

Returns on investment in primary industries in human capability from government and learners' perspectives

What can IDI data tell us?

Research forum on human capability in the primary industries, 6 December, 2017
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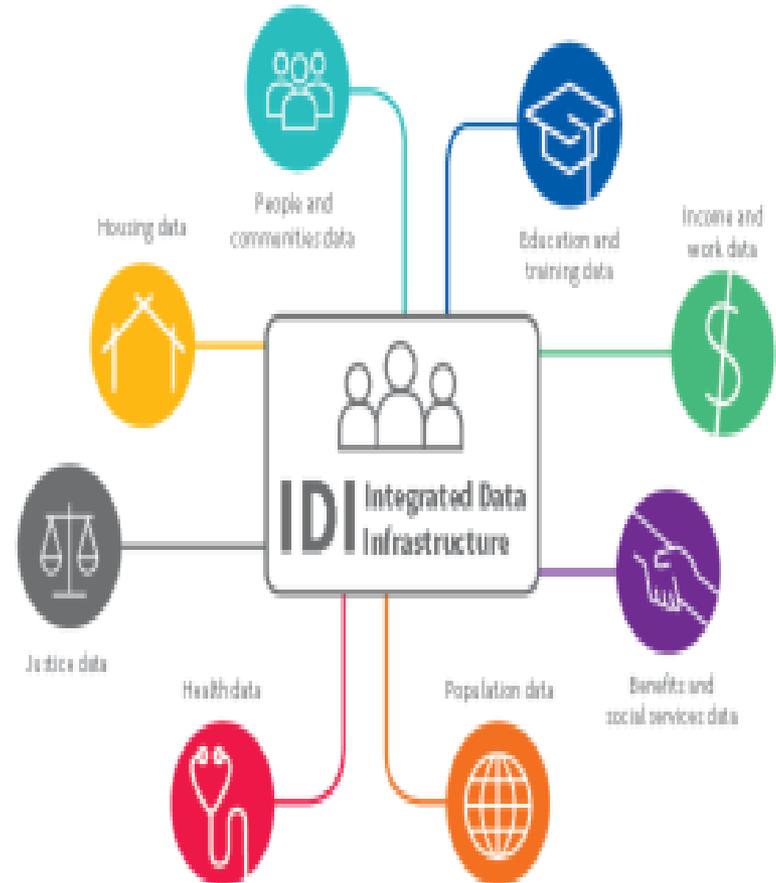
Objective



- To contribute to today's research forum discussions on human capability in the primary industries.
“Returns on investment in primary industries in human capability from government and learners’ perspectives”.
- By looking at some existing employment and earnings outcomes of education research.....
- ... and highlighting the potential of existing linked government data, the IDI, to answer this kind of question more fully.

The Integrated Data Infrastructure - IDI

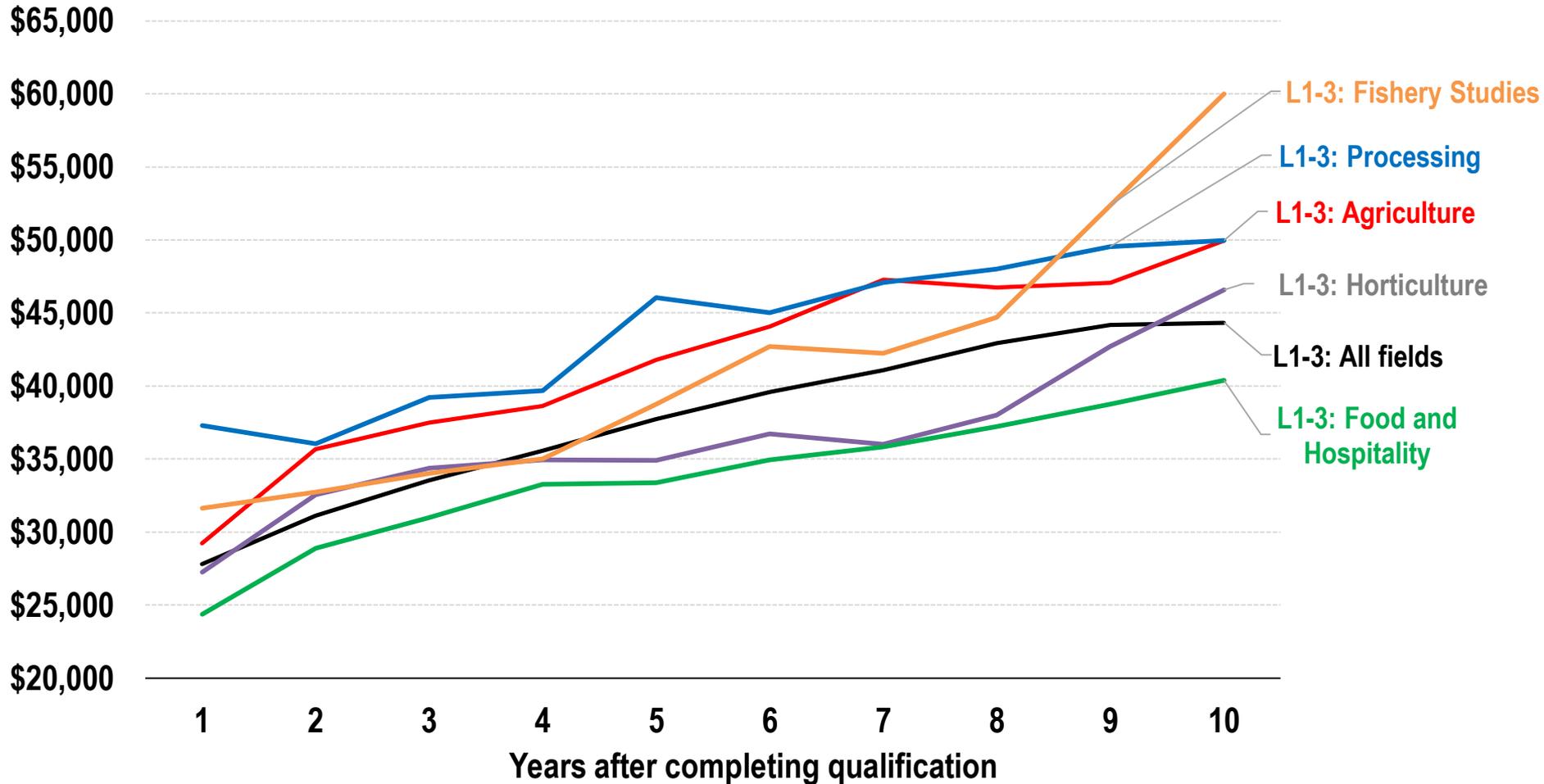
- An extremely important and rich data source.
- Education data linked to income and work data at an individual level.
- for nearly everyone in education or with taxable income!
- Over 15 years of longitudinal history.
- Plus – health, benefits and social services data, justice, housing, customs and migration, plus a range of other population and community data.
- Managed by SNZ - Under strictly controlled conditions to protect security, confidentiality and privacy.



See: www.stats.govt.nz/integrated-data

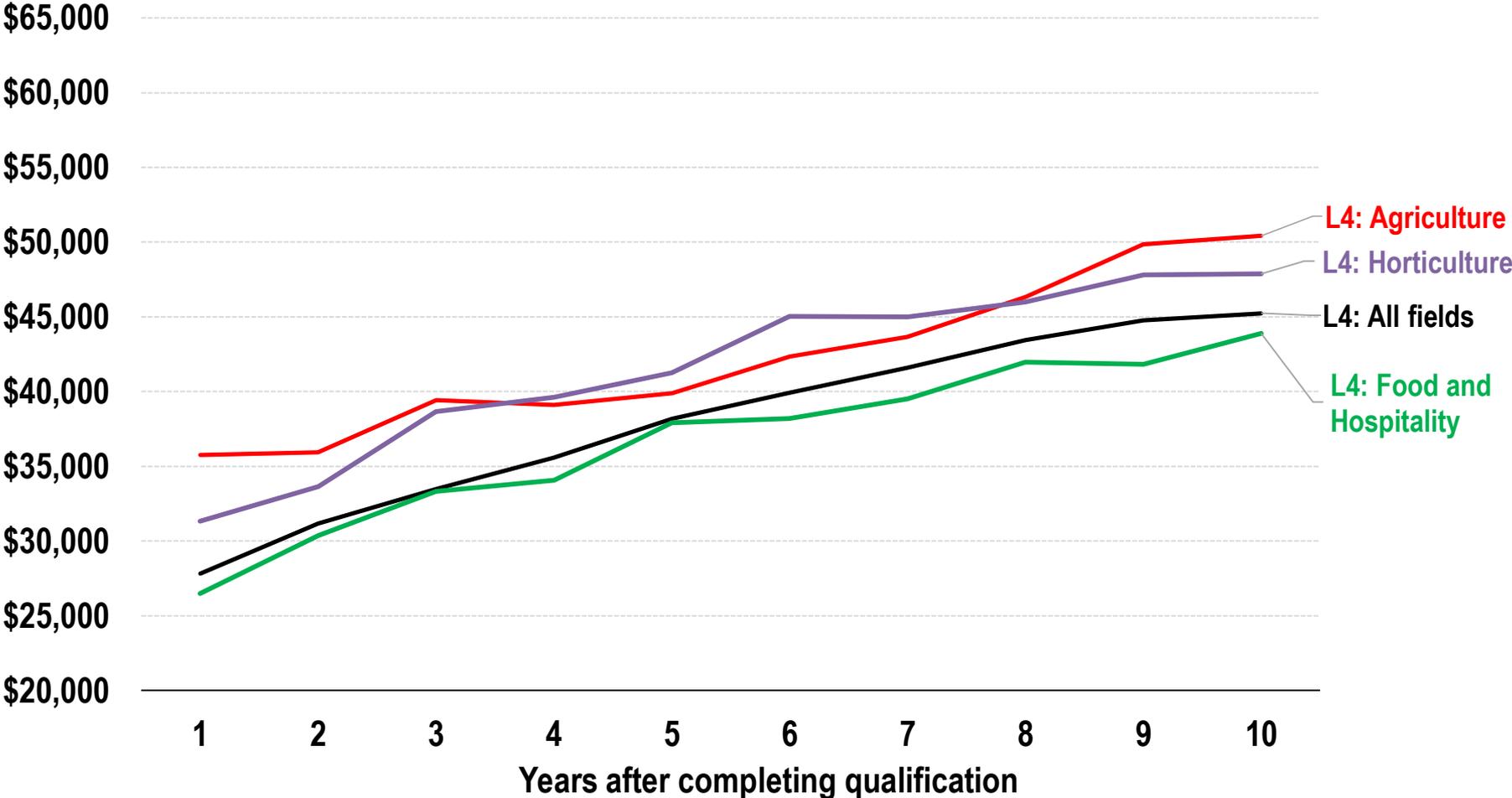


Post-study earnings: Level 1-3 Certificates



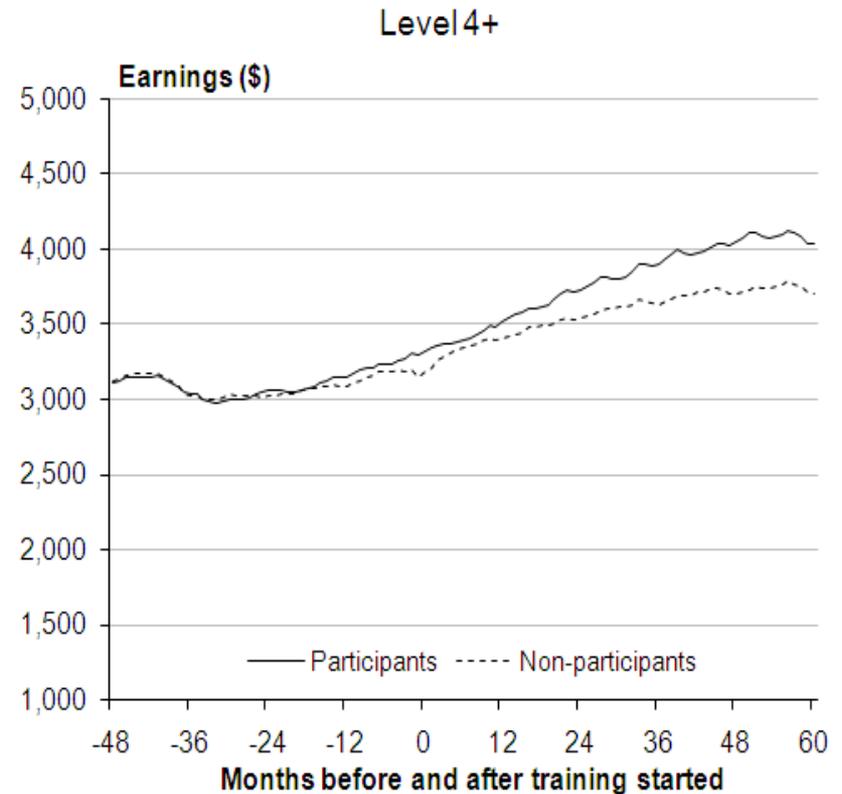
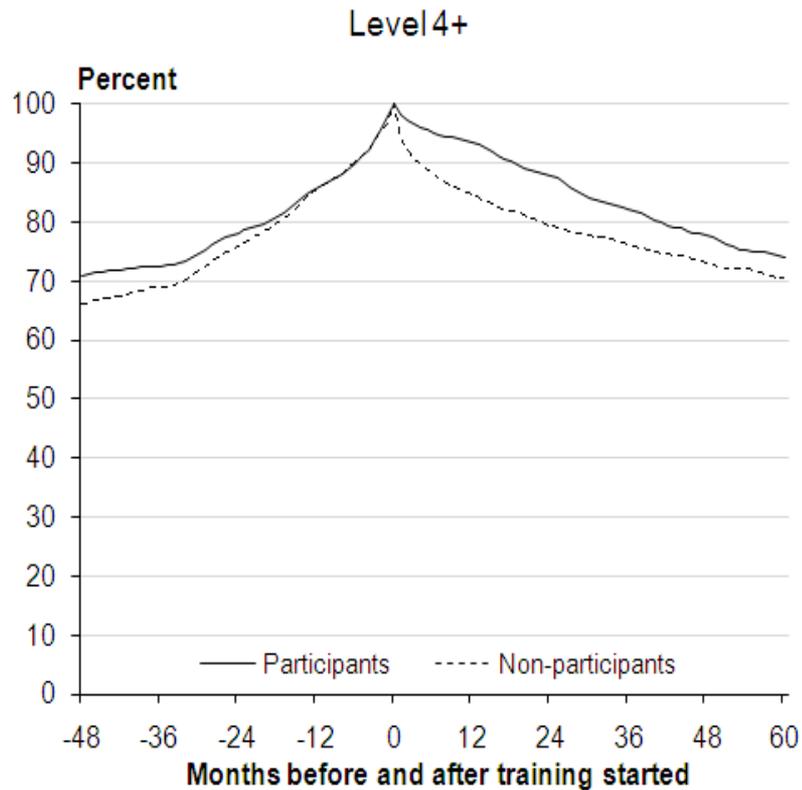


Post-study earnings: Level 4 Certificates



Source: Adapted from Ministry of Education (2017). *The post-study earnings and destinations of young domestic graduates*. www.educationcounts.govt.nz. Relates to provider-based graduates only.

Employment and earnings benefits from Industry Training



Employment and earnings outcomes by ITO

- Industry training data by field of study not able to be done previously due to legal confidentiality issues. Data could potentially identify information about a single organisation (in this case an ITO).
- We now have ITOs' permission to publish on an ongoing basis.
- Currently in a consultation and development phase.
- Planning initially to look at with an 'information for learners' lens, covering apprenticeships and traineeships, by level, and (hopefully detailed) field of study.
- Both in-training earnings as well as post-training earnings and destinations.
- Making comparisons with non-participants working in similar industries, so that learners can make decisions about the right pathway for them.
- Publication is due by end of 2018.

Other potential questions IDI could help with

- What is the industry return on its investment in industry training?
- And what is the public return?
- How much does investment in industry training contribute to productivity/ economic gains
 - at an industry level? at a national level?
- What are the relative impacts on retention and turnover?
- What is the relative value-add of industry training – taking account of differences in ability and prior school achievement?
- How much of this investment is lost (e.g. to the industry, or to overseas)?
- What kind of industry training programmes tend to add the most value – e.g. say in terms of balance between on-job and off-job?

Thank you

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Statistics NZ Disclaimer on IDI

Access to the anonymised data used in this study was provided by Statistics New Zealand in accordance with security and confidentiality provisions of the Statistics Act 1975, and secrecy provisions of the Tax Administration Act 1994. The findings are not Official Statistics. The results in this presentation are the work of the respective referenced authors, not Statistics NZ or Inland Revenue, and have been confidentialised to protect individuals, businesses, and other organisations from identification. See original publication reference for the full disclaimer.