Leaving Ohio: Migration of Nursing, Accounting, and Computer Science College Graduates — Team 3

RESEARCH QUESTIONS

1. To what extent are Ohio’s college graduates in high-wage and high-demand occupations migrating to Illinois and Missouri?

2. What are the earnings and employment outcomes of people who have Ohio universities’ bachelor’s degrees in high wage/high demand occupations?

Cohort:
This group defined their cohort as Ohio graduates who received bachelor’s degrees in nursing, accounting, or computer systems sometime between 2010 and 2012.

Outcomes of Interest
- Wage outcomes at 1, 2, and 3 years after graduation
- State of employment
- Presence of wages
- Consecutive quarters employed
- Enrollment in graduate school

Key Findings

Of this cohort:
- More than 60 percent were employed in Ohio at both one- and three-years post-graduation
- Nursing degree graduates were the most likely to be employed in Ohio
- Accounting majors were the least likely to find employment in Ohio
- Computer science majors had the highest earnings both one- and three-years post-graduation
- Accounting majors had the lowest earnings both one- and three-years post-graduation
- Across the three majors, earnings increased by 13-18 percent between one- and three-years post-graduation.

Employment and Enrollment Post-Graduation

Average Annual Earnings by Graduation Year

Caveats

This study focused solely on individuals graduating with degrees associated with these high-earning, high-need occupations, instead of analyzing graduates.

The study also did not account for those who pursued supplementary educational pathways in Ohio’s bordering states.

Possible Extensions

Repeat a similar analysis of graduates based on their field of employment instead of graduation major.

SPONSORS

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Data Providers/Sources

Ohio Department of Higher Education
- Higher Education Information dataset

Ohio Department of Job and Family Services
- Unemployment Insurance wage records

Illinois Department of Employment Security
- Unemployment Insurance wage records

Missouri Division of Employment Security
- Unemployment Insurance wage records

Average Annual Earnings in Ohio Compared to Advertised Starting Earnings via OhioMeansJobs