



What's New

In QWI, LODES/OnTheMap, Job-to-Job Flows, PSEO, and newly released data on veterans

April 2021

Erika McEntarfer

Center for Economic Studies, U.S. Census Bureau

Any opinions and conclusions expressed herein are those of the author and do not represent the views of the U.S. Census Bureau. All tables and figures use data that is publicly available.



U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
[census.gov](https://www.census.gov)

Structure of this talk:

Product updates for QWI, LODS/OnTheMap, J2J, OTMEM

PSEO data expansion: new data on where people work after degree

New Veteran Employment Outcomes: what happens to Army veterans after they leave service?

Data updates for QWI, J2J, and LODES:

Quarterly Workforce Indicators (QWI):

- New weights improve time-series consistency (release this quarter)

Job-to-Job Flows (J2J):

- New experimental NAICS-3 origin-destination flows to be released this year

LEHD Origin-Destination Employment Statistics (LODES):

- 2018 LODES released in December 2020
- 2019 LODES to be released later this year

Updates to LEHD Data Applications:

J2J Explorer

- Added National and Metropolitan Area tables in 2020

OnTheMap

- Updated with 2018 LODES data in December 2020
- Revamping of OnTheMap still a development goal, maybe begin work in late 2021

PSEO

- PSEO Explorer expanded capabilities added
- Data now available in API

Other Applications

- OnTheMap for Emergency Management updated with new LODES/ACS data in February.
- An update to the LED Extraction Tool to include J2J data is being developed.

Major product releases since last workshop (live demo):

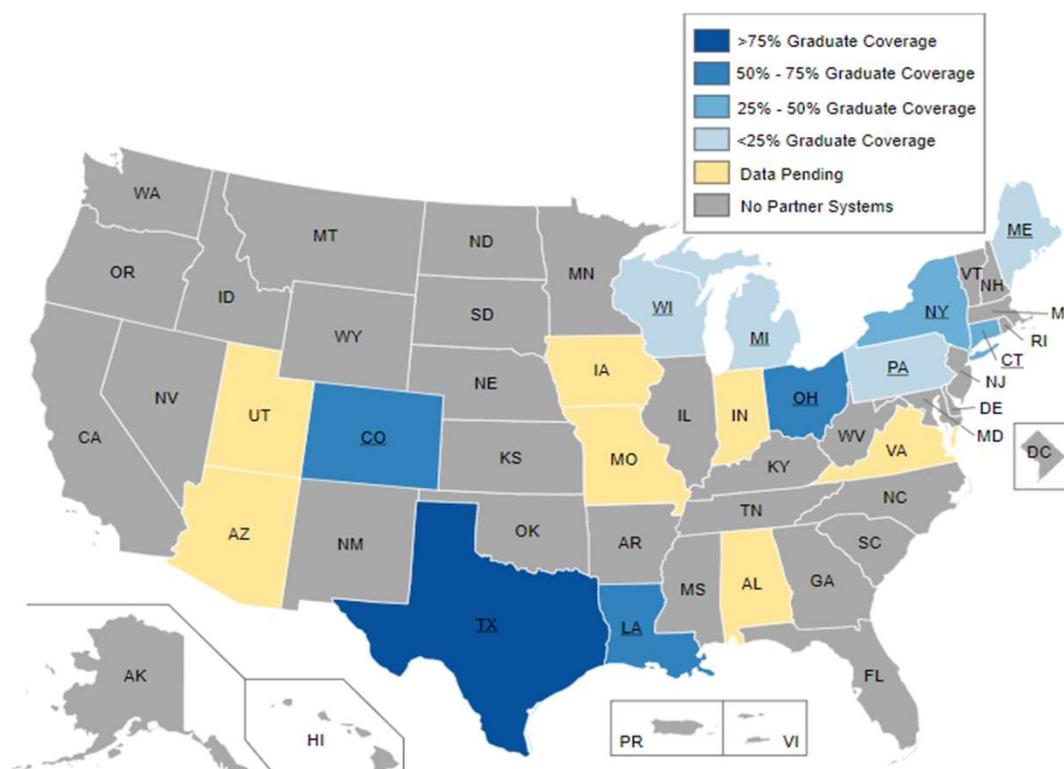
Post-Secondary Employment Outcomes (PSEO): new data on jobs after degree, large expansion of coverage

New Veteran Employment Outcomes (VEO): new pilot program on earnings and employment for recently discharged Army veterans released in May 2020

13 new partners have joined the PSEO partnership

PSEO Coverage Map

- **Arizona** Board of Regents
- **Connecticut** State Colleges and Universities
- **Indiana** Commission of Higher Education and Independent Colleges of Indiana
- **Iowa** Board of Regents
- **Louisiana** Board of Regents
- **Maine** Community College System
- **Missouri** Department of Higher Education and Workforce Development
- **New York** SUNY and CUNY systems
- **Ohio** Department of Higher Education
- **Pennsylvania** State University
- **Texas** Higher Education Coordinating Board
- **Utah** System of Higher Education
- State Council of Higher Education for **Virginia**





Welding Technology



About the Program

The Welding Technology program is designed to c

Do graduates of this certificate program find jobs in manufacturing after completion?

NEW: Veteran Employment Outcomes (VEO)

Background and goals of project

VEO is a collaboration between the Census Bureau and the Army Office of Economic and Manpower Analysis (OEMA) to create statistics on labor market outcomes for veterans.

Anticipated use cases for VEO:

- *Military*: Talent retention and recruitment
- *Soldiers/Veterans*: Post-military career planning
- *Policymakers*: Help design targeted interventions for veterans transitioning into civilian labor market



Live demos

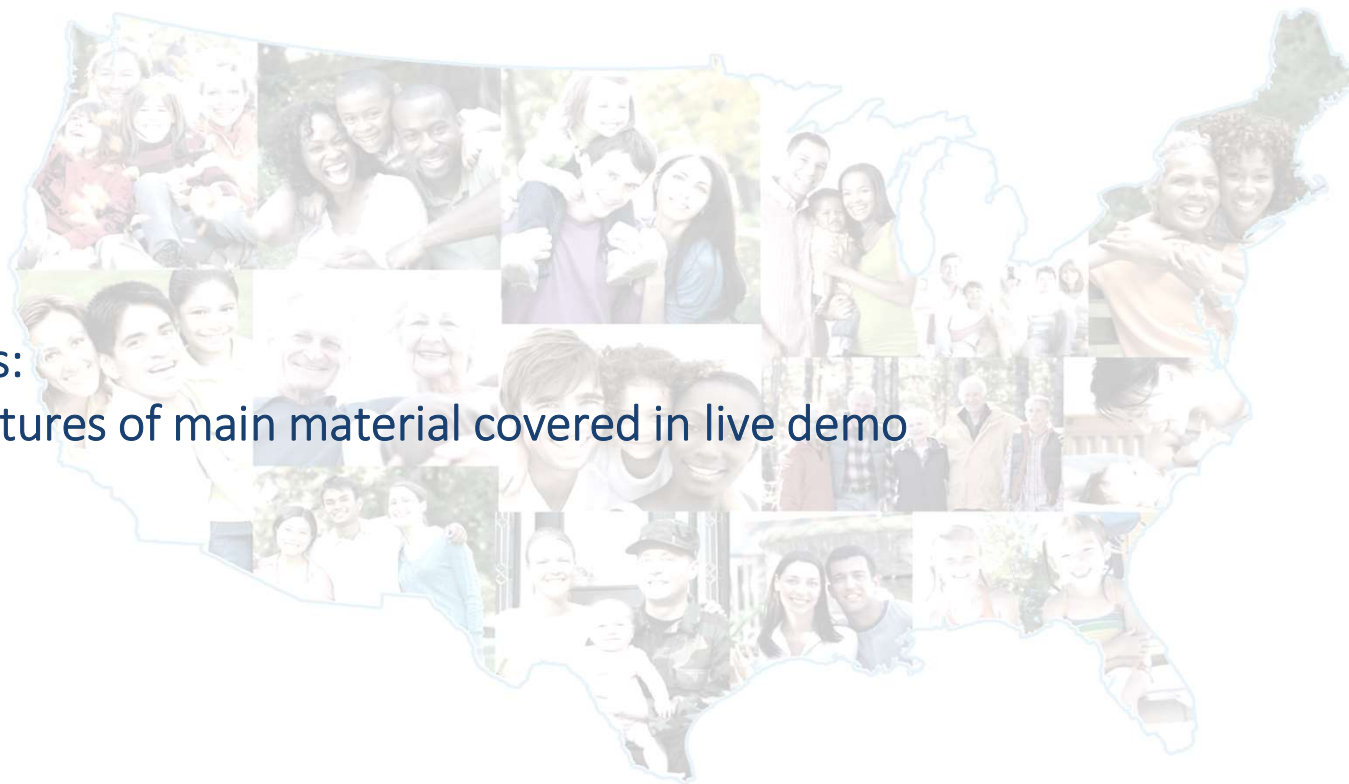
PSEO Explorer: https://lehd.ces.census.gov/data/pseo_explorer.html

VEO Explorer: <https://lehd.ces.census.gov/applications/veo/occupation/detail>

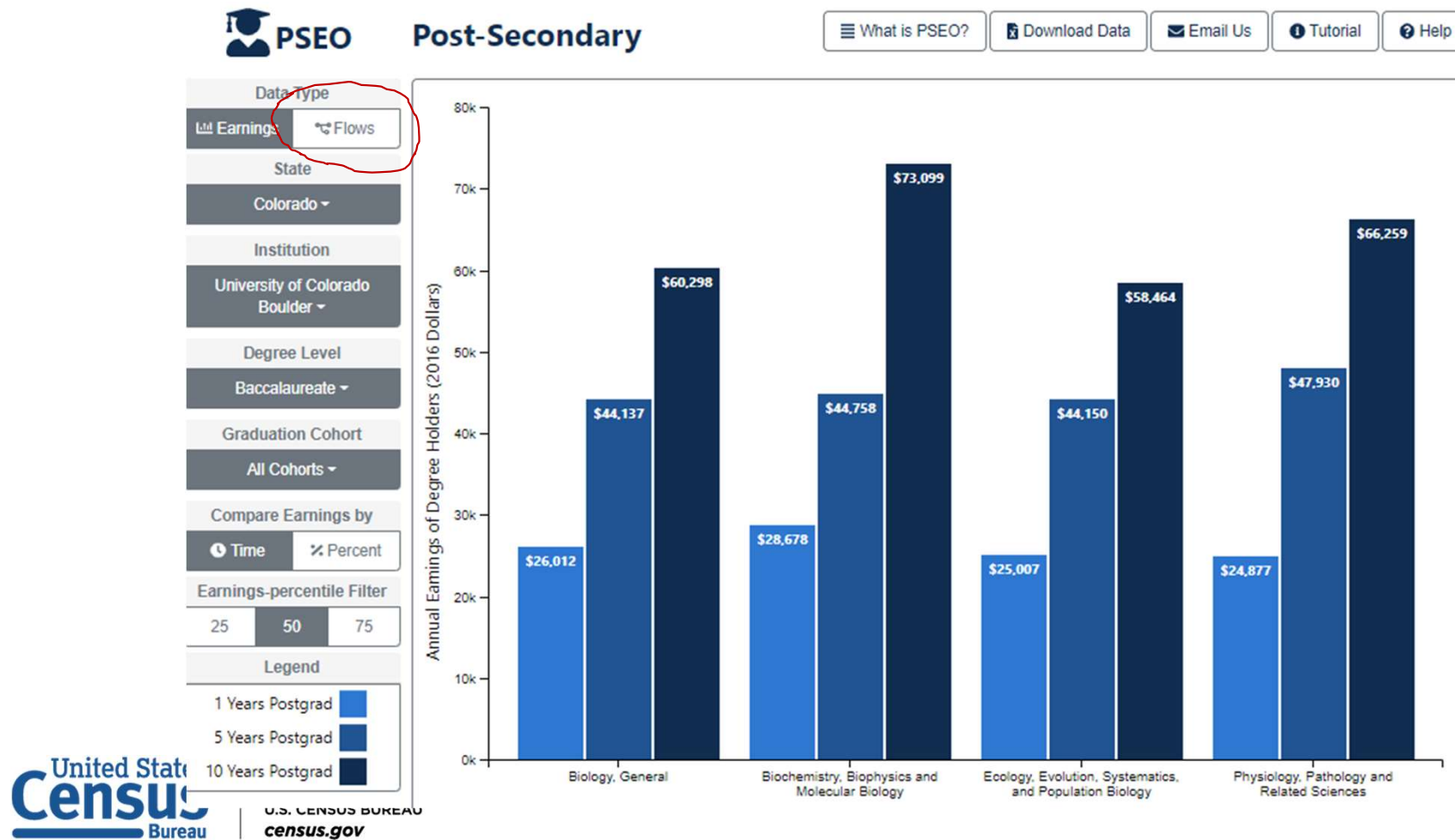


U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU
census.gov

Extra slides:
screen captures of main material covered in live demo

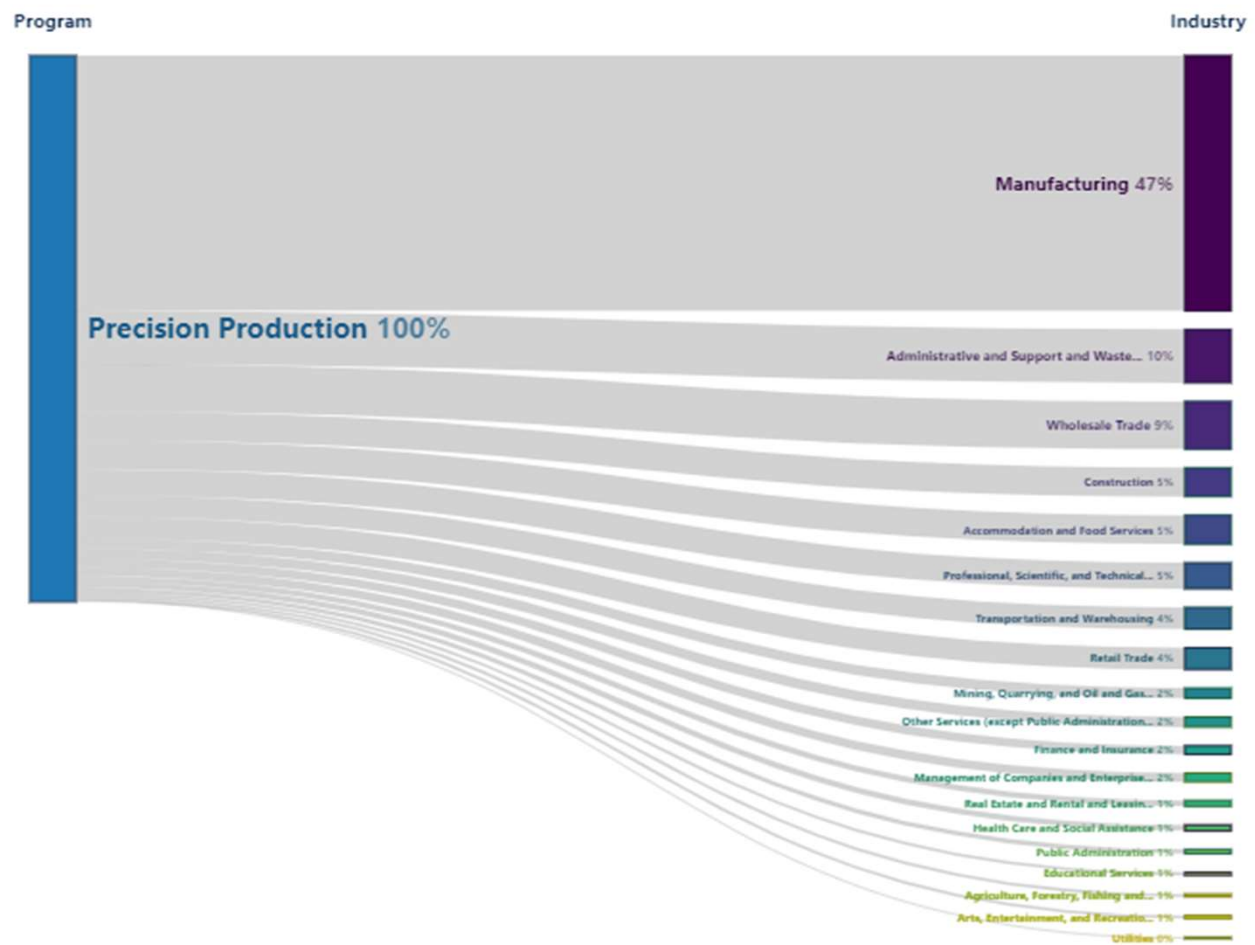


Post-Secondary Employment Outcomes (PSEO)



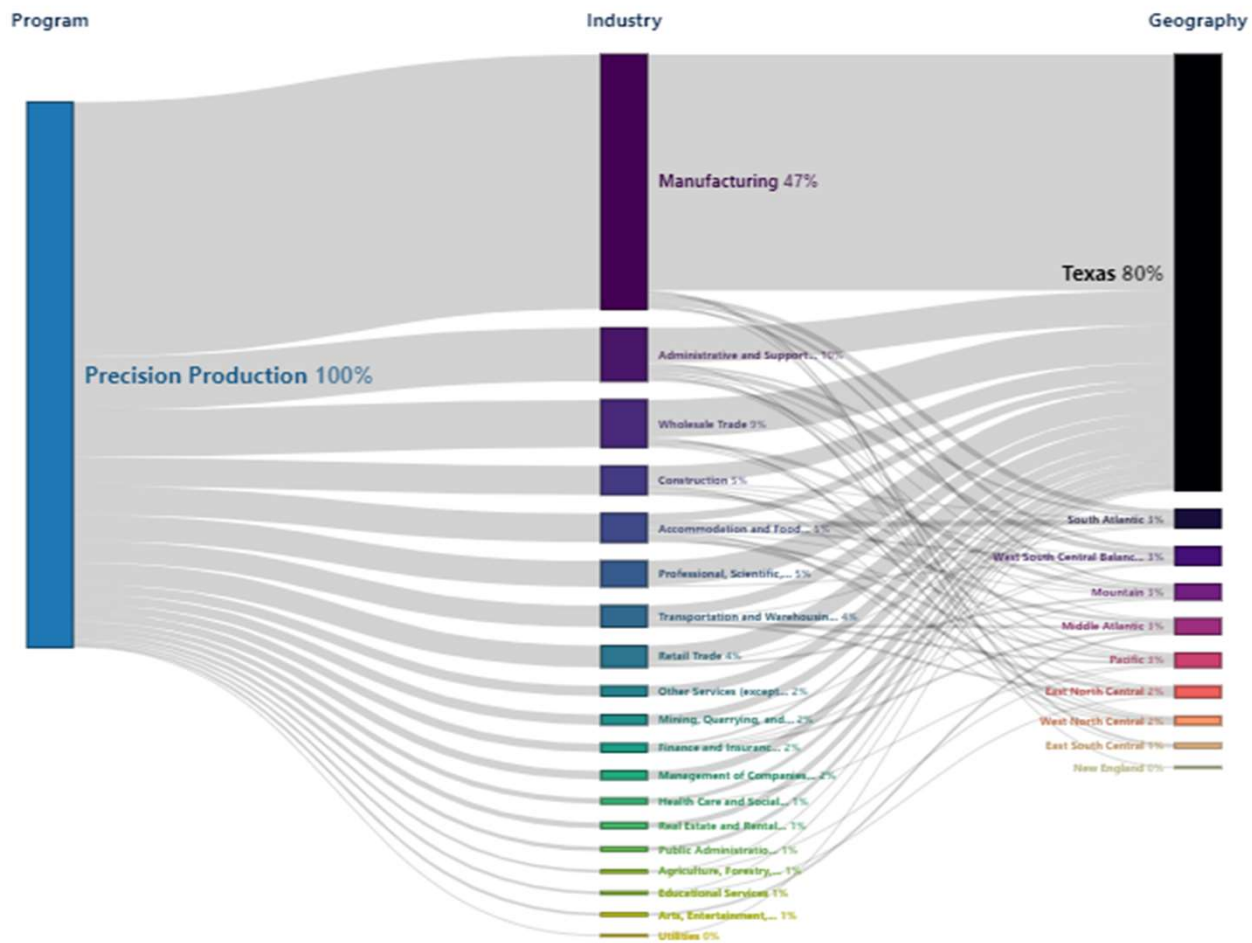
Data Type	
<input checked="" type="checkbox"/> Earnings	<input type="checkbox"/> Flows
State	
Texas ▾	
Institution	
Houston Community College ▾	
Degree Level	
Certificate < 1 year ▾	
Graduation Cohort	
All Cohorts ▾	
Destination Flows	
<input checked="" type="checkbox"/> Industry	<input type="checkbox"/> Geo
Years-postgrad Filter	
1	5
10	
Display	
# Count	📊 Share

Share of Graduates



Data Type	
Earnings	Flows
State	
Texas ▾	
Institution	
Houston Community College ▾	
Degree Level	
Certificate < 1 year ▾	
Graduation Cohort	
All Cohorts ▾	
Destination Flows	
Industry	Geo
Years-postgrad Filter	
1	5
Display	
# Count	% Share

share of Graduates



Veteran Employment Outcomes (VEO)

What statistics are available? How are the data created?

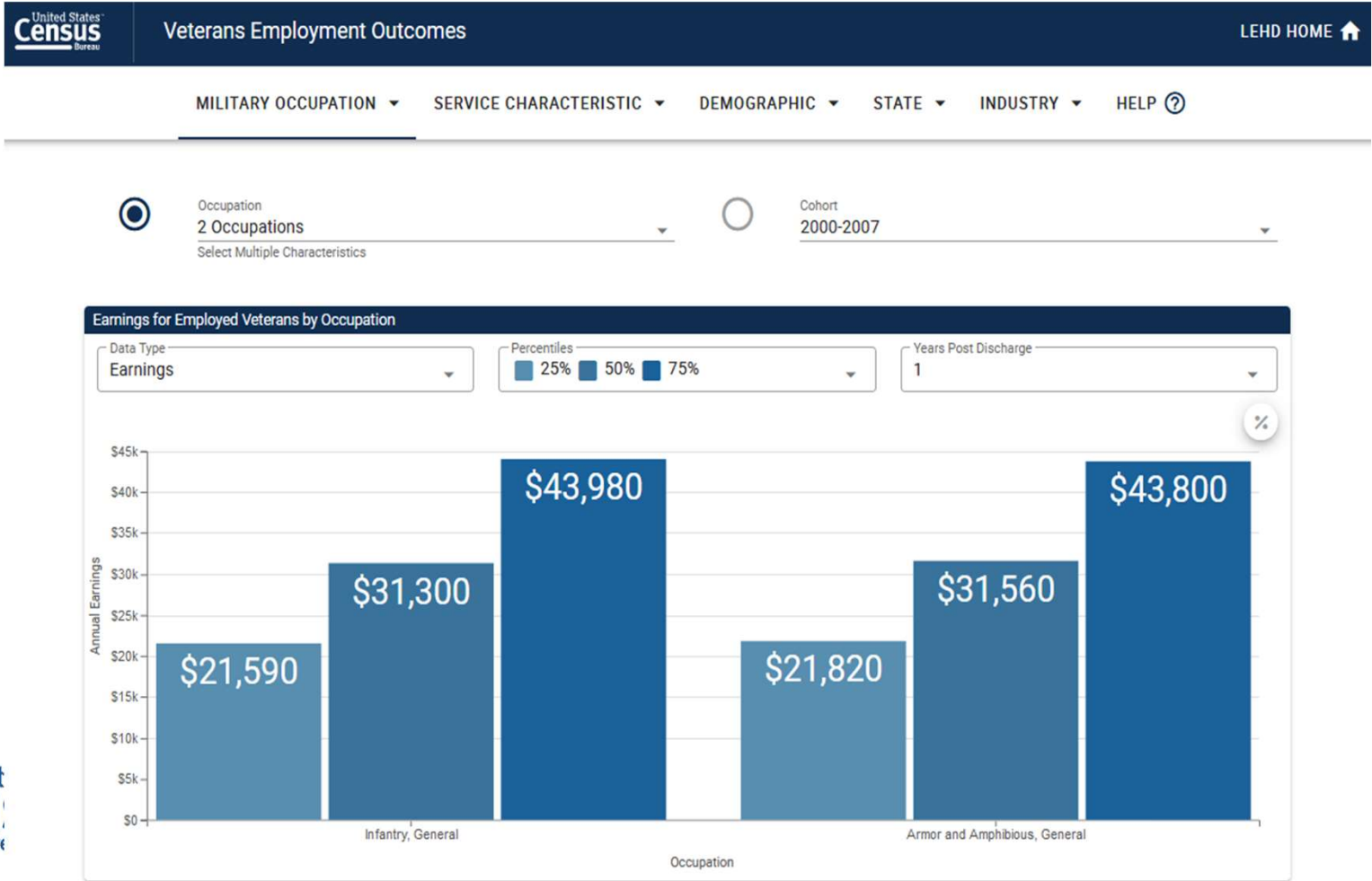
VEO provides data on Army veterans' post-service employment and earnings by:

- Military occupation (2-digit level (9 occupations) and 3-digit level (56 occupations))
- Civilian industry of employment
- Veterans' characteristics (sex, race, rank, years of military service, etc.)

The data are longitudinal, such that the employment and earnings outcomes are both immediate (1 year after exiting service) and longitudinal (5 and 10 years after).

VEO statistics are generated by matching OEMA veteran records to Census Bureau administrative data on jobs (over 650,000 veterans in data).

VEO Explorer is a web-based analysis tool for exploring the data



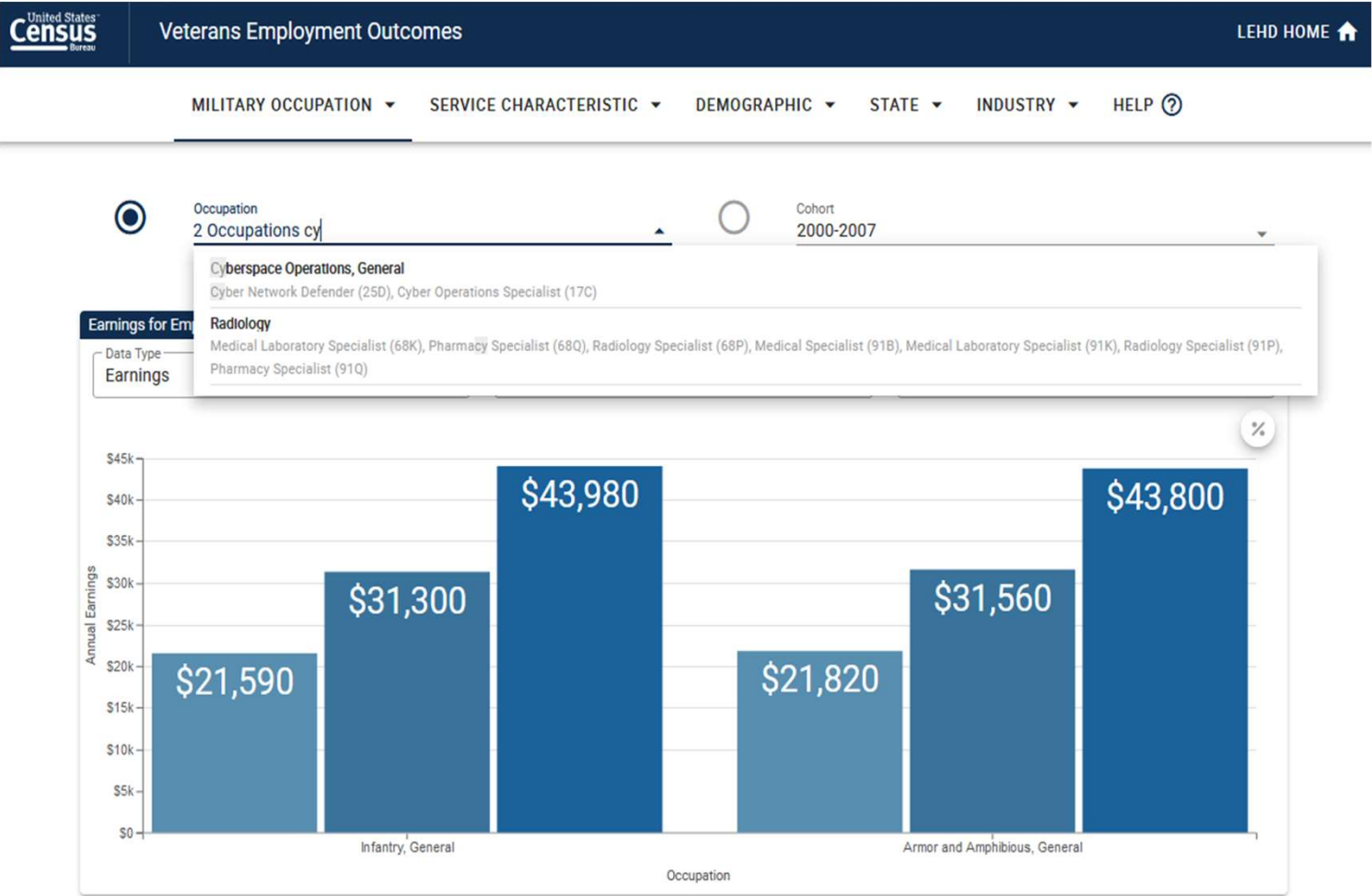
Veteran Employment Outcomes (VEO)

In the demo we will walk through some specific use case examples

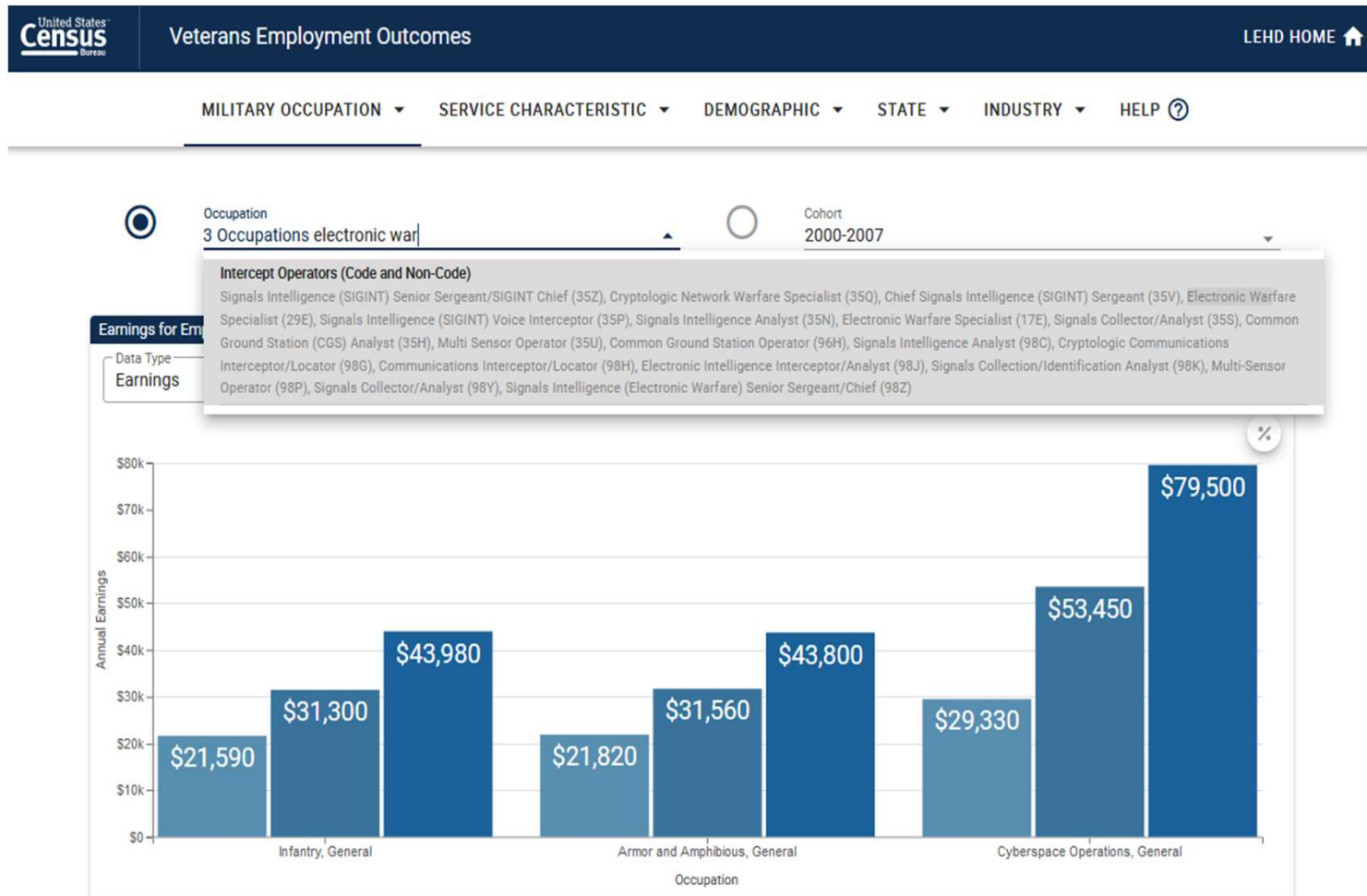
Three use cases:

- *Military*: what do military cyber personnel earn if they leave service for civilian jobs?
- *Soldier*: what types of civilian jobs would value my military experience if I left service?
- *Policymaker*: Which vets struggle to find good jobs initially? (Who should we be targeting post-military labor market transition interventions to?)

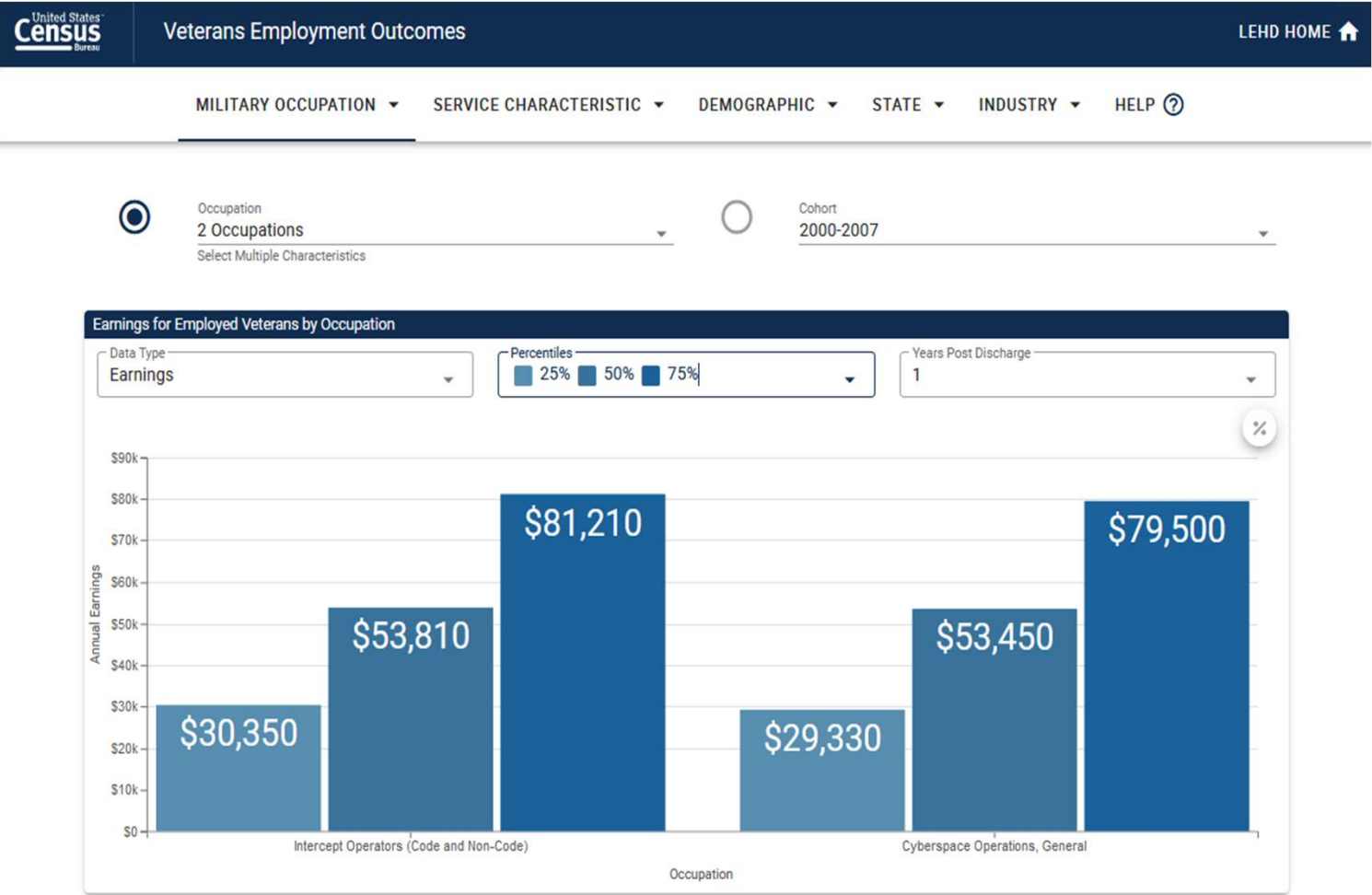
What are private sector salaries for vets who were recently cyber personnel?



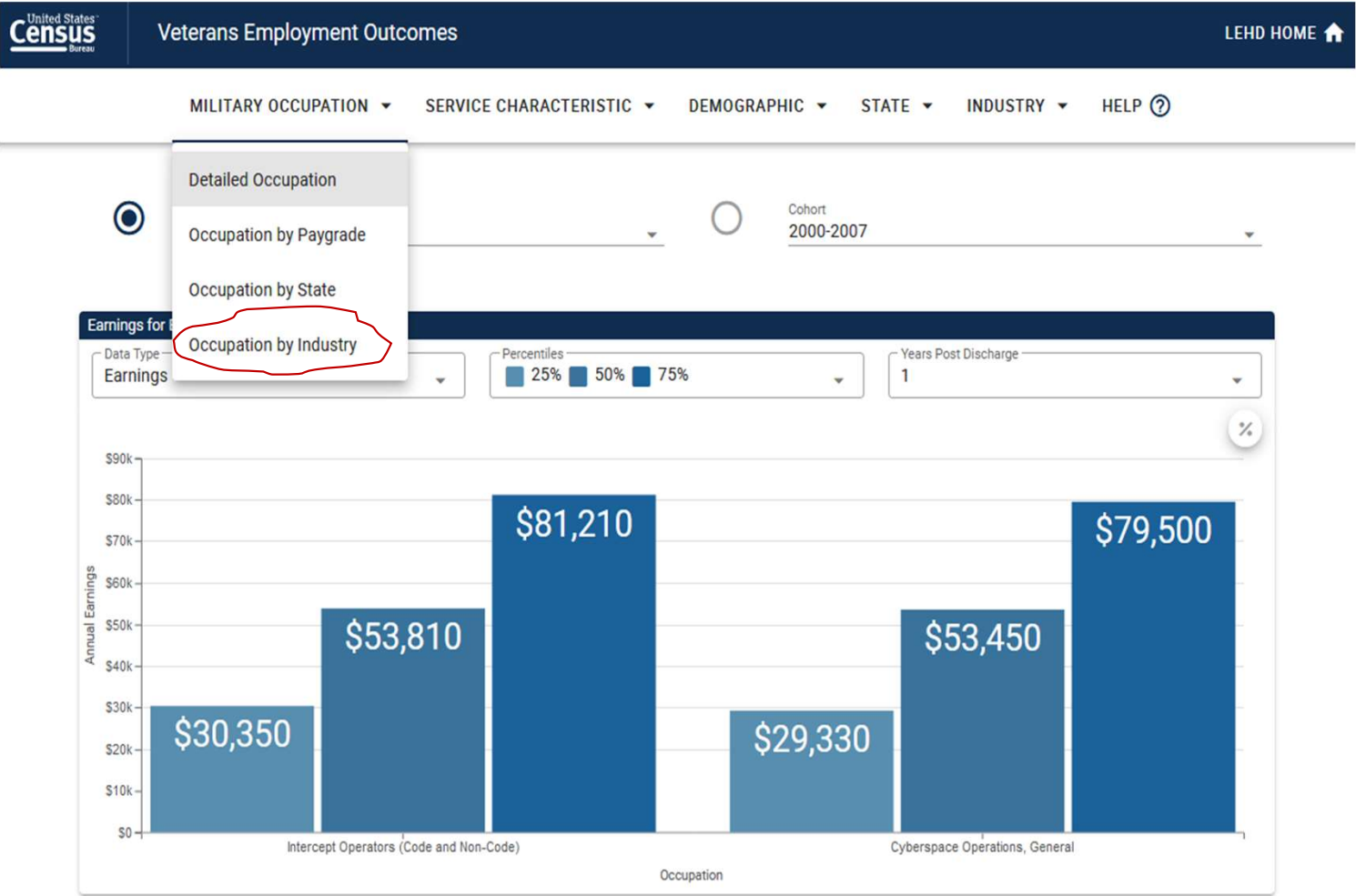
What are private sector salaries for vets who were recently cyber personnel?



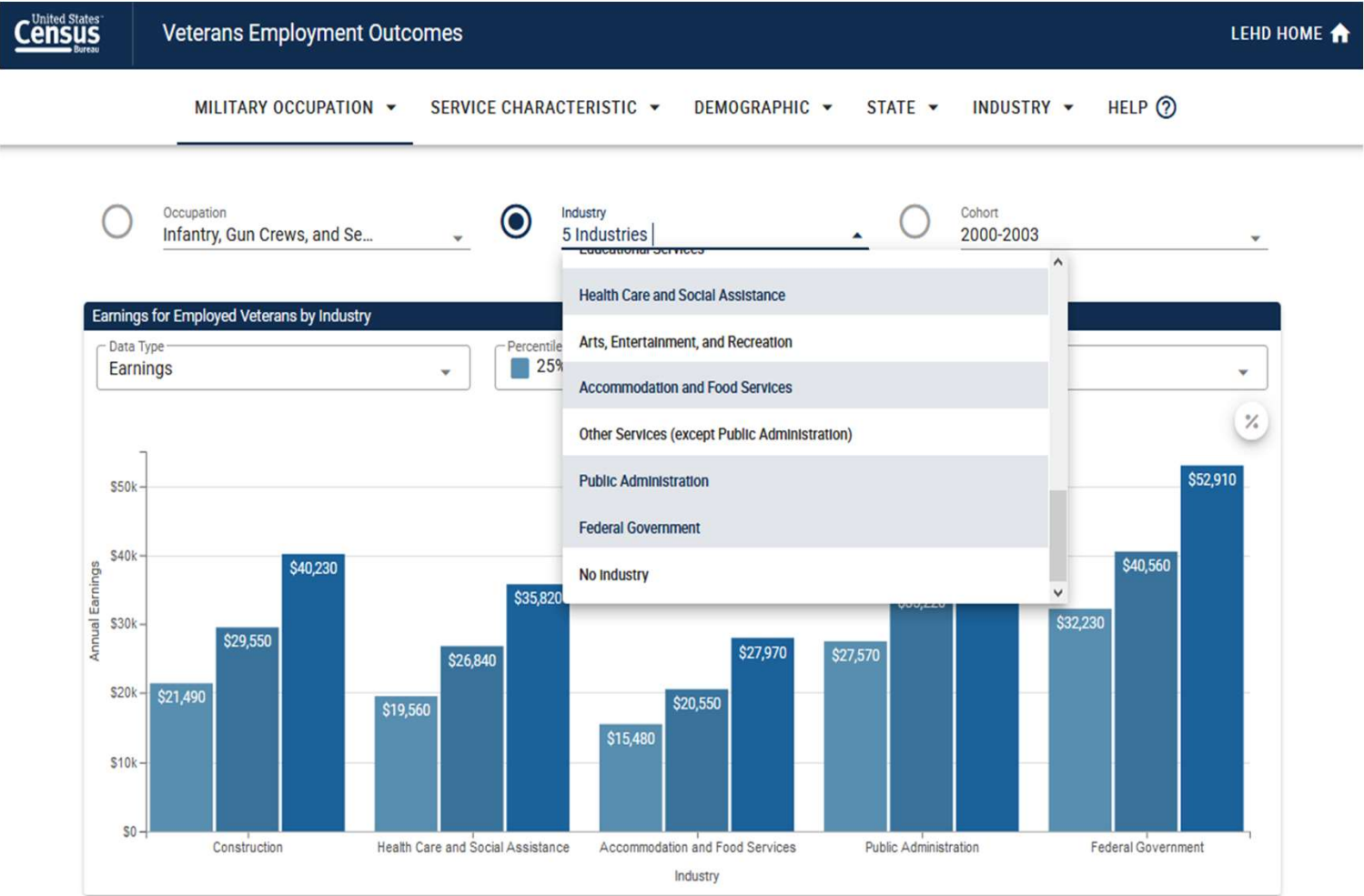
What are private sector salaries for vets who were recently cyber personnel?



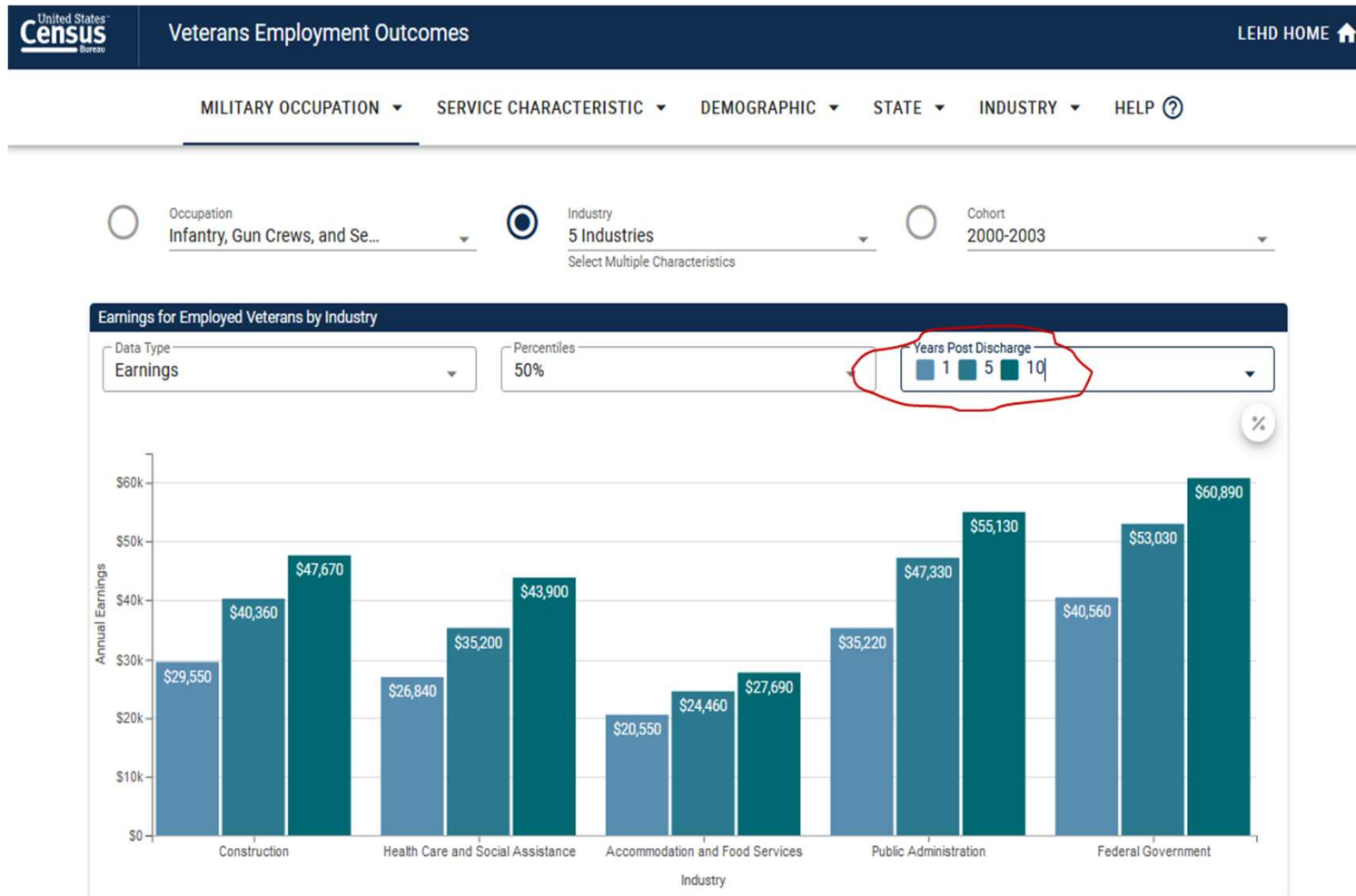
What industries should I be looking for jobs if I am former infantry?



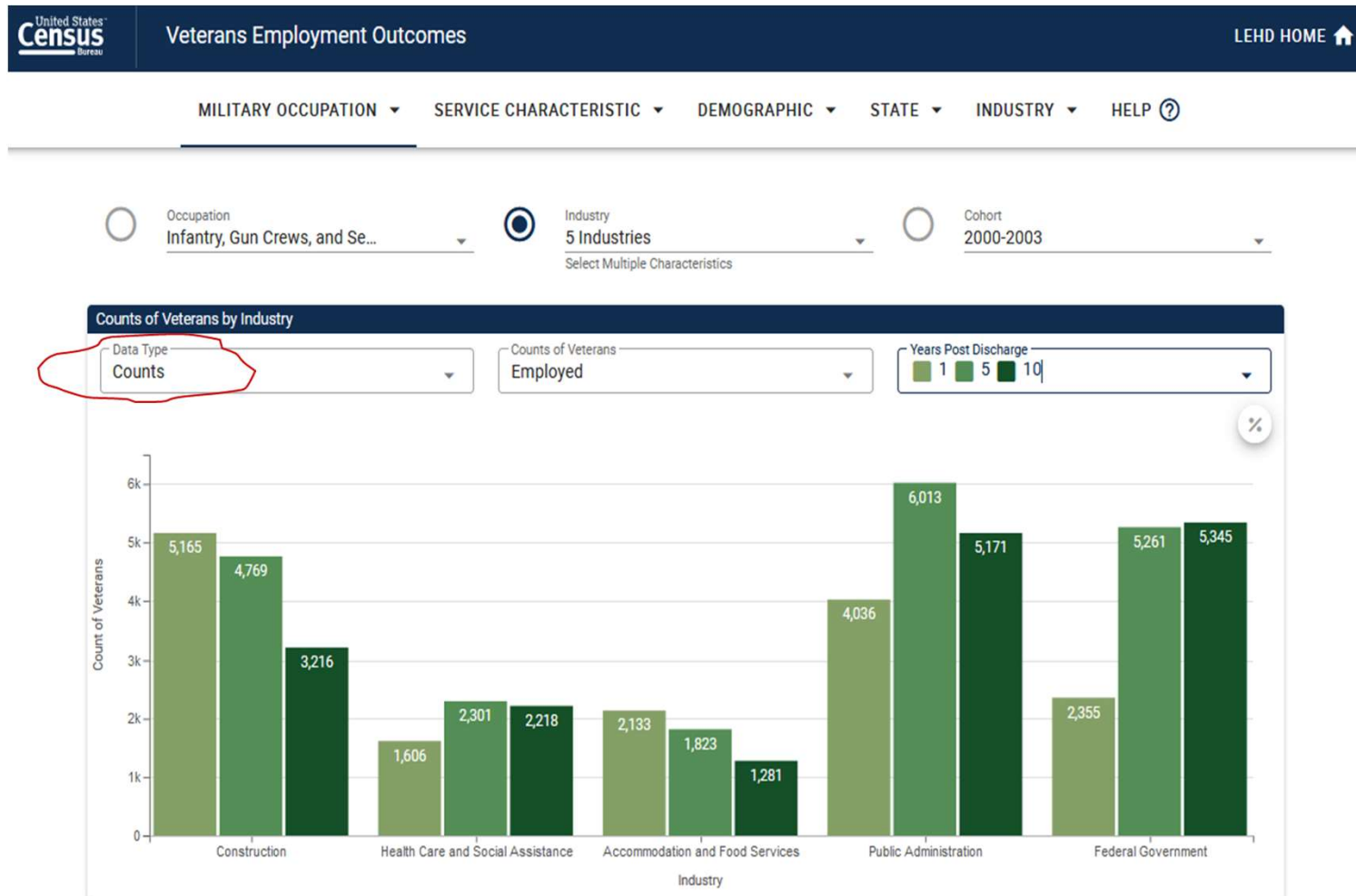
What industries should I be looking for jobs if I am former infantry?



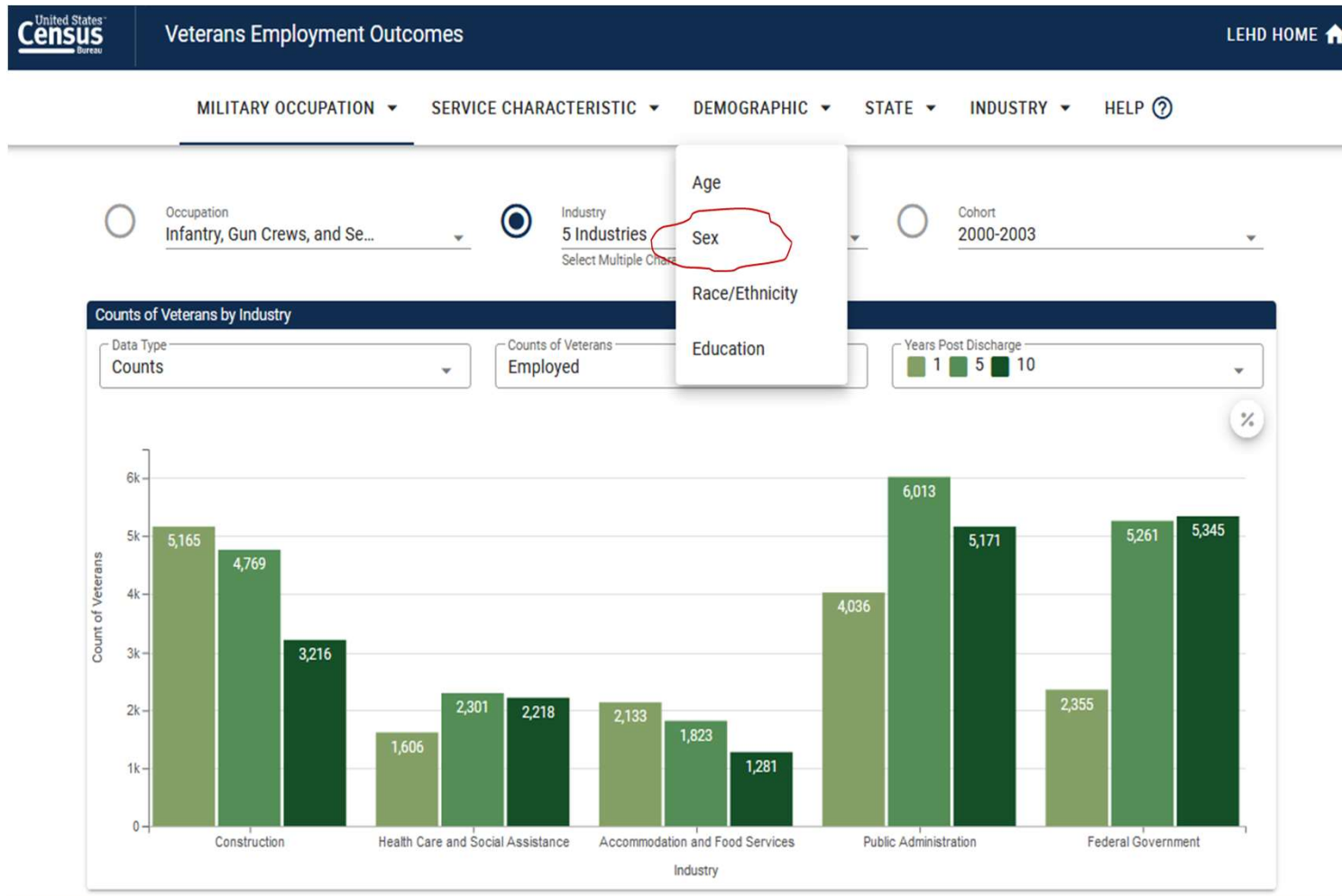
What industries should I be looking for jobs if I am former infantry?



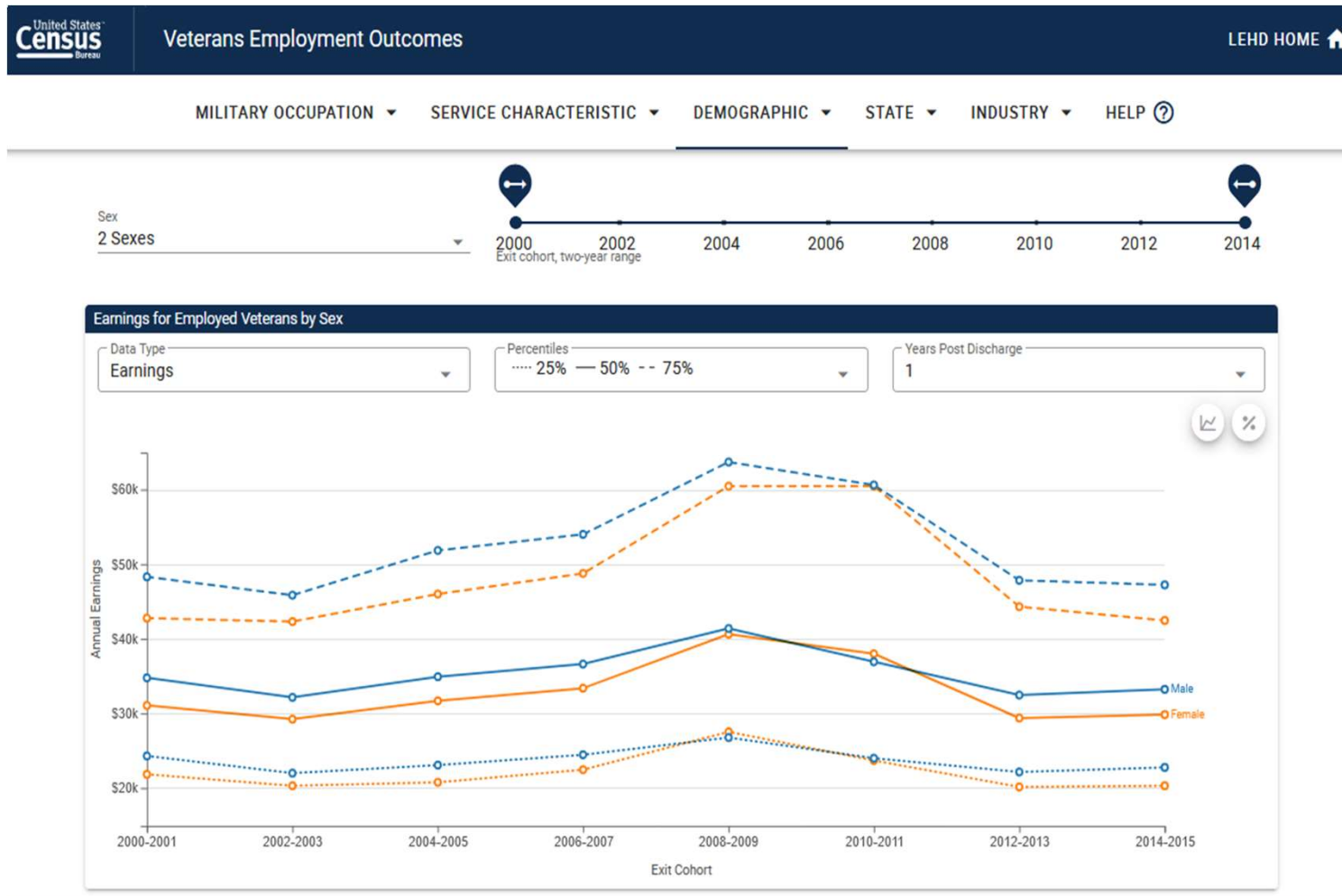
How many people like me (former infantry) do these industries hire?



Does my outcome depend on my sex, my race, etc?



Does my outcome depend on my sex, my race, etc?



How does military occupation impact initial civilian labor market outcomes?

Figure 2a: Difference in 1st year median earnings

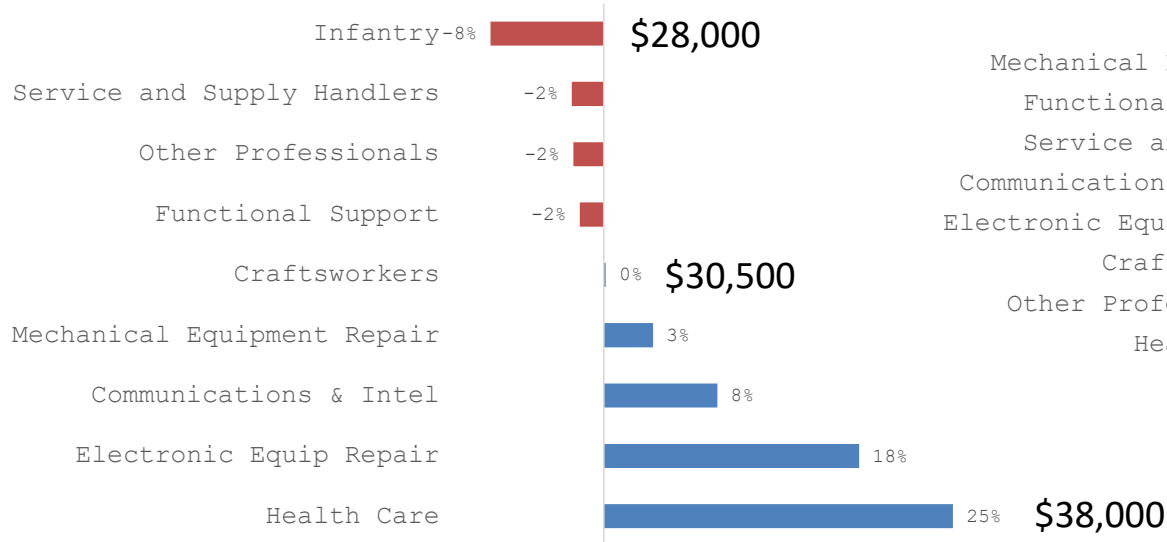
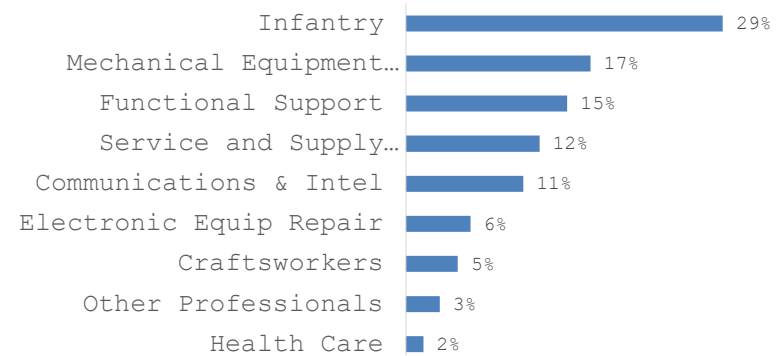


Figure 2b: Share of vets by military occupation



Notes: VEO data, 2000-2003 exit cohort, E1-E5 rank only. Median first year earnings for this cohort is approximately \$30,500.

What share of veterans find stable civilian employment first year out?

Figure 1: Share of veterans employed at least three quarters of first year in civilian labor market



Notes: VEO data, all available cohorts, employed share is share of veterans who worked at least three quarters of the first year after exit from Army and whose earnings were at least those for a full-time minimum wage job.

Veteran Employment Outcomes (VEO)

Release and future plans

VEO released to the public May 5, 2020

- VEO Explorer released at same time, inclusion in Census API will take longer

Will the data be updated?

- Potentially - MOU with Army could be renewed to provide updated data in the future

Could the data be expanded to cover other service branches?

- Potentially - VEO release could spark interest from other data partners to expand coverage