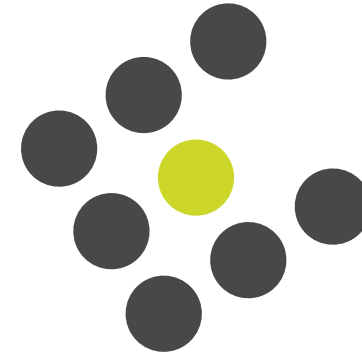


**SECTOR
ANALYSIS
REFRESH**



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TODAY'S PURPOSE

- Introduce the report
- Share approach and methodology
- Provide preliminary findings

WE ARE NOT DECIDING ANYTHING TODAY

11 SECTORS - CHANCELLOR'S OFFICE

- 1. Advanced Manufacturing**
- 2. Advanced Transportation, and Logistics**
- 3. Agriculture, Water, and Environmental Tech**
- 4. Business and Entrepreneurship**
- 5. Education and Human Development**
- 6. Energy, Construction, and Utilities**
- 7. Health**
- 8. ICT and Digital Media**
- 9. Life Sciences and Biotechnology**
- 10. Public Safety and Government**
- 11. Retail, Hospitality, and Tourism**

TWO WAYS TO DEFINE SECTORS

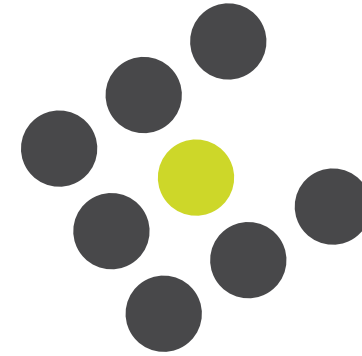
**Manufacturing
(NAICS 31-33)**

**Health
(NAICS 62)**

Business and Financial Occupations (SOC 13-0000)



**METRICS
ANALYZED**

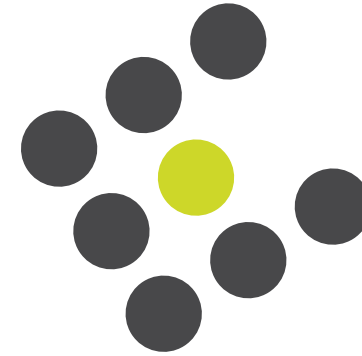


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- A. Entry-level wages at or above the living wage**
- B. Median wages at or above the living wage**
- C. Annual job openings (labor market demand)**
- D. # of businesses/establishments in the region**
- E. # of jobs in 2020**
- F. % and # jobs change (2010-2020)**
- G. Jobs multiplier**
- H. % of job concentration compared to nation**
- I. Earnings across the whole sector**
- J. % of workers nearing retirement age**
- K. Automation index**

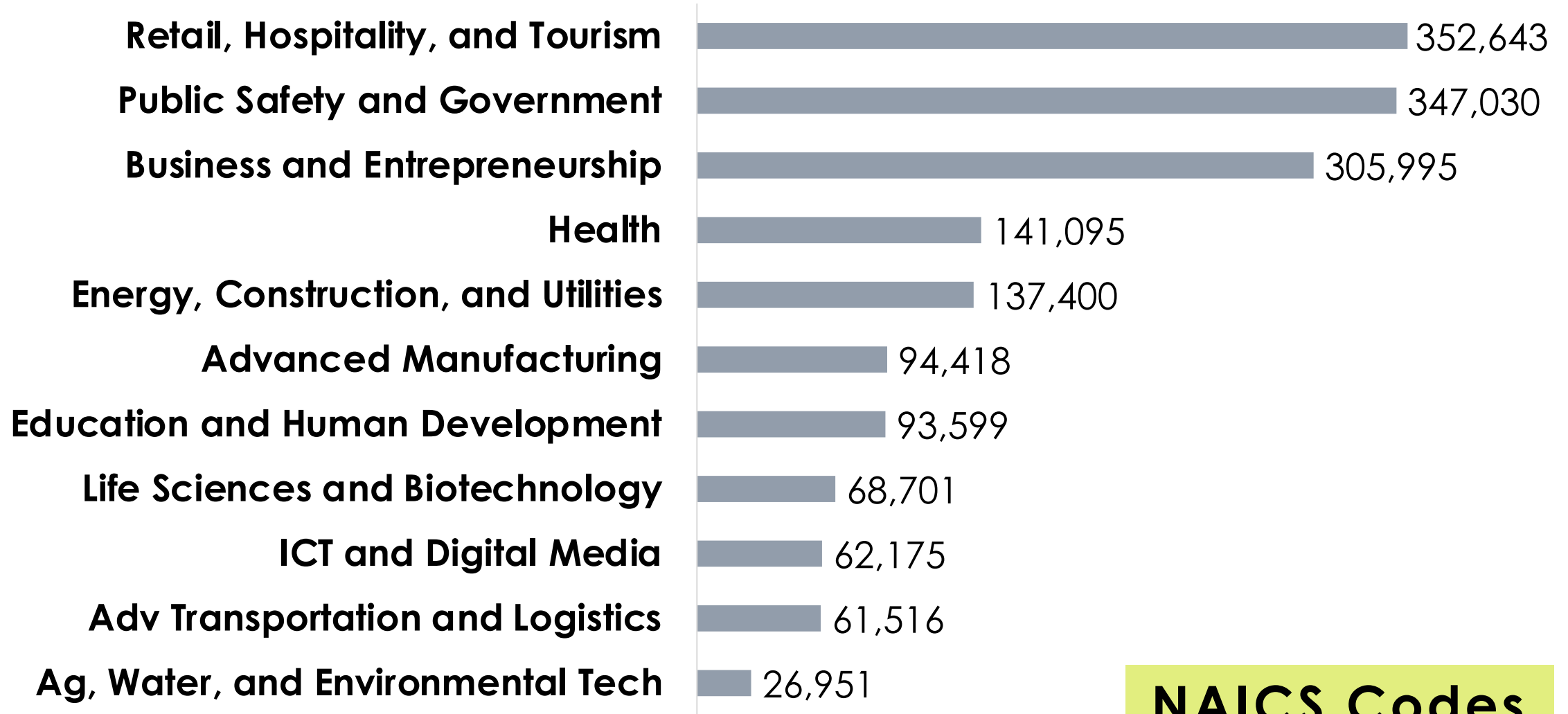
ANALYZED
BOTH % AND #
(EXAMPLES)



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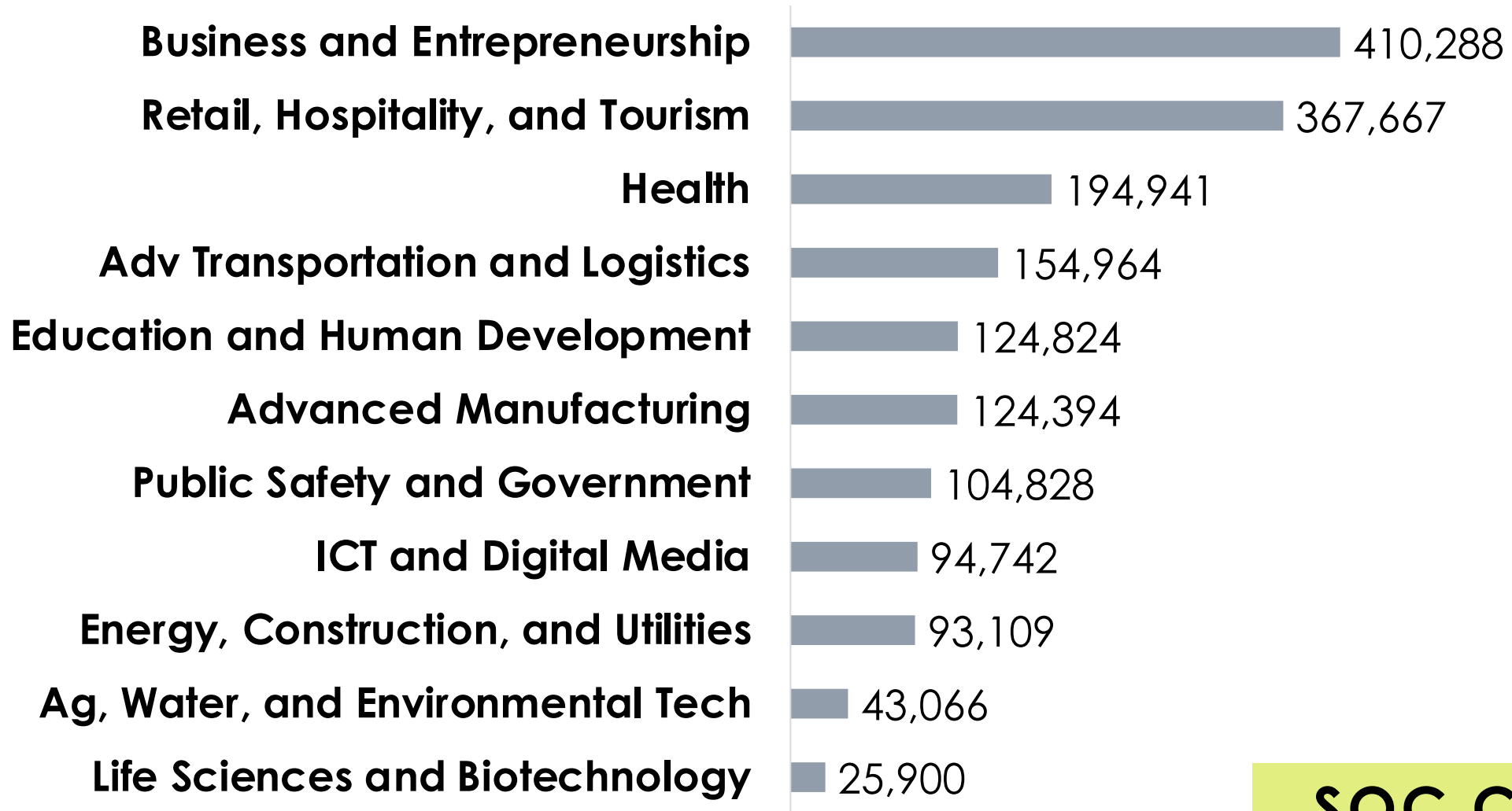
**CENTERS OF EXCELLENCE
FOR LABOR MARKET RESEARCH**

JOBS BY SECTOR (2020)



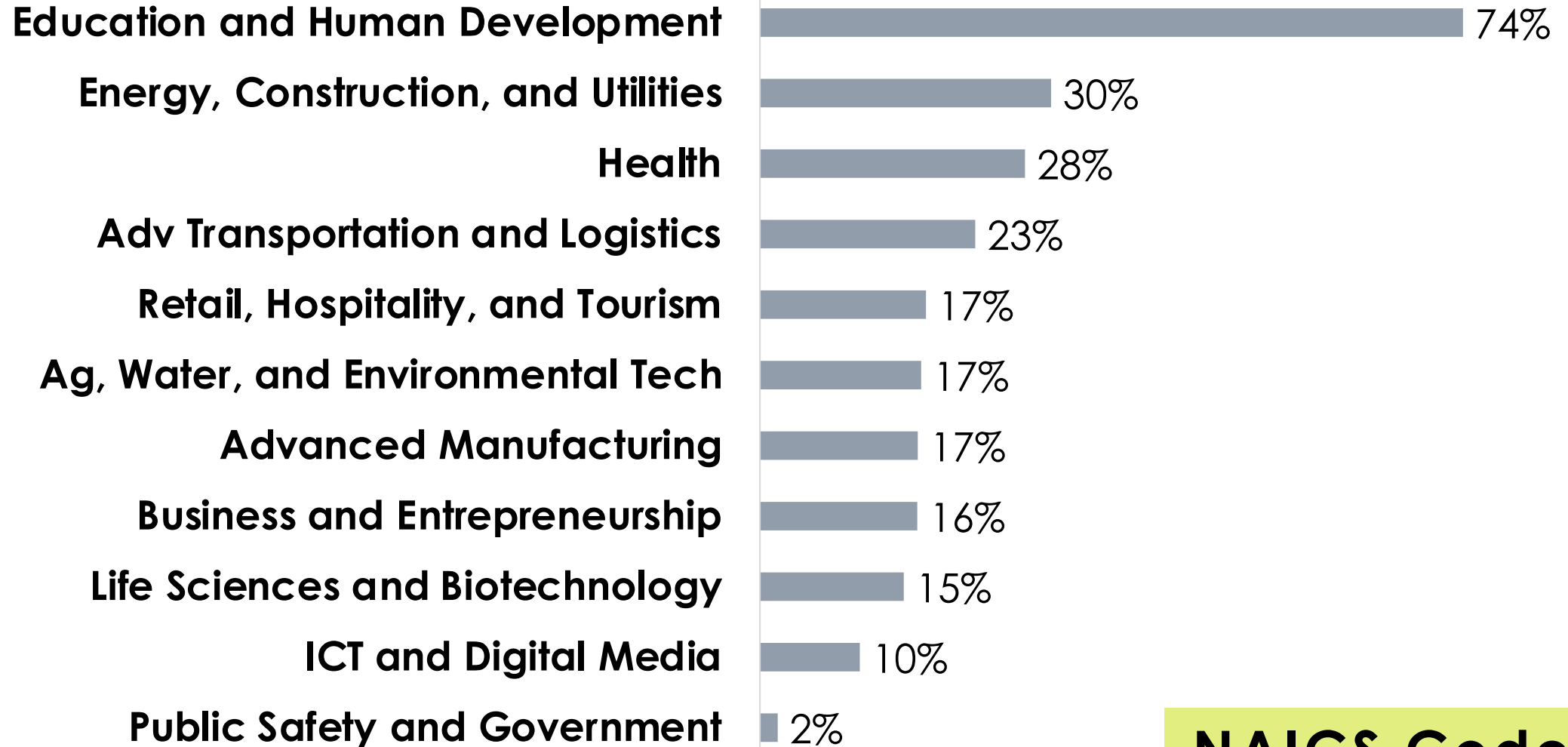
NAICS Codes

JOBS BY SECTOR (2020)



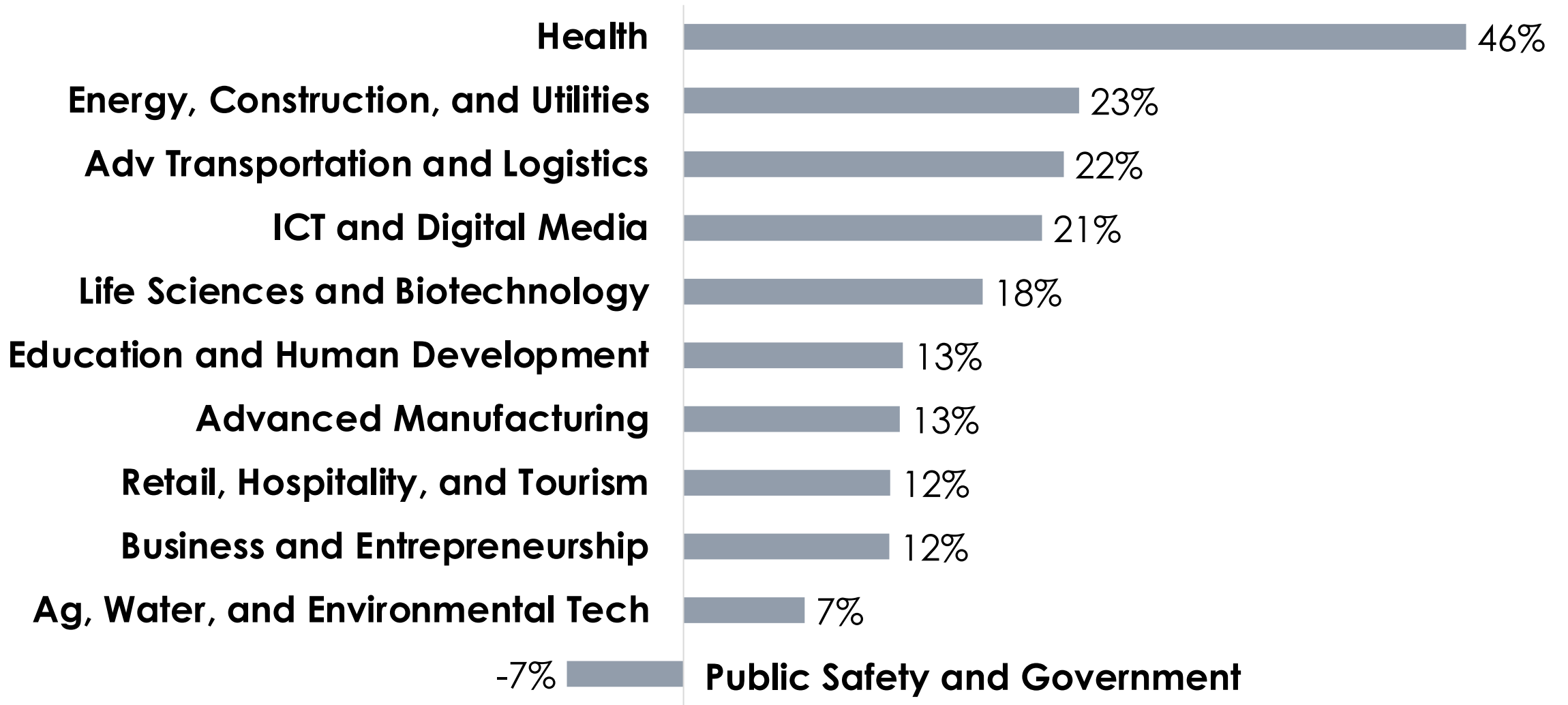
SOC Codes

% JOBS CHANGE BY SECTOR (2010-2020)



NAICS Codes

% JOBS CHANGE BY SECTOR (2010-2020)



SOC Codes

**15 EXHIBITS FOR
EACH AVAILABLE
METRIC**



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REPORT HAS 3 PARTS

- 1. Analysis by NAICS codes**
- 2. Analysis by SOC codes**
- 3. Sector Rankings**

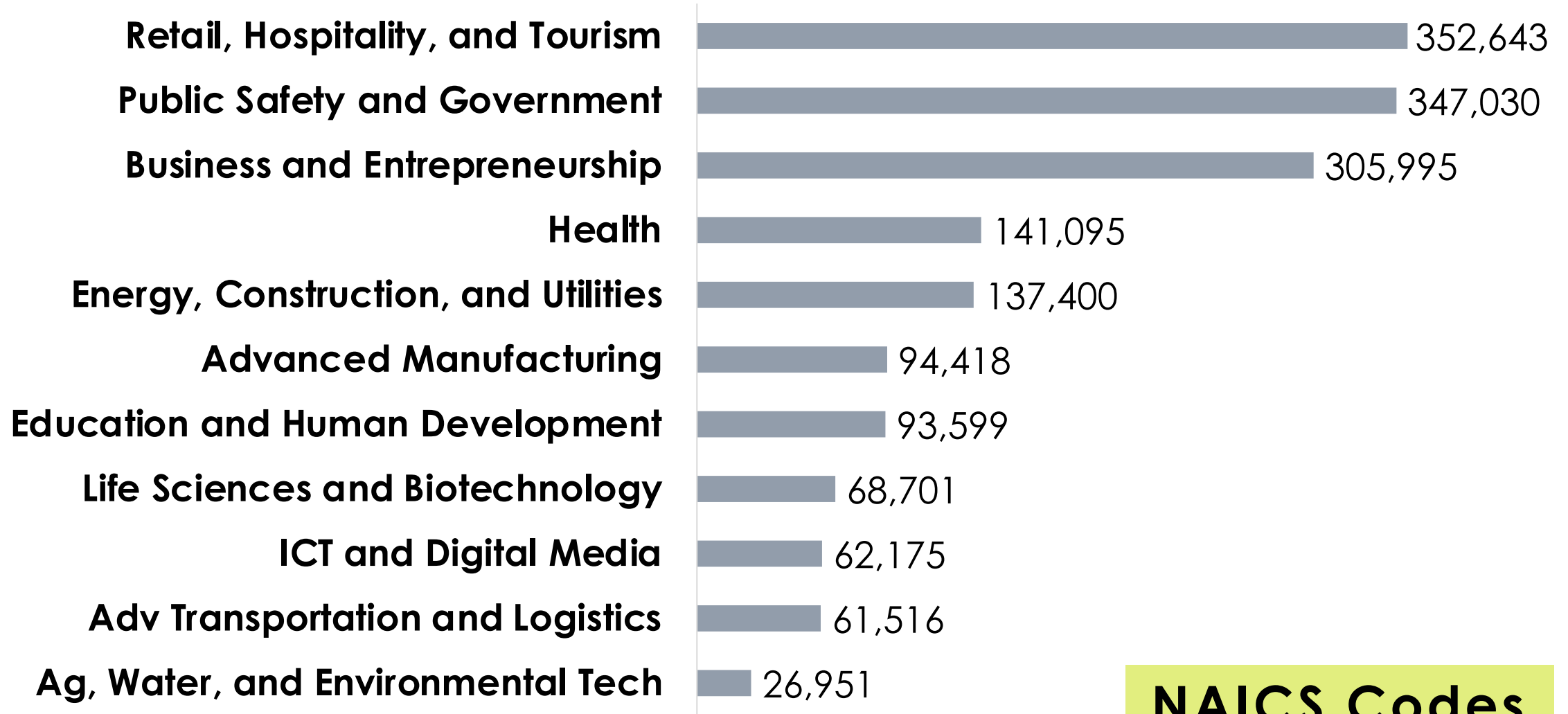
**ASSIGNED
POINTS BASED
ON RANKING
(EXAMPLES)**



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JOBS BY SECTOR (2020)



NAICS Codes

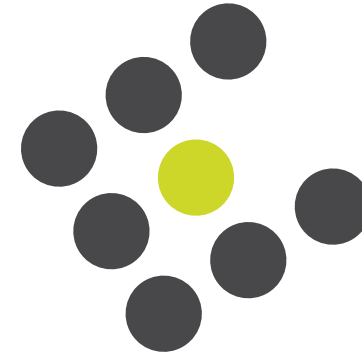
RANKING METHOD #1 (TOP 5 SECTORS)

# Points	Sector
1	Retail, Hospitality, and Tourism
1	Public Safety and Government
1	Business and Entrepreneurship
1	Health
1	Energy, Construction, and Utilities
0	Advanced Manufacturing
0	Education and Human Development
0	Life Sciences and Biotechnology
0	ICT and Digital Media
0	Advanced Transportation and Logistics
0	Agriculture, Water, and Environmental Technologies

RANKING METHOD #2 (# POINTS BY ORDER)

# Points	Sector
11	Retail, Hospitality, and Tourism
10	Public Safety and Government
9	Business and Entrepreneurship
8	Health
7	Energy, Construction, and Utilities
6	Advanced Manufacturing
5	Education and Human Development
4	Life Sciences and Biotechnology
3	ICT and Digital Media
2	Advanced Transportation and Logistics
1	Agriculture, Water, and Environmental Technologies

**THIS SHOULD *NOT*
BE THE SOLE BASIS
FOR DECISION
MAKING**



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RANKING BASED ON TOP 5 SECTORS PER METRIC

Exhibit #	Metric	AM	ATL	AWET	BE	EHD	ECU	H	ICT	LS	PS	RHT
NAICS Analysis	1. # of Jobs (2020)				•		•	•			•	•
	2. % Job Change (2010-2020)		•			•	•	•				•
	3. Average Earnings by Job (2020)	•					•		•	•	•	
	4. % Change in Average Earnings by Job (2010-2020)			•	•				•	•	•	
	5. # of Establishments (2020)				•	•	•	•				•
	6. % Increase of Establishments (2010-2020)					•	•		•	•	•	
	7. % Workers Age 55+ (2020)	•		•	•	•	•	•				
	8. Jobs Multipliers (2020)	•			•		•	•	•	•		
SOC Analysis	9. Average Annual Job Openings (2010-2020)		•		•	•		•				•
	10. % Job Change (2010-2020)		•				•	•	•	•		
	11. Average Entry-Level Hourly Earnings (2020)				•	•		•		•	•	
	12. Average Median Hourly Earnings (2020)				•			•	•	•	•	
	13. % of Workers 55+ (2020)	•		•	•	•		•				
	14. Location Quotient				•	•			•	•		•
	15. Average Automation Index				•	•		•	•	•		
# Points		4	3	3	11	9	8	10	8	8	6	5

RANKING BASED ON ORDER IN METRIC

Exhibit #	Metric	AM	ATL	AWET	BE	EHD	ECU	H	ICT	LS	PS	RHT
NAICS Analysis	1. # of Jobs (2020)	6	2	1	9	5	7	8	3	4	10	11
	2. % Job Change (2010-2020)	5	8	6	4	11	10	9	2	3	1	7
	3. Average Earnings by Job (2020)	9	4	3	5	1	7	6	10	11	8	2
	4. % Change in Average Earnings by Job (2010-2020)	3	4	9	8	1	6	2	10	11	7	5
	5. # of Establishments (2020)	4	6	1	11	10	8	7	5	3	2	9
	6. % Increase of Establishments (2010-2020)	3	4	2	6	10	8	5	9	7	11	1
	7. % Workers Age 55+ (2020)	10	6	9	7	11	8	5	3	4	1	2
	8. Jobs Multipliers (2020)	7	3	2	10	1	8	9	11	5	4	6
SOC Analysis	9. Average Annual Job Openings (2010-2020)	6	8	2	11	7	3	9	4	1	5	10
	10. % Job Change (2010-2020)	5	9	2	3	6	10	11	8	7	1	4
	11. Average Entry-Level Hourly Earnings (2020)	2	5	3	8	7	4	11	6	10	9	1
	12. Average Median Hourly Earnings (2020)	2	5	3	7	6	4	11	8	10	9	1
	13. % of Workers 55+ (2020)	10	6	7	11	8	5	9	2	4	1	3
	14. Location Quotient	1	3	2	8	7	6	4	9	11	5	10
	15. Average Automation Index	2	4	5	7	11	1	10	8	9	6	3
# Points		75	77	57	115	102	95	116	98	100	80	75

**NO MATTER HOW
WE “SLICE AND
DICE” THE DATA,
WE *HAVE* TO HAVE
A CONVERSATION**



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TIMELINE

Dates	Activities
Feb-Mar 2021	Region votes on industry & occupational metrics
Mar 2021	COE conducts analysis basis on metrics selected by the region
Apr 2021	COE presents the analysis to the region (e.g., WDC, ROC) for feedback
Apr-May 2021	COE revises analysis based on feedback
May 2021	COE presents to the region again
June 2021	COE finalizes analysis

RANKING BASED ON TOP 5 SECTORS PER METRIC

Rank #	Sector	# Points
1.	Business and Entrepreneurship	11
2.	Health	10
3.	Education and Human Development	9
4.	Energy, Construction, and Utilities	8
4.	ICT and Digital Media	8
4.	Life Sciences and Biotechnology	8
5.	Public Safety and Government	6
6.	Retail, Hospitality, and Tourism	5
7.	Advanced Manufacturing	4
8.	Advanced Transportation and Logistics	3
8.	Agriculture, Water, and Environmental Technologies	3

RANKING BASED ON ORDER BY METRIC

Rank #	Sector	# Points
1.	Health	116
2.	Business and Entrepreneurship	115
3.	Education and Human Development	102
4.	Life Sciences and Biotechnology	100
5.	ICT and Digital Media	98
6.	Energy, Construction, and Utilities	95
7.	Public Safety and Government	80
8.	Advanced Manufacturing	75
8.	Retail, Hospitality, and Tourism	75
9.	Advanced Transportation and Logistics	77
10.	Agriculture, Water, and Environmental Technologies	57