Digital Skills in the Workforce
Working Recovery

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About National Skills Coalition: Our vision

▶ Jobs that require skills training are the backbone of our economy.

▶ National Skills Coalition fights for a national commitment to inclusive, high-quality skills training so that more people have access to a better life, and more local businesses see sustained growth.
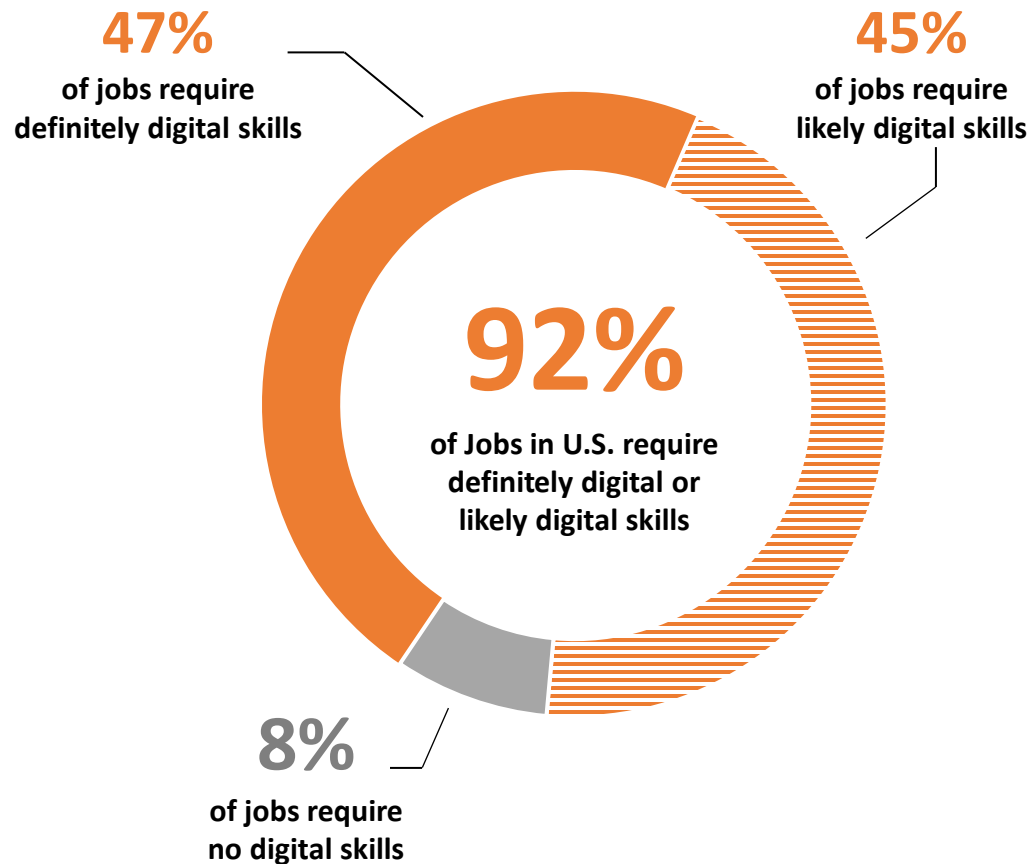
Most jobs these days require digital skills.

So we decided to research employers' demand for digital skills.

Virtually all of today's jobs require digital skills

47%
of jobs require definitely digital skills

45%
of jobs require likely digital skills

92%
of Jobs in U.S. require definitely digital or likely digital skills

8%
of jobs require no digital skills

- ***Definitely*** digital: Microsoft Excel; Python language

- ***Likely*** digital: Bookkeeping; survey design

- ***Not*** digital: Ironing; changing diapers; problem-solving

Construction workers using mobile apps to submit work-order changes.

Welders using collaborative robots ("cobots") in advanced manufacturing.

Food processing plant workers using a human-machine interface (HMI) to manage robots.

Even entry-level jobs require digital skills

Educational credential required	Percentage of job ads requiring <u>likely</u> digital skill	Percentage of job ads requiring <u>definitely</u> digital skill
High school diploma	94%	46%
Associate's degree	97%	47%
Bachelor's degree	99%	74%
Master's degree	97%	46%
Ph.D.	97%	39%

National data. For details, see full report: **Closing the Digital Skill Divide** *(National Skills Coalition, 2023.)*
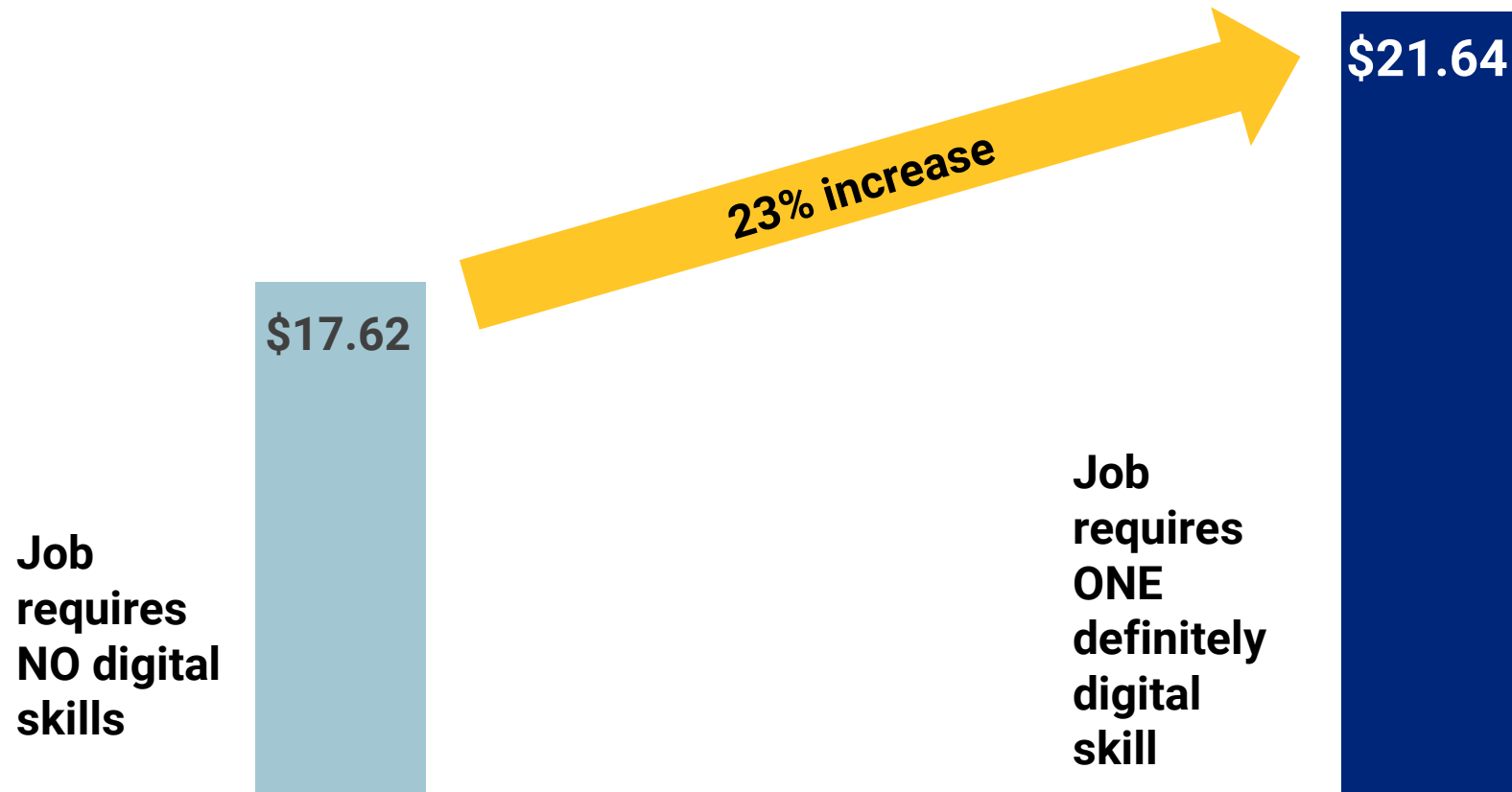
Counter-intuitive but true:
Younger workers need to develop digital skills too!

Jobs that require digital skills pay more

$21.64

$17.62

23% increase

Job requires NO digital skills

Job requires ONE definitely digital skill

Note: Numbers shown are median hourly wages. People who qualify for jobs that require even one digital skill can earn an average of 23 percent more than those working in jobs requiring no digital skills — an increase of $8,000 per year for an individual full-time worker. Data shown are national data. For details, see full report: **Closing the Digital Skill Divide** *(National Skills Coalition, 2023.)*

Examples of in-demand *foundational* digital skills

- Typing
- Data entry
- Barcode scanning
- Word processing
- "Computer literacy"
- Microsoft Excel
- "Virtual training"

*Not in rank order. Data from unpublished NSC analysis conducted as part of **Closing the Digital Skill Divide** report.*
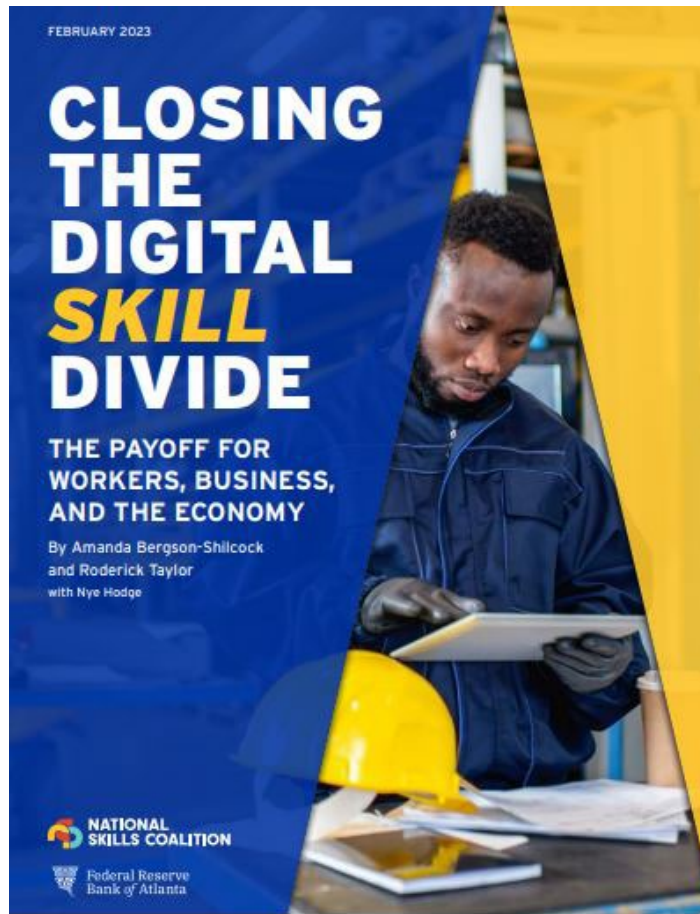
Select *industry-specific* skills with strong demand:

Finance and insurance: Mobile banking, Nationwide Mortgage Licensing System

Healthcare: Electronic medical records; radiologic technology; Connected Home *(software for elder care management)*

Manufacturing: Enterprise Resource Planning (ERP) software; Computer Numerical Control (CNC); business systems analysis

Retail: SAS retail analytics and consumer goods software; Market Trend; robotics; Empower human resources software; credit card applications; electronics design and engineering

Real estate and rental and leasing: Yardi property management software

Full report:
Closing the Digital Skill Divide

Digital Skill Divide

Knowledge to action: Additional resources

- Check out NSC's **Digital Equity Act 101 fact sheet**

- NSC's Digital Equity Act and BEAD **recommendations** *(see right)* may also be helpful

EXPANDING DIGITAL INCLUSION VIA THE BIPARTISAN INFRASTRUCTURE LAW

Recommendations for States in Implementing the Digital Equity Act and the Broadband Equity, Access, and Deployment Program

BY AMANDA BERGSON-SHILCOCK, CAROLINE TRESCHITTA, AND PATRICK MORTIERE

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NATIONAL SKILLS COALITION