



**NATIONAL  
SKILLS  
COALITION**

Every worker. Every industry.  
A strong economy.

# Free to Use: Digital Skills Charts and Graphs

Spring 2023



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# General infographics about digital skills



**ACROSS  
INDUSTRIES,  
92%  
OF JOBS  
REQUIRE  
DIGITAL  
SKILLS**

**45%**

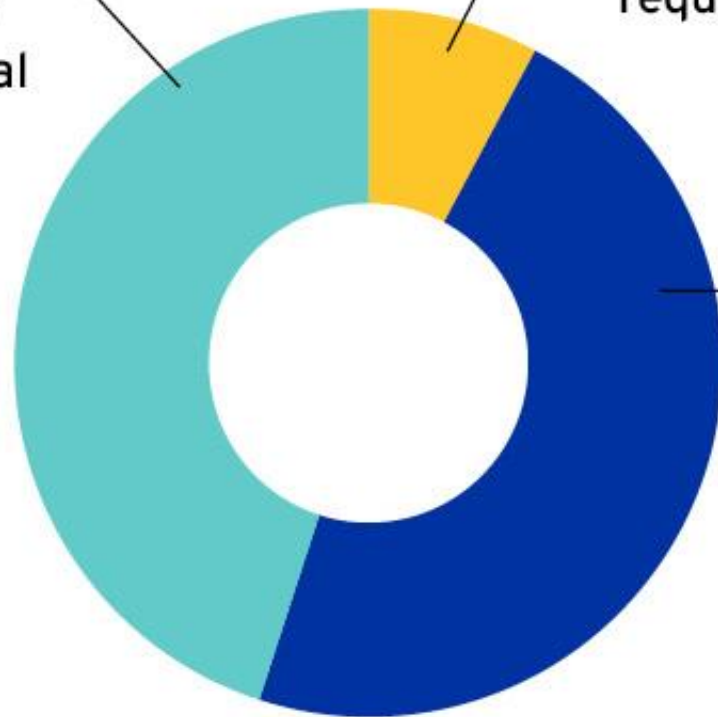
of jobs likely  
require digital  
skills

**8%**

of jobs do not  
require digital skills

**47%**

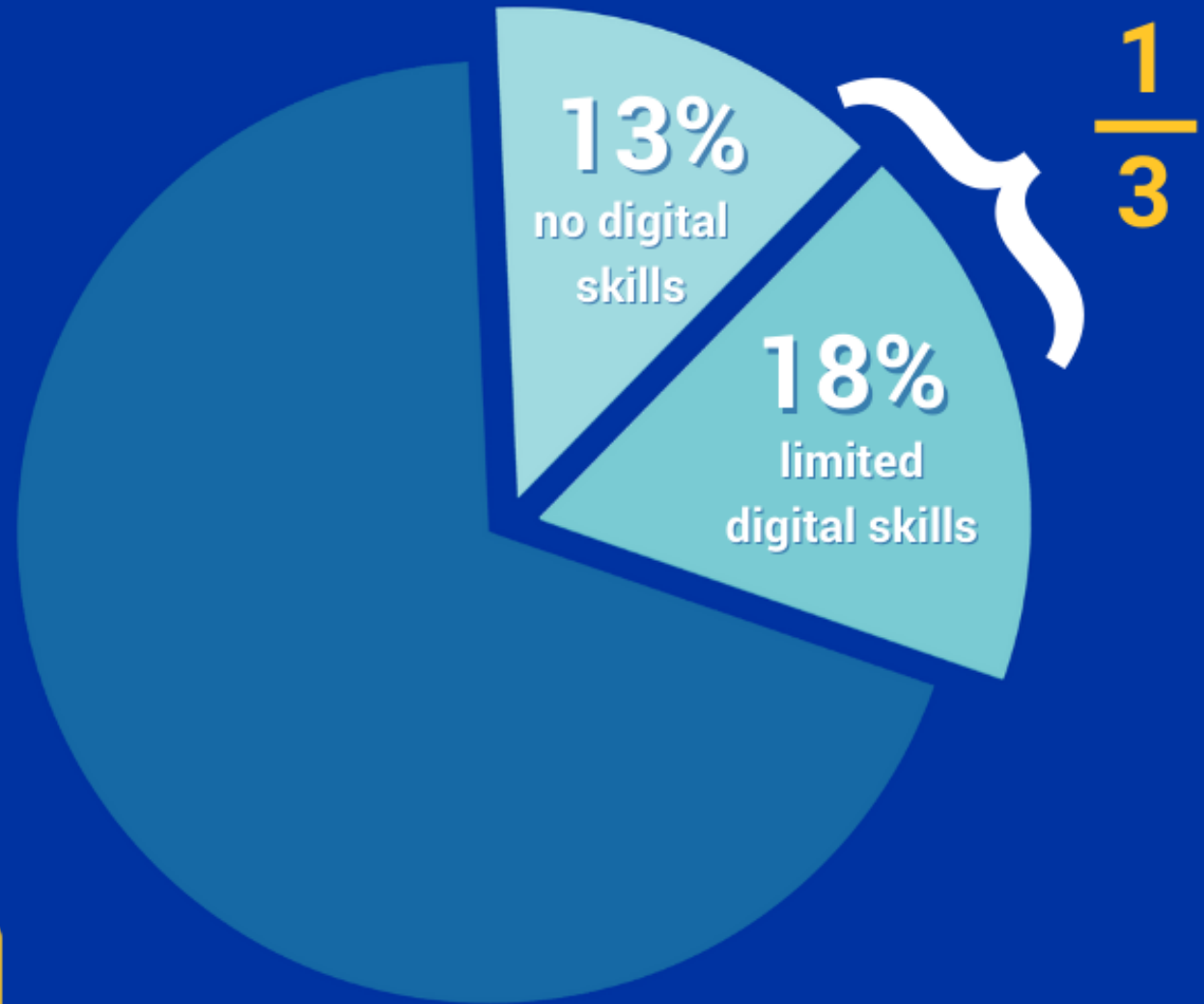
of jobs definitely  
require digital  
skills



*Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: Closing the Digital Skill Divide.*

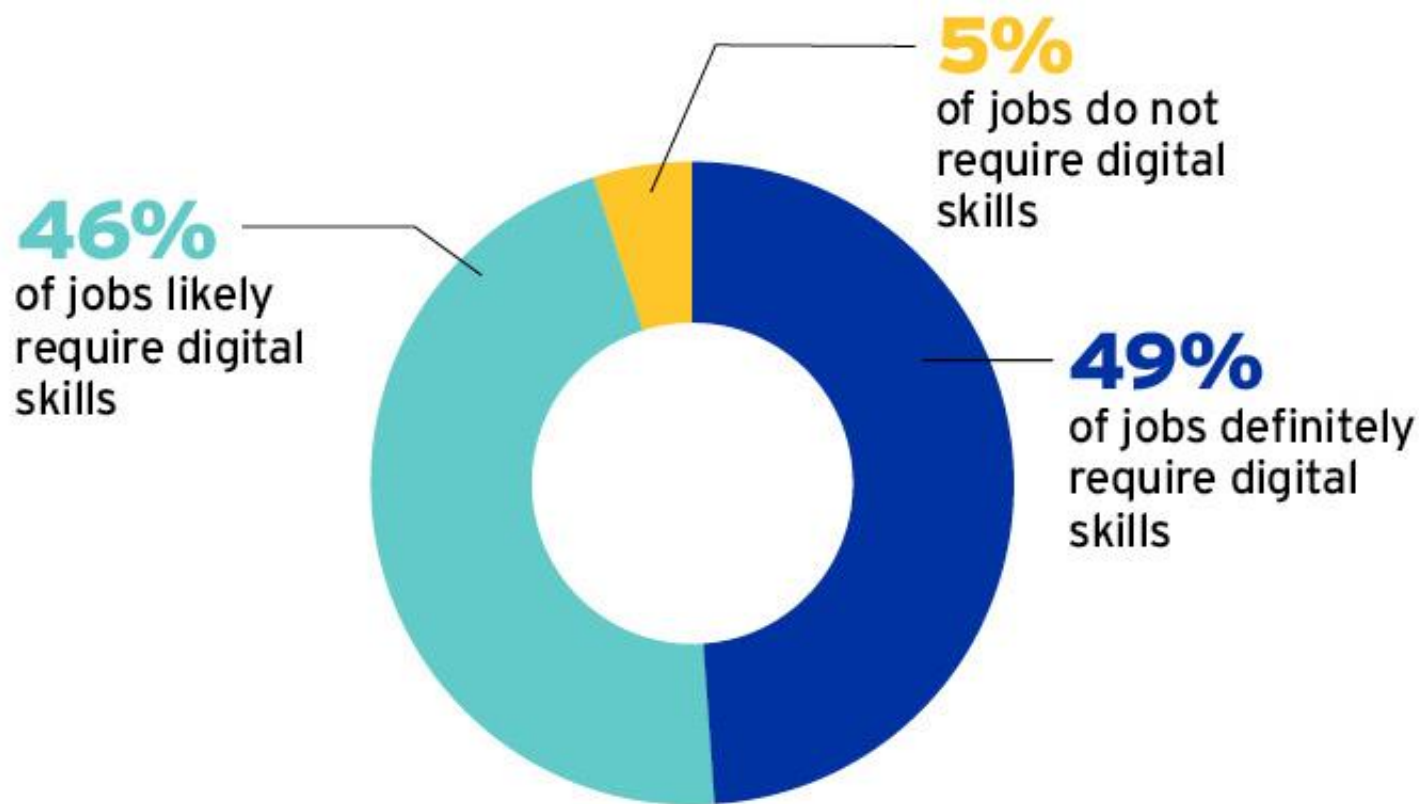
**Nearly one-third** of the U.S. workforce doesn't possess foundational digital skills.

Specifically, **13 percent** have no digital skills and **18 percent** have very limited skills.





# Businesses need **ENTRY-LEVEL WORKERS** to have digital skills



**Of jobs seeking applicants with 0-2 years experience, 95% required digital skills or skills that were likely to be digital.**

*Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: Closing the Digital Skill Divide.*



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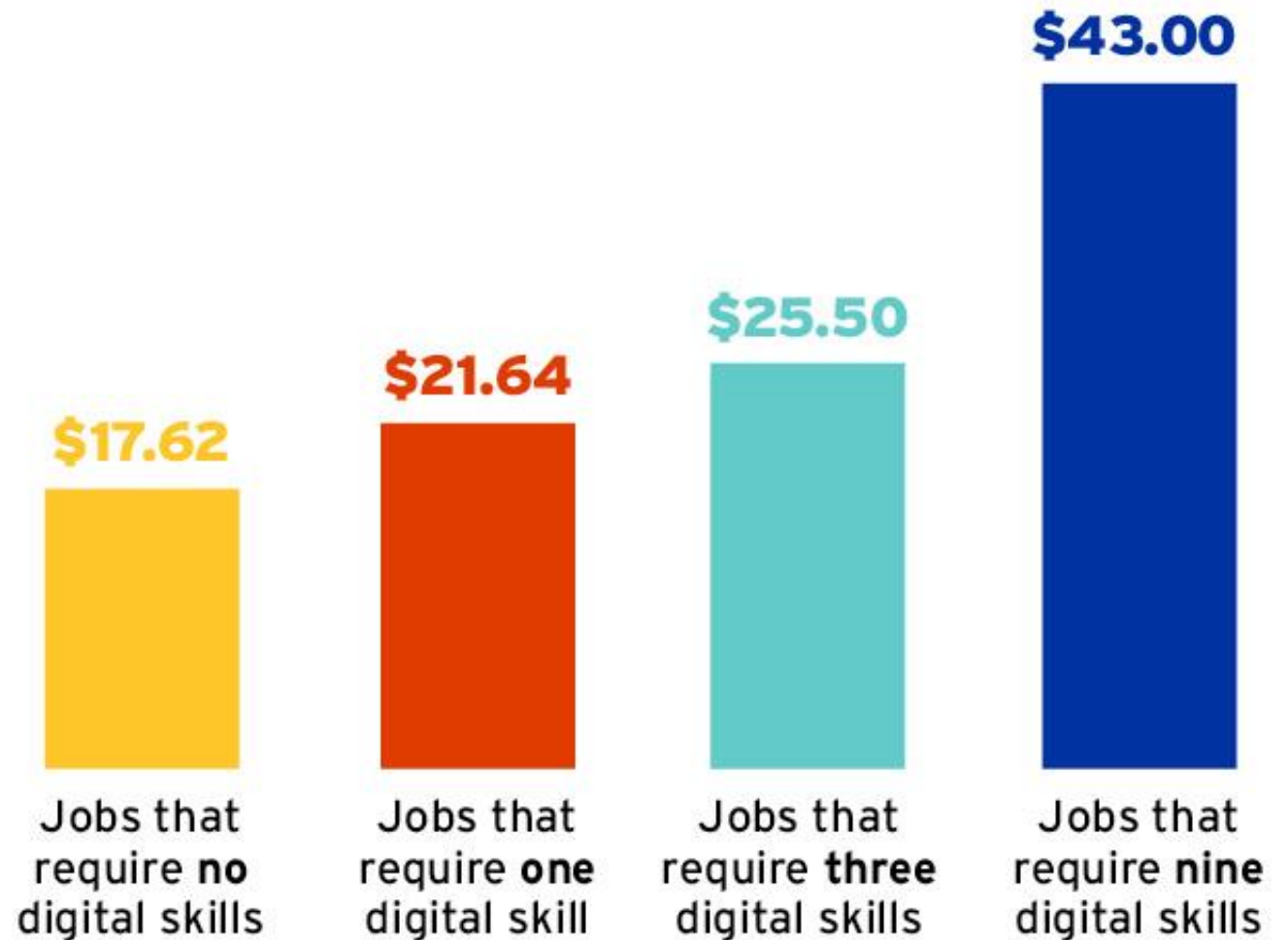
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# Digital skills & economic impact



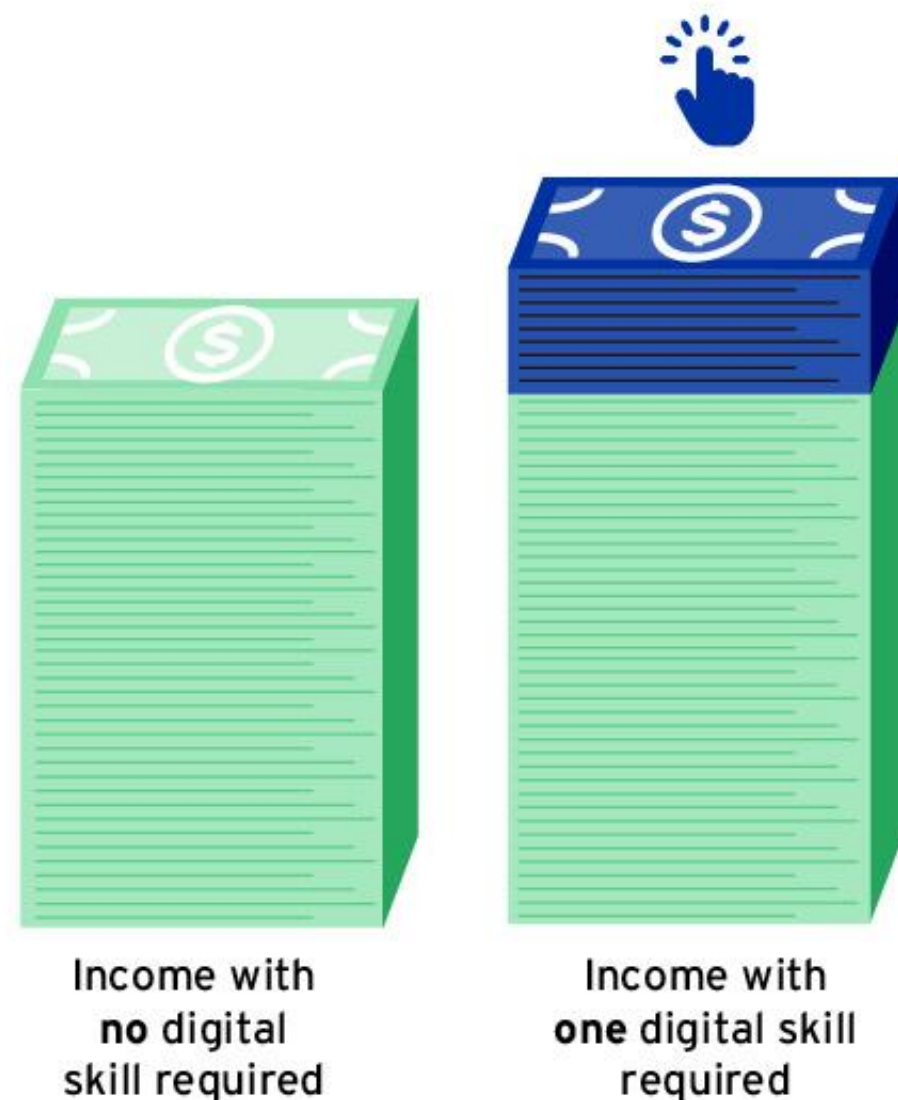
Jobs that  
require  
**DIGITAL  
SKILLS**  
**PAY MORE**

## MEDIAN HOURLY WAGE



Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: *Closing the Digital Skill Divide*.

On average,  
jobs requiring a  
digital skill pay  
**23%  
MORE**  
than those  
that do not.



Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: *Closing the Digital Skill Divide*.

**DIGITAL SKILLS CAN  
HELP WORKERS EARN  
23% MORE...**



**...WHICH INCREASES  
THEIR CONTRIBUTIONS  
TO STATE AND LOCAL  
ECONOMIES.**



# CLOSING THE DIGITAL SKILL DIVIDE HAS **REAL PAYOFF** FOR BUSINESSES



Providing workers with upskilling opportunities can help retention and save businesses **\$25,000-\$78,000** in turnover costs per employee



*Cited in Closing the Digital Skill Divide (NSC/Federal Reserve Bank of Atlanta, 2023).*



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# Digital skill demand by industry



# The **CONSTRUCTION INDUSTRY** has a growing demand for **DIGITAL SKILLS**

**39%**



% of jobs  
that require  
digital skills

**91%**



% of jobs  
that require or  
*likely* require  
digital skills



## **EXAMPLES INCLUDE:**

- Building Information Modeling software
- Construction management software
- Enterprise Resource Planning software
- AutoCAD
- Robotics

Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: Closing the Digital Skill Divide.



The  
**HEALTHCARE  
INDUSTRY**  
has a  
wide-ranging  
need for  
**DIGITAL  
SKILLS**



**EXAMPLES INCLUDE:**

- Electronic health records
- Radiologic technology
- Information security
- Dental practice management software

Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: Closing the Digital Skill Divide.



The  
**MANUFACTURING  
INDUSTRY**  
has a strong  
demand for  
**DIGITAL  
SKILLS**

**60%**



% of jobs  
that require  
digital skills

**93%**



% of jobs  
that require or  
*likely* require  
digital skills



**EXAMPLES INCLUDE:**

- Enterprise resource planning software
- Human-machine interface
- Robotics
- Computer Numerical Control
- Programmable Logic Controller

Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: *Closing the Digital Skill Divide*.



# The RETAIL INDUSTRY has a robust demand for DIGITAL SKILLS



## EXAMPLES INCLUDE:

- E-commerce
- Point-of-sale systems
- Retail and consumer goods analytics (e.g. SAS)
- Robotics

Source: NSC/Federal Reserve Bank of Atlanta analysis of 2021 job postings. Full report: *Closing the Digital Skill Divide*.



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# The need for digital skills policies

# Upskilling for Every Worker in Every Workplace.

Technology is impacting different industries and occupations in different ways. We must empower every worker with industry- and occupational-specific digital skills to adapt and advance in their careers.



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**84%** of voters want  
policymakers to expand  
access to digital learning  
and increase digital  
skills.

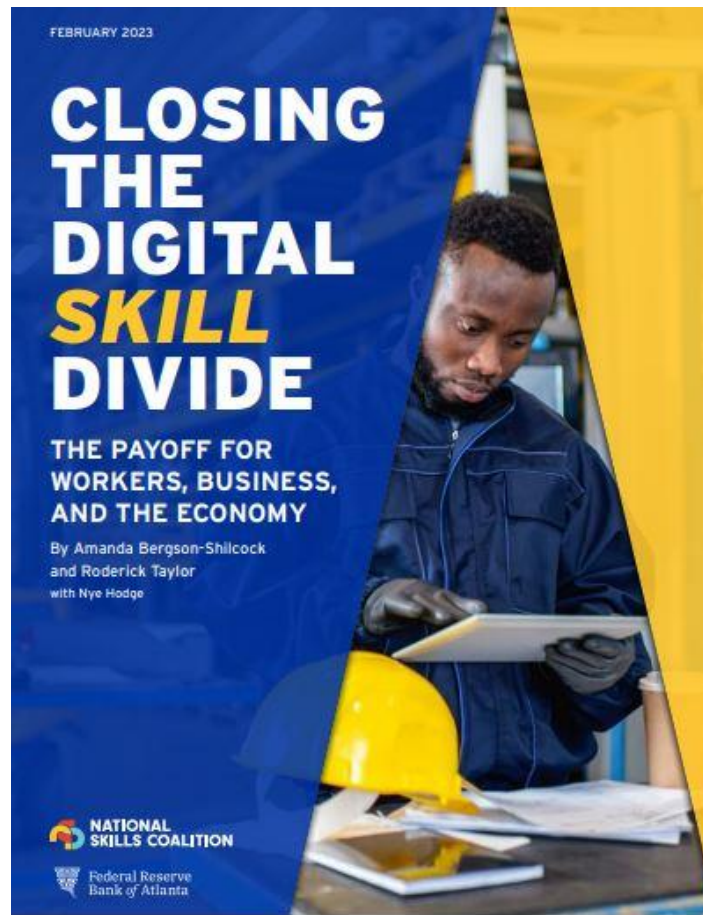


**84%**



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# Want to see the full report these infographics come from?



<https://tinyurl.com/DigitalSkillDivide>



# For more information

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