Illinois Community College Board (ICCB)

Data Exchange Project

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October 26, 2016

Certification
Data
Exchange
Project

Topics

- ICCB - CompTIA Data Match Findings

- ICCB - Manufacturing Skill Standards Council (MSSC) Data Match Findings

- Preliminary Employment Outcomes

- New Illinois Project - Talent Pipeline Management Pilot Project

Data matching process with ICCB for CompTIA and MSSC

- Records were matched against community college student level annual data files.

- Matching criteria included last name, first name and zip code.
  - CompTIA -Matched to community college records from FY10 through FY14
  - MSSC - Matched to community college records from FY11 through FY15

- CompTIA unduplicated exam count was 3,420 with 1,449 appearing in the ICCB's community college data
  - Of those matched, 1,215 met threshold for matching with IDES

- MSSC's unduplicated exam count was 1,899 with 826 appearing in the ICCB's community college data
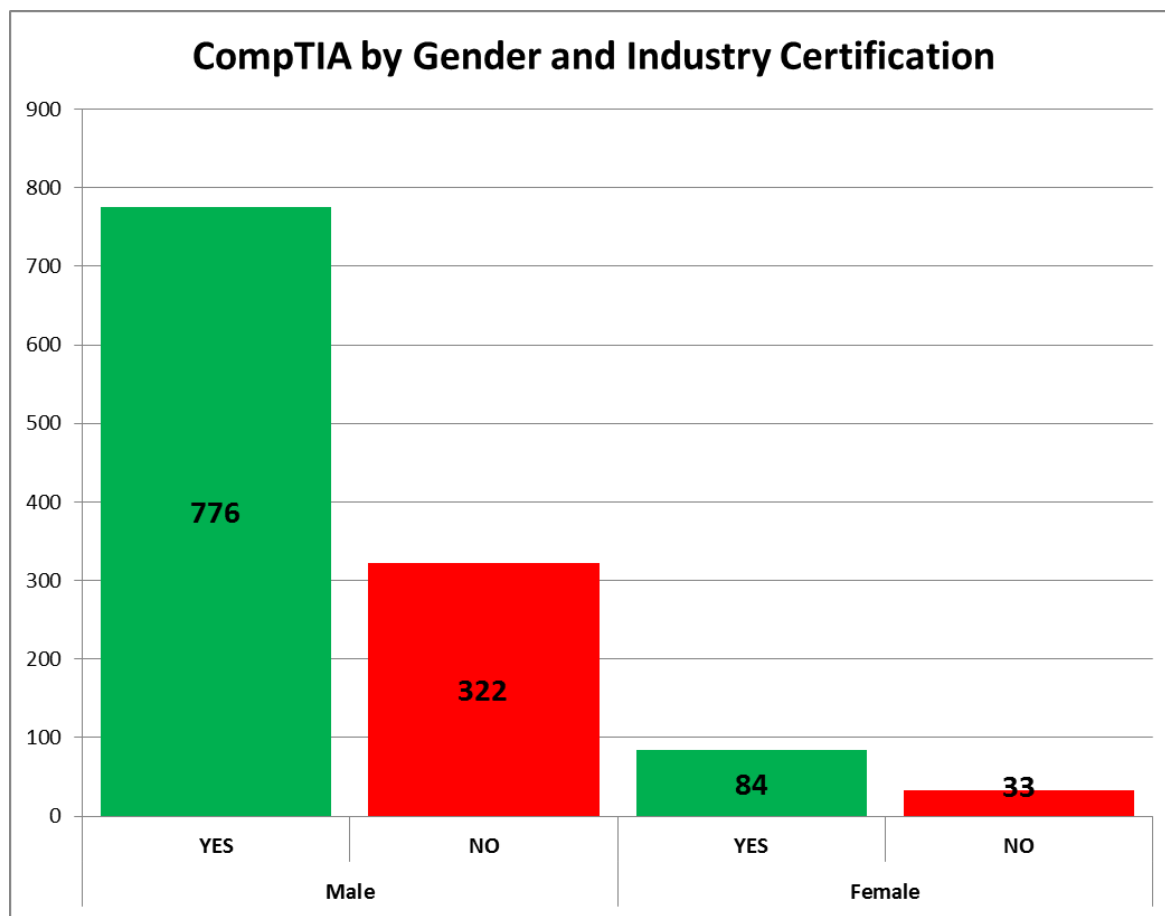 - Of those matched, 791 met threshold for matching with IDES

Data matching for wage records

- The anchor point (t) for each record was developed by looking at the point in which the last exam occurred.

- Wage matching included the following longitudinal checks:
  - t - 4Q Earnings – This represents the earnings of the individual at four quarters prior to established anchor point.
  - t – Earnings – This represents earnings at the quarter of anchor.
  - t + 2Q Earnings – This represents earnings two quarters post anchor.
  - t + 4Q Earnings – This represents earnings four quarters post anchor

- For the 1,215 CompTIA records matched, 940 were available for the full match period.
  - The remaining 275 were available for matching for t – 4Q Earnings, t – Earnings and t + 2Q Earnings.

- For the 791 MSSC records matched, 479 were available for the full match period.
  - The remaining 312 were available for matching for t – 4Q Earnings, t – Earnings and t + 2Q Earnings.
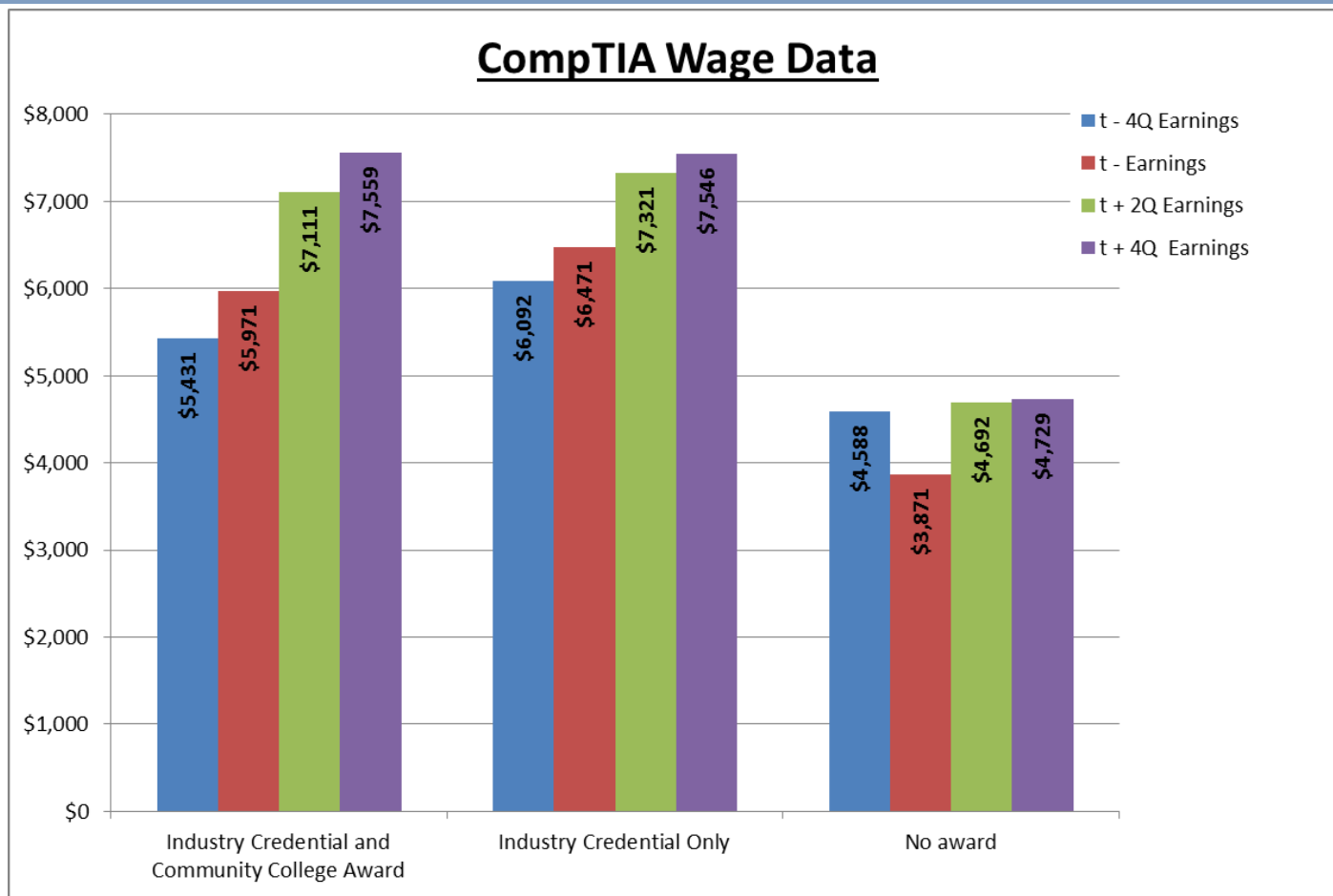
Initial Findings

CompTIA files

Certification status for records matched with ICCB and Employment records by Gender and Average Age

CompTIA by Gender and Industry Certification

Earned Industry Certification	Total records	Average Age
NO	355	27
YES	860	28
Grand Total	1215	28

CompTIA Wage data prior to exit, at exit and post-exit

CompTIA Wage Data

Legend:
- t - 4Q Earnings
- t - Earnings
- t + 2Q Earnings
- t + 4Q Earnings

Industry Credential and Community College Award:
- $5,431
- $5,971
- $7,111
- $7,559

Industry Credential Only:
- $6,092
- $6,471
- $7,321
- $7,546

No award:
- $4,588
- $3,871
- $4,692
- $4,729

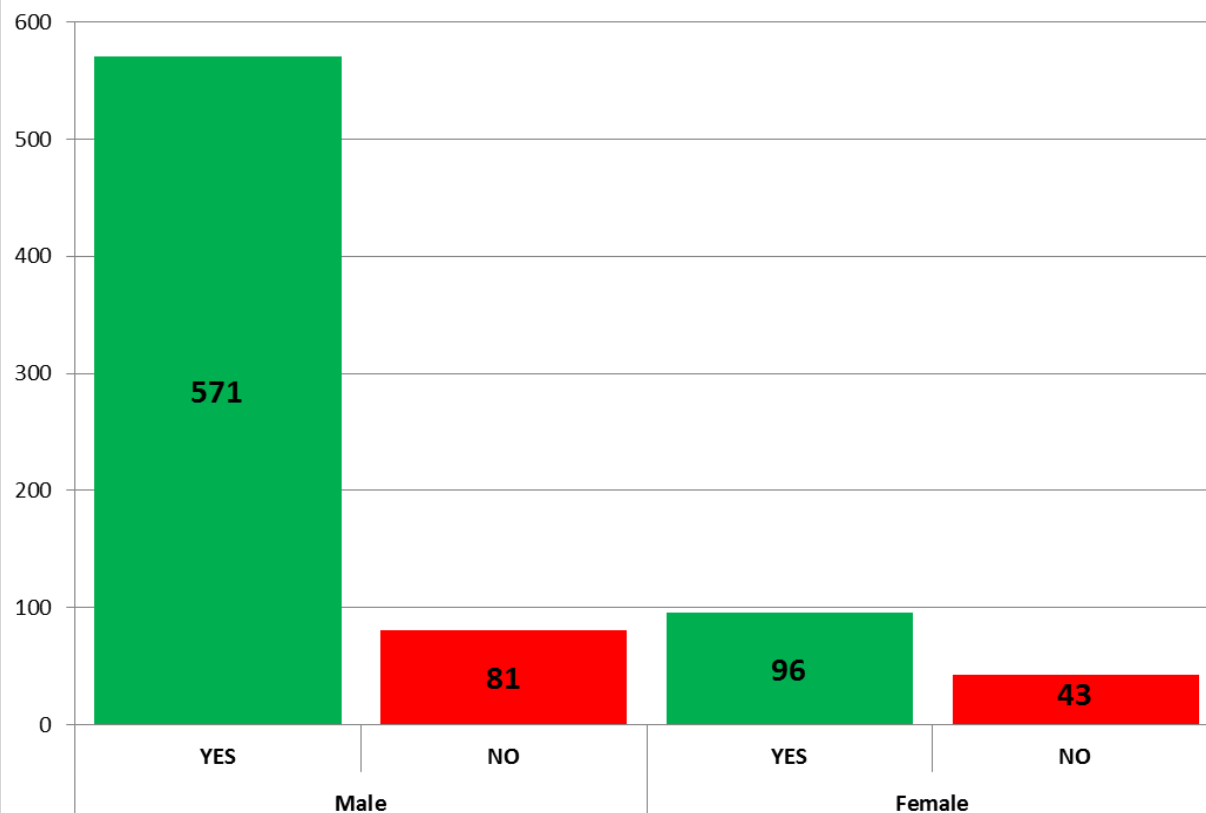* Of the 940 matched, 700 appeared with wage records.

Initial Findings

MSSC files

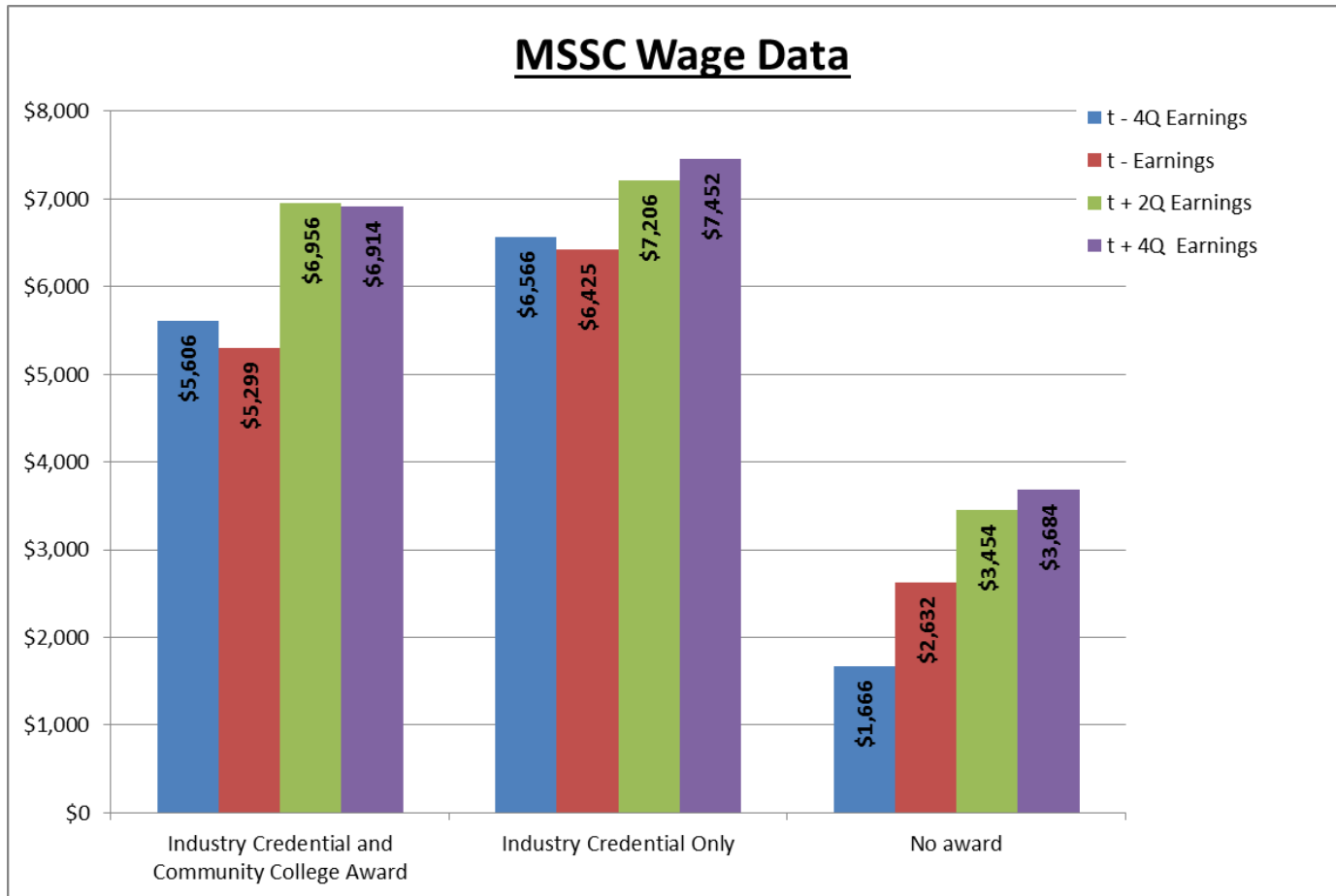# MSSC Certification status for records matched with ICCB and Employment records by Gender and Average Age

MSSC by Gender and Industry Certification

Earned Industry Certification	Total records	Average Age
NO	124	26
YES	667	34
Grand Total	791	32

MSSC Wage data prior to exit, at exit and post-exit

MSSC Wage Data

Legend:
- t - 4Q Earnings
- t - Earnings
- t + 2Q Earnings
- t + 4Q Earnings

Industry Credential and Community College Award:
- $5,606
- $5,299
- $6,956
- $6,914

Industry Credential Only:
- $6,566
- $6,425
- $7,206
- $7,452

No award:
- $1,666
- $2,632
- $3,454
- $3,684

* Of the 479 matched, 394 appeared with wage records.

Insights and Considerations

- Need for additional identifier (i.e. Birthdate, etc.) to assist with data matching confidence

- Established business rules for matching that occurs with multiples colleges and multiple enrollments for standardization process

- Testing and certification patterns in relation to multiple enrollments that occur across time.

- Identity resolution to ensure Industry Recognized Credential student ID number is consistent

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