



**ALASKA DEPARTMENT OF LABOR
& WORKFORCE DEVELOPMENT**

Alaska Apprenticeship Performance:

Alaska's Apprenticeship Programs and
Participants- 1996 through 2007

Jeff Hadland

Alaska Department of Labor and Workforce
Development, Research and Analysis Section in
Cooperation with USDOL Office of Apprenticeship

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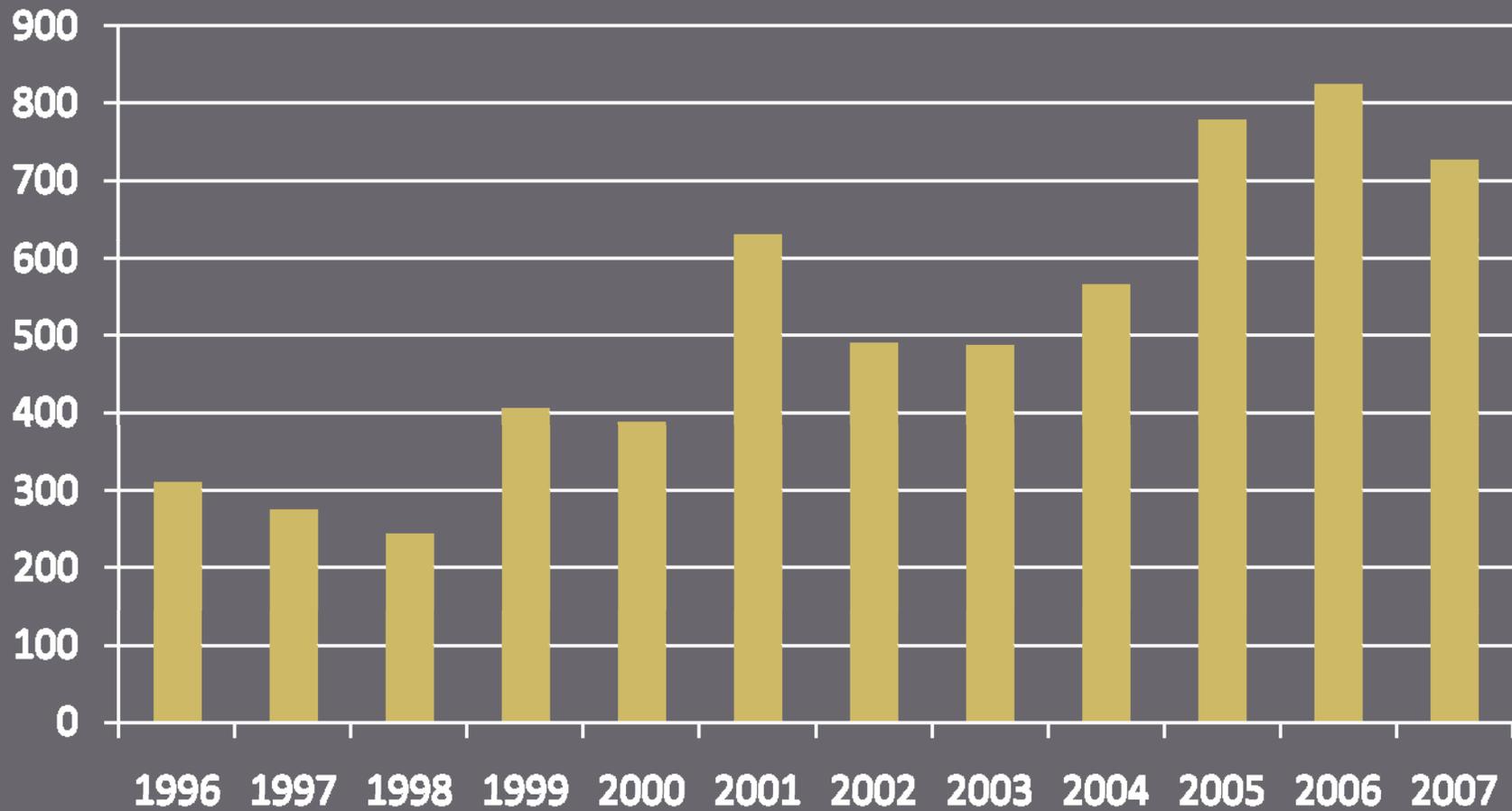
Demonstration Project History and Methodology

- April 2008 ADOL signs a MOU with USDOL ETA for data sharing to conduct special demonstration research project.
- ETA provides a historical data file of about 7,500 active apprenticeship records since 1996.
- ADOL uses administrative data to fill in data holes—more than one-third had missing SSN's. Only 5% had missing SSN's after cleanup.
- 469 participants had more than one apprenticeship record over the period. Only the most recent apprenticeship record was included in the study.
- After removing records with missing SSN's and duplicate participant records 6,457 unique individuals were included in the study population.
- Apprenticeship records matched with Alaska UI wage records, occupational database, Alaska Permanent Fund Dividend database.

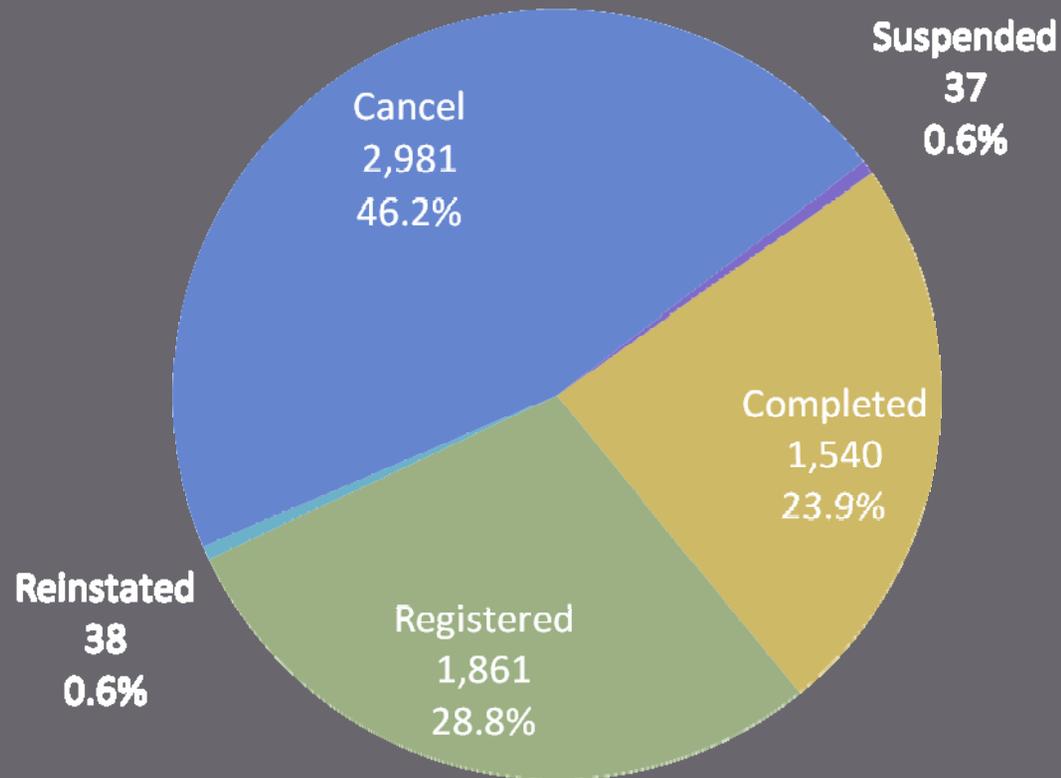
Confidentiality

- All sponsor data is confidential.
- Total and average wage information cannot be disclosed if there are fewer than five apprentices.
- Occupation or program level data cannot be disclosed if:
 - there are fewer than five apprentices.
 - there are fewer than three sponsors or
 - one sponsor has more than 80% of all apprentices.

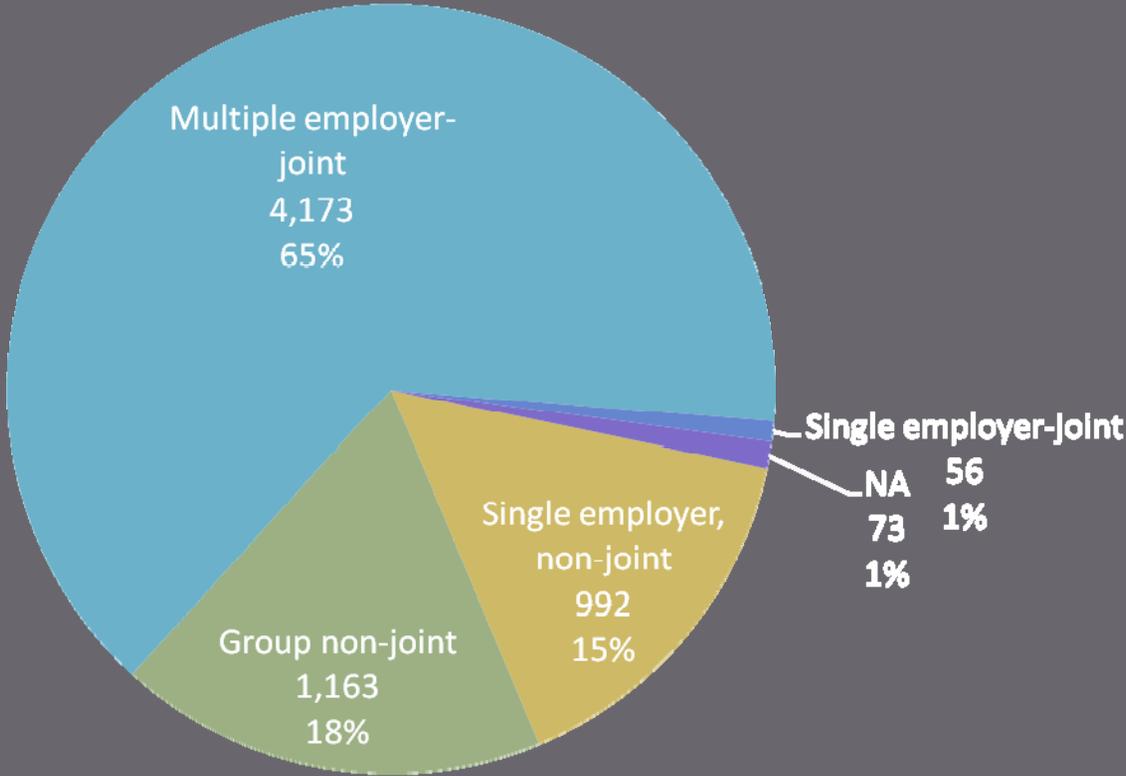
Apprentices by Year of Registration



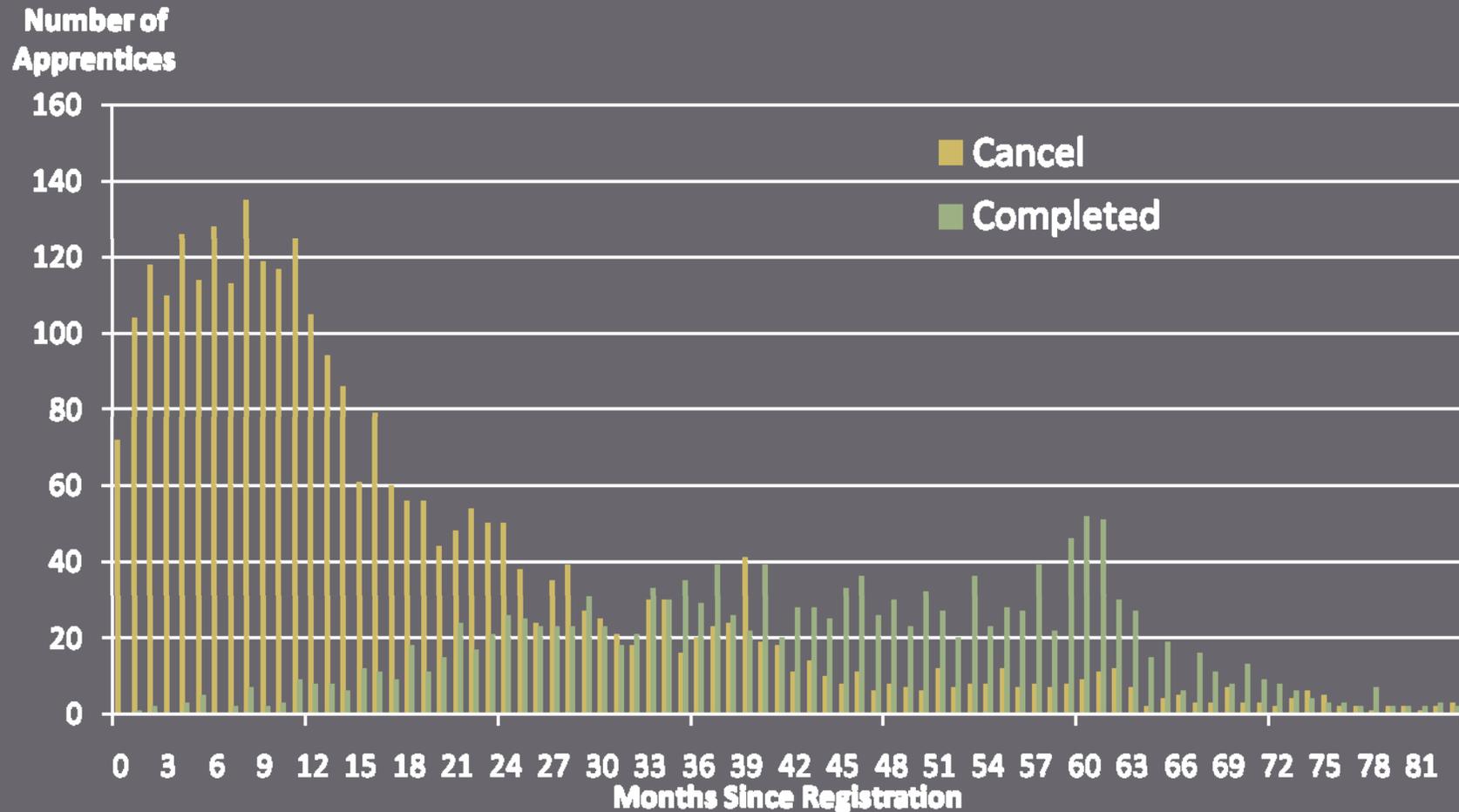
The majority of apprentices over the 10 year period are still registered or have completed their apprenticeship



Two-thirds of the Alaska apprentices were in joint programs



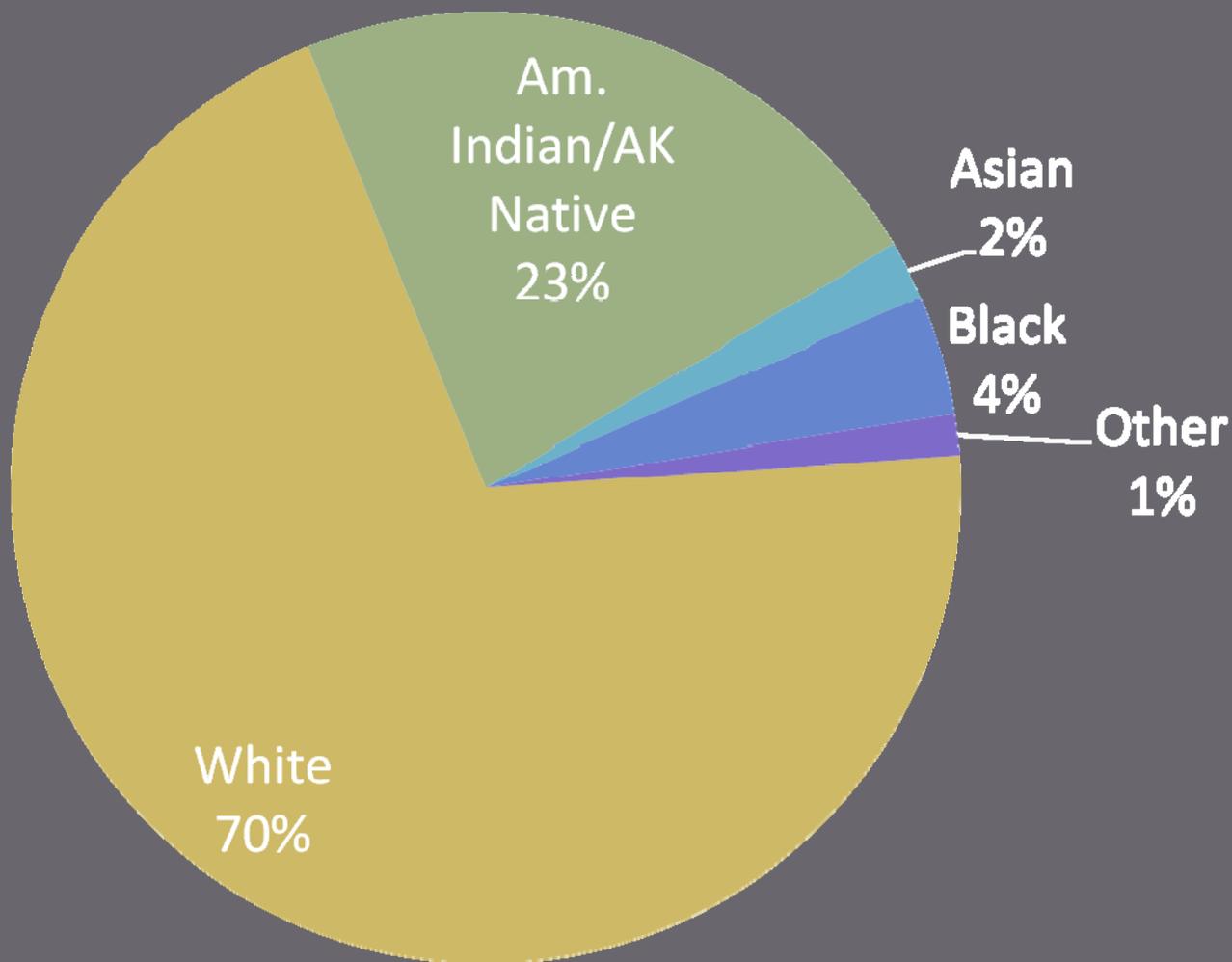
Apprentices that cancel from the program generally leave during the first 12 months



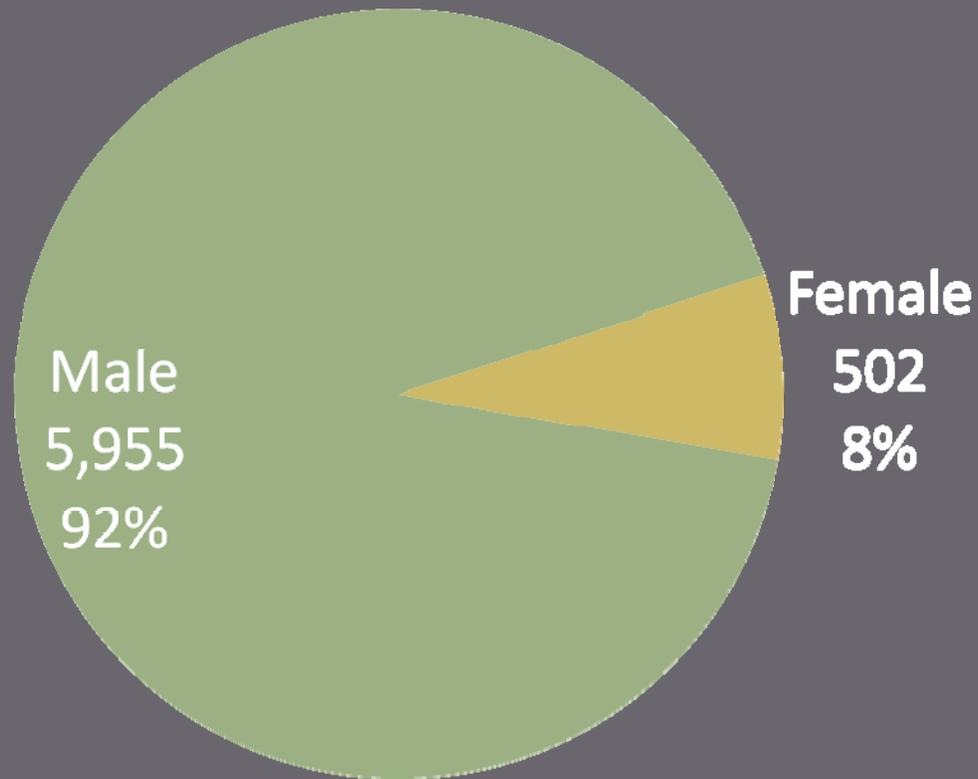
Top Ten Apprenticeship Occupations 1996-2007

| |
|--|
| |
| Electrician |
| Carpenter |
| Plumber |
| Construction Craft Laborer |
| Maintenance Repairer, Building |
| Operating Engineer |
| Pipe Fitter |
| Maintenance Mechanic, Telephone |
| Maintenance Mechanic |
| Line Maintainer |

American Indian or Alaska Native represent one quarter of apprentices

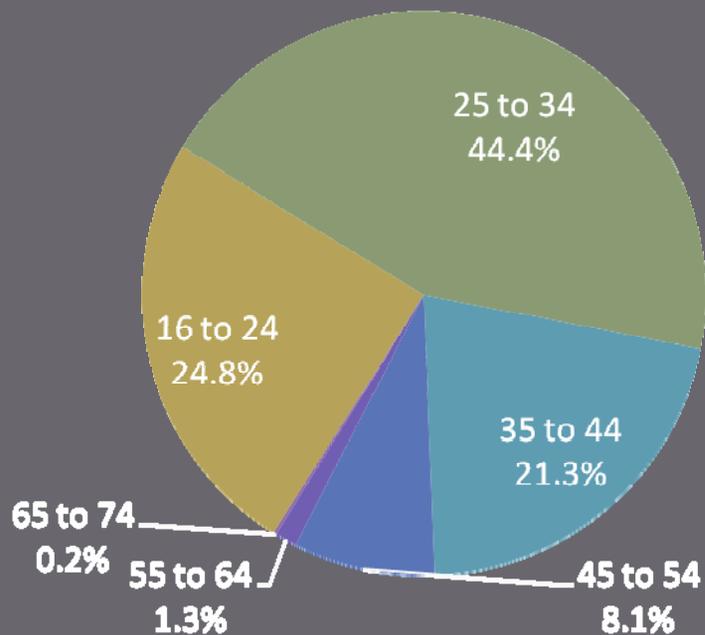


Vast Majority of Alaska Apprentices are Male

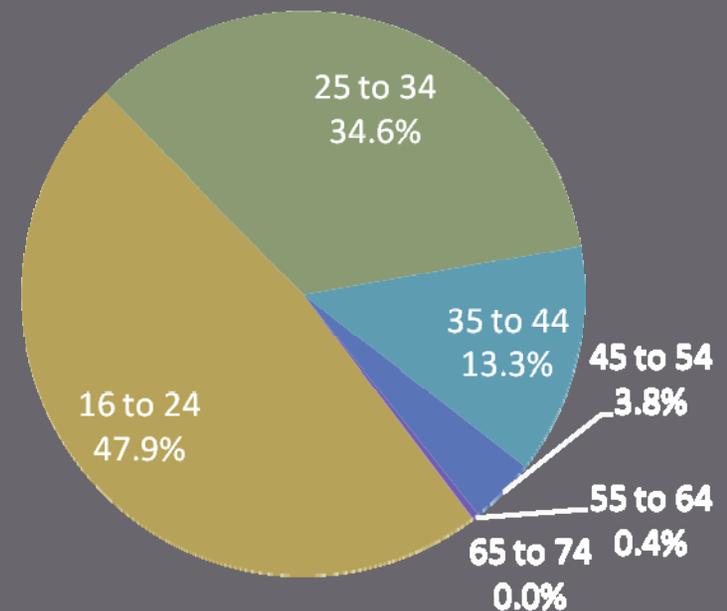


About half of apprentices were under age 25 at registration

Age in 2007
Median Age 29



Age at Registration
Median Age 24

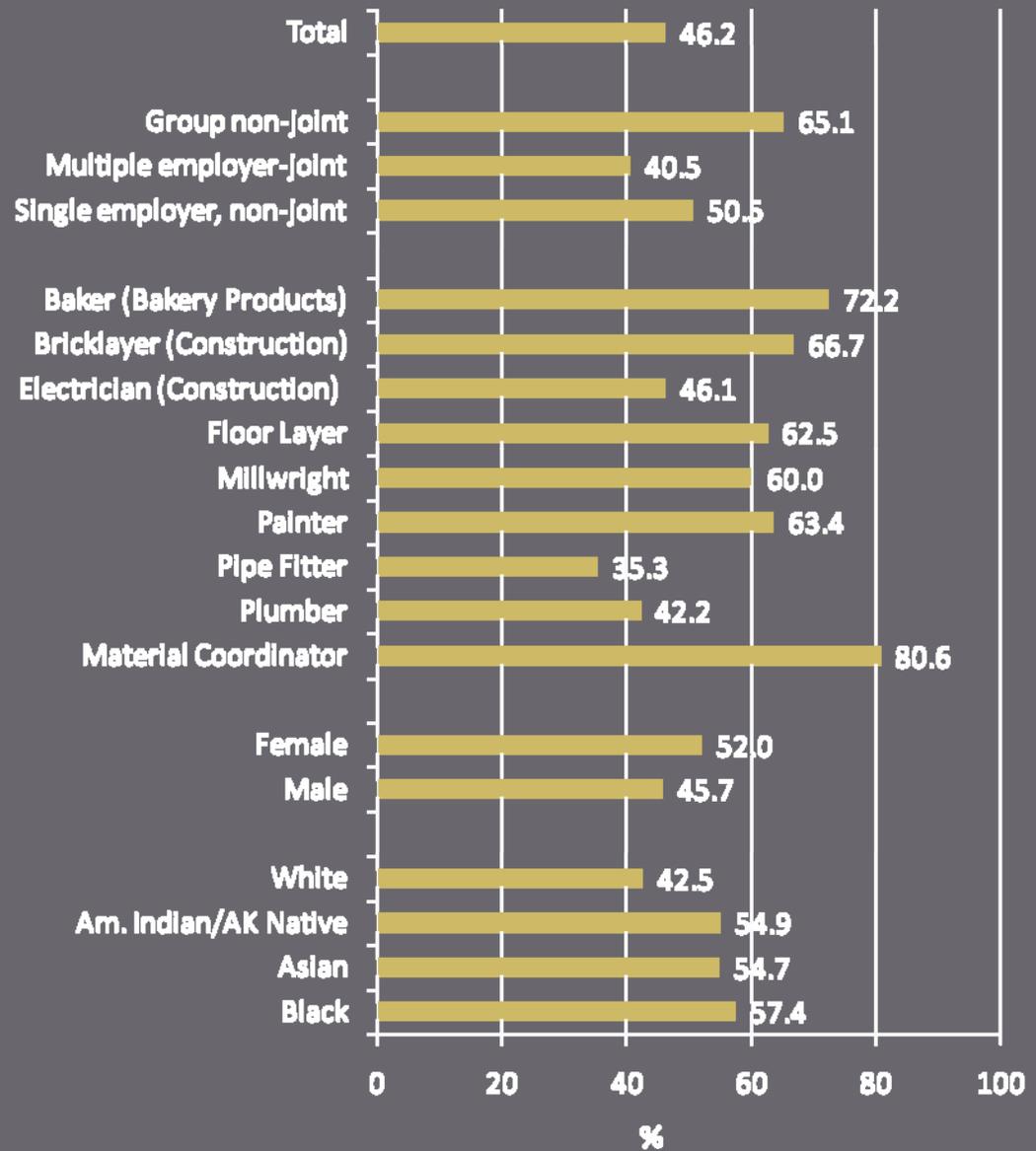


How likely were apprentices to cancel out of the program?

Joint or union affiliated programs overall had a lower cancellation rate than non-joint programs—40% vs 58%.

%).

Cancel Rate For Selected Groups



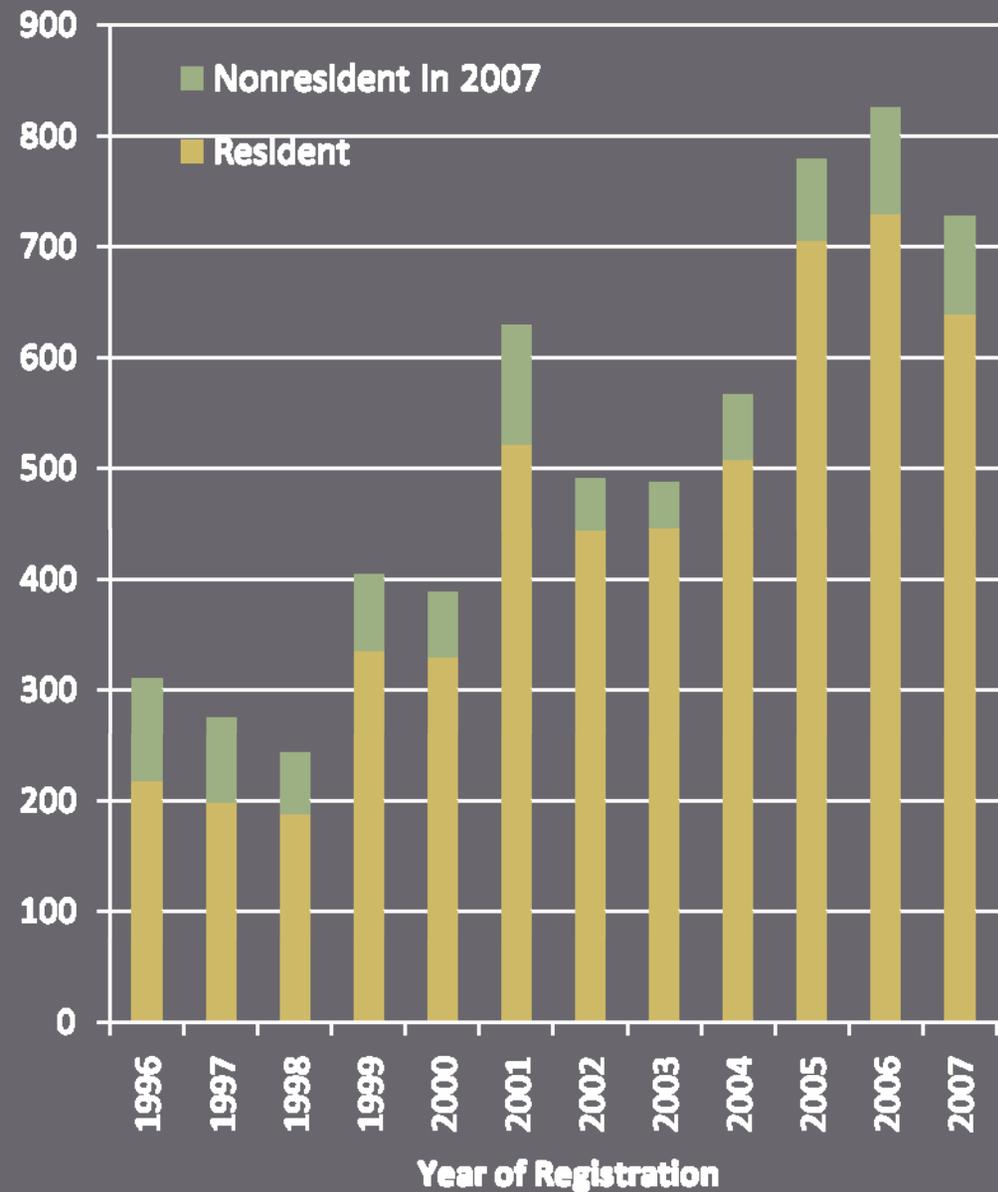
Top ten reasons an apprentice leaves the program:

| | |
|--------------------------------|-----|
| Discharged/Released | 496 |
| Voluntarily Quit | 452 |
| Unsatisfactory Performance | 345 |
| Transfer to Another Program | 117 |
| Left for other Employment | 107 |
| Program Cancelled by Registrar | 41 |
| Left for Related Employment | 39 |
| Program Canceled by Sponsor | 39 |
| Lack of Work | 37 |
| Illness/Death | 27 |

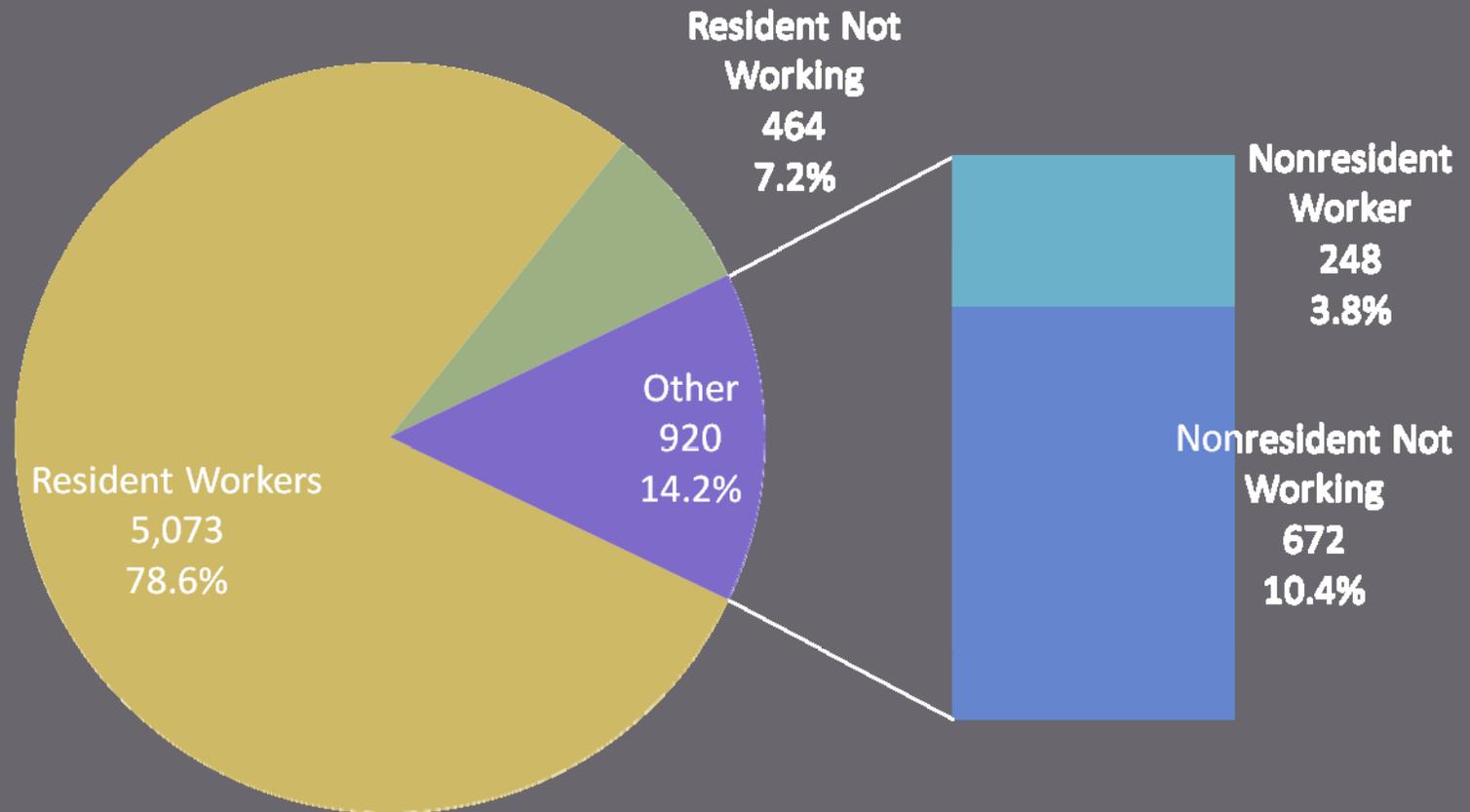
Are the apprentices still residents of Alaska?

86 percent of apprentices since 1996 were still residents of Alaska in 2007.

More than 91 percent of apprentices that are currently active or had completed their apprenticeship were residents . 20 percent of those that cancelled have left the state.re still residents.

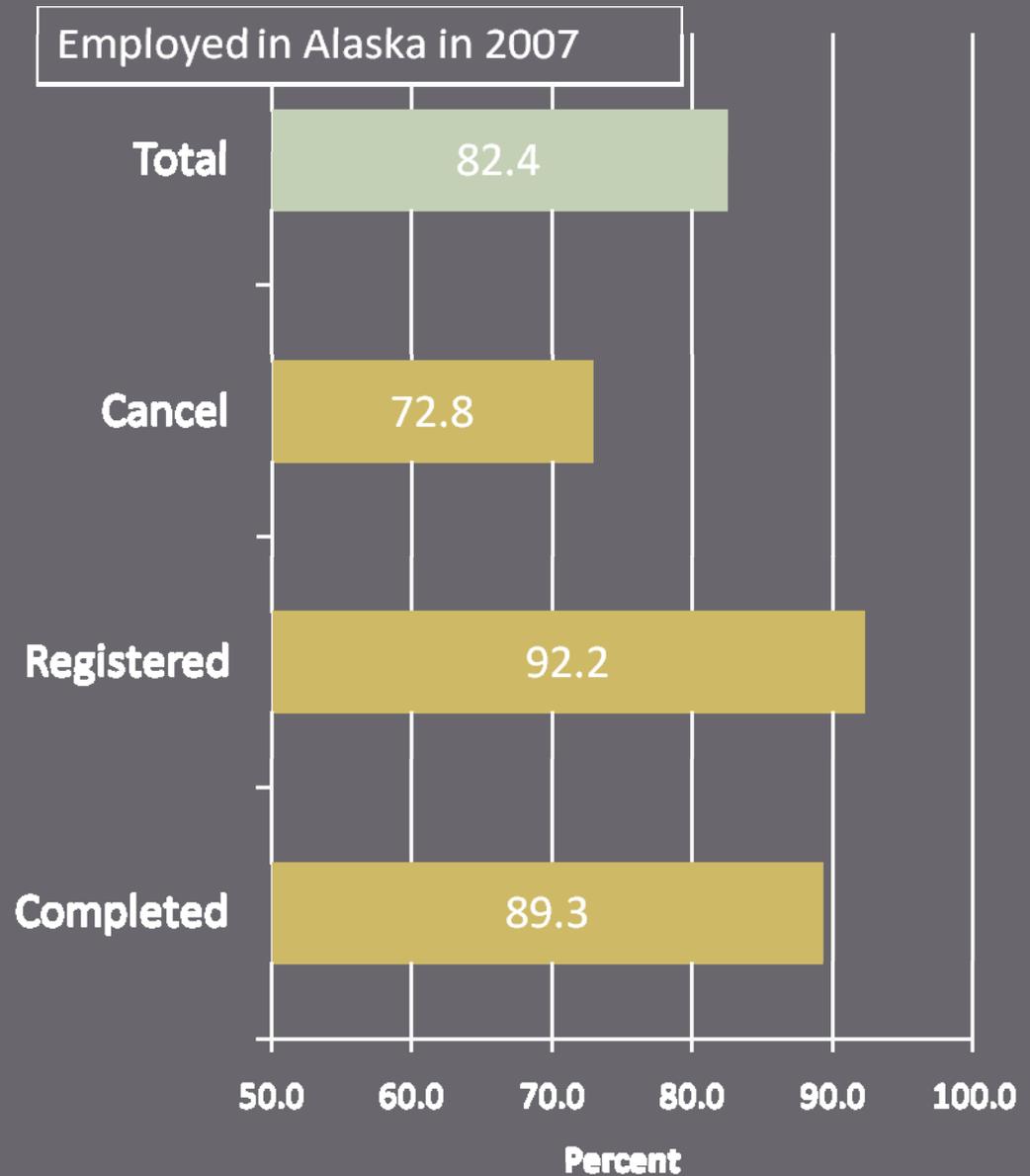


Some former Alaska apprentices are nonresidents, but work in Alaska

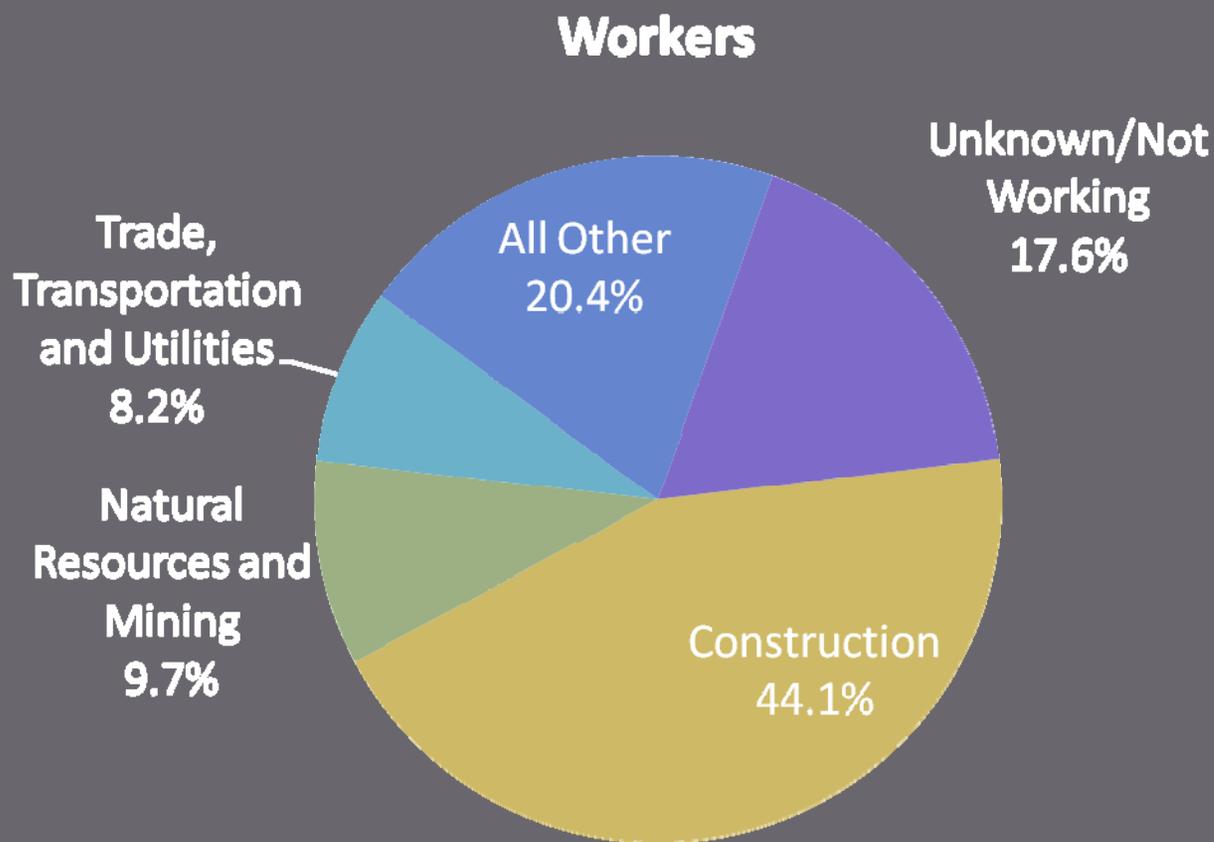


82.4% of all current and former apprentices since 1996 worked in Alaska in 2007.

Completers and current registrants are more likely to be working in Alaska (90.8%) than those that had cancelled out of the program (72.8%).



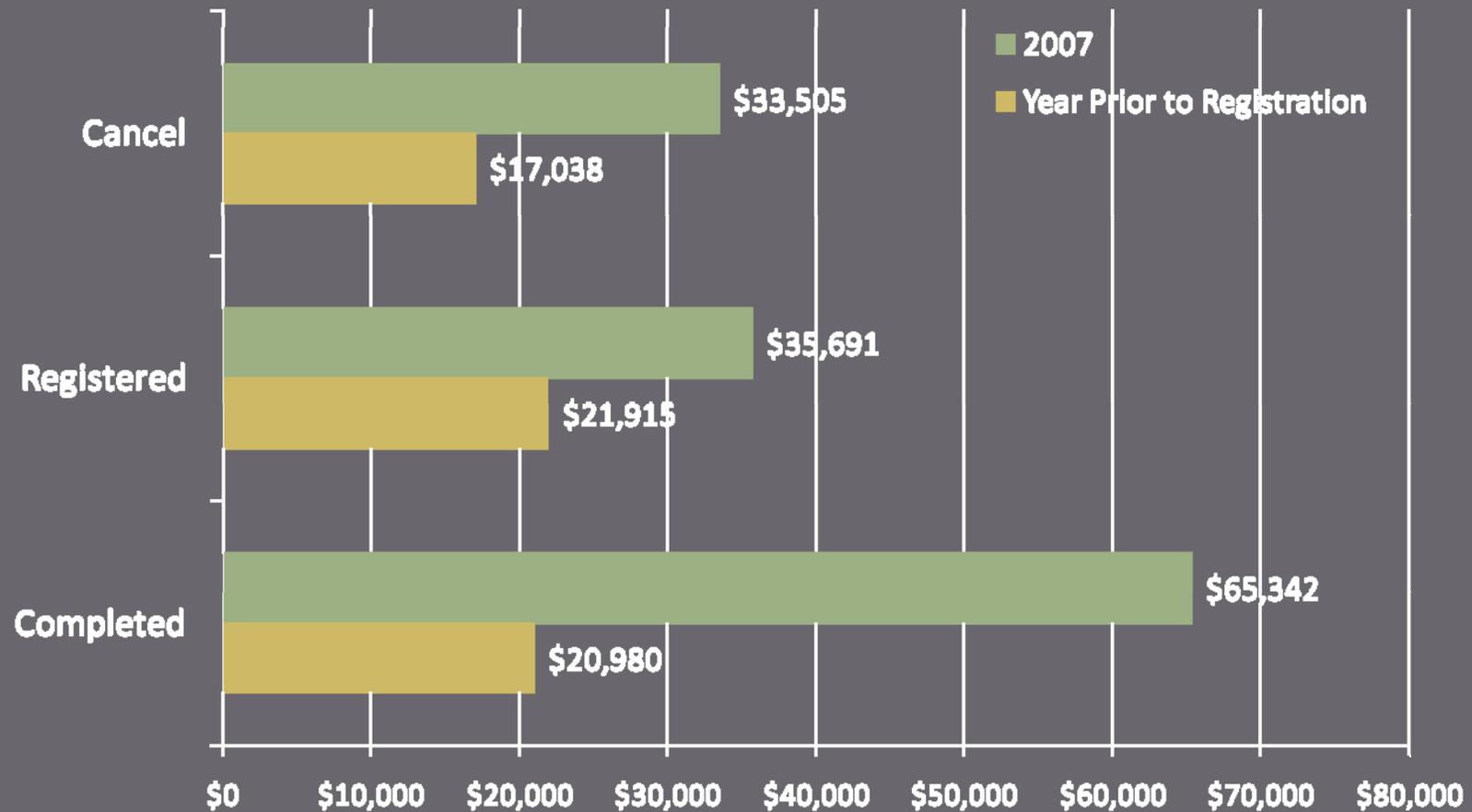
Apprentices were working in construction, natural resources industries in Alaska in 2007



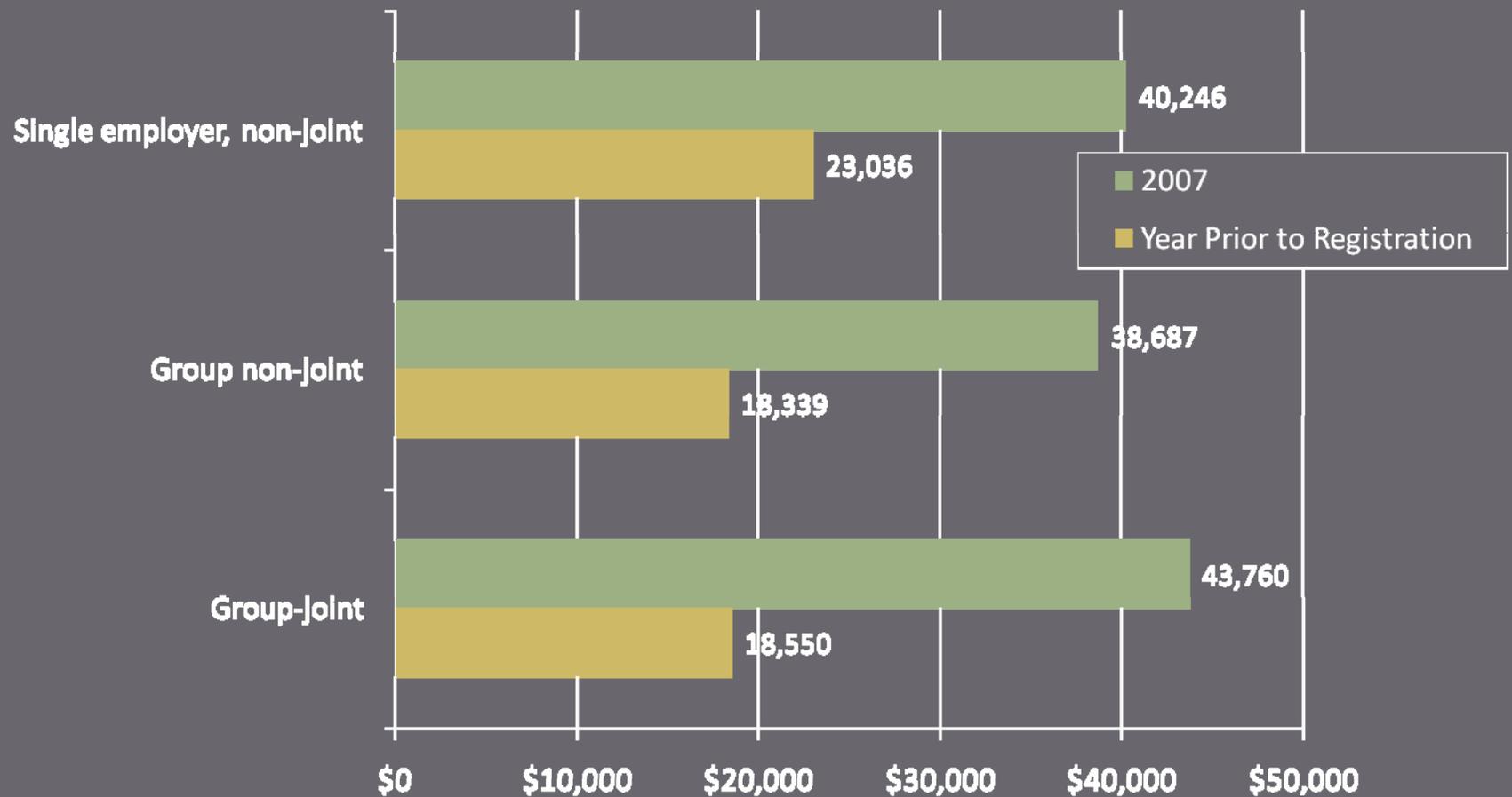
Current and former apprentices earned \$225.7 million in Alaska in 2007 with the biggest share of wages coming from the construction industry (56%)

| | Apprentices | | All Alaska Workers | | | |
|--|--------------|--------------------|--------------------|-----------------------|----------------------------|--------------------------|
| | Workers | Wages | Workers | Wages | % Apprentice Workers | % Apprentice Wages |
| Construction | 2,849 | 127,170,366 | 28,155 | 1,075,259,118 | 10.1 | 11.8 |
| Natural Resources and Mining | 625 | 37,194,825 | 20,353 | 1,536,698,190 | 3.1 | 2.4 |
| Trade, Transportation and Utilities | 532 | 19,383,795 | 85,741 | 2,434,389,444 | 0.6 | 0.8 |
| State and Local Government | 344 | 10,785,161 | 75,844 | 2,518,182,324 | 0.5 | 0.4 |
| Professional and Business Services | 305 | 11,161,205 | 34,175 | 1,168,438,293 | 0.9 | 1.0 |
| All Other | 666 | 20,010,219 | 156,761 | 3,821,285,380 | 0.4 | 0.5 |
| Total | 5,321 | 225,705,571 | 401,474 | 12,561,037,591 | 1.3 | 1.8 |

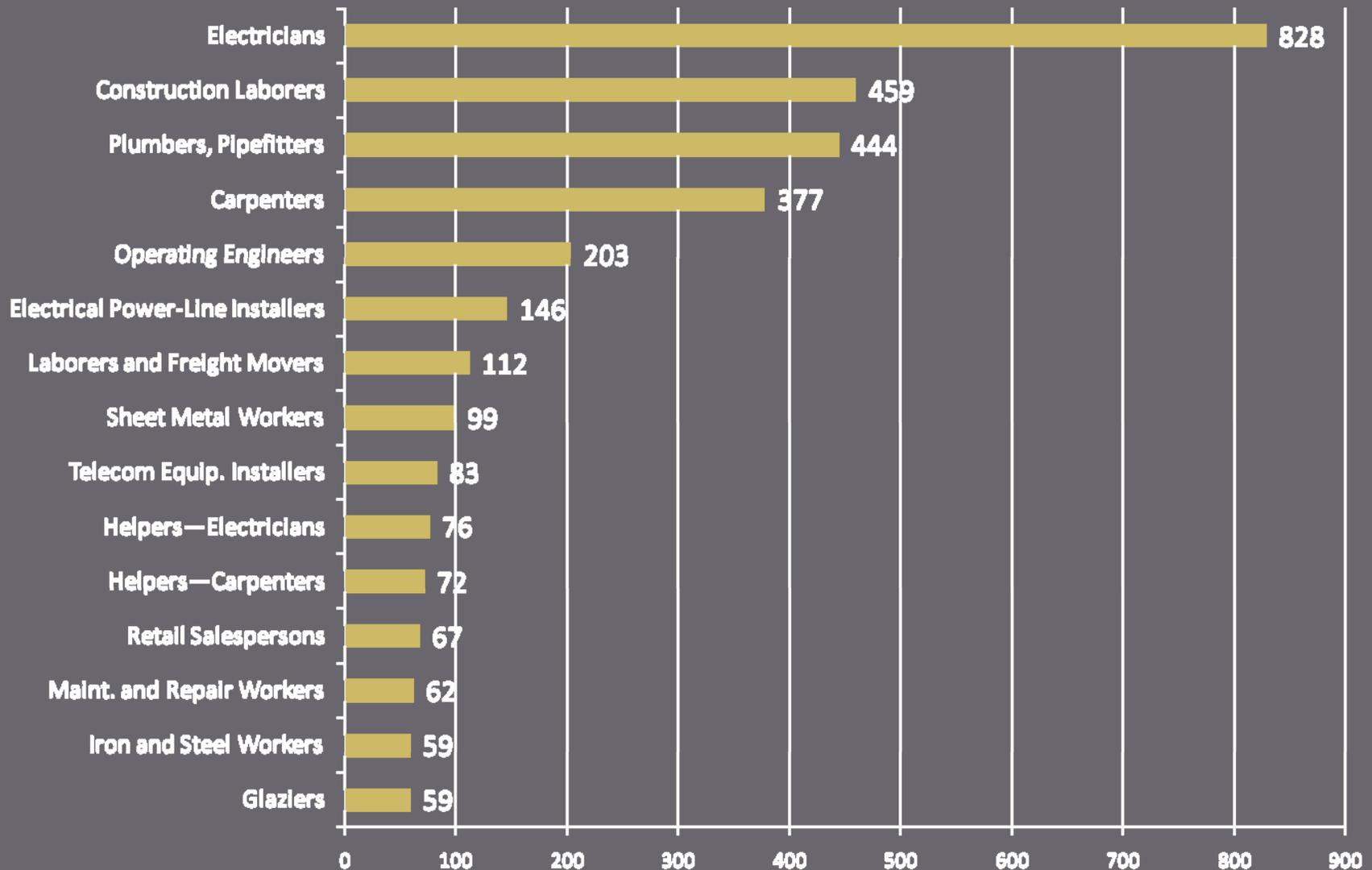
Apprenticeship completers had the highest average earnings and earned three times as much (in nominal dollars) as they earned in the year prior to registration



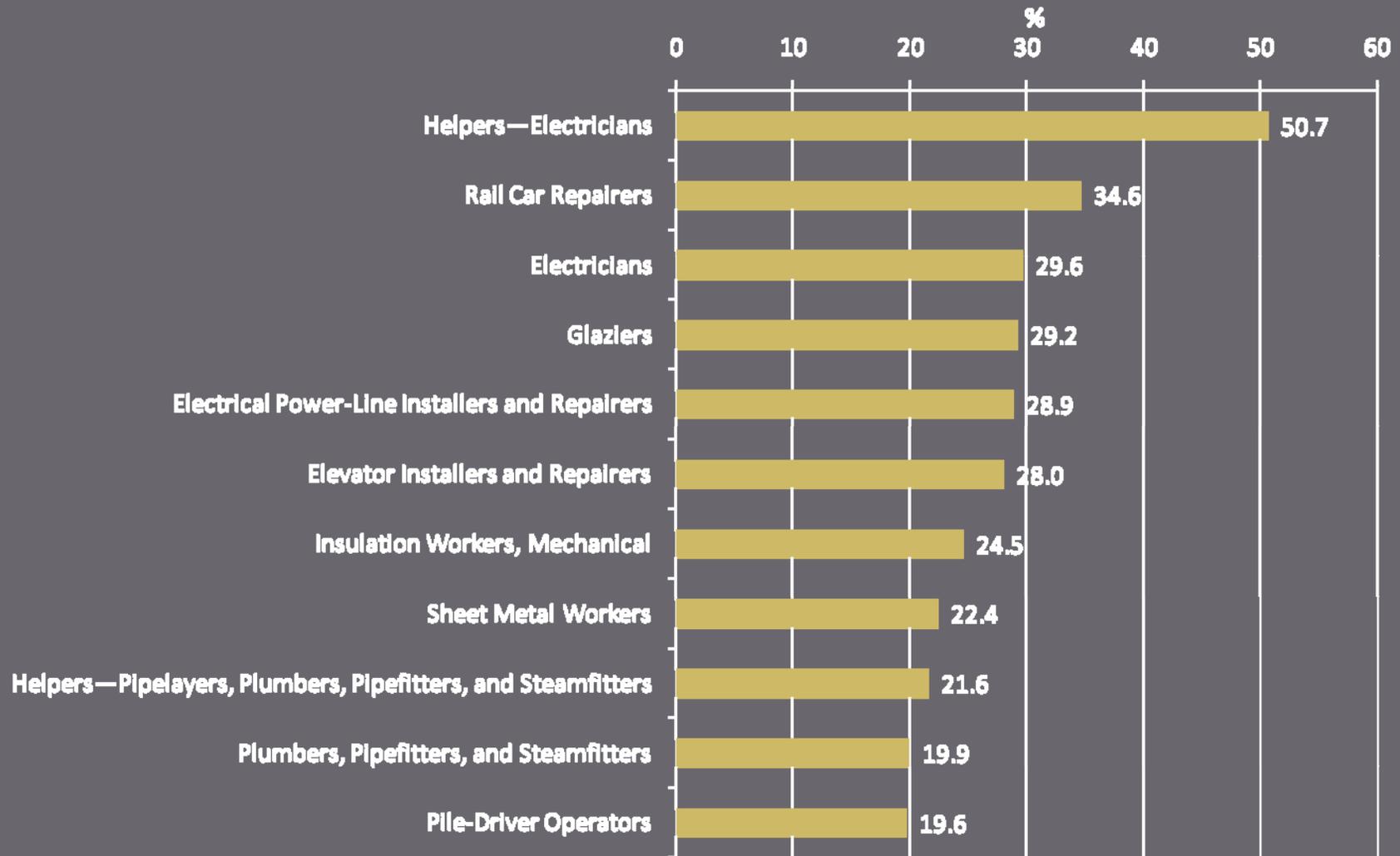
Apprentices from joint programs-including those currently registered or cancelled-earned more than apprentices from other programs



Number of Current and Former Alaska Apprentices Employed by Occupation of Worker (SOC) in 2007



Current and former apprentices were a big share of many Alaska occupations in 2007

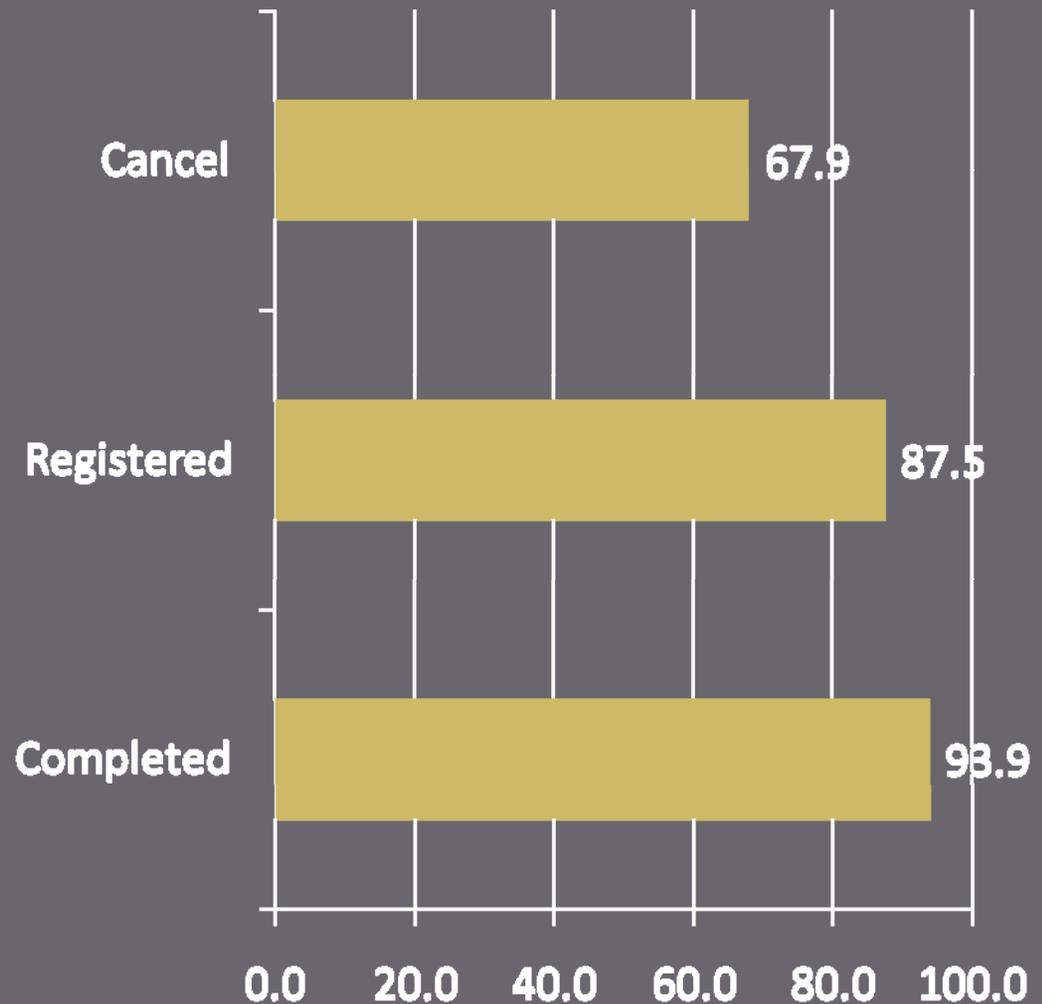


In 2007 were current and former apprentices working in an occupation related to their apprenticeship occupation?

Alaska is unique in that we obtain worker occupational data each quarter. The Occupational Database is maintained by Research and Analysis.

Based upon a match with the Occupational Database, 81% of current and former apprentices employed in Alaska in 2007 were employed in the same general occupational category (2 digit SOC) as that of their apprenticeship program.

Percent of Employed Working in Apprentice Related Occupation



Top Employers of Current and Former Apprentices 2007

| | | |
|--------------------------------|---|--------------------------------|
| NORCON INC | SAMSON ELECTRIC INC | ALASKA COMMUNICATIONS SYSTEM |
| ALCAN ELECTRICAL & ENGINEER IN | ASRC ENERGY SVCS PIPELINE POWER & COMMS | SLAYDEN PLUMBING & HEATING INC |
| ASRC ENERGY SERVICES O&M INC | H C PRICE CO | STATE OF AK |
| DAVIS CONSTRUCTORS & ENGINEERS | THE SUPERIOR GROUP INC | FULLFORD ELECTRIC INC |
| VECO ALASKA INC | WILDER CONSTRUCTION COMPANY | AK RAILROAD CORP |
| NEESER CONSTRUCTION INC | ALASKA INTERSTATE CONST LLC | CROWLEY MARINE SVCS INC |
| COLASKA INC | CHUGACH MANAGEMENT SVCS INC | REDI ELECTRIC INC |
| CITY ELECTRIC INC | UDELHOVEN OILFIELD SYSTEM SVC | TECK COMINCO |

Apprenticeship completers on average earn about 19% more than all year round Alaska workers

| Selected Apprenticeship Occupation | Apprenticeship Completers Year Round Wages in 2007 | All Workers Employed Year Round in 2007 |
|------------------------------------|--|---|
| Carpenter | \$69,264 | \$51,485 |
| Electrician (Construction) | 73,930 | 67,939 |
| Glazier | 61,056 | 51,818 |
| Painter | 49,013 | 45,630 |
| Pipe Fitter | 76,100 | 64,542 |
| Plumber | 75,887 | 63,060 |
| Sheet-Metal Worker | 67,271 | 58,918 |
| | | |
| Total All Apprenticeship | \$72,778 | \$61,316 |

For More Information:

Jeff Hadland, Economist

Alaska Department of Labor and Workforce
Development, Research and Analysis Section

PO Box 115501

Juneau, AK 99811

907.465.6031

Jeff.Hadland@alaska.gov