

Dynamic of Labor Market Concentration of Immigrants

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Introduction

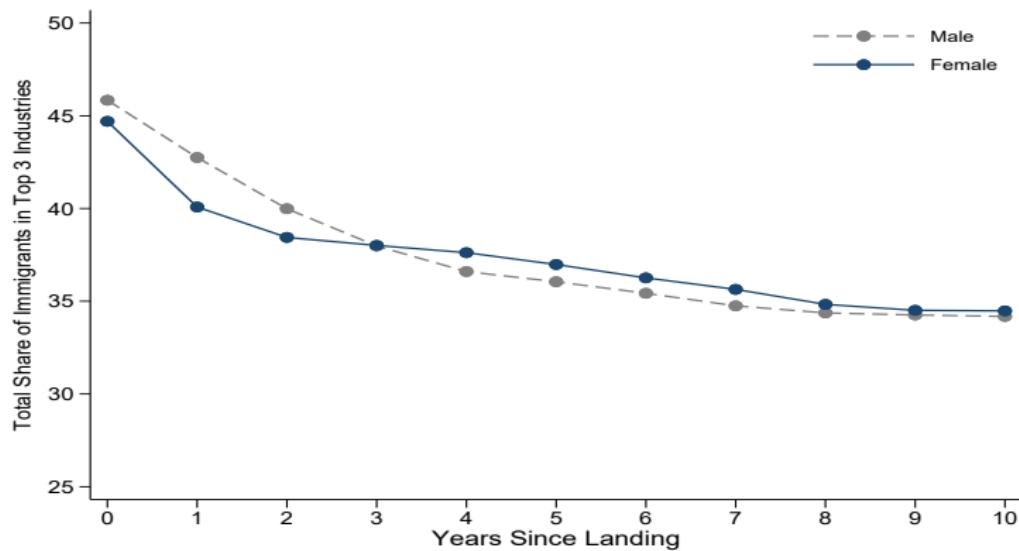
Context

- Labor Market Concentration affects wages, employment dynamics, and firm market power
- Workers in highly concentrated markets face lower wages and fewer job options
- Little is known about how labor market concentration evolves for immigrants over time.

Introduction

Context

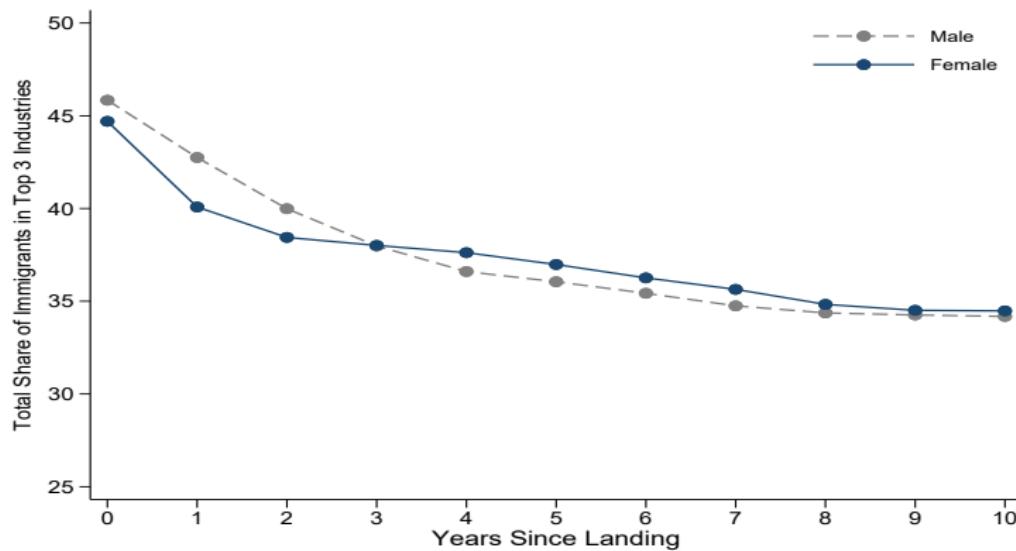
- *Share of Immigrants in Top 3 Industries by Year Since Landing*



Introduction

Context

- *Share of Immigrants in Top 3 Industries by Year Since Landing*



- How does the labor market concentration of immigrants evolve over time?

Immigration Policy & Data

Immigration Policy in Canada

- Immigration policy in Canada is governed by both federal and provincial authorities.
- Three main immigrant categories:
 - **Economic immigrants:** 35% (1980) → 61% (2021)
 - **Refugees:** 35% (1980) → 16% (2021)
 - **Sponsored by Family:** 30% (1980) → 23% (2021)

▶ Share of admitted by Category

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Data

- Canadian Employer-Employee Dynamics Database
- Longitudinal Immigration Database (IMDB)

Immigration Policy & Data

Sample restrictions

- **Year of landing:** First Job with CAD 10,000 after arriving in Canada
- **Applicant Type:** Principal applicant (Refugee and Economic categories).

► Male Sample-Distribution across Industries

► Mobility by Category of Admission

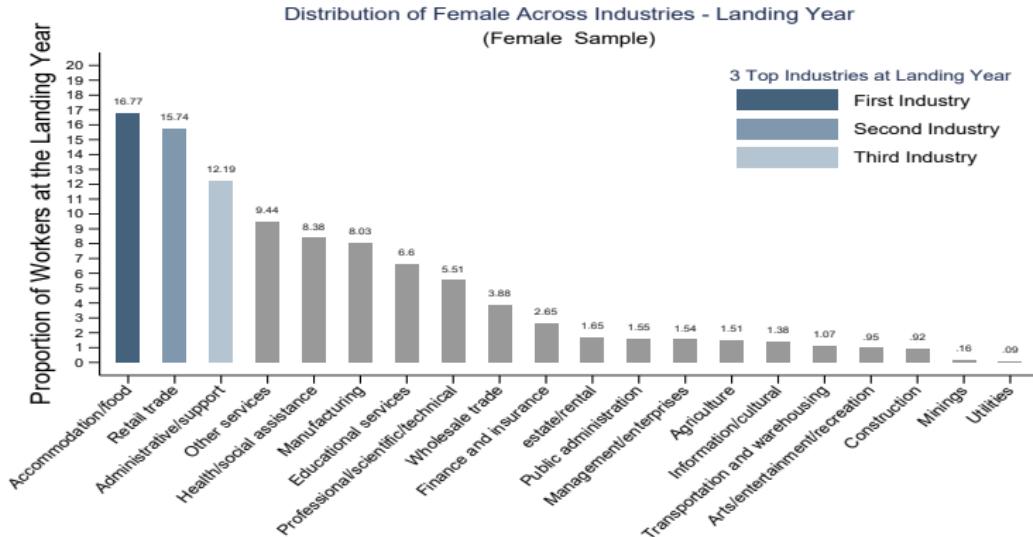
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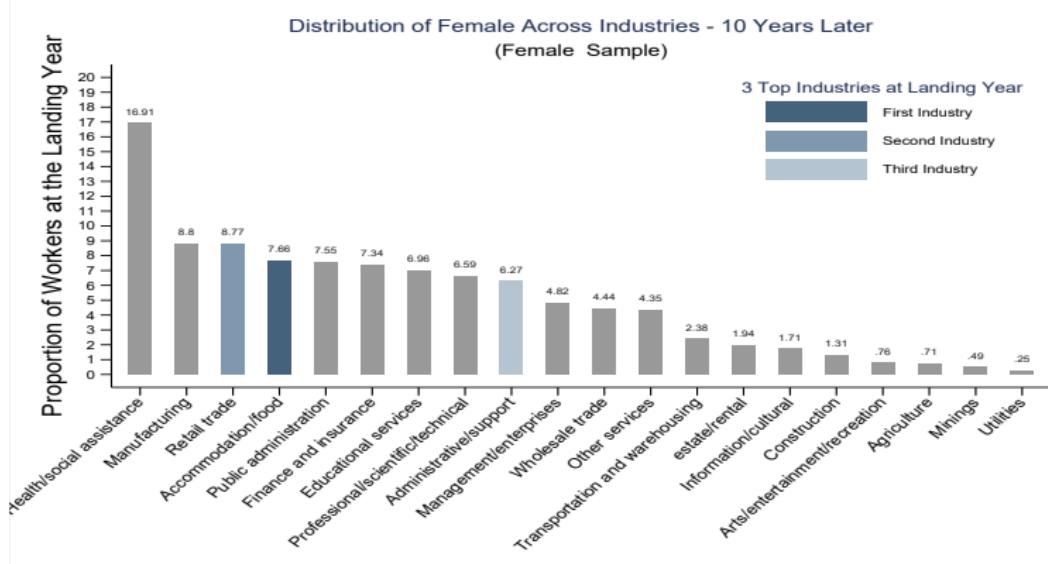
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Labor Market Concentration

Measuring Labor Market Concentration

- Markets: are defined as combinations of province and 2-digit NAICS industry

Market #	Province	2-digit NAICS	Market Description
1	Quebec	31	QC - Food manufacturing
3	Quebec	41	QC - Wholesale trade

Labor Market Concentration

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<hr/>			
1	Quebec	31	QC - Food manufacturing
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Labor Market Concentration

Measuring Labor Market Concentration

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Labor Market Concentration

Measuring Labor Market Concentration

- **Markets:** are defined as combinations of province and 2-digit NAICS industry
- **Labor market concentration** (Herfindahl-Hirschman Index -HHI)

$$HHI_{mt}^g = \sum_{j=1}^{N_{mt}} (s_{j,mt}^g)^2 \quad (1)$$

- HHI_{mt}^g measures employer concentration in market m at time t in population $g \in \{\text{Immigrants, Natives}\}$.
- $s_{j,mt}$: employment share of firm j in labor market m at time t .

► Distribution of HHI of markets

Labor Market Concentration

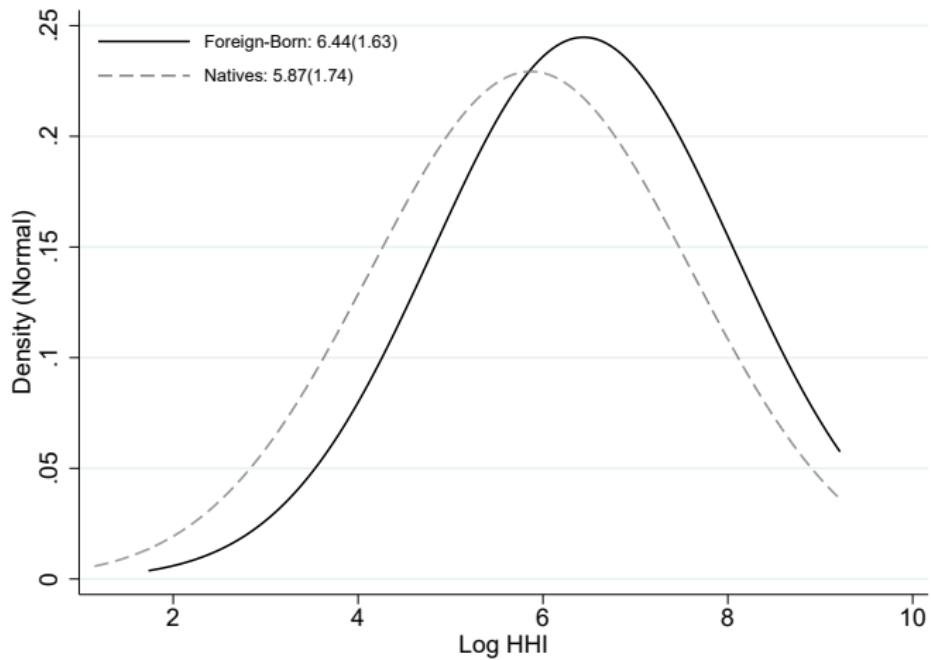


Figure 1: Distribution of Labor Market Concentration: Foreign-Born vs. Natives

Event Study – Labor Market Concentration

- We estimate the following event-study specification:

$$HHI_{imt} = \alpha + \sum_{\tau=0}^k \beta_{\tau} D_{\tau,imt} + X_{imt} \gamma + \delta_p + \delta_s + \epsilon_{imt} \quad (2)$$

- HHI_{imt} : Labor market concentration (Herfindahl-Hirschman Index) for individual i in market m at time t

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- β_{τ} : Change in Market concentration of foreign-born for migrants i in his/her market
- X_{imt} : Control variables (age, education, region of origin, etc.)
- δ_p : Province fixed effects
- δ_s : Industry fixed effects

Event Study – Labor Market Concentration

All Admission Categories

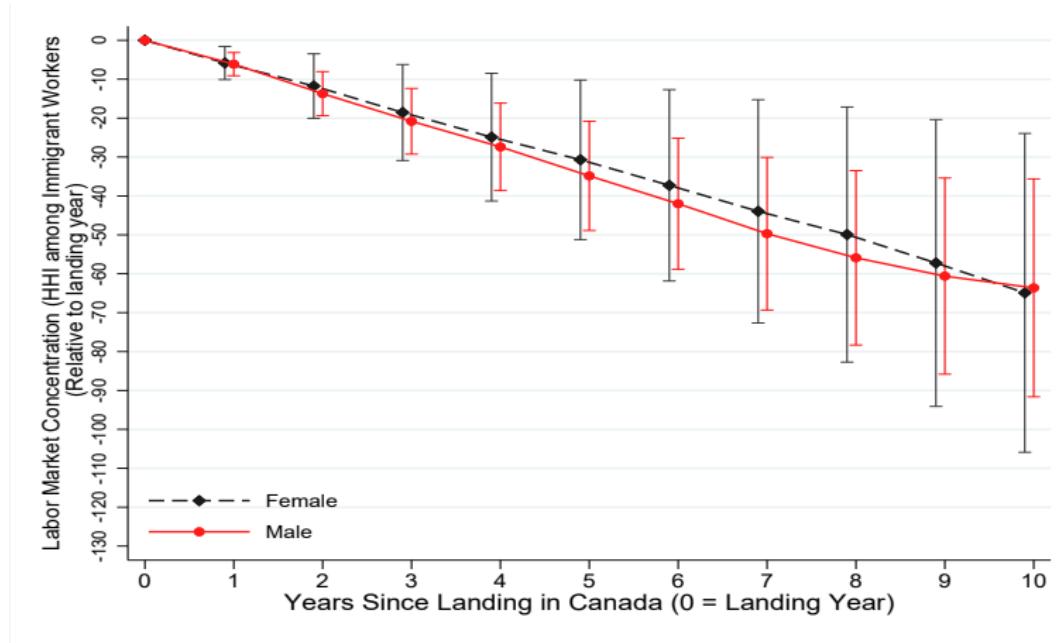


Figure 2: Event Study of Labor Market Concentration by Years Since Landing

Event Study – Labor Market Concentration

Female

► Without person fe

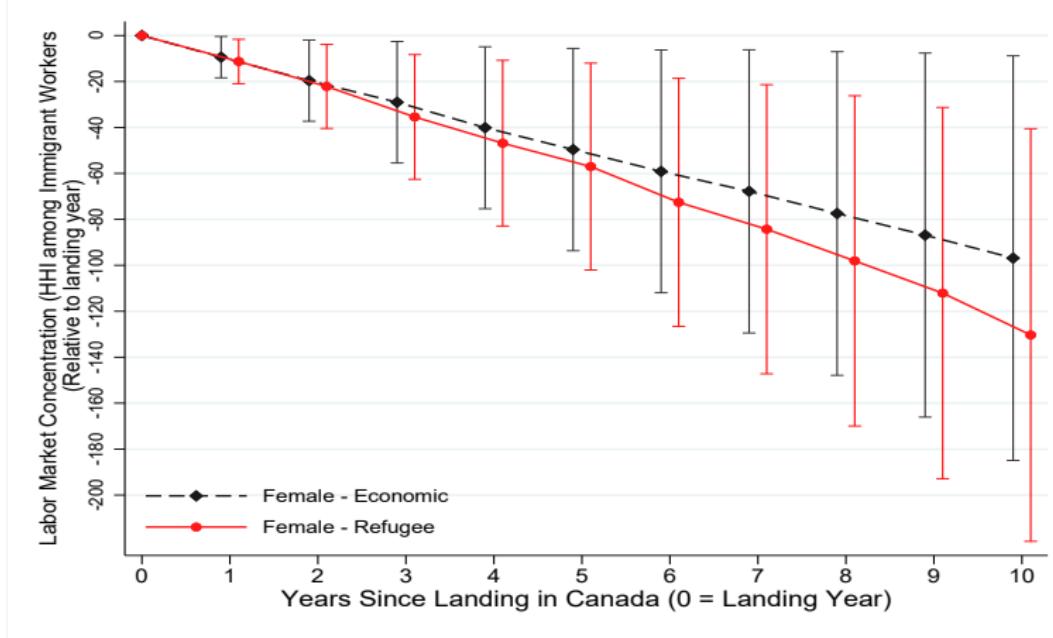


Figure 3: Event Study of Labor Market Concentration by Years Since Landing

Event Study – Labor Market Concentration

Male

Without person fe

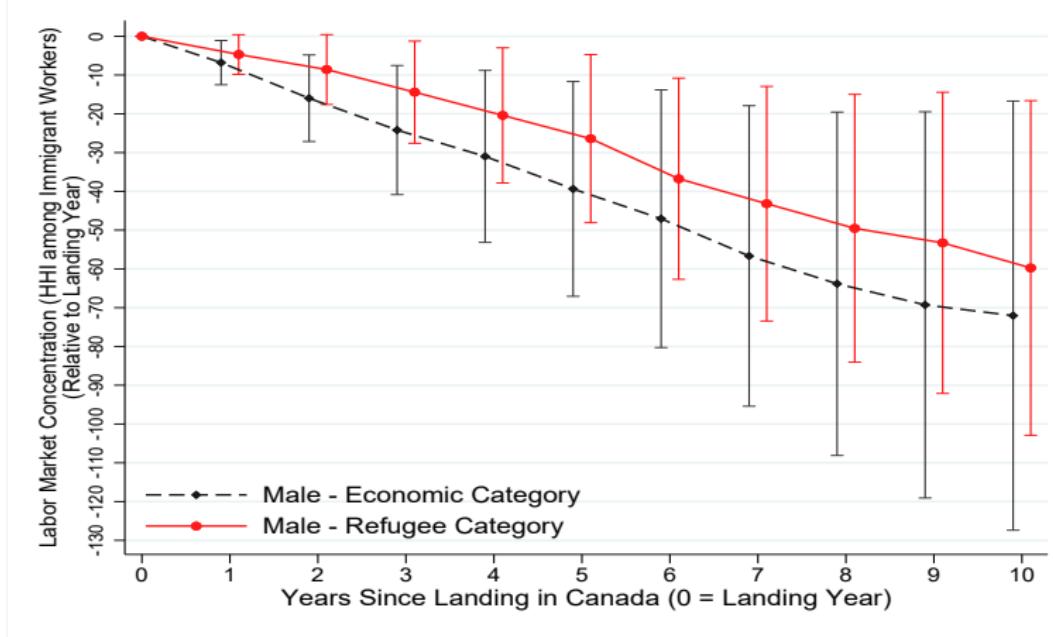


Figure 4: Event Study of Labor Market Concentration by Years Since Landing

Conclusion

- Labor market concentration declines steadily over the first 10 years after landing, indicating gradual integration.
- This trend is consistent across gender, admission category, and region of origin.

Thank You!

Data –

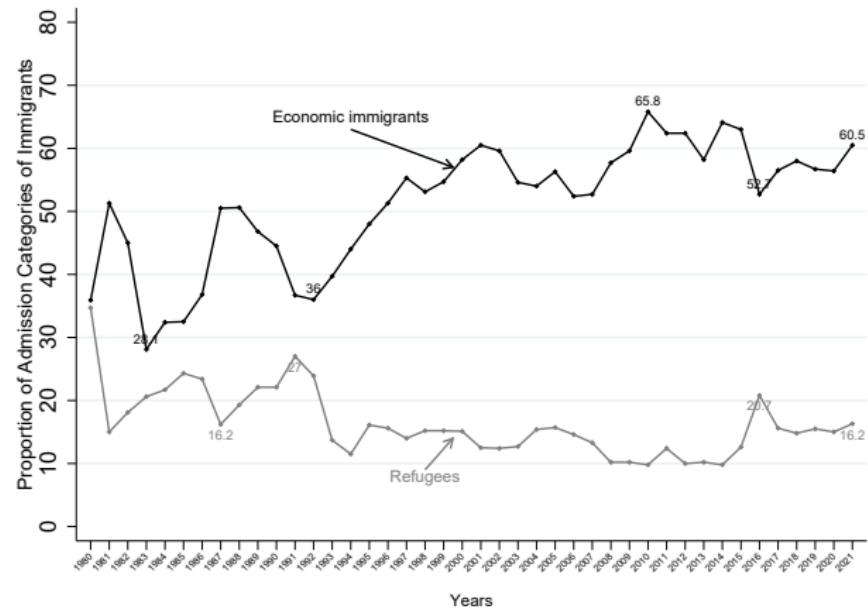


Figure 5: Share of admitted Category from 1980 to 2021

Data –

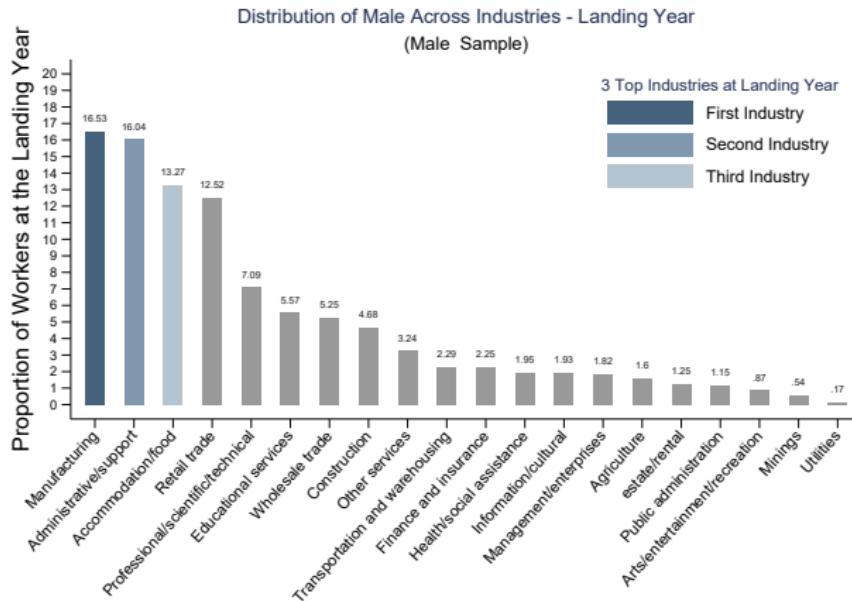


Figure 6: Distribution of Immigrants Across Industries at Landing Year

Data –

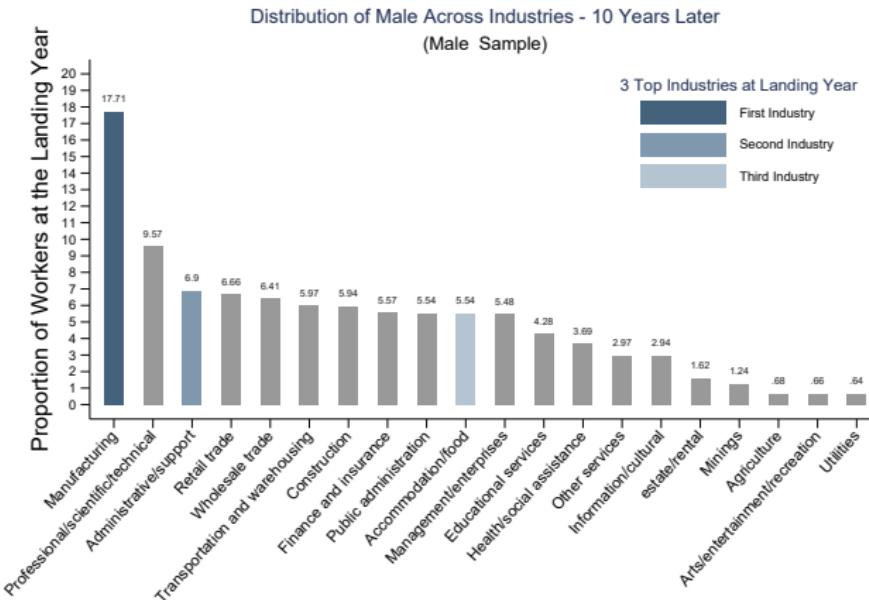


Figure 6: Distribution of Immigrants Across Industries at Landing Year

Mobility –

▶ Back

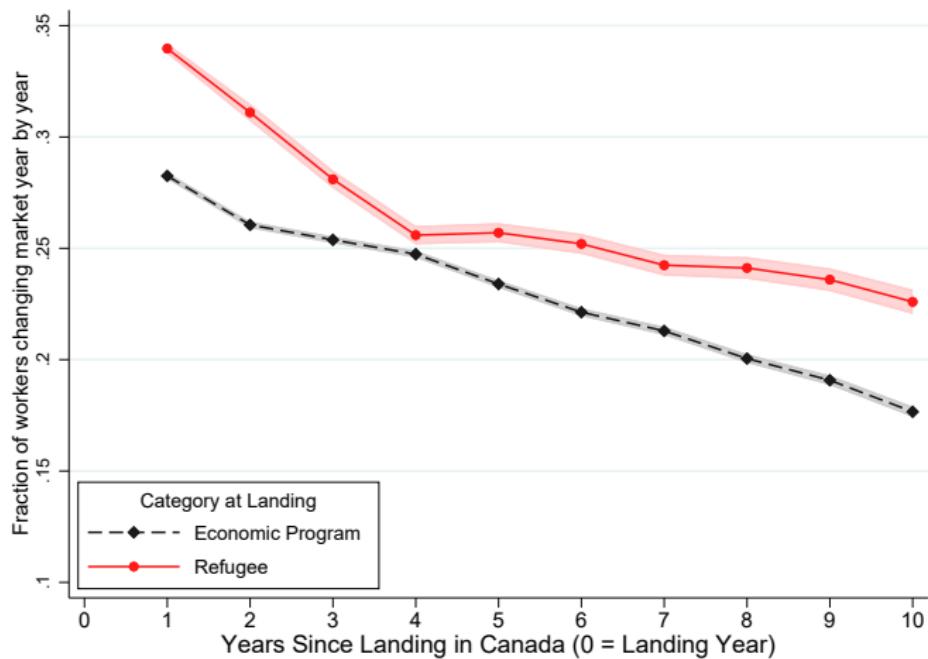


Figure 7: Share of Immigrants Changing Market year by year

Labor Concentration –

Back

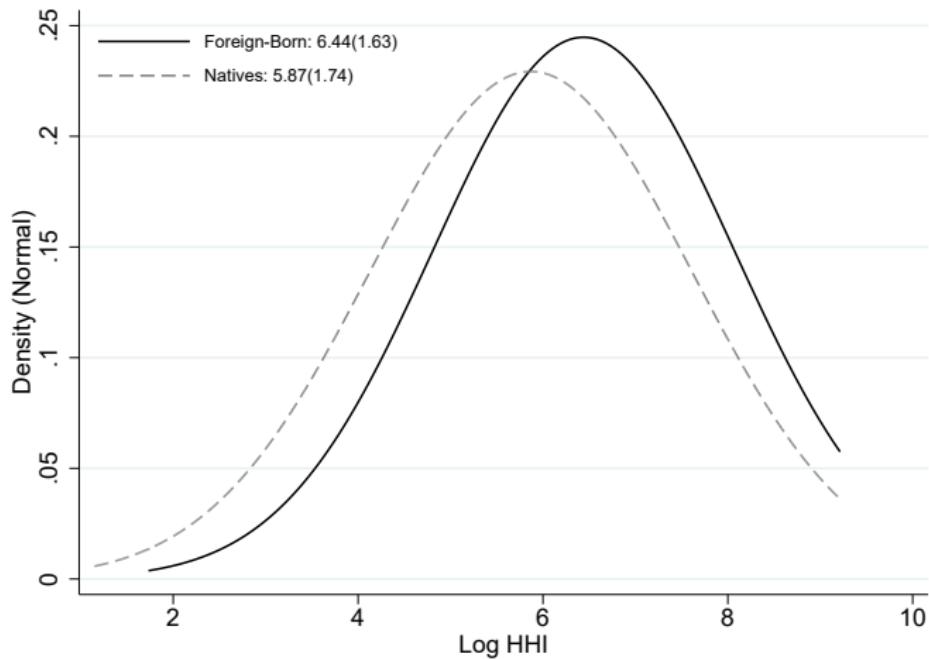


Figure 8: Distribution of Labor Market Concentration: Foreign-Born vs. Natives

Event Study – Labor Market Concentration –

[Back](#)

- How does the concentration of foreign-Born in the market of for immigrants over time since landing?

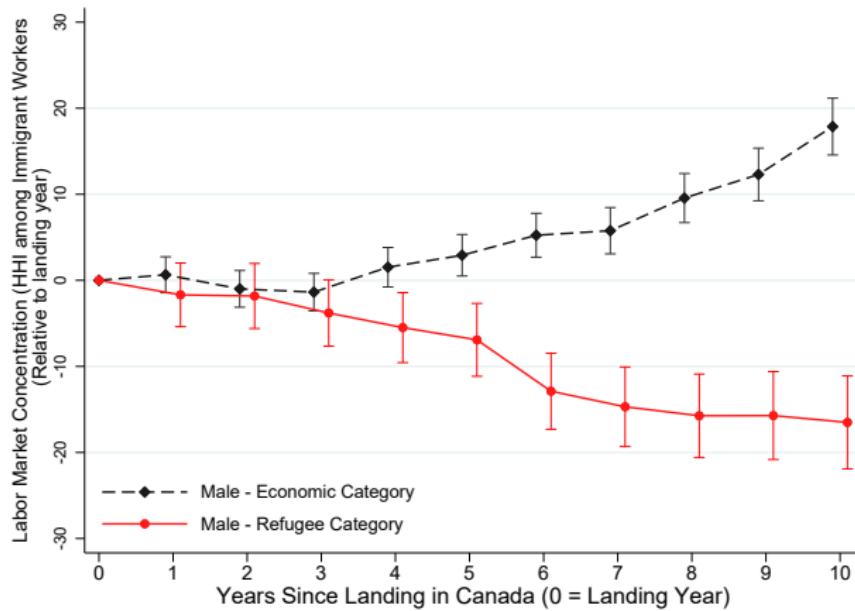


Figure 9: Event Study of Labor Market Concentration by Years Since Landing

Event Study – Labor Market Concentration –

[Back](#)

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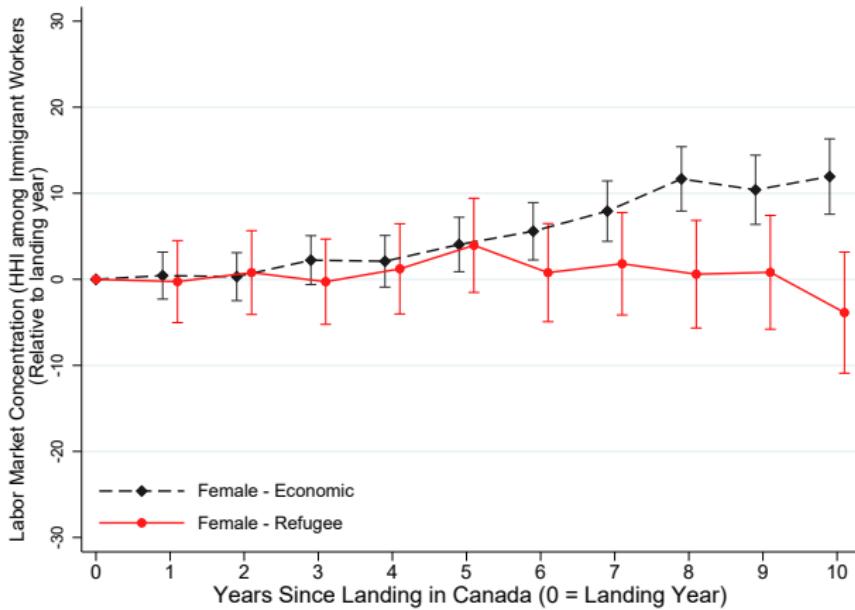


Figure 10: Event Study of Labor Market Concentration by Years Since Landing