

Surveys on the Impacts of Climate and Technological Changes on Training Needs

Conducted by Nanos for Senator Bellemare,
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Hon. Diane Bellemare, Ph. D.
Sénatrice – Québec
Senator – Quebec

dianebellemaresen.ca

The survey



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sénatrice – Senator,
Québec

Two themes

Theme 1: The perception of the impact of climate and technological changes on the labour market and the need for training

Theme 2: The perception of the skills gap and the need for training

Methodology



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- Survey conducted by Nanos as part of an omnibus survey
- Hybrid random digital dialing (RDD) (land and cell lines) telephone and online survey
- Among 1,069 Canadians aged 18 and over
- November 30 to December 2, 2023. The margin of error for this survey is $\pm 3.0\%$, 19 times out of 20.



Theme 1: The perception of the impacts of climate and technological changes on the job market and training needs



Question : *According to experts, technological changes such as automation, artificial intelligence, online shopping and the sharing economy (e.g. UBER, Airbnb) and climate change could have significant impacts on the job market. To what extent do the following statements apply to you personally?*

- **These changes threaten my job**
- **These changes will affect my work tasks, and I will need training**



In 2023, as in 2019, Canadians are twice as likely to say that climate and technological changes will affect their tasks at work and require them to undergo training than to say that these changes threaten their jobs.



- **20%** of employed respondents think it is likely or somewhat likely that climate and technological changes **threaten their jobs**. This translates into some **4 million** Canadians.* *(18% in 2019)*
- **37%** of employed respondents think it is likely or somewhat likely that climate and technological changes will affect their **tasks at work and that they will need training**. This translates into some **8 million** Canadians. *(35% in 2019)*

*Figures are estimates obtained by applying survey results to December 2023 Labour Force Survey data)



- As in 2019, **young Canadians (aged 18 to 34) are more likely** than those **aged 55 and over** to think it is likely or somewhat likely that these **changes** will affect their tasks at work (**42% vs. 33%**).
- As in 2019, **young Canadians** are also the **most likely** to think these **changes will threaten their jobs**. **Canadians aged 55 and over** are now the **least likely** to have this fear (**22% vs. 15%**).



- As in 2019, **job** and **tasks** perceptions are **not statistically different** for **men and women**.
- Respondents from **British Columbia** are the **most likely** to worry about their **jobs (24%)** and those from Quebec about their **tasks (46%)**, while those from **Atlantic Canada** are the **least likely** to worry about their **jobs (14%)** and their **tasks (25%)**.



Theme 2: The perception of the skills gap and training needs



Question : Which statement best describes your situation?

- a. I have all the training I need
- b. I would be interested in taking training
- c. I would be interested in taking training, but I do not have time for it
- d. I would be interested in taking training, but I cannot afford it
- e. I do not want training
- f. I don't know

Interest in training



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- *Just under half of Canadians (49%) want to receive training, down slightly from 2019. This translates into some 16 million Canadians.*
- *Among those in full-time employment, more than three in five (63%) are interested.*



- Of those who are interested in training, **40%**, or some **6 million Canadians**, **can't afford it or don't have the time.**
- **Young Canadians (aged 18 to 34)** are more than twice as **interested in training** than **Canadians aged 55 and over** (66% vs. 28%).



- As for those who **do not wish to receive training, three quarters are aged 55 and over.**
- **Men** are more likely to answer that they **are already well trained** or that they **are not interested in training (46%)** than **women (44%).***
- **Interest in training is highest in the Prairies (51%) and lowest in Quebec (46%).**

* However, the difference is not statistically significant.



Question : To what extent do you agree or disagree with the following statements?

- I should take training to improve my reading ability.
- I should take training to improve my math skills.
- I should take training to improve my computer skills (e.g. using Internet tools).
- I should take training to improve my occupational skills.
- I need a skills assessment to better identify my training needs.



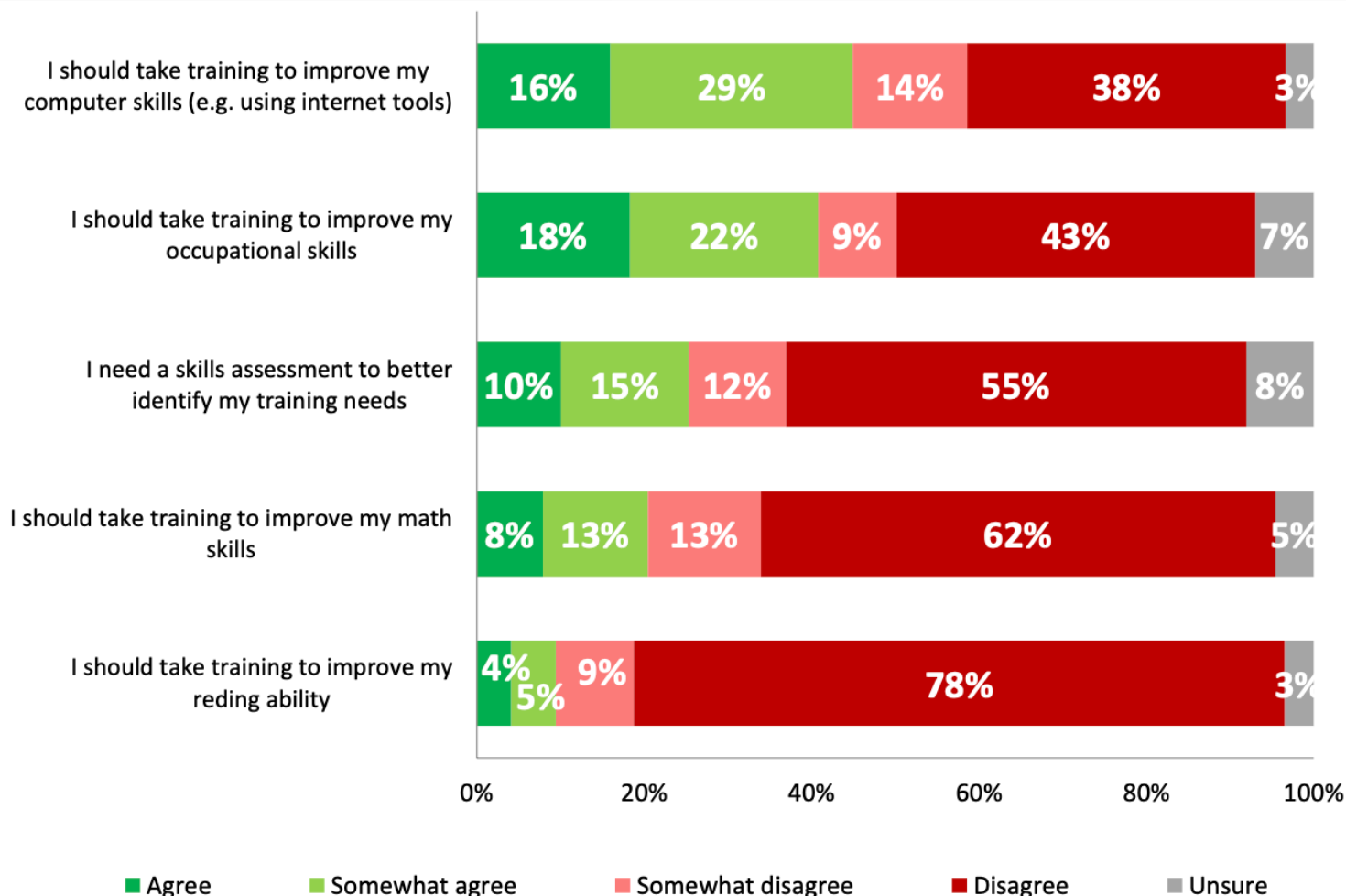
The most popular trainings are those designed to improve:

- *computer skills (45%), for 15 million Canadians, and*
- *employment skills (40%), for 13 million Canadians.*

Training needs



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*Weighted to the true population proportion.

*Charts may not add up to 100 due to rounding.

Source: Nanos Research, RDD dual frame hybrid telephone and online random survey, November 30th to December 2nd, 2023, n=1069, accurate 3.0 percentage points plus or minus, 19 times out of 20.



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