



AI Job Risk Report Canada

Which occupations AI is reshaping — and which stay human

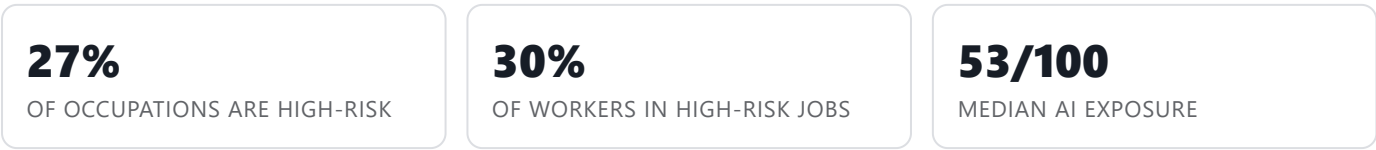
30% of Canada's covered workforce is employed in occupations with high AI task exposure.

551 OCCUPATIONS	21.5M WORKFORCE COVERED	53/100 MEDIAN AI EXPOSURE	27% HIGH-RISK OCCUPATIONS
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Executive summary

Across 551 occupations covering 21.5M workers in Canada, median AI exposure is 53/100. 27% of occupations — and 30% of workers — fall in the high-exposure band.



Most exposed areas

- Business, Finance & Legal
- IT & Digital
- Government & Public Sector

Most resilient areas

- Trades & Construction
- Agriculture & Environment
- Hospitality, Retail & Tourism

Risk & pay: Higher-paid, judgement-heavy roles cluster at lower risk, while many mid-pay administrative roles carry the highest exposure.

What to watch: Entry-level and routine administrative tasks are narrowing fastest; client-facing, accountability and hands-on work remain the human moat.

How to read this report

Every occupation is scored on how much of its work generative AI can touch, and how much of it stays hard for AI to do. Four ideas run through the report:

- **AI exposure** — how much of the day-to-day tasks AI can already perform.
- **Automation pressure** — how likely those tasks are to be automated in practice.
- **AI augmentation** — where AI makes the worker faster rather than redundant.
- **Job displacement risk** — the combined pressure on the *number* of jobs.

A risk score is not a probability that a job disappears. It is a composite of the occupation's task structure, how automatable those tasks are, workforce demand, and the human moat. High exposure often means AI *augments* the role, not that it vanishes.

Canada labour-market snapshot

Occupations analysed	551
Workforce covered	21.5M
Median AI exposure	53/100
High-risk occupations	27%
High-risk workforce	30%
Typical annual pay (median)	\$66,810
Data year	2025

Canada has a median AI exposure of 53/100. High-exposure work is concentrated in business, finance & legal and adjacent groups, while trades & construction stays most resilient.

National AI job risk map

Each tile is an occupation; tile area is proportional to the number of people employed, colour is AI task exposure.



■ Low exposure (<40) ■ Medium (40–69) ■ High (70+)

Three things this map shows

- The largest tiles — Business, Finance & Legal and related groups — carry above-median exposure.
- 30% of employment sits in the high-exposure (red) band.
- Trades & Construction forms the biggest low-exposure (green) cluster.

Explore the interactive version at <https://aijobriskmap.com/country/canada/>.

Risk distribution

Two views tell different stories: how risk spreads across *occupations*, and across *people employed*.

By occupation count

High	27%
Medium	42%
Low	31%

By workforce

High	30%
Medium	41%
Low	29%

Median exposure 53/100 · quartiles Q1 34 / Q3 71. Occupation-count and workforce shares differ because high-employment jobs are not evenly spread across risk bands.

Highest-risk occupations

Ranked by AI task exposure. The right column shows tasks AI is most likely to take over.

#	Occupation	Risk	Workforce	Pay	Main exposed tasks
1	Data entry clerks	98	35,000	\$48,880	Manually typing text and numbers from paper or digital documents; Use scanners and OCR software for batch data capture
2	Weigh Scale Operators	98	3,500	\$46,000	Automatically read weighbridge weight data without manual recording; Automatically associate transport information via license plate recognition or RFID and generate electronic tickets
3	Banking, insurance and other financial clerks	95	105,000	\$52,686	Counting and reconciling cash and cheques; Standard account opening and closing form processing
4	Accounting and related clerks	95	98,000	\$52,000	Automatically classify and enter transaction data; Automated reconciliation and variance report generation
5	Financial and investment analysts	94	43,000	\$90,002	Automatically collect and organize financial statements, market data, and news summaries; Generating standardized investment reports and performance summaries
6	Financial and investment analysts	94	36,000	\$77,500	Automatically collect and organize financial statements, market data, and news summaries; Generating standardized investment reports and performance summaries
7	Financial investment manager	94	35,000	\$100,000	Automate routine market data collection, report generation, and updates; Using AI for preliminary asset allocation model calculations
8	Securities agents, investment dealers and brokers	94	25,000	\$88,525	Execute standardized securities order transactions; Manually organize market data and generate reports
9	Personnel clerks	93	134,000	\$57,990	Employee file data entry and updates; Standard recruitment notices and onboarding document generation
10	Payroll clerk	93	75,000	\$62,400	Data entry and verification: automatically import hours from time-tracking systems, calculate standard wages and deductions; Report generation: Automatically generate payroll and tax reports using AI templates
11	Financial sales representatives	93	65,000	\$66,310	Use CRM and AI tools to automatically dial calls, screen potential clients, and send standardized follow-up emails; Handle common service inquiries, product introductions, and initial needs confirmation via chatbot
12	Translators, terminologists and interpreters	92	22,000	\$70,616	General document translation (e.g., emails, news) is replaced by machine translation; Simple dialogue interpretation (e.g., tourist inquiries) is being replaced by AI voice translation
13	Translators, terminologists and interpreters	92	15,000	\$60,000	General document translation (e.g., emails, news) is replaced by machine translation; Simple dialogue interpretation (e.g., tourist inquiries) is being replaced by AI voice translation

#	Occupation	Risk	Workforce	Pay	Main exposed tasks
14	Customer services representatives - financial institutions	91	98,000	\$46,800	Data entry and table sorting (manual review only required); Standard email and basic document drafting
15	Security guards and related security service occupations	91	120,000	\$45,760	Real-time monitoring and early warning: AI video analysis automatically detects anomalies, replacing manual observation; Route planning and risk analysis: AI optimizes routes and assesses threats, reducing manual decision-making
16	Couriers and messengers	91	35,000	\$54,080	Point-to-point ground transport of regular documents and small parcels; Batch delivery on fixed routes and schedules
17	Postal services representatives	91	20,000	\$41,912	Automated mail sorting system replaces manual sorting tasks; Route optimization algorithm replaces manual planning of delivery sequences
18	Foresters	90	11,400	\$95,992	Aerial image recognition and tree counting in forest resource surveys; Automatic optimization of growth prediction and harvesting plans

Most AI-resilient occupations

Lower task exposure and a stronger human moat. Resilient, not "AI-proof".

Occupation	Risk	Workforce	Pay	Human moat
Painters and Decorators	6	90,000	\$58,240	Fine manual restoration (e.g., antique walls, plaster decorative moldings) requires high visual aesthetics; On-site judgment of substrate condition (wood, concrete, plasterboard) and selection of appropriate treatment process
Construction millwrights and industrial mechanics	6	45,000	\$54,080	Physical disassembly and calibration of complex machinery, requiring fine hand-eye coordination and tactile feedback; On-site safety assessment and emergency response, such as immediate judgment in rigging and lifting operations
Bricklayers	6	12,500	\$83,200	Complex irregular masonry (curved, hollow, historical building restoration) cannot be standardized; Flexible operation in unstructured environments such as bad weather and confined spaces
Concrete finishers	7	45,000	\$70,720	Hand troweling and burnishing techniques for complex surfaces; On-site assessment of concrete workability and timely adjustment
Floor covering installers	7	28,000	\$54,080	Installation in irregularly shaped rooms and complex corners; Fine manual skills for repairing old or damaged flooring
Tilers	7	15,000	\$72,301	Manual cutting and fitting of complex curves and irregular spaces; On-site judgment of base treatments (waterproofing, leveling)
Underground mine service and support workers	7	6,500	\$79,040	Manual emergency response capability in sudden failures or hazardous environments; On-site judgment and adjustment for complex geological conditions
Oil and gas drilling, servicing and related labourers	7	15,600	\$64,480	Make quick, unstructured decisions in extreme weather and remote field settings; Ability to handle emergencies such as blowouts and fires
Mine labourers	7	13,500	\$67,600	Emergency judgment and decision-making in complex geological conditions; On-site rapid repair skills for equipment breakdowns
Metal Fabricators, Fitters and Structural Metal Workers	8	31,000	\$60,320	Manual assembly and welding adjustment of complex steel structures (e.g., irregular beams, non-standard components); Spatial awareness, temporary support, and lifting coordination decisions during on-site installation
Ironworkers	8	28,000	\$89,440	Flexible tying and adjustment in complex/irregular structures; Adaptability to severe weather and field conditions
Glass forming and finishing machine operators and glass cutters	8	4,200	\$47,299	Manual handling and positioning of irregular/oversized glass; Artisan judgment for adjusting gaps with building structures during on-site installation
Aquaculture and marine harvest labourers	9	12,000	\$45,760	Equipment maintenance and troubleshooting in complex environments; Empirical diagnosis of sudden illnesses or abnormal behaviors

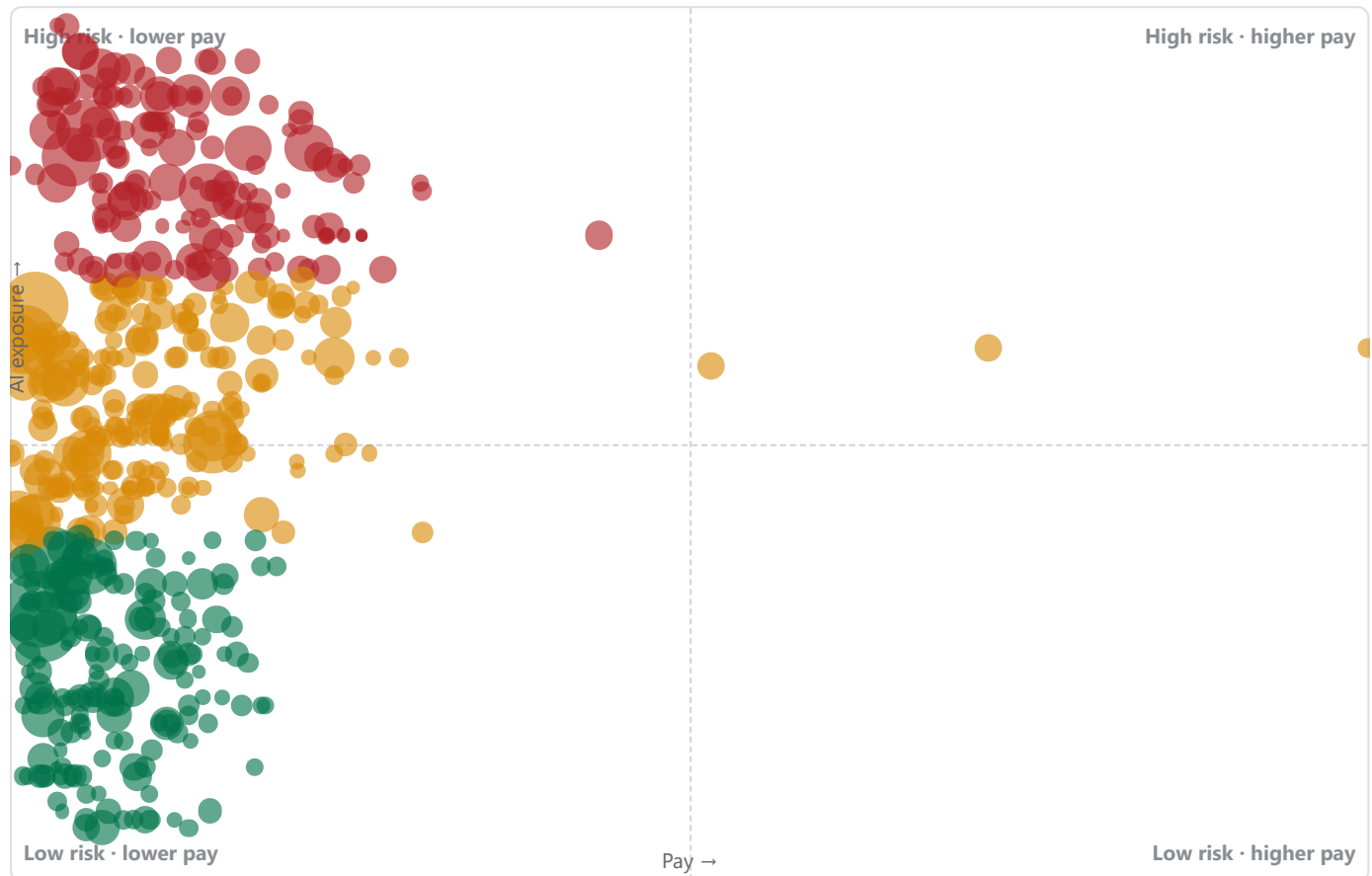
Occupation	Risk	Workforce	Pay	Human moat
Concrete, clay and stone forming operators	10	13,500	\$54,080	Hand troweling and burnishing techniques for complex surfaces; On-site assessment of concrete workability and timely adjustment
Fencers	10	8,700	\$72,218	On-site installation and repair operations in severe weather (extreme cold, mud) and remote locations; Face-to-face communication and coordination skills with clients and other trades on site
Boat and cable ferry operators and related occupations	10	3,800	\$57,491	On-the-spot judgment and manual operation skills in emergencies; Adaptive decision-making in adverse weather and unconventional scenarios
Industrial butchers and meat cutters, poultry preparers and related workers	12	32,000	\$47,840	Exception handling: manual judgment needed for impurities or deformed parts misidentified by the machine; Fine detailing: premium steak cutting, special customer customization requests
Labourers in food, beverage and tobacco processing	12	15,000	\$52,936	Manual handling of non-standard or fragile items (e.g., hand-bottling specialty wine); Quickly diagnose and fix common equipment faults (requires mechanical knowledge)

Risk by occupational group

Group	Median risk	High-risk %	Workforce	Median pay
Business, Finance & Legal	79	72%	5.0M	\$72,124
IT & Digital	74	79%	768,300	\$108,752
Government & Public Sector	64	42%	1.1M	\$83,964
Education & Community	62	25%	1.4M	\$79,997
Engineering & Infrastructure	57	35%	758,300	\$95,337
Creative, Media & Personal Services	53	28%	1.1M	\$59,238
Healthcare & Care	50	10%	1.9M	\$68,640
Transport, Logistics & Mining	45	25%	1.5M	\$65,000
Hospitality, Retail & Tourism	42	20%	3.5M	\$43,451
Agriculture & Environment	40	13%	554,200	\$62,400
Trades & Construction	26	2%	3.9M	\$62,171

Salary vs AI risk

Each bubble is an occupation: horizontal = pay, vertical = AI exposure, area = workforce.



Priority now: high pay · high risk

- Senior Managers - Financial, Communications and Other Business Services
- Senior managers - health, education, social and community services and membership organizations
- Engineering Managers
- Computer and information systems managers
- FPGA Engineer
- ASIC Design Engineer

Most exposed: lower pay · high risk

- Other Professional Occupations in Natural and Physical Sciences
- Financial sales representatives
- Sales and Account Representatives - Wholesale Trade (Non-Technical)
- Computer network support technicians
- Agricultural representatives, consultants and specialists
- Graphic designers and illustrators

Tasks AI is likely to automate

Representative automatable tasks drawn from the most-exposed occupations. Tasks are an occupation-level characteristic, shared across countries.

Data entry clerks

Weigh Scale Operators

Banking, insurance and other financial clerks

Accounting and related clerks

Financial and investment analysts

Financial and investment analysts

Financial investment manager

Securities agents, investment dealers and brokers

Personnel clerks

Payroll clerk

Human advantages

What still needs people, even in the most-exposed occupations — the balance to the risk numbers above.

Data entry clerks

Weigh Scale Operators

Banking, insurance and other financial clerks

Accounting and related clerks

Financial and investment analysts

Financial and investment analysts

Financial investment manager

Securities agents, investment dealers and brokers

Personnel clerks

Payroll clerk

Career transition opportunities

Adjacent, more-resilient roles for people in exposed occupations. Detailed transition plans live on the occupation pages.

Exposed occupation	Adjacent, more-resilient roles
Data entry clerks	Records management technicians · General Office Clerk · Payroll clerk
Weigh Scale Operators	Heavy Equipment Operators · Crane signalers · Material handlers
Financial and investment analysts	Auditors and Accountants · Financial auditors and accountants · Statisticians
Financial and investment analysts	Auditors and Accountants · Financial auditors and accountants · Statisticians
Financial investment manager	Financial and investment analysts · Securities agents, investment dealers and brokers · Management consultants and business analysts
Securities agents, investment dealers and brokers	Financial and investment analysts · Financial investment manager · Insurance brokers
Personnel clerks	Payroll clerk · General Office Clerk · Accounting and related clerks
Payroll clerk	Auditors and Accountants · General Office Clerk · Customs, ship and other brokers
Security guards and related security service occupations	Underground mine service and support workers · Heavy Equipment Operators · Crane signalers
Couriers and messengers	Delivery drivers and door-to-door distributors · Material handlers · Crane signalers
Foresters	Forestry technologists and technicians · Environmental scientists and specialists (including health) · Environmental scientists, including meteorologists and oceanographers
Auditors and Accountants	Financial auditors and accountants · Actuary · Statisticians

What workers can do

Next 30 days

- Map which of your weekly tasks are most exposed to AI.
- Start using an AI assistant on one recurring task and measure the time saved.

Next 6 months

- Shift effort toward client-facing, judgement and accountability work.
- Earn a recognised credential in your field or an adjacent one.

Next 2 years

- Move toward an adjacent, more-resilient role (see chapter 13).
- Build a verifiable portfolio of outcomes AI cannot claim on its own.

Outlook & scenarios

Rather than a single prediction, we model three AI-adoption scenarios for job displacement by 2030 across Canada's covered workforce.

CONSERVATIVE 385,371 2% of workforce	BASELINE 770,754 4% of workforce	ACCELERATED 1,695,647 8% of workforce
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Scenario estimates, not forecasts. They express how much of the theoretically-automatable exposure converts to job loss under slow, central and fast adoption — the true path depends on policy, investment and job creation this figure does not net out.

Methodology

- **AI exposure** — generative-AI task-exposure percentile (ILO Working Paper 140, calibrated with Eloundou et al.), mapped to occupations.
- **Occupation classification** — ISCO-08.
- **Workforce & pay** — Canada official statistics office; median annual pay, 2025 basis (the more granular of the source's average/median measures is used).
- **Displacement scenarios** — workforce × exposure × automation share × realisation rate (low/mid/high).
- **Tasks, human moat & adjacent roles** — occupation-level AI analysis, shared across countries by occupation code.
- **Cross-country comparability** — classification and pay years differ by country; compare within a country first.

Version 2026.1 · missing values are left blank rather than imputed.

Sources & citation

- Canada official statistics office
- ILO Working Paper 140 — Generative AI and Jobs: A Refined Global Index of Occupational Exposure.
- Eloundou et al. (2023) — GPTs are GPTs: labor-market impact potential of LLMs. arxiv.org/abs/2303.10130

Suggested citation

AI Job Risk Map (2026). AI Job Risk Report: Canada 2026. <https://aijobriskmap.com/reports/canada/>

Appendix

The full occupation-level dataset for all countries — one row per occupation with exposure, pay, workforce and displacement scenarios — is available for download:

<https://aijobriskmap.com/dataset.csv> (CSV, CC BY 4.0)

Risk bands

- High: exposure 70–100
- Medium: 40–69
- Low: 0–39

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