# Thinking critically about "shortages"

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LMC LABOUR MARKET INFORMATION COUNCIL

CIMT CONSEIL DE L'INFORMATION SUR LE MARCHÉ DU TRAVAIL

## Outline

- 1. Measuring the undefined
- 2. Tight and tightening labour markets
- 3. Shortages in context: headwinds & benefits
- 4. Diagnosing the problem: labour or skills shortages
- 5. Outlook from here



## No clear measure of a "shortage" usually just means labour market tightness

### **Competing definitions of labour shortages**

#### Blank-Stigler model

- Number of qualified workers willing & able to work is less than the number of workers employers want to hire at the prevailing wage rate.
  - $_{\odot}$  Rising wages are both indicators and solutions to labour shortages

#### Arrow-Capron model

Wages are slow to adjust (employers need to determine profitability, seek approval, etc.).
Shortage is defined as unfilled opening for which salaries are the same as those currently being paid in others of the same type and quality.

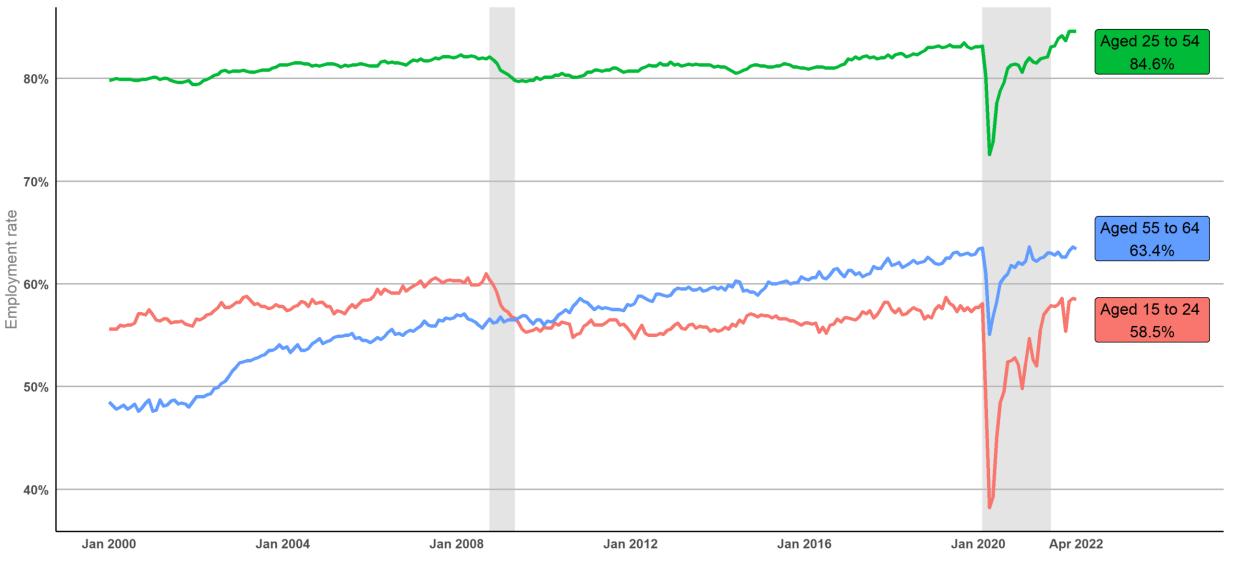
#### Social Demand model

• Shortages are situations in which the number of workers in an occupation is less than that which is deemed socially desired (i.e., not the consequence of market disequilibria)



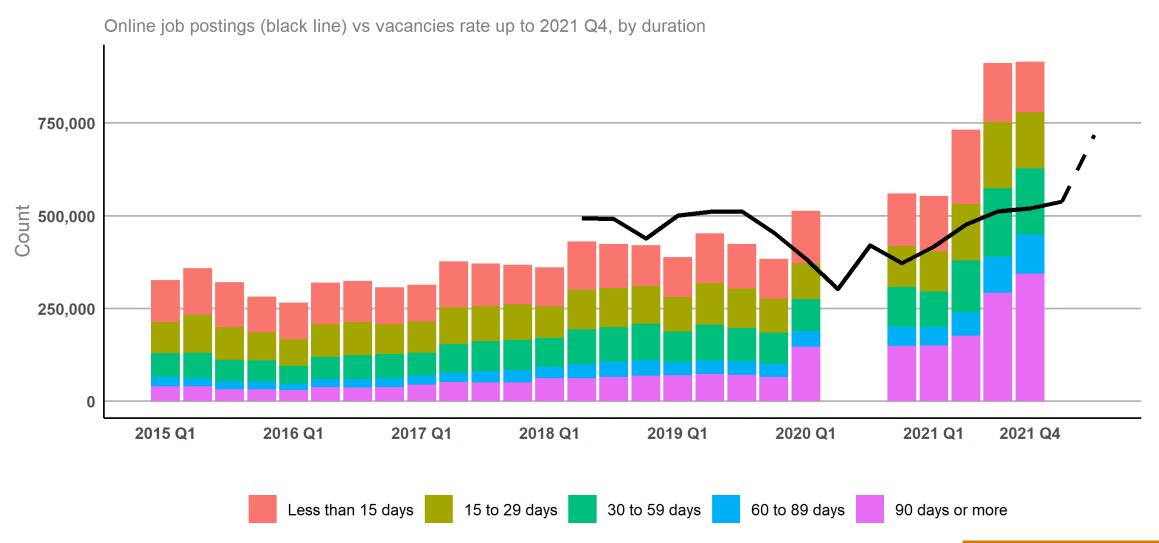
## Labour markets tight across major age groups

Employment rate up to Apr 2022, by age group





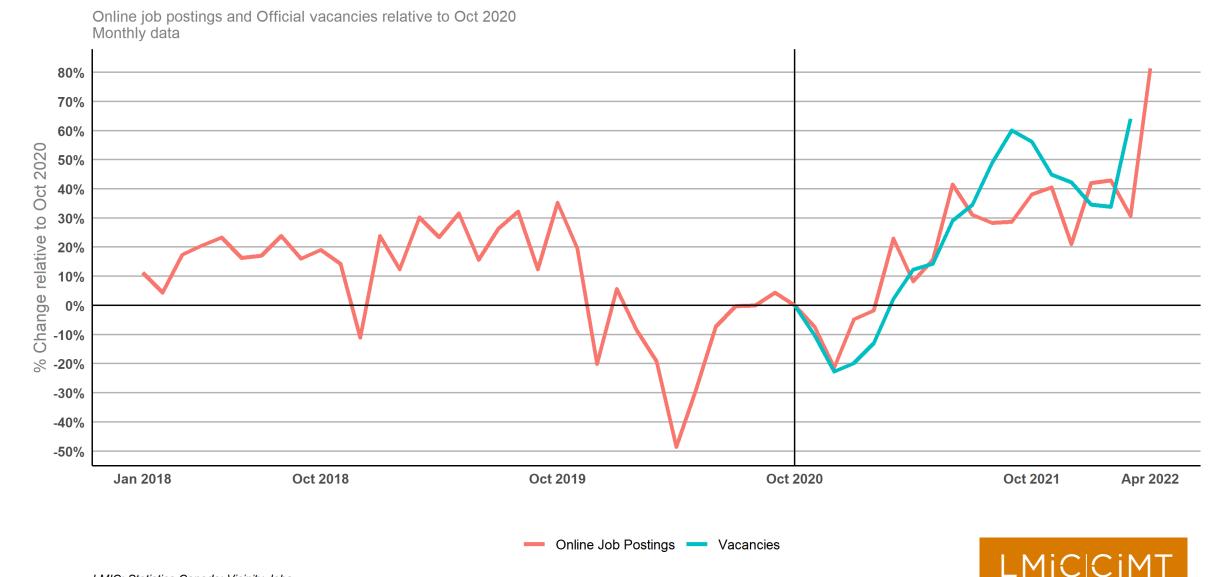
## Labour demand continues to rise quickly



LMIC; Statistics Canada Dashed line indicates April 2022 trend carried forward to end of Q2

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# Near-term outlook shows continued labour market pressures. How worried should we be?



## Why are shortages bad. And when might they be good

## Potential headwinds from labour market tightness

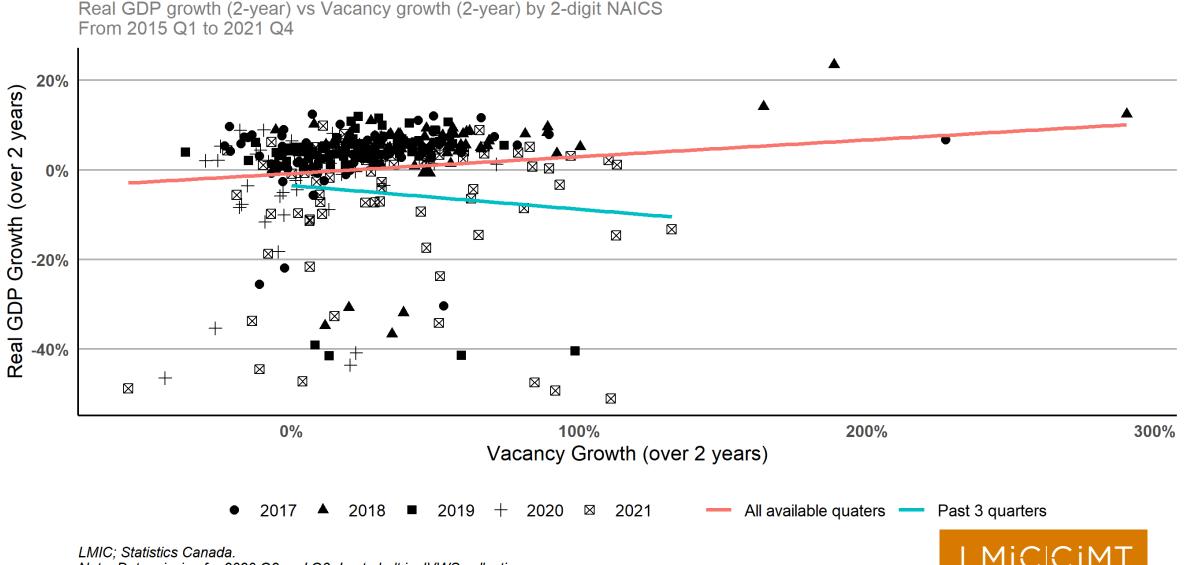
- Recruitment takes longer, diverting resources from other activities
- Slowed and/or reduced output
- Contributes to cost-push inflation cycles

# Potential benefits from labour market tightness

- Increased productivity (long-term)
- Shorter periods of unemployment
- Reduced income inequality

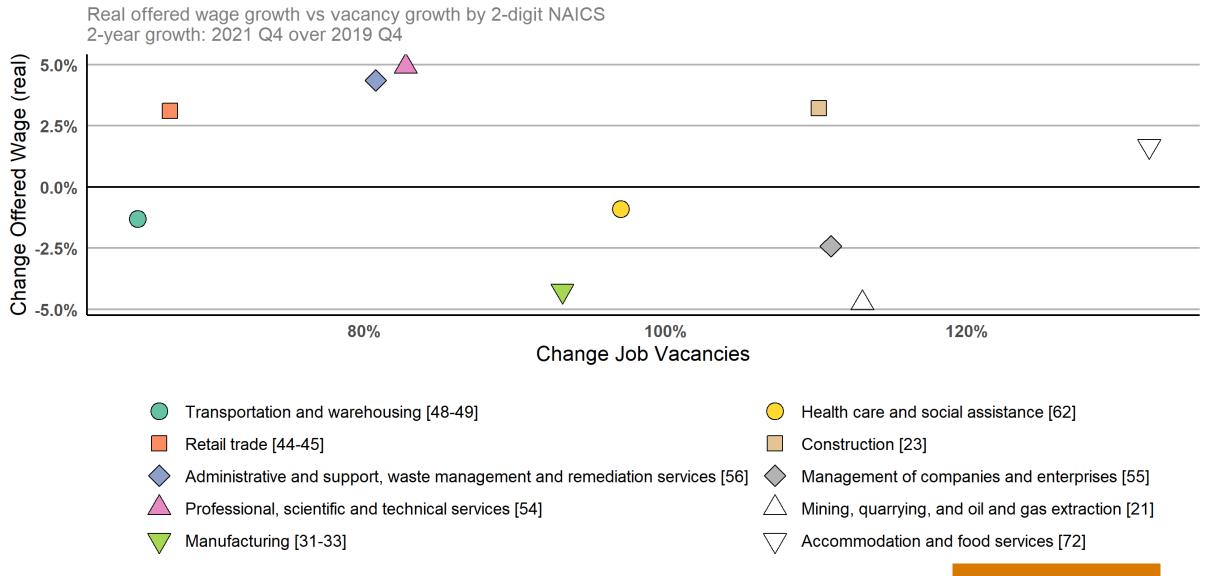
The key long-term question is the how the additional costs of recruitment and retention balance against the potential for new, innovative business and operational practices

# Recent job posting surges appear to be associated with sectors still recovering from COVID-19



Note: Data missing for 2020 Q2 and Q3 due to halt in JVWS collection.

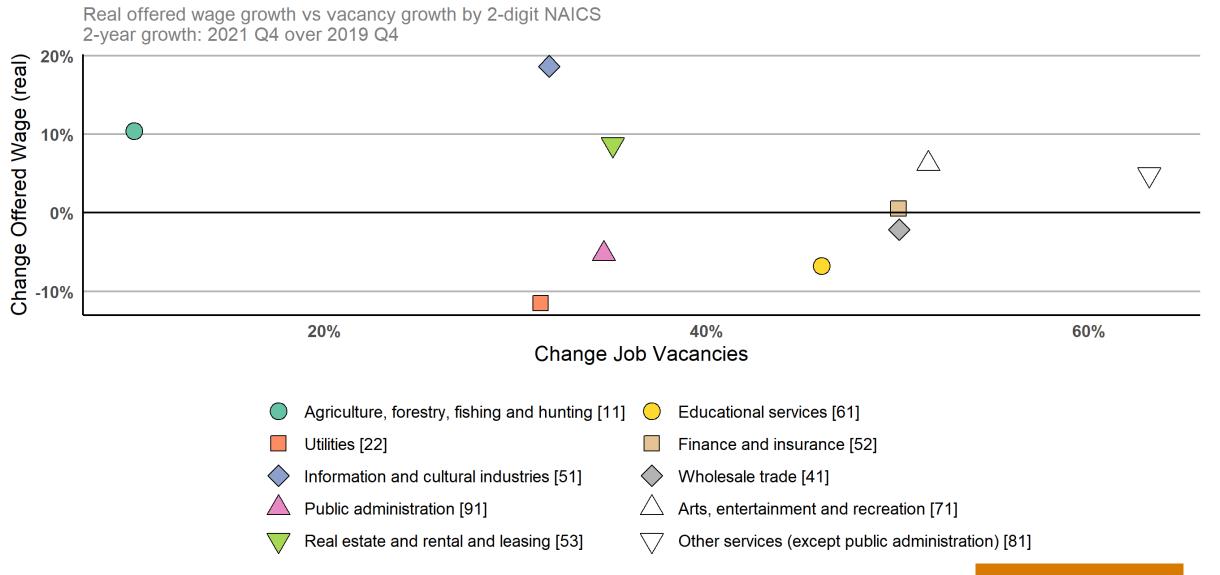
### Wage pressures in key sectors but no clear pattern



LMIC; Statistics Canada

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### And wage increases high in some sectors with lower labour demand



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### <sup>11</sup> To "solve" it, need to diagnose the type of labour market tightness Labour or Skills Shortage?

#### Labour shortages: not enough bodies

- Employer-/job-specific
- Directly hampering output

### **Potential solutions:**

- Increase available pool of labour
- Increase the utility of the position
- Change outreach/recruitment techniques
- Reduce labour intensity of production

Skills shortages: not enough qualified applicants

- Industry-/profession-specific
- Tradeoff between waiting and training

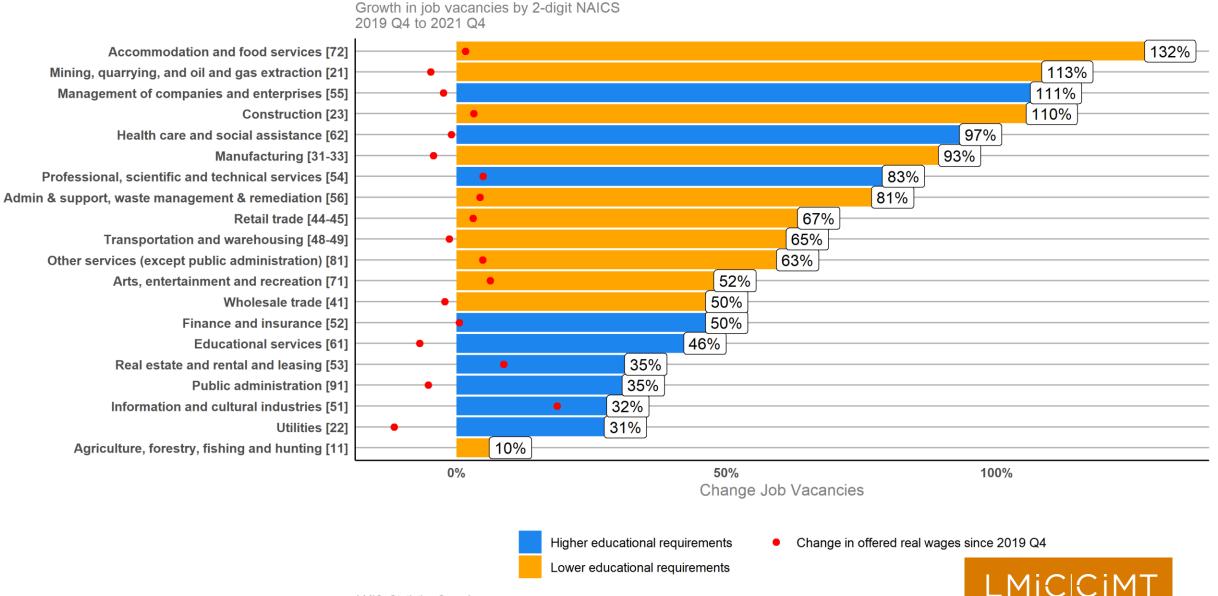
### **Potential solutions**:

- Incentivize/reorient training and education programs
- Prioritize immigration of those with identified skills

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 Expand on-the-job training opportunities

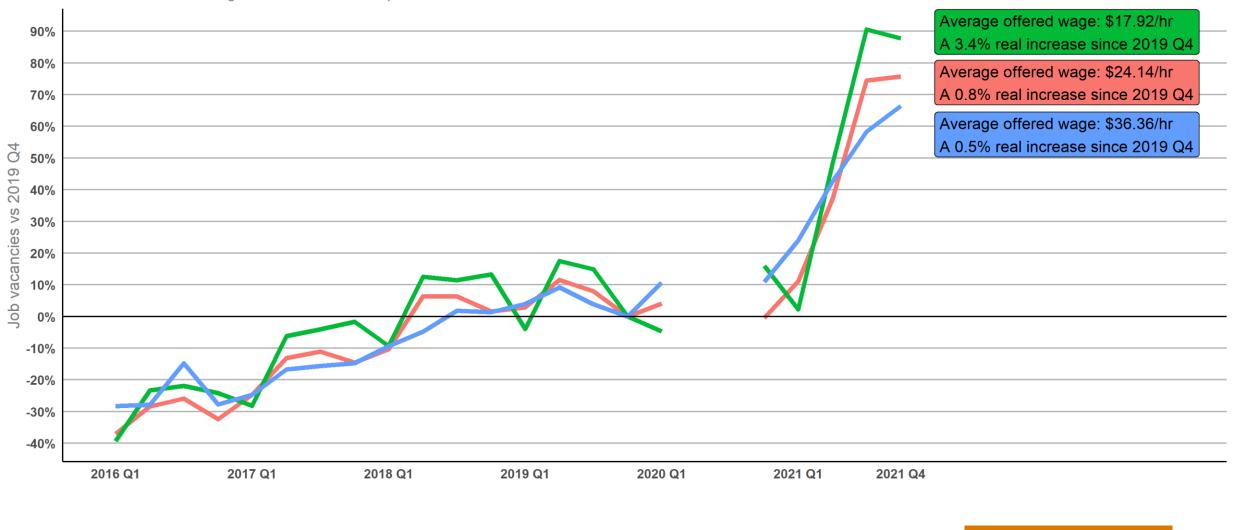
# Labour demand growth spread across a wide variety of sectors suggesting a broad mix of labour and skills shortages



LMIC; Statistics Canada

# Markets are starting to adjust labour shortages in lower education requiring occupations

Growth in job vacancies relative to 2019 Q4 by education level typically required Education level is the 2-digit "skill" level of an occupation



### Where do we go from here

- Without clear metrics for "shortages" we need to be clear about the problems we are trying to solve – and why
- Differentiating between labour and skills shortages is critical to this task
- Thinking long-term about new strategies and approaches for employers to tackle the foreseeable future of tight labour markets
- Avoid sudden shifts or changes in response to long-term, structural changes



# **Questions?**

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