

NEW ZEALAND POLICY RESEARCH INSTITUTE TE KÄHUI RANGAHAU MANA TAURITE



Pay gaps and the NZ labour market

Professor Gail Pacheco

Outline

- Gender pay gap research
- Parenthood
- Ethnic pay gaps
- Industry portrait
- > Next steps

Stats NZ Disclaimer

Access to the data used in this study was provided by Stats NZ under conditions designed to give effect to the security and confidentiality provisions of the Statistics Act 1975.

The results presented are the work of the author(s), not of Statistics NZ

Gender pay gap research

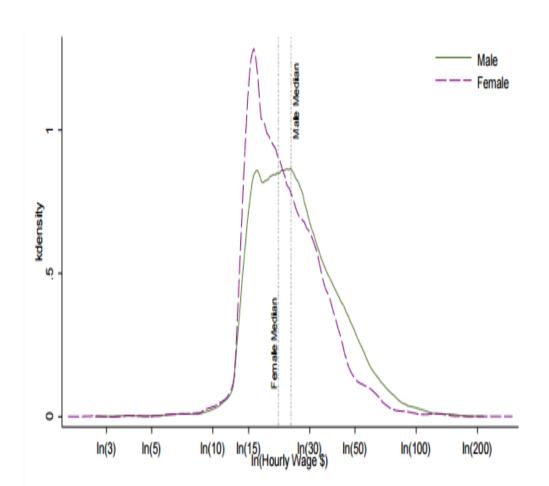
Objectives:

- Estimate size of the gender pay gap, controlling for all observables
- Apportion the gap into 'explained' and 'unexplained'
- Correct for sample selection bias
- What about propensity score matching
- Check how the gap fares across the wage distribution

Data

Income survey

- Representative sample
- Working age (16-64)
- Dropped tails
- Exclude self-employed





Oaxaca decomposition:

Separates wage differences into two components:

- Explained component male / female differences in average characteristics
- 2. Unexplained component male / female differences in returns to characteristics

17% Explained; 83% Unexplained

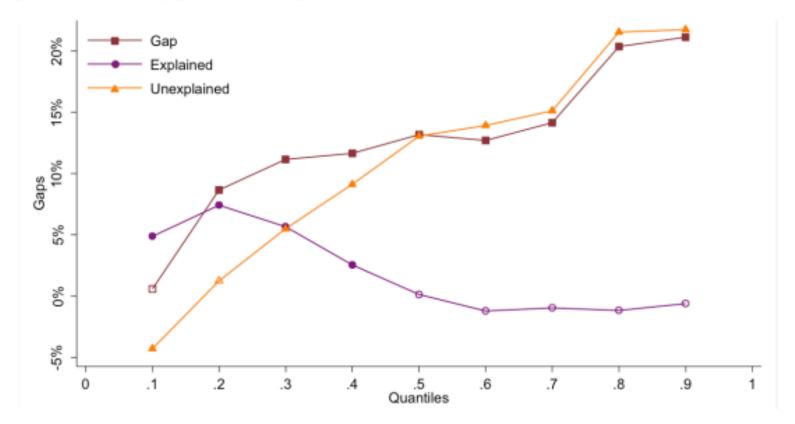
Unexplained

- Unobserved differences in characteristics, e.g. subject of degree
- Different preferences regarding non-pecuniary aspects of the job
- Discrimination
- Unconscious bias



Quantile regression

Figure 3: Gender pay gaps across wage distribution



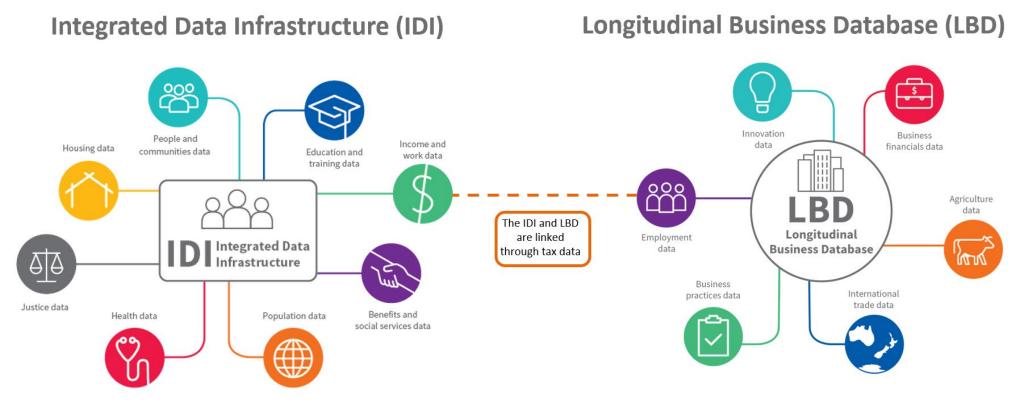
Note: Hollow markers indicate insignificant gaps at 10% significance level. Source: 2015 IS. Author's compilation.

• Strong evidence pointing to a glass ceiling effect in NZ

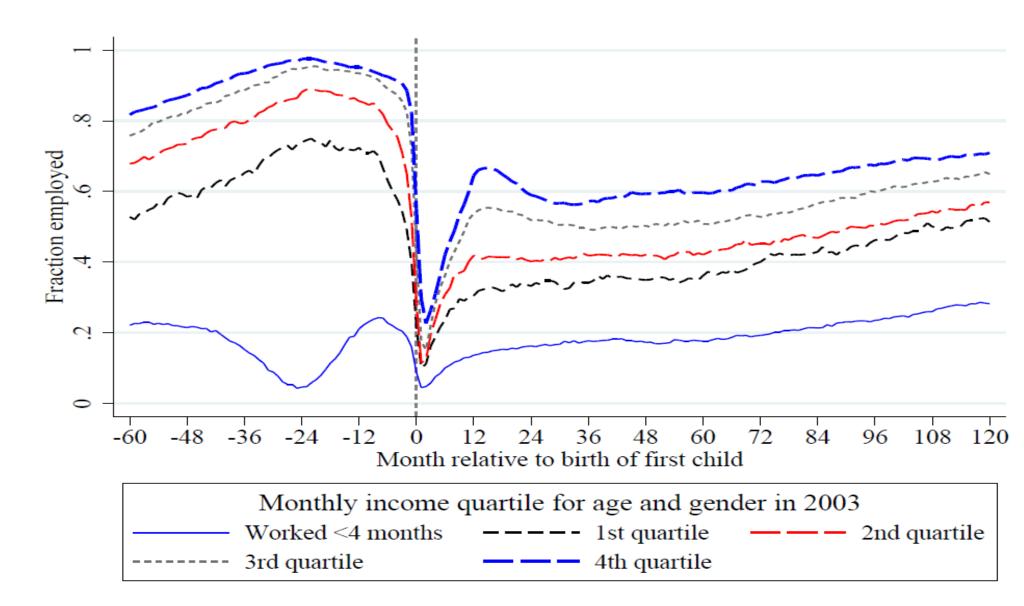
Parenthood and labour market outcomes

- How do first-time mothers and fathers' employment patterns change after they have children?
- How have their hours worked, monthly earnings, and hourly earnings changed when they return to work postparenthood?
- > How do these changes differ by pre-parenthood income?
- > How do these changes differ by time out of employment?

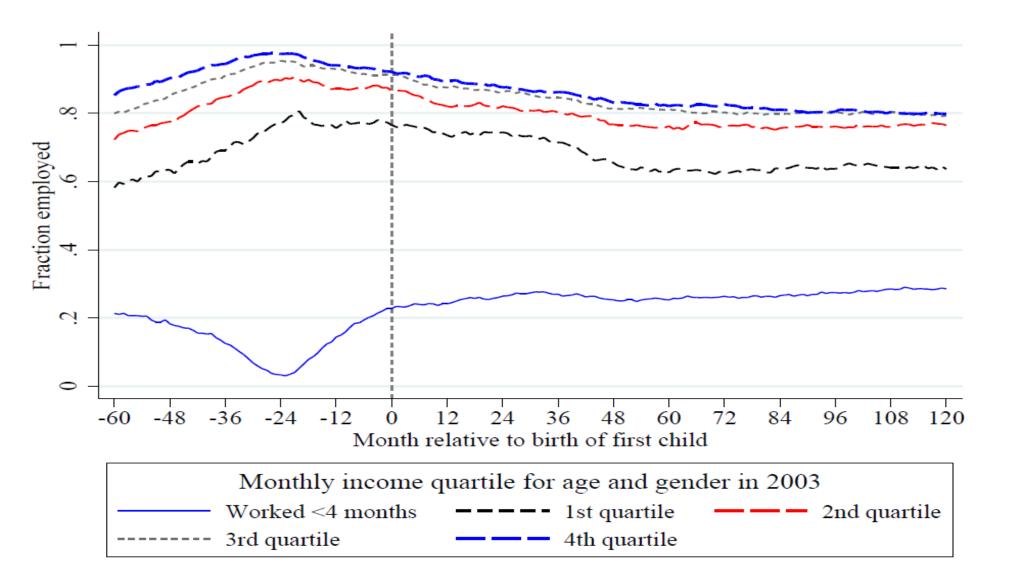
Parenthood and labour market outcomes



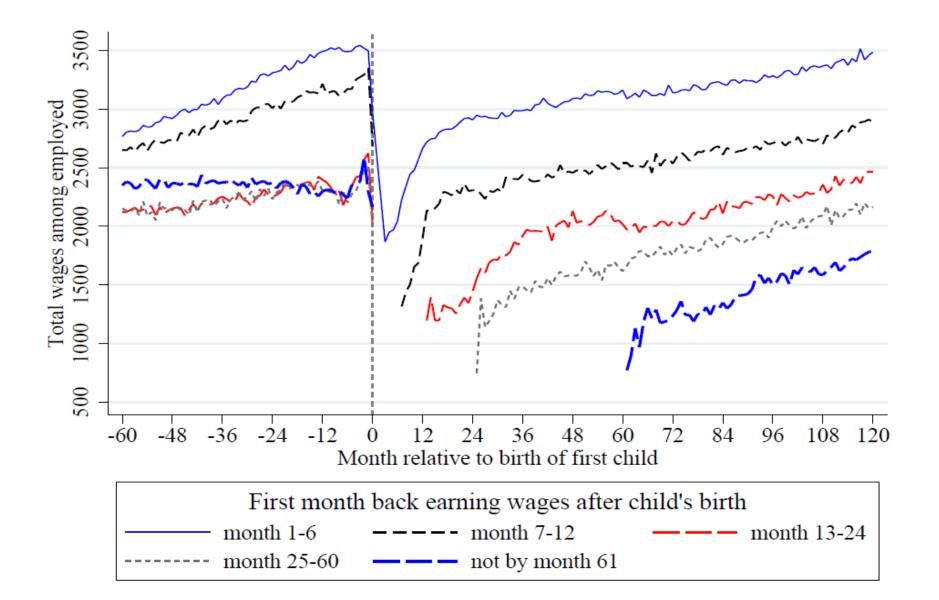
Mother's employment rates



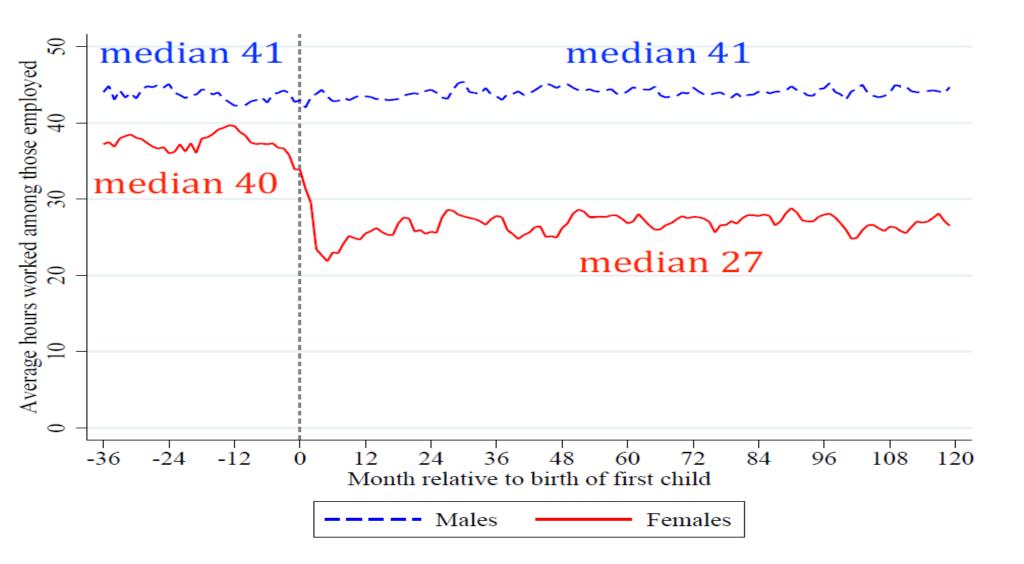
Father's employment rates



Mother's earnings by time out of work



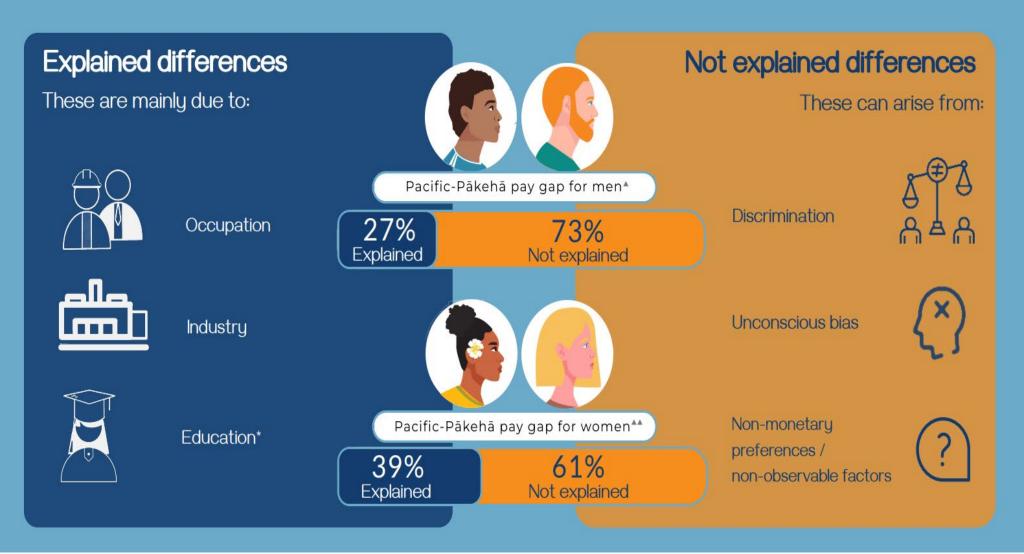
Hours worked if employed



Ethnic pay gaps

- The Human Rights Commission conducted a Pacific pay gap inquiry recently
- The Pacific pay gap (with Europeans) was 24% and 15% in 2020 for males and females respectively
- Our analysis and associated media available at <u>https://nzpri.aut.ac.nz/research/the-pacific-pay-gap-inquiry</u>

Why do Pacific people earn less?



Industry level portrait

• Estimated gender, ethnic and intersectional pay gaps by industry over 2016-2022

- Explored structural and contextual drivers
- Decomposition of pay gaps into explained & unexplained

See <u>report</u> and <u>dashboard</u>

Next

- Endeavour grant (\$6m 2024-2029) "Boosting productivity growth by creating equal workplace opportunities for all"
 - -Allocation of labour is highly segregated
 - -Gender and ethnic pay gaps represent \$18bn per year
 - -Need strong evidence base on workplace and public policies
 - -Including impact of pay equity settlements
- Asian pay gaps role of migrant status?