

Study of Apprentices – Earnings and Pathways in Nova Scotia

2018 Industry Meeting and Awards
Breakfast Agenda

*The Business Case for Apprenticeship
Training in Nova Scotia*

November 20, 2018



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STATISTICS CANADA

ONE HUNDRED YEARS AND COUNTING

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Statistics Canada



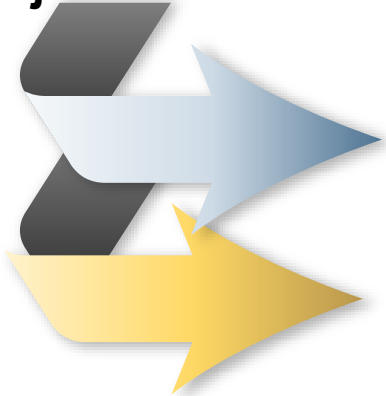
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Who we are: Statistics Canada

Objectives:

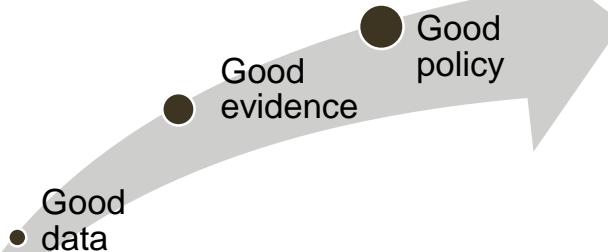


- 1) To provide statistical information and analysis about the economic and social structure
- 2) To promote sound statistical standards and practices

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Centre for Education Statistics

Connecting quality education statistics to quality decision making



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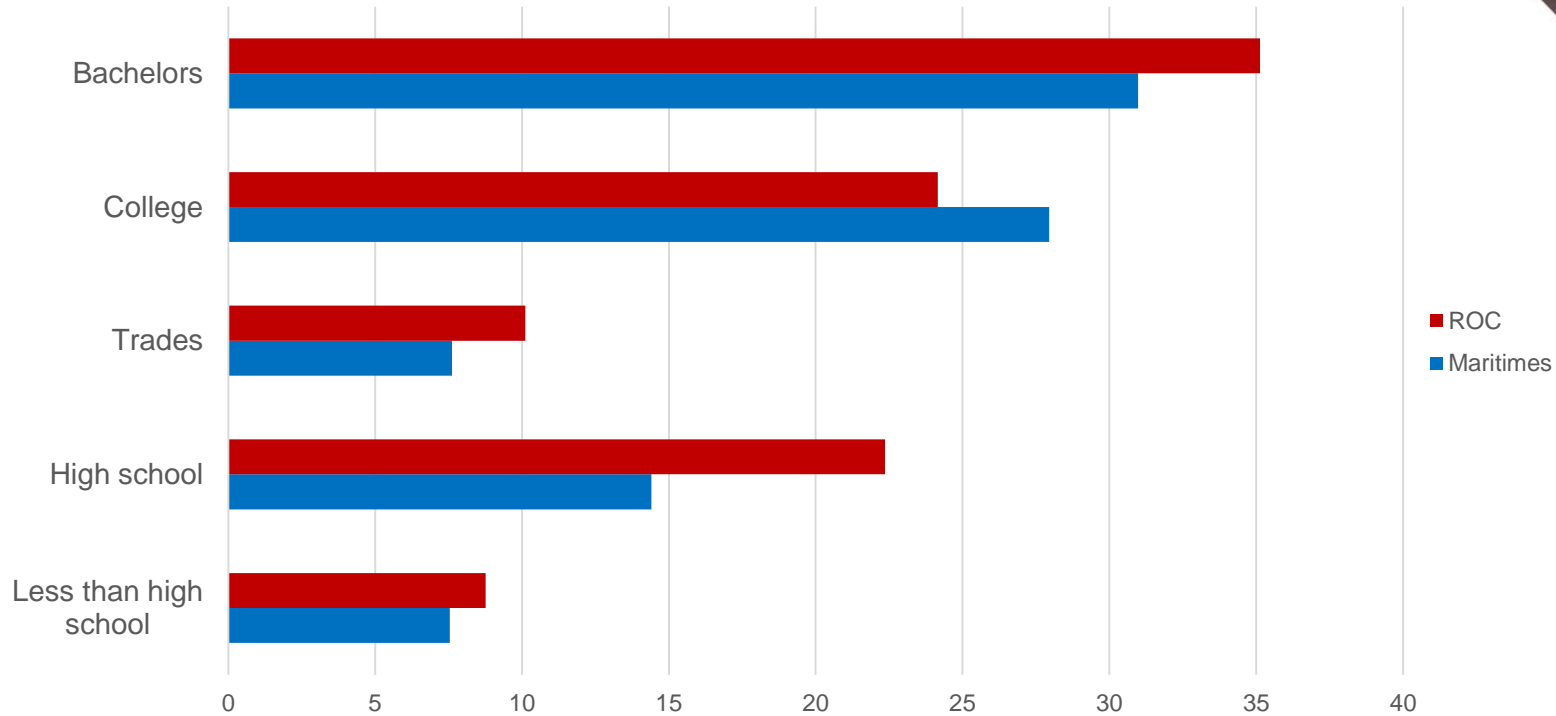
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Overall, young adults in the Maritimes are less likely to have university or trades credential but more likely to college credential



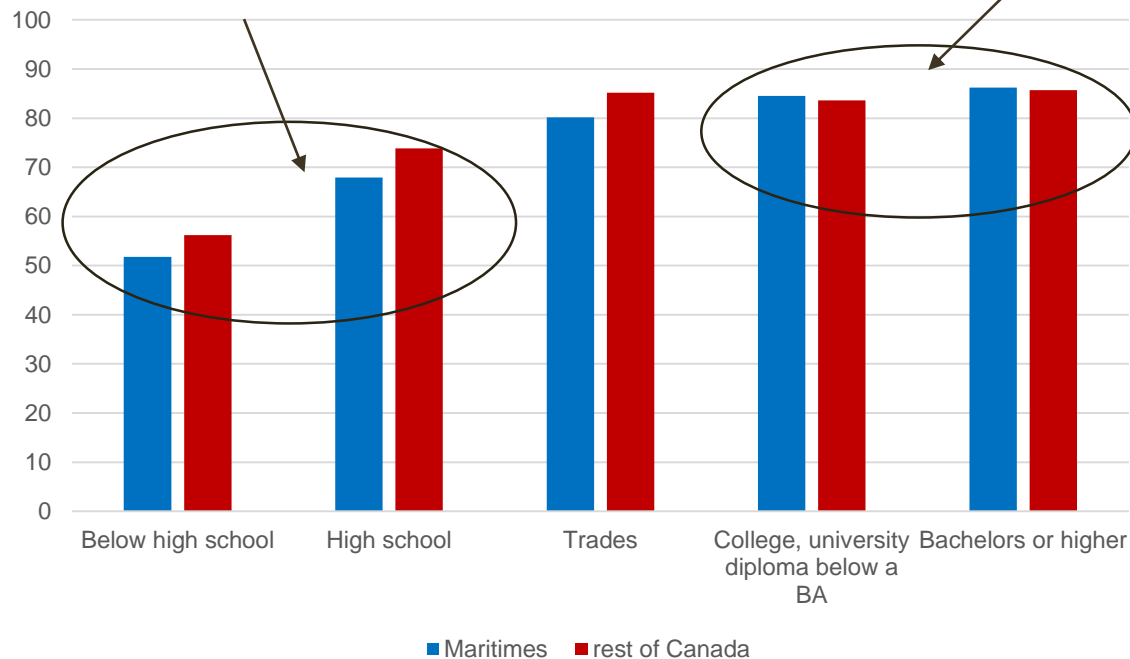
Source: Census of population, 2016

Postsecondary education provides an advantage in the labour market, and more so in the Maritimes than in the rest of Canada



Employment rates for those without postsecondary education is lower in the Maritimes compared to the rest of Canada

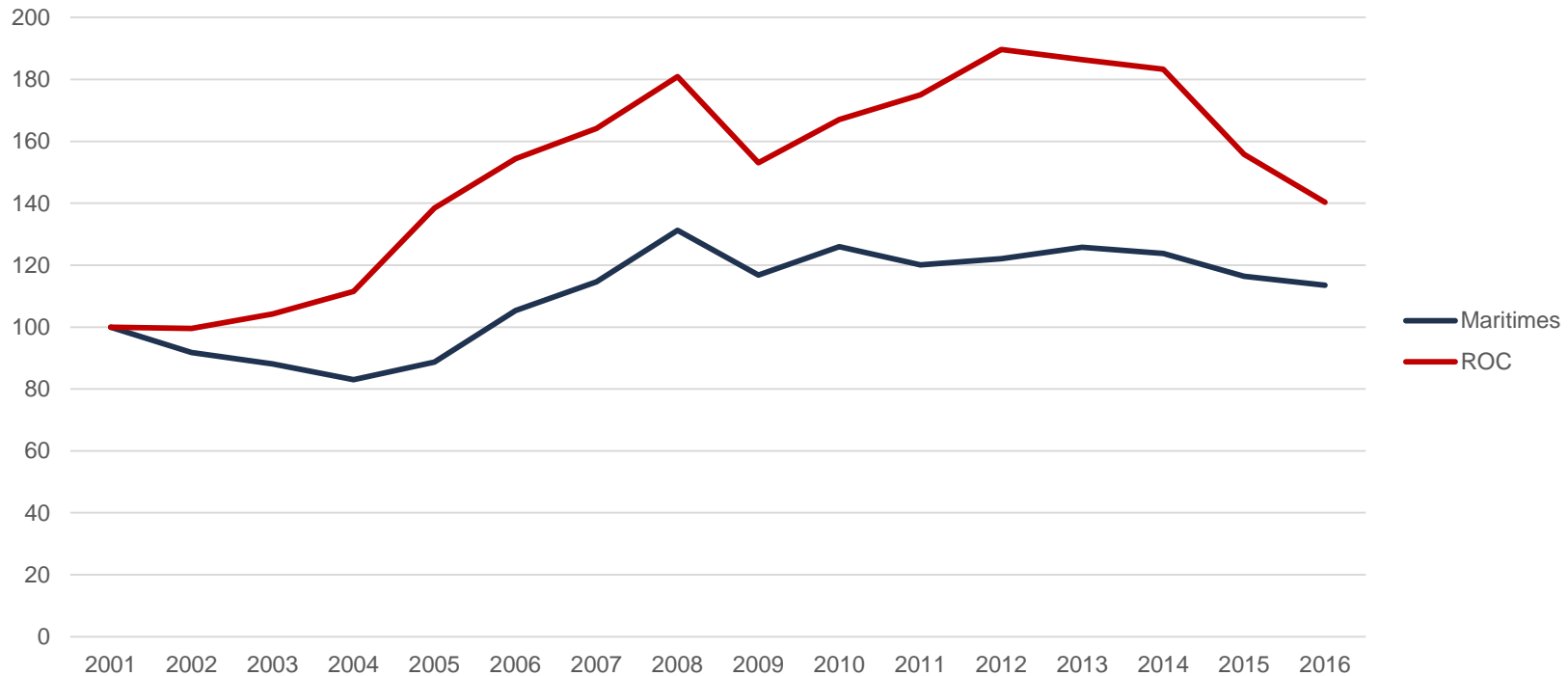
Employment rates for those with postsecondary education above the trades is similar in the Maritimes and the rest of Canada



New apprenticeship registrations in the Maritimes have been stable, while in the rest of Canada, they varied more with economic cycles



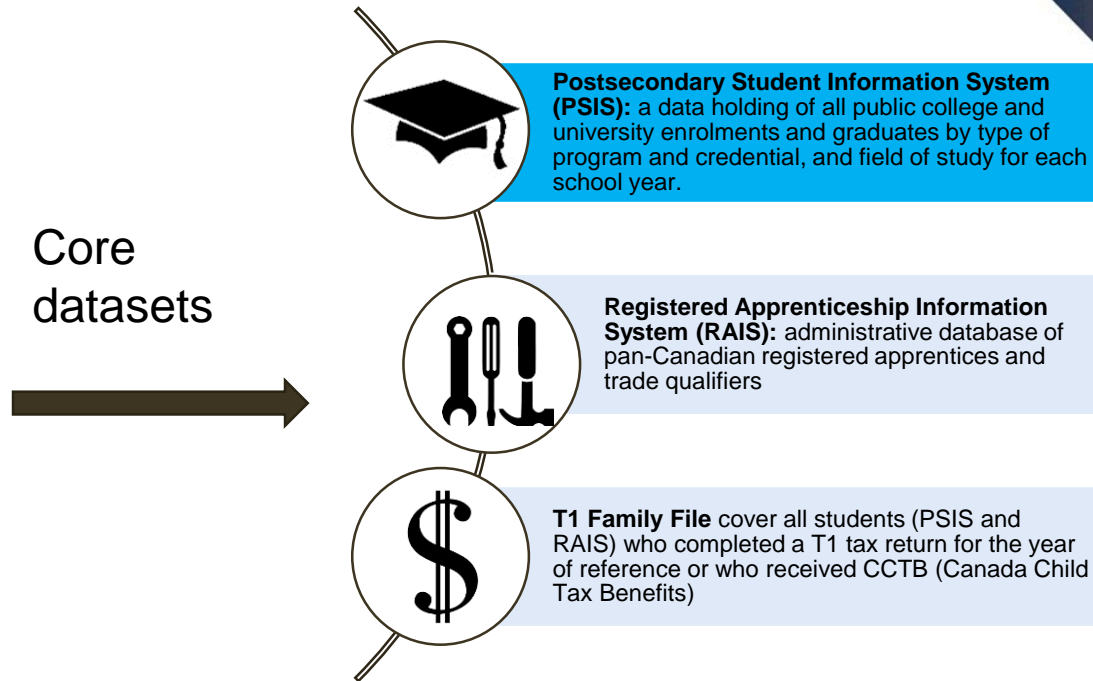
Maritimes vs. ROC registrations of apprentices 2001=100



Source: Statistics Canada, RAIS, 2001-2016

Education and Labour Market Longitudinal Platform (ELMLP)

ELMLP is a **platform of securely integrated datasets** which are **longitudinal** and will be **accessible** for research purposes in RDC.



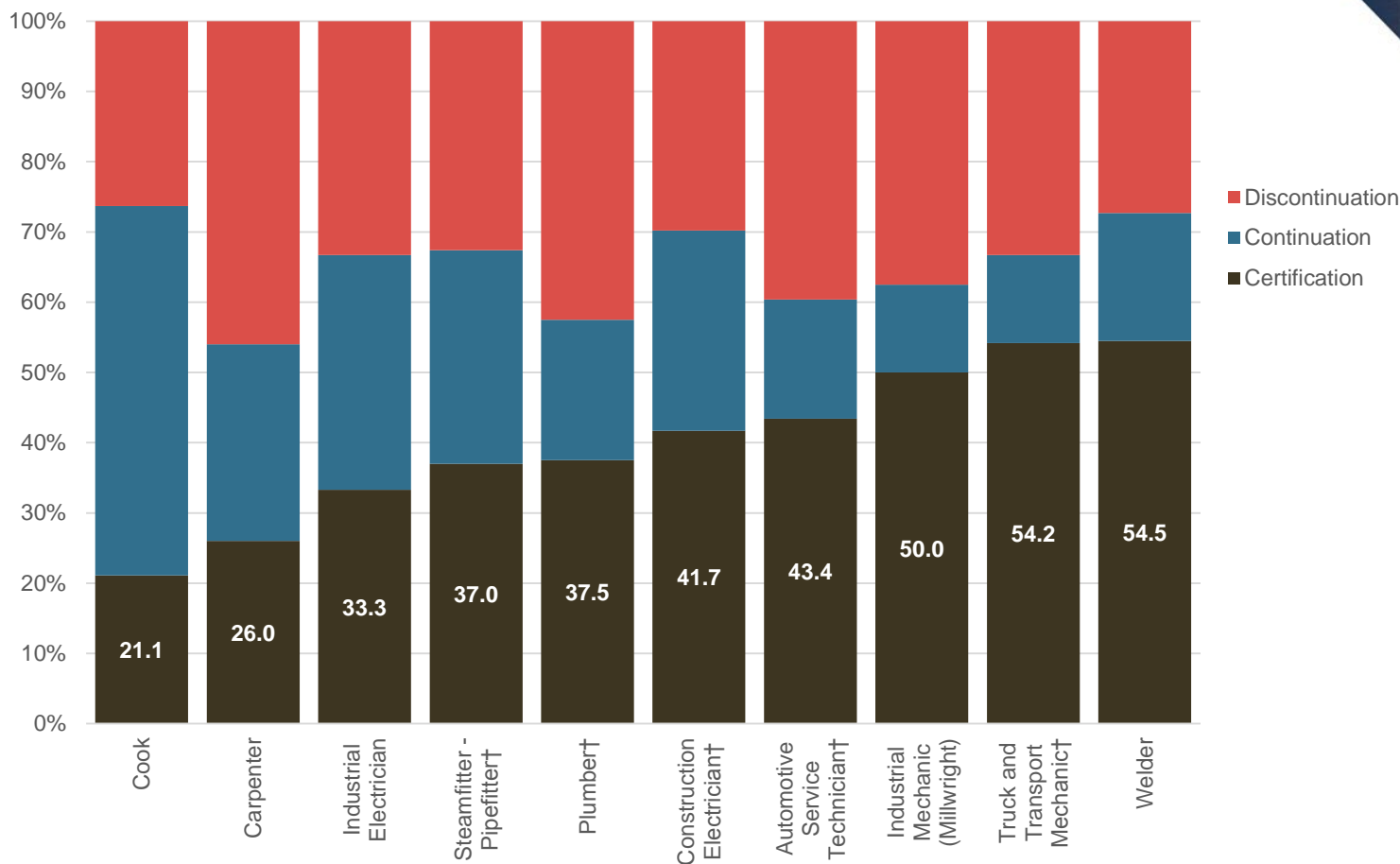
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For the 2008 cohorts, certification rate is the highest for Welders in Nova Scotia



Pathways indicators, 2008 registration cohorts, Nova Scotia



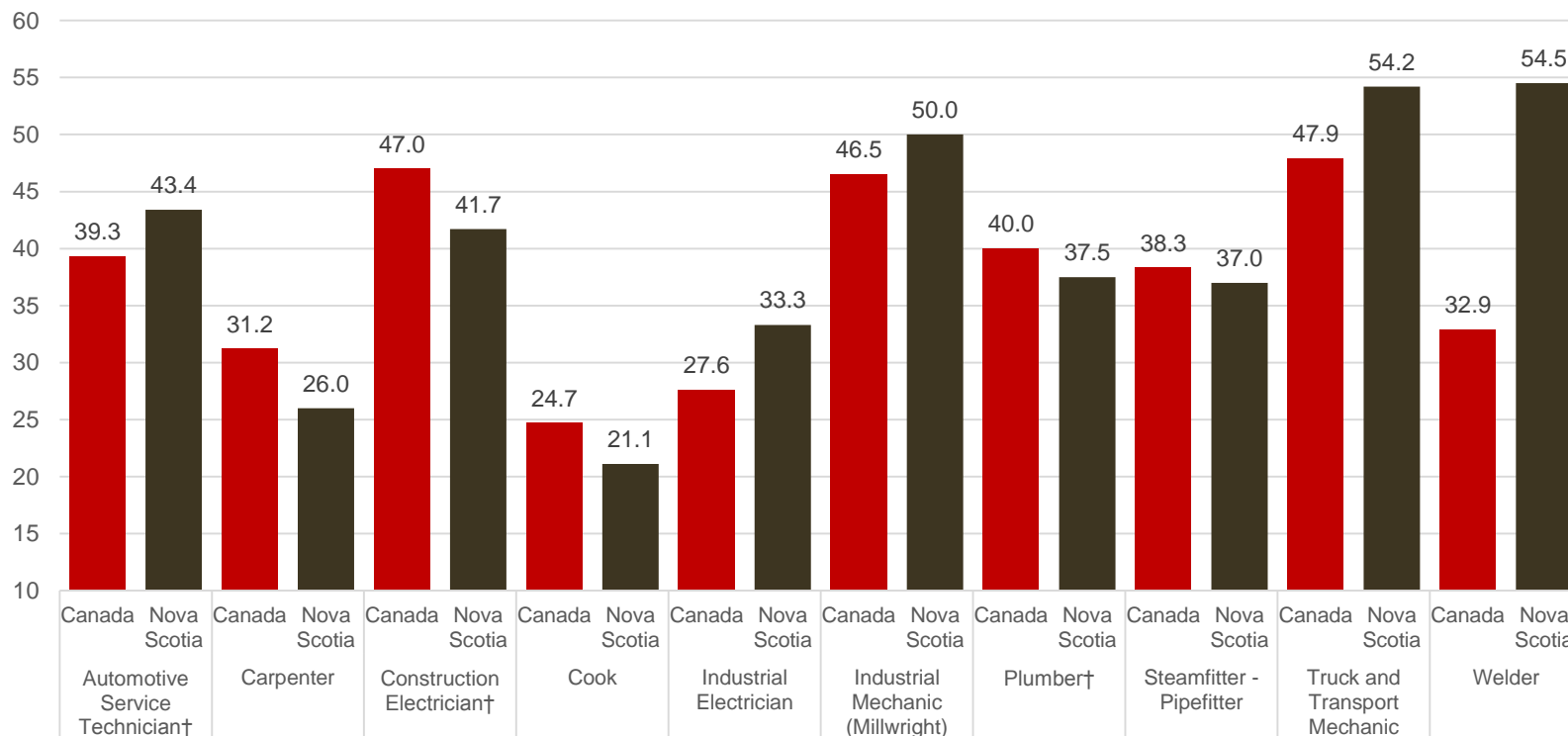
Source: Statistics Canada, ELMLP-RAIS 2008 to 2016.

Preliminary Results- Subject to Change

For the 2008 cohorts, certification rates in Nova Scotia are higher for half of apprenticeship programs



Pathways indicators (Certification Rate), 2008 registration cohorts, Nova Scotia and Canada



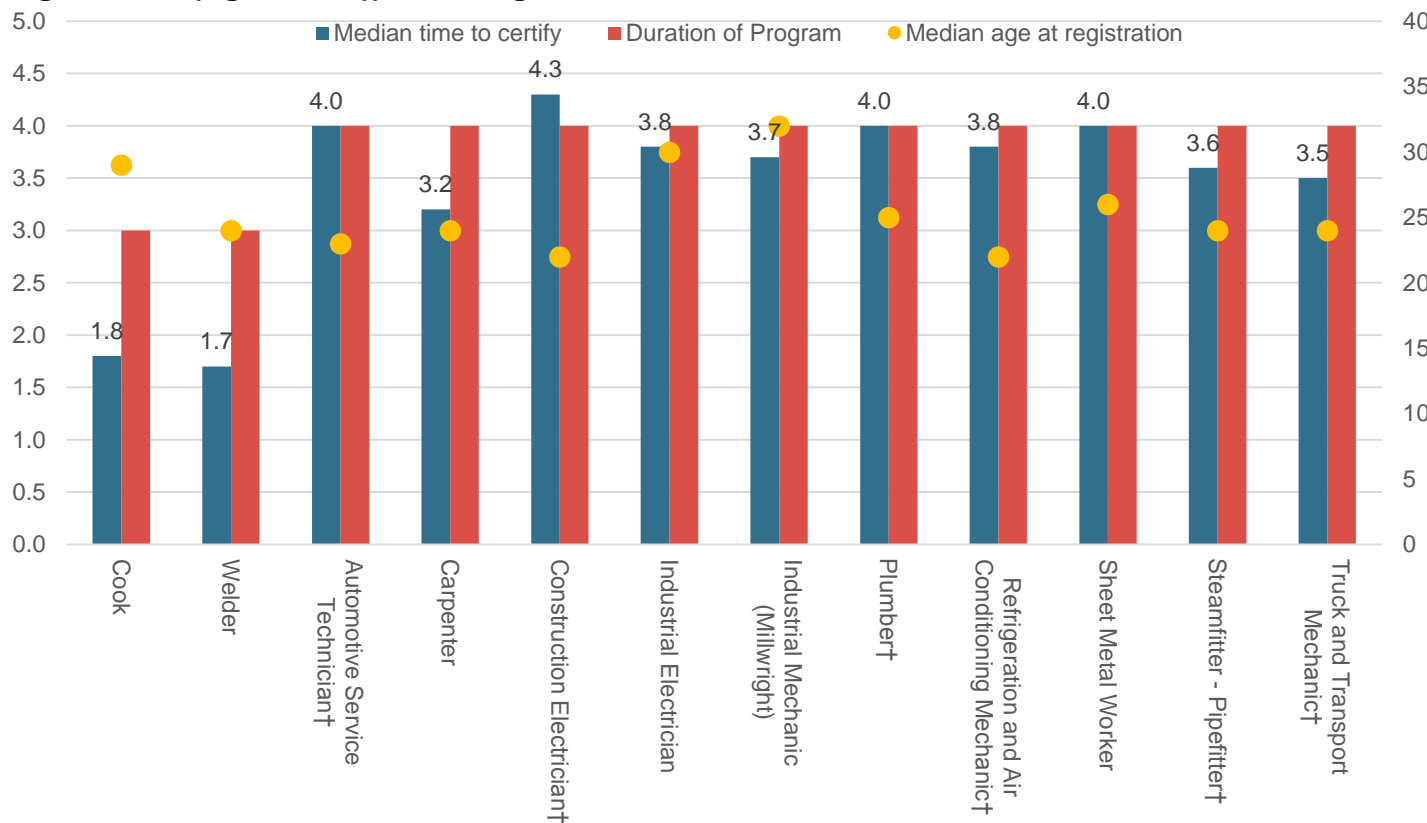
Source: Statistics Canada, ELMLP-RAIS 2008 to 2016.

Preliminary Results- Subject to Change

Most registered apprentices who obtain certification in Nova Scotia, do it within 6 month of regular program duration.



Pathways indicators (median time to certify, duration of program and median age at registration (right scale)), 2008 registration cohorts, Nova Scotia



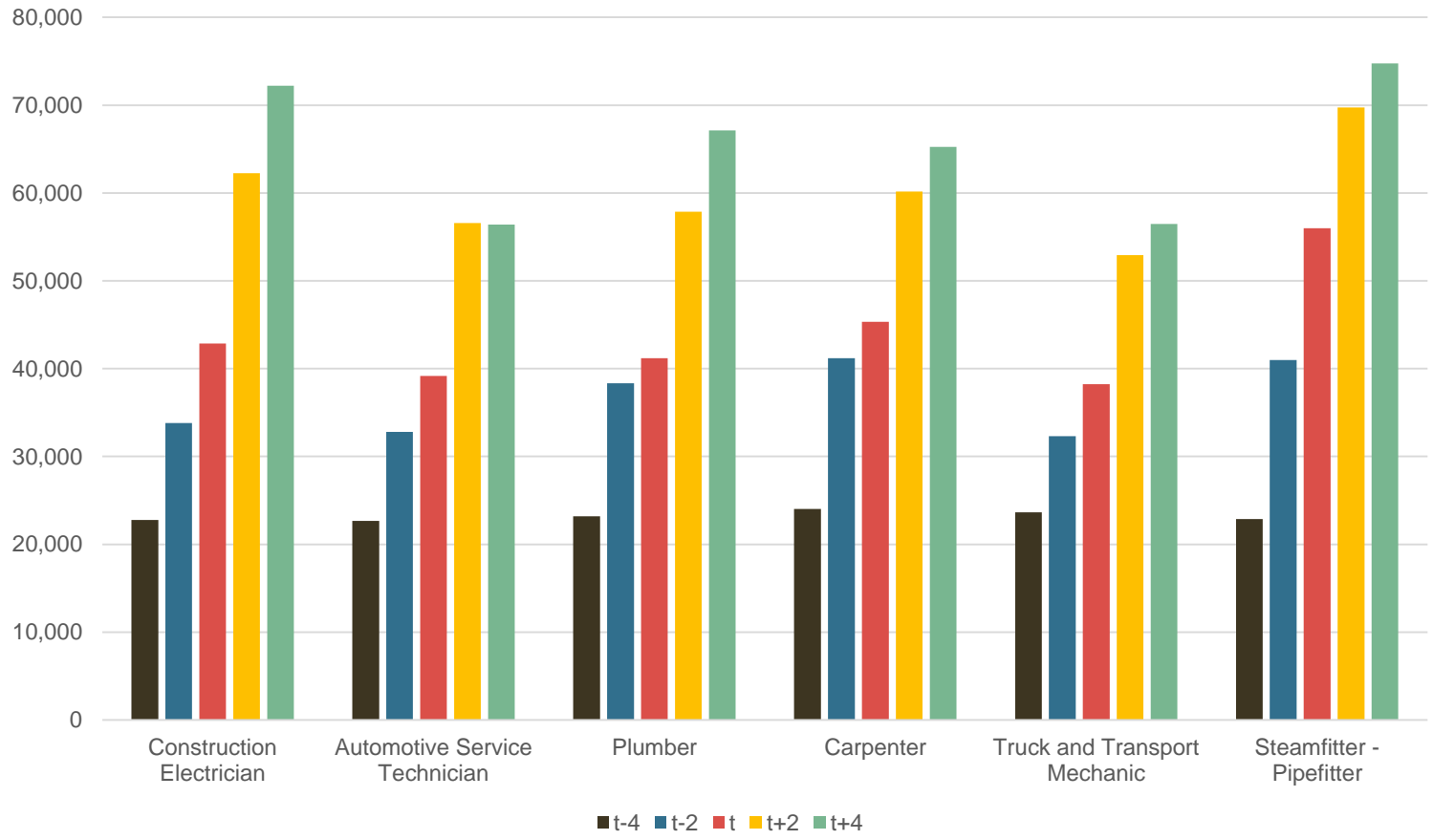
Source: Statistics Canada, ELMLP-RAIS 2008 to 2016.

Preliminary Results- Subject to Change

On average, NS apprentice makes on the year of certification between 39,100\$ for Auto Service Technicians and 55,990\$ for Steamfitter-Pipefitters



Earning indicators, 2008 registration cohorts, Nova Scotia



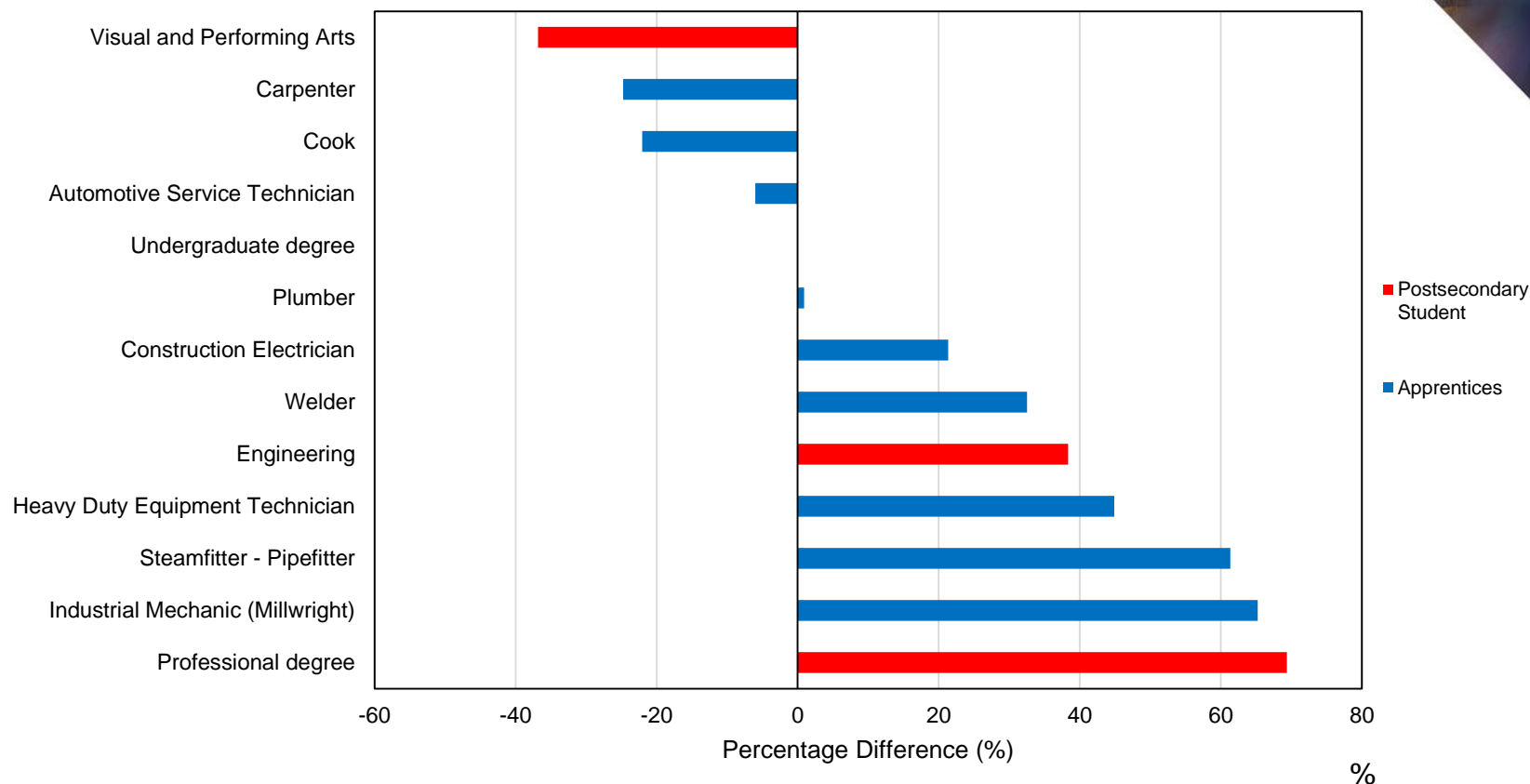
Source: Statistics Canada, ELMLP-RAIS 2008 to 2016.

Preliminary Results- Subject to Change

All trades other than carpenters, cooks and auto service technicians make in Maritimes more than a generic undergrad five years after certification



Percentage differences (%) between median employment incomes of apprentices by trades and PS students by fields of study (undergraduate degree) five years after certification or graduation, Maritimes, 2008-2010 cohorts



Source: Statistics Canada, ELMLP-RAIS/PSIS 2008 to 2016.

Preliminary Results- Subject to Change

Questions for Consideration



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- **What influence apprenticeship program success?**
 - What are the factors influencing the time taken to complete their program?
 - How are women, aboriginal people, recent immigrant and visible minority apprentices progressing through the apprenticeship system and transition into the labour market?
 - What factors are associated with apprentices not completing their programs?
 - What happens to apprentices that discontinue, are they still working in the trade? Do they transfer to other apprenticeship programs or even, transfer to postsecondary system? Do they have gainful employment elsewhere?
- **Do apprenticeship programs pay off?**
 - How do discontinuers compare to apprentices that receive a certificate in term of earnings?
 - What are the impacts of certifying during a recession?
 - Are apprentices who graduated during a recession more likely to be self-employed?
 - What is the quality of jobs new apprentices are getting (e.g. unionization and pension plan contribution)?
- **Do financial aid for apprentices help certification?**
 - How effective is apprentice's financial aid in ensuring low-income apprentices gain the skills they need for the labour market and for women to certify in male-dominated trade?
 - What are the impacts of having financial aid (Apprenticeship Loans and Grants, Employment Insurance) on receiving or not a certificate of qualification?



THANK YOU!

For more information,
please visit

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