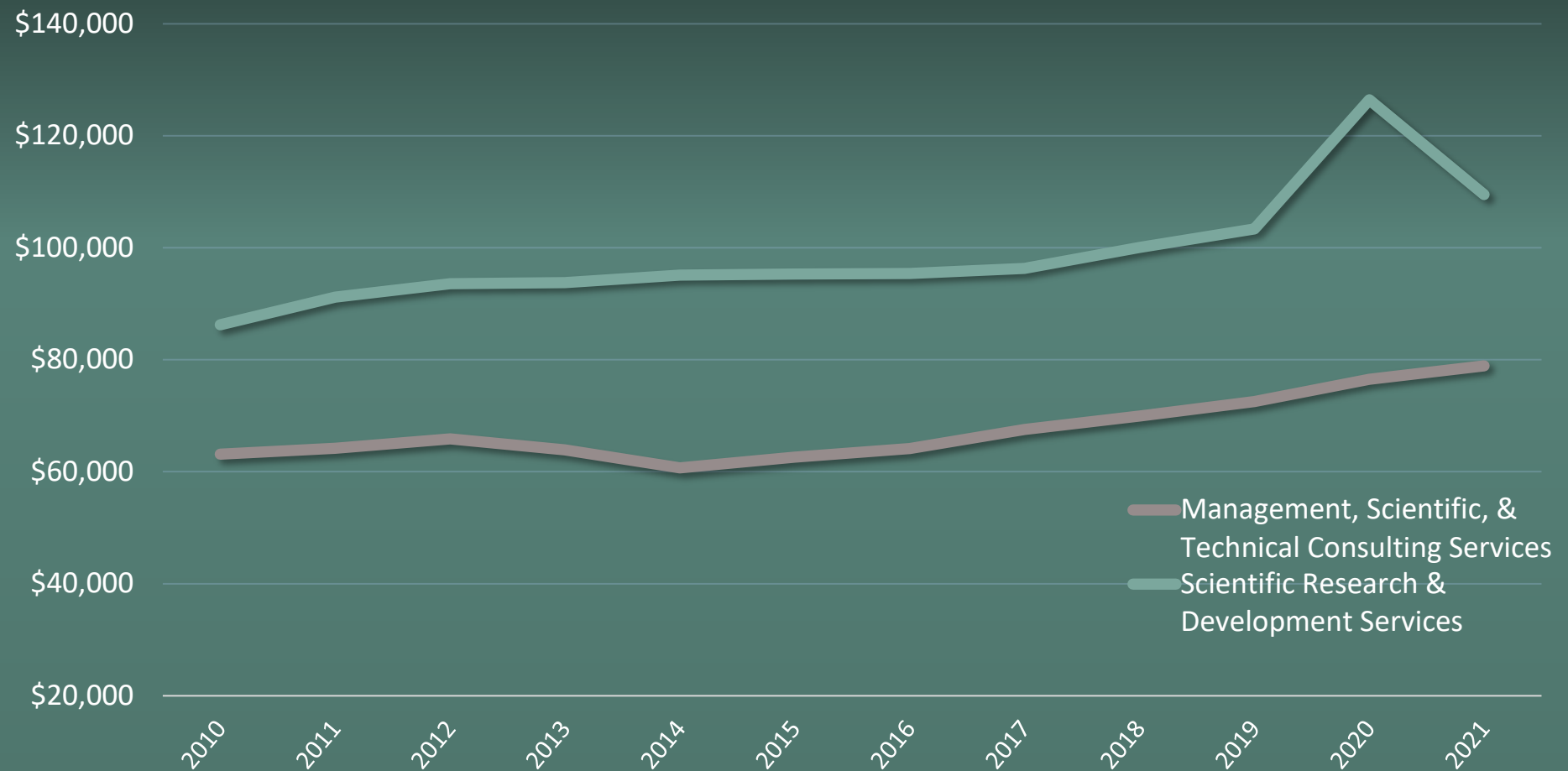
## Top 10 by Rounded Occupational Employment

Occupation	Rounded Emp.	Entry Hourly	Entry Annual	Median Hourly	Median Annual	Experienced Hourly	Experienced Annual
Software Developers & Software Quality Assurance Analysts & Testers	1,730	\$30.10	\$62,615	\$47.37	\$98,524	\$59.17	\$123,066
Computer Systems Analysts	1,220	\$29.92	\$62,239	\$42.57	\$88,552	\$52.49	\$109,170
Management Analysts	1,170	\$28.21	\$58,686	\$43.45	\$90,377	\$56.89	\$118,322
General and Operations Managers	890	\$26.83	\$55,799	\$48.64	\$101,174	\$74.42	\$154,798
Inspectors, Testers, Sorters, Samplers, and Weighers	800	\$11.76	\$24,471	\$16.44	\$34,195	\$21.43	\$44,582
Secretaries and Administrative Assistants, Except Legal, Medical, and Executive	740	\$12.89	\$26,820	\$17.33	\$36,041	\$20.13	\$41,870
Sales Reps of Services, Except Advertising, Insurance, Financial Services, and Travel	590	\$14.45	\$30,058	\$25.08	\$52,159	\$36.31	\$75,522
Computer Network Architects	520	\$36.33	\$75,572	\$51.02	\$106,123	\$61.53	\$127,978
Information Security Analysts	470	\$24.45	\$50,848	\$39.30	\$81,744	\$50.26	\$104,537
Misc. Assemblers and Fabricators	440	\$11.34	\$23,580	\$15.74	\$32,737	\$19.77	\$41,127

Source: 2021 release of the Occupational Employment Statistics (OES) Report in cooperation with the Bureau of Labor Statistics; wage data aged using the most current Employment Cost Index (ECI) factors. Annual wage information rounded to the nearest whole dollar. *Note: Data reflects wages across all industries, not specifically to respective industry cluster.* Entry and Experienced Wages equal 10th percentile and 90th percentile wages, respectively.

# Wage Information

## Total Wages by Industry



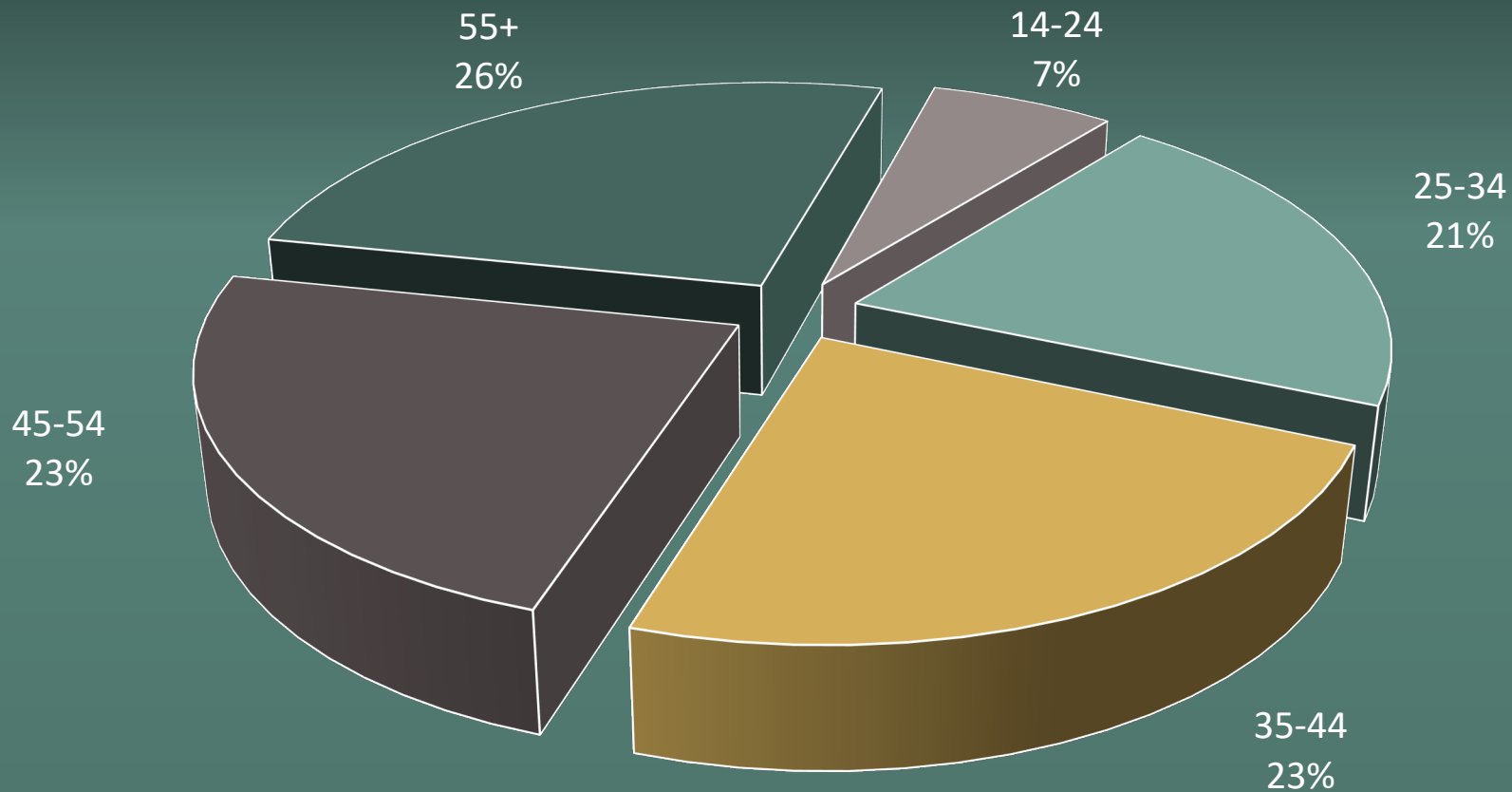
Source: Alabama Department of Labor, Quarterly Census of Employment and Wages

# 2021 Quarterly Workforce Indicators

NAICS	Industry	Average Turnover Rate	Average Job Gains	Average Net Job Flows	Average Monthly Earnings	Average Monthly Earnings – New Hires
5416	Management, Scientific, and Technical Consulting Services	11.4%	934	362	\$6,635	\$5,010
5417	Scientific Research and Development Services	6.4%	218	54	\$8,537	\$7,037

# 5416 Management, Scientific, and Technical Consultation Services

## 2021 Average Annual Employment by Age Group

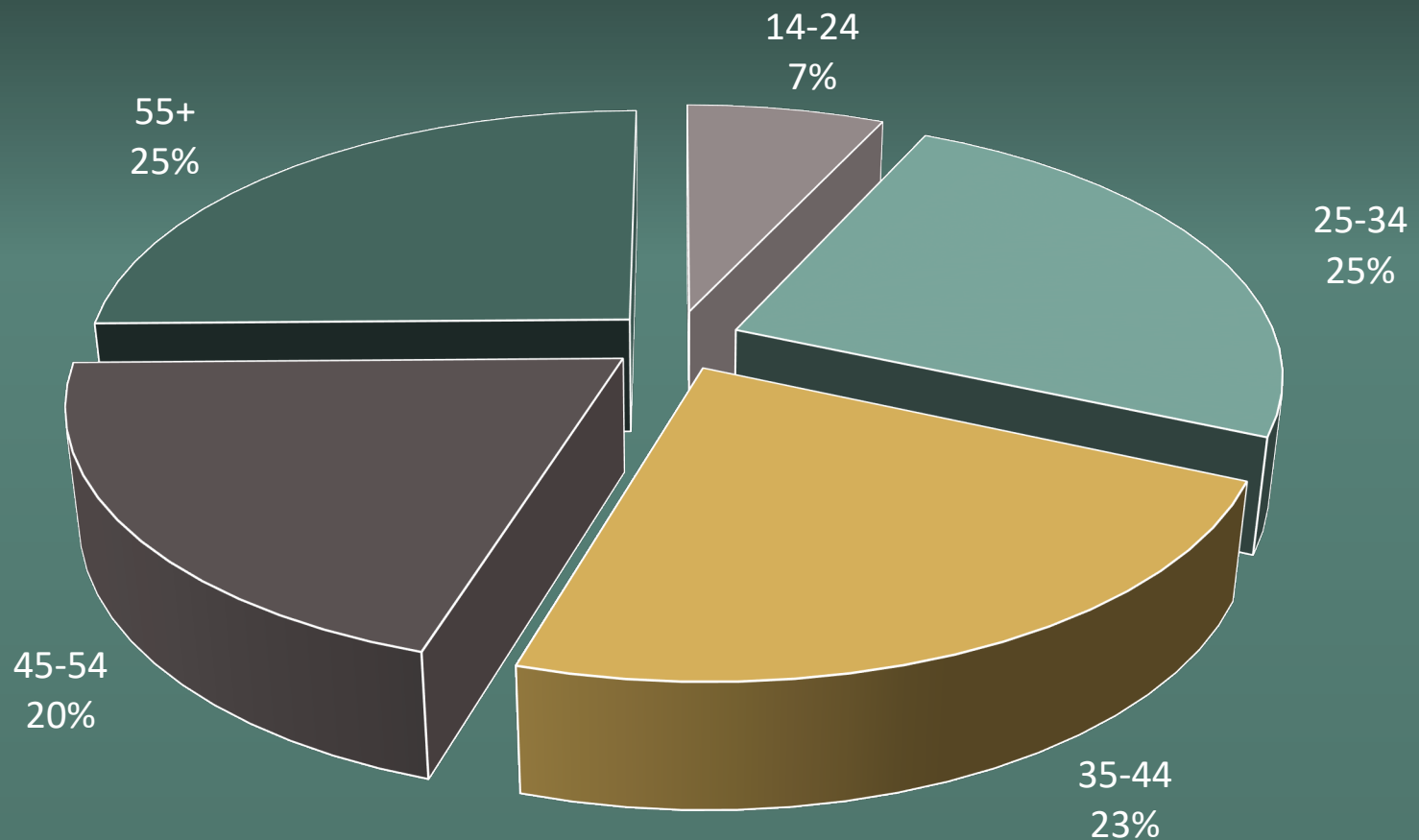


Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.



# 5417 Scientific Research and Development Services

## 2021 Average Annual Employment by Age Group



Source: Partnership between the Alabama Department of Labor, Labor Market Information Division and the U.S. Census Bureau, Longitudinal Employment-Household Dynamics (LEHD) Program, Quarterly Workforce Indicators (QWI) data.

# Projections Information

## 2020 – 2030 Industry Projections by NAICS Code

NAICS	Industry	2020	2030	Net Change	Percent Change	Average Annual Growth	U.S. Average Annual Growth	Location Quotient
5416	Management, Scientific, and Technical Consulting Services	11,910	14,340	2,430	20.45%	1.88%	1.97%	0.56
5417	Scientific Research and Development Services	8,380	9,230	850	10.11%	0.97%	0.62%	0.79

# Major Research & Development Regions

Research and Development Industry Maps:

[Statewide](#)

[Region 1](#)

[Region 2](#)

[Region 3](#)

[Region 4](#)

[Region 5](#)

[Region 6](#)

[Region 7](#)