Competitiveness & Collaboration: Building Talent Pipelines

Manjari Raman Project on U.S. Competitiveness and Project on Managing the Future of Work Harvard Business School

CFA Summit, September 21, 2023



Harvard Business School

- A location (city, region, country) is **competitive**:
 - When <u>businesses</u> operating in that location can grow and succeed globally AND
 - The <u>average worker in that location can aspire to higher wages and better living standards</u>

- Competitiveness depends on the long-run productivity of a location as a place to do business:
 - The productivity of firms and workers
 - The ability to achieve high participation in the workforce





Multiple Forces of Change

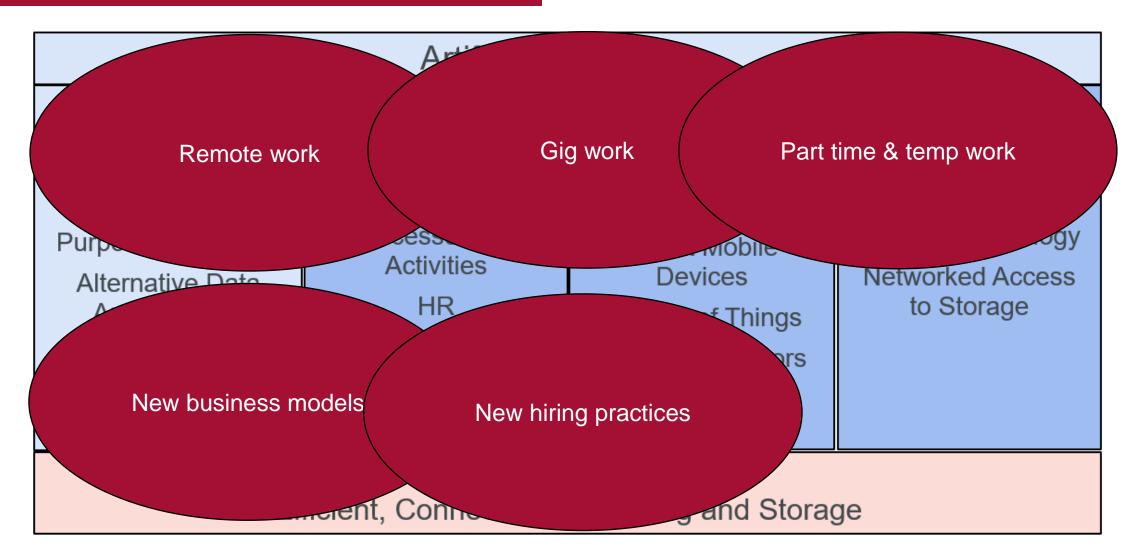


The Skills Ecosystem: Perfect Equilibrium



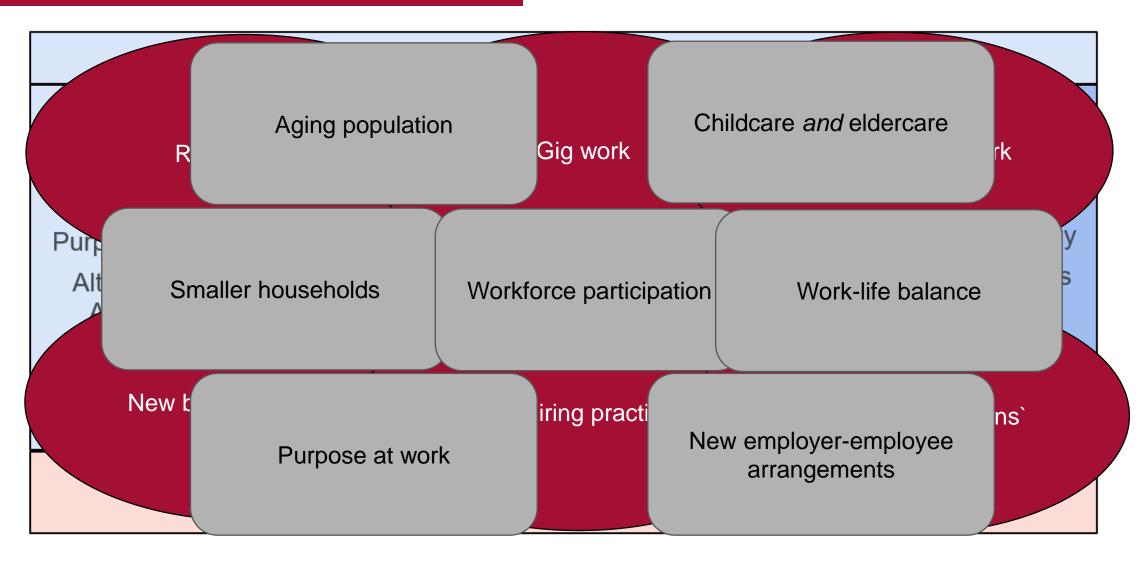


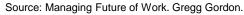
Waves of Disruptive Technology... Changing HOW we work





Waves of Demographic Changes ...Changing WHO works







The Skills Ecosystem: Perfect Storm

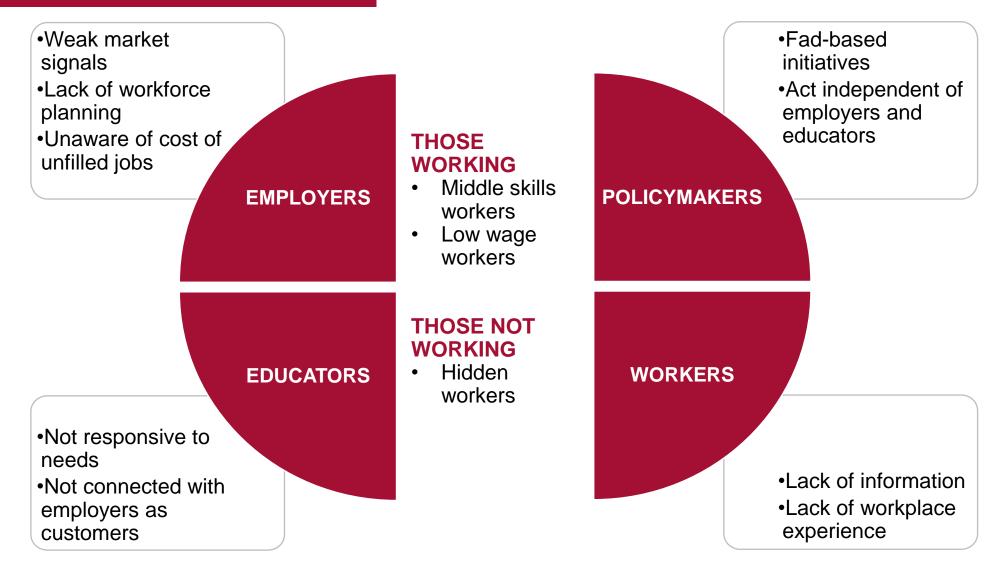


Limited collaboration Low employer engagement





Who are Most Vulnerable to These Changes?







Middle Skills Workers

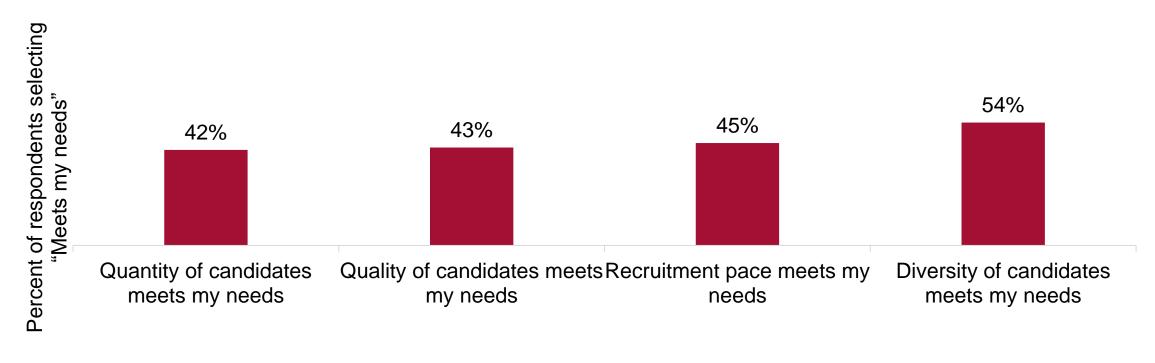


- Since June 2018, the U.S. economy has had more available jobs than job seekers.
- Pre-Covid, in Feb 2020, 5.8 million Americans were unemployed...with 6.9 million job postings open.
- As of May 2023, 6.1 million Americans are unemployed...with 10.1 million job postings open.



Only Half of U.S. Employers can Find the Talent They Need

Can you find the quantity/quality/pace/diversity of candidates your organization needs to ensure the success of your business?

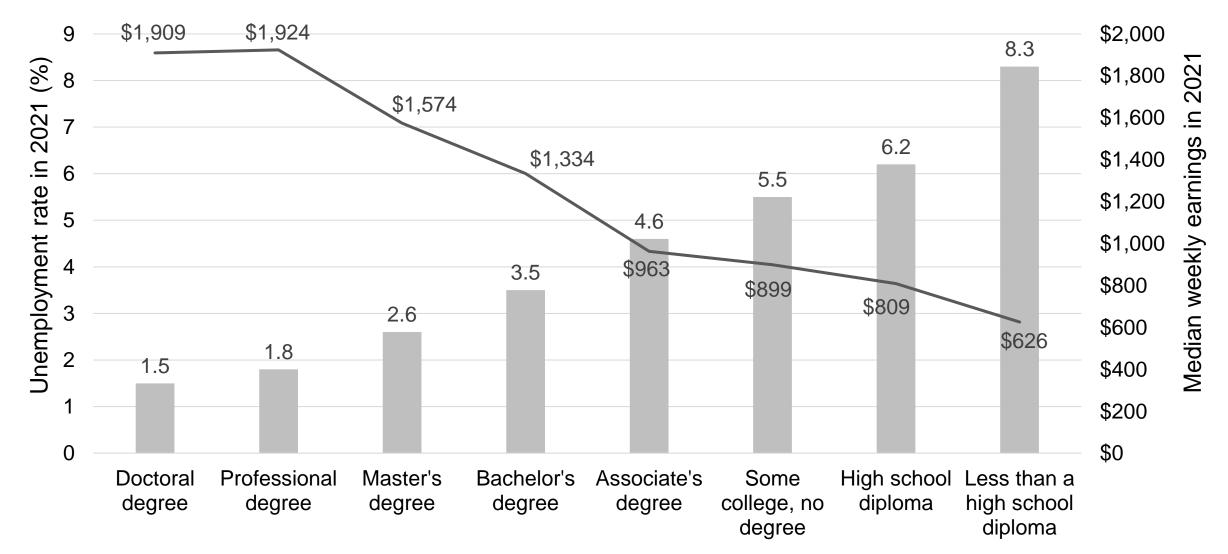


U.S. Employers

Note: Respondents were given the options of "quantity (or quality, pace, diversity) meets my needs," "quantity is less than what I need," or "quantity is much less than what I need." The chart above shows the percent of respondents selecting the "meets my needs" option. Source: "Hidden Worker – Employer Survey," Accenture and Harvard Business School's Project on Managing the Future of Work, January-February 2020

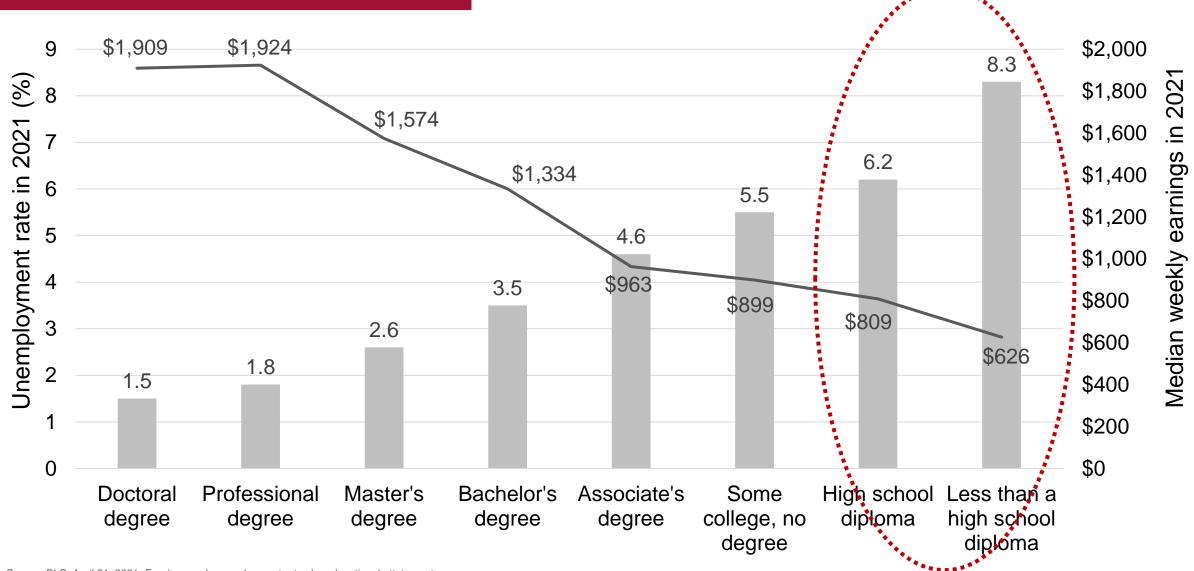


The Middle Skills Gap is Hurting the Average American





The Middle Skills Gap is Hurting the Average American

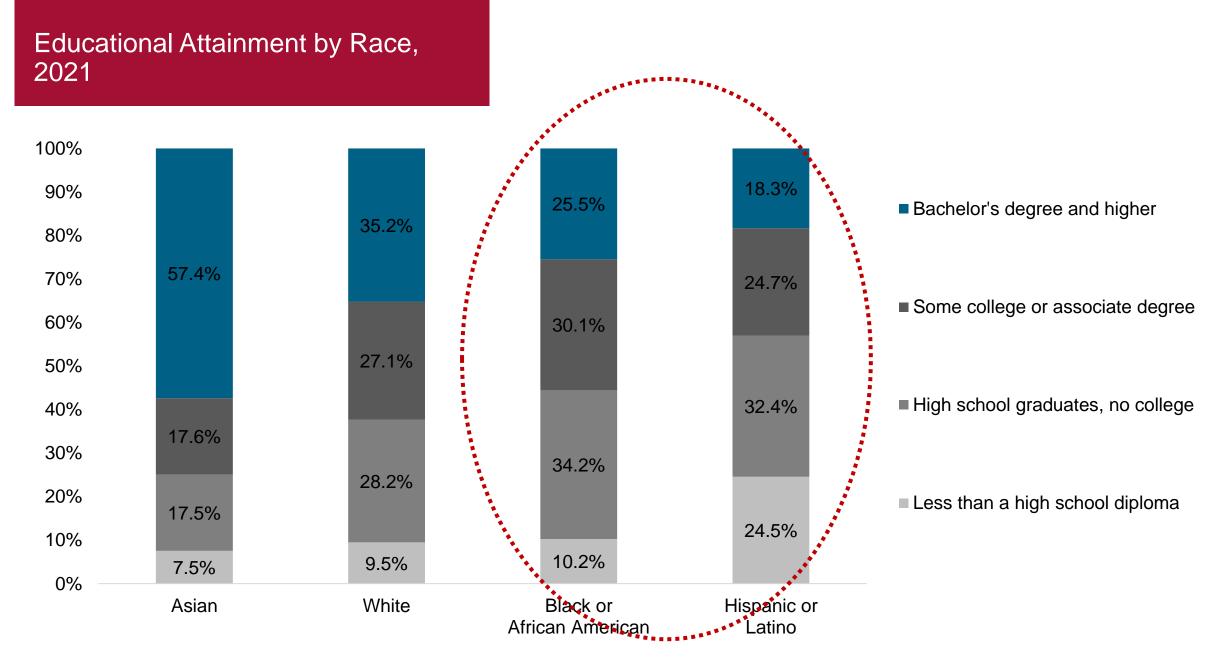


Source: BLS, April 21, 2021. Earnings and unemployment rates by educational attainment.

Managing the Future of Work

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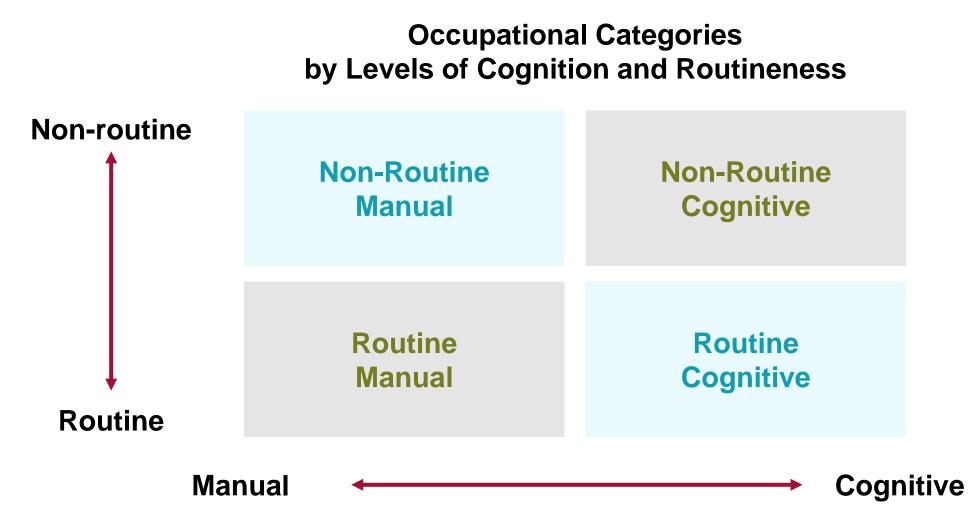




Technology Has Changed the Nature of Middle Skills Jobs



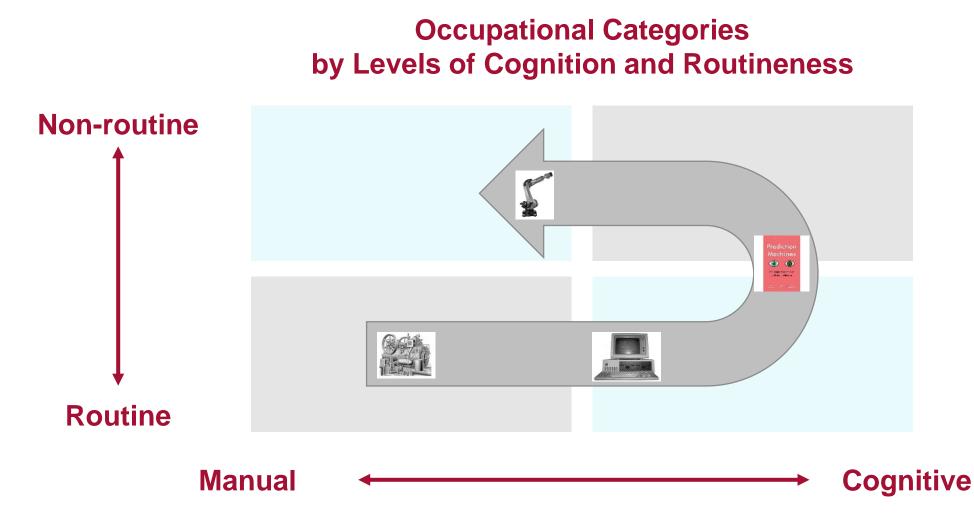
Current and Future Occupations can be Grouped into Four Categories Based on Work Demands



Source: Source: "The Trend is the Cycle: Job Polarization and Jobless Recoveries," by Nir Jaimovich and Henry E. Siu. The National Bureau of Economic Research Working Paper No. 18334. March 2014



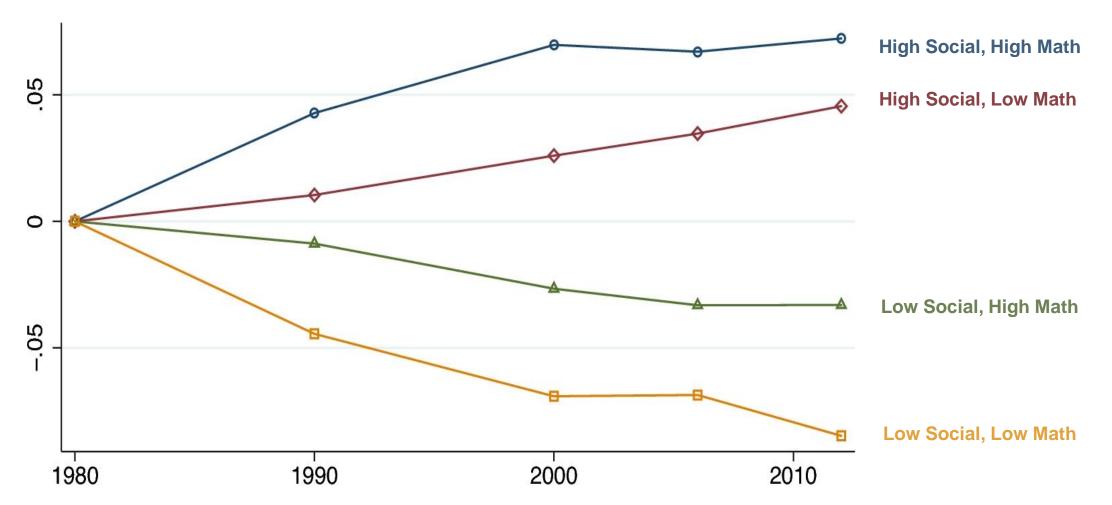
Technology has Rapidly Changed the Nature of Routine and Manual Jobs — and AI is Going to Change Non-Routine and Cognitive Jobs





Rapid Shifts in the Nature of Jobs Due to Technology

Cumulative Changes in Employment Share by Occupation Task Intensity



*Occupational Task Intensities based on 1998 O*Net

Source: Deming, D. J. (2017). The growing importance of social skills in the labor market. The Quarterly Journal of Economics, 132(4), 1593-1640.



Middle Skills Jobs Demand More Complex Skills

Selected Soft Skills in Top Middle-Skills Occupations

Number of job postings seeking skill in 2017

Communication Skills	2,613,869	Micros
Customer Service	1,754,200	Compute
Sales	1,285,738	Micros
Organizational Skills	1,188,904	Pat
Building Relationships	703,650	E
Written Communication	623,817	Trouble
Creativity	389,137	Micros
Leadership	365,721	
Store Management	268,506	Forklift (
Decision Making	215,636	Quality Mar

Selected Technical Skills in Top Middle-Skills Occupations

Number of job postings seeking skill in 2017





Four-Year College Degree as a Proxy for Emerging Skills

OCCUPATION	% POSTINGS REQUIRING B.A. DEGREE	% JOB HOLDERS WITH BA+	CREDENTIALS GAP
Executive Secretaries and Executive Assistants	72%	22%	50%
First-Line Supervisors of Production and Operating Workers	58%	17%	41%
Transportation, Storage, and Distribution Managers	62%	30%	32%
Credit Authorizers, Checkers, and Clerks	65%	27%	38%
Training and Development Specialists	76%	54%	22%
Human Resources Assistants, Except Payroll and Timekeeping	45%	32%	13%



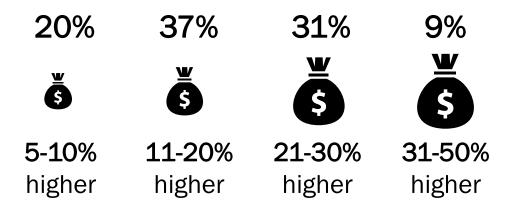
Degree Inflation: Round Pegs in Square Holes



69% of employers think non-degree workers are **equally productive** as college graduates



Of those employers, 51% still **pay college graduates more**



Of the employers that pay college graduates more, 68% pay premiums of 11%-30%

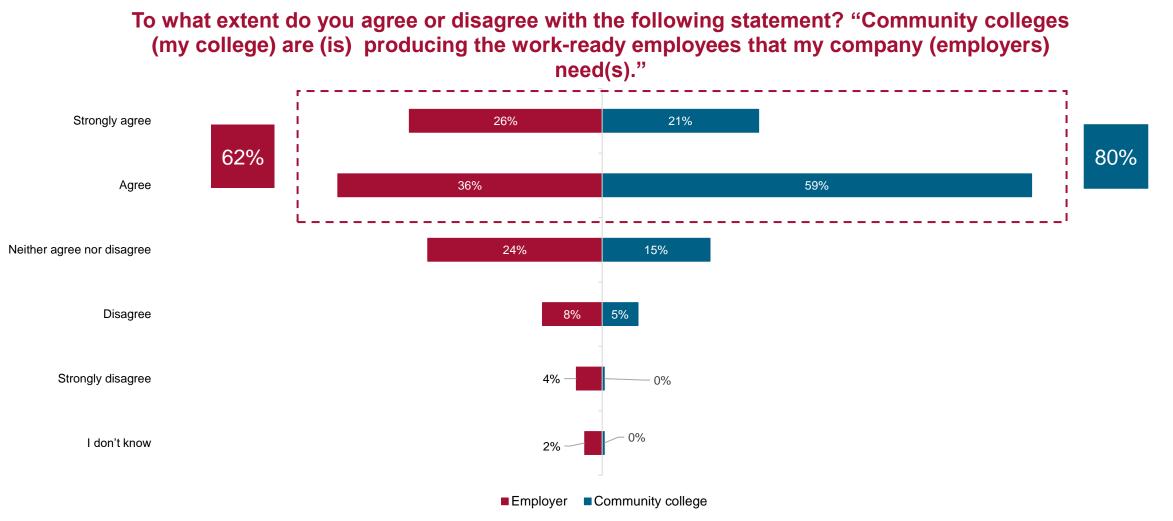




Bridging the Employer-Educator Divide



Employers Lukewarm About the Quality of Talent Produced by Community Colleges

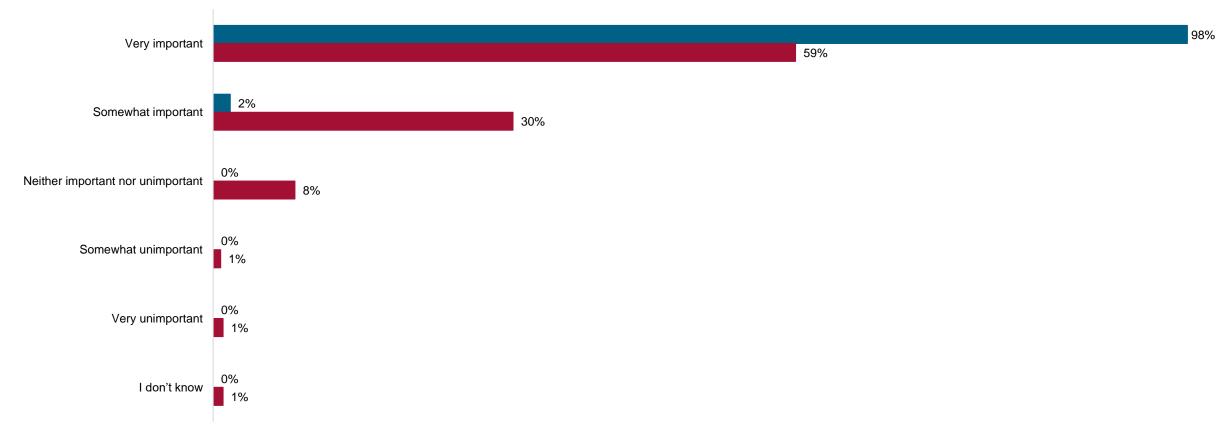


Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021



Employers Less Enthusiastic About the Need to Partner with Educators

Overall, how important do you believe it is for employers and community colleges to partner to produce a work-ready workforce?



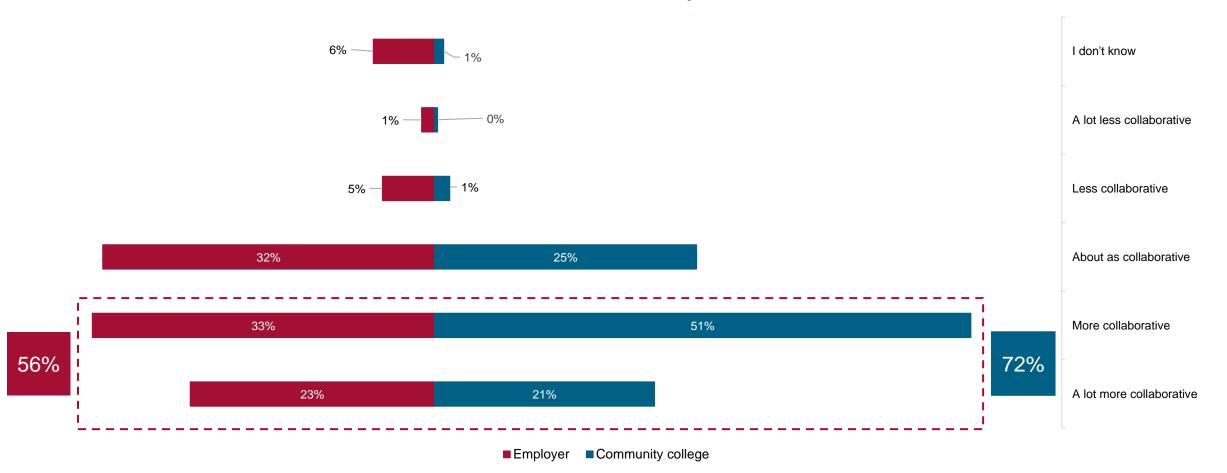
Community colleges Employers

Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021



Employers Less Enthusiastic About the State of Collaboration

Overall, how has the state of collaboration between employers and community colleges trended over the last 3 years?



Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021

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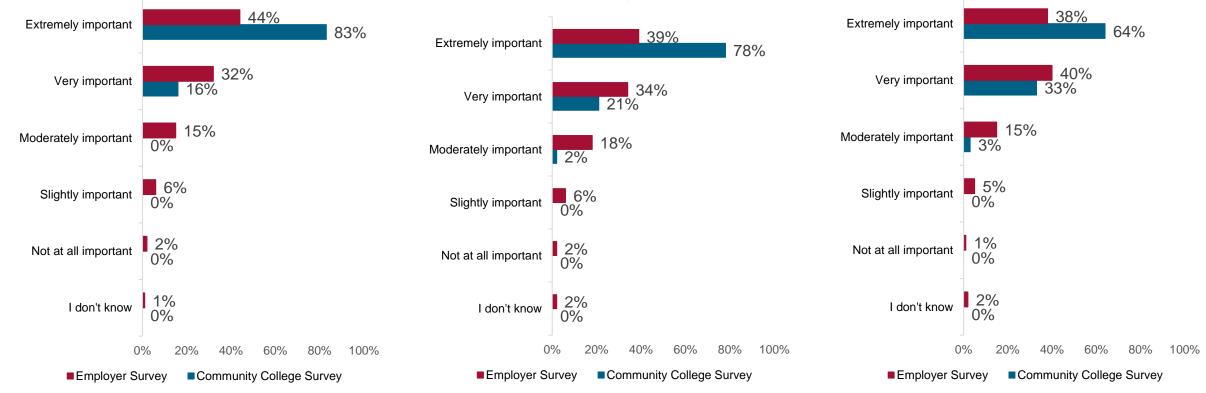
Framework for Employer-Educator Collaboration

GOAL 1	GOAL 2	GOAL 3
Partner with each other to offer training and education that is aligned with industry needs	Establish relationships with each other that result in the recruitment and hiring of students and graduates	Make supply and demand decisions that are informed by the latest data and trends
STRATEGIES Co-create and regularly update college curriculum around relevant technical and foundational skills based on industry needs	Dedicate staff time toward managing employer-college relationships	Collect and share data on the local supply for talent
Co-design programs that fit with students' lives and industry hiring cycles	Create processes for hiring community college students and graduates	Collect and share data on the local demand for talent
Incorporate classroom experiences that simulate real-world settings and scenarios	Develop commitments for hiring and recruitment	Build mechanisms to jointly monitor and improve the supply and demand for talent



Employers Weaker on the Need for Collaboration in all Three Areas

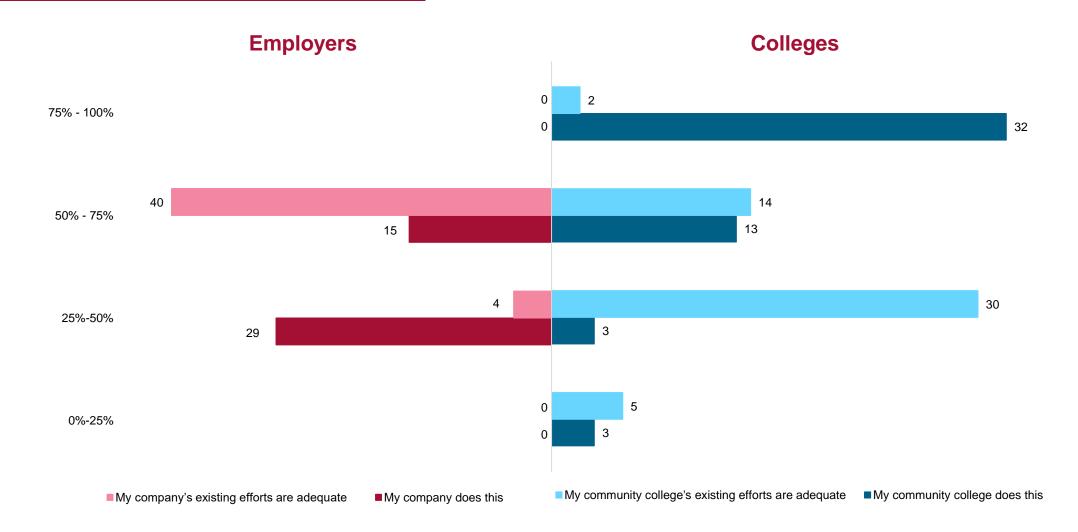
How important do you believe it is for employers and community colleges to partner to offer training and education that is aligned with industry needs? How important do you believe it is for employers and community colleges to collaborate to establish relationships that result in the recruitment and hiring of students and graduates? How important do you believe it is for employers and community colleges to make decisions that are informed by the latest data and trends?



Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021



Employers Take Fewer Actions than Educators and Believe their Efforts are More Adequate

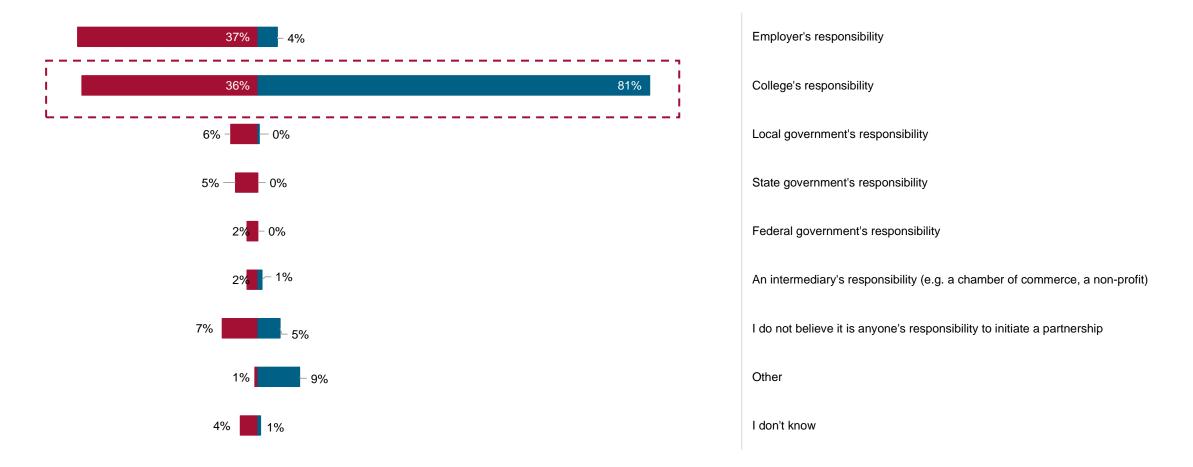


Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021



S Managing the Future of Work

Whose responsibility do you believe it is to initiate college-employer partnerships?



Employer College

Source: "The State of Collaboration Between Community Colleges and Employers – Employer Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November-December 2020 and "The State of Collaboration Between Community Colleges and Employers – College Survey," American Association of Community Colleges and Harvard Business School's Project on Managing the Future of Work, November 2020-April 2021





Hidden Workers



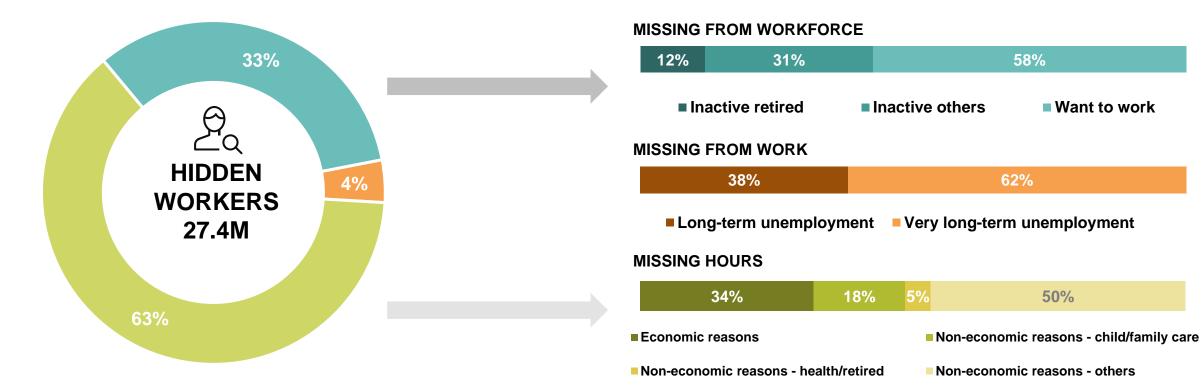


Technology Has Changed How We Hire



More than 27 Million Hidden Workers in the U.S. as of March 2020

63% are "missing hours", 33% are "missing from the workforce," and 4% are "missing from work."



Note: The "missing hours" group consists of people who are working one or more part-time jobs, but could or would like to work full-time; the "missing from work" group consists of those who have been unemployed for a long time but are still seeking employment; the "missing from the workforce" group consists of those who are currently not working and are not actively seeking employment, but who could be working under the right circumstances.

Harvard Business School

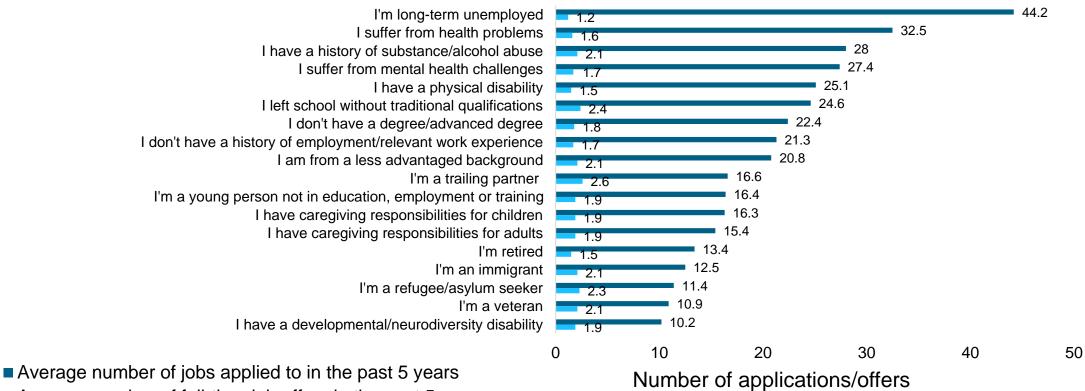
Managing the Future of Work

Source: Accenture Research based on IPUMS CPS data from March 2020 combined with economic modeling results (based on data for 2015-2020).

There are Different Types of Hidden Workers

How many jobs have you applied for in the past 5 years?

Out of these jobs you applied to, roughly how many offered you a full-time job?



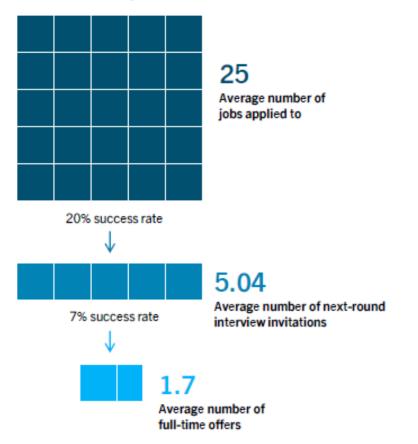
Average number of full-time job offers in the past 5 years

Note: Only those who indicated that they have applied to any job in the last 5 years answered these questions. A "trailing partner" refers to someone who has changed locations because of their partner's work. Source: "Hidden Worker – Worker Survey," Harvard Business School's Project on Managing the Future of Work and Accenture, May-June 2020.



Current Hiring Practices Filter Out, Not Filter In

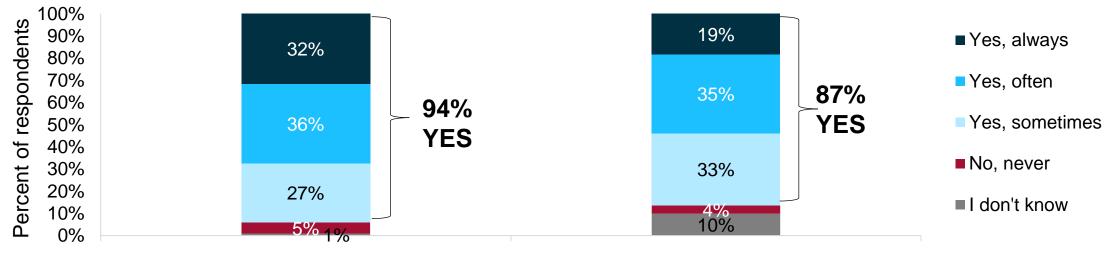
How many jobs have you applied for in the past 5 years? Out of these jobs you applied to, roughly how many invited you for at least one further round of evaluation? Roughly how many offered you a full-time job?





Employers Know That Their Hiring Processes Have Flaws

Do you think employers' hiring processes filter out potential candidates who could successfully perform the job, but don't fit the exact criteria in the job description (e.g., lacks professional experience)?



Middle skills candidates

Note: Phrasing in the worker survey was: "Do you think employers' hiring processes discard your application when you could successfully perform the job, but don't fit the exact criteria in the job description? (E.g., you lack the number of years of professional experience)"; Phrasing in the business survey was: "Do you think your organization's hiring system filters out potential low-and-middle skills hires or high skills hires who could successfully perform the job, but don't fit the exact criteria in the job description? (E.g., lacks professional experience)"

Source: "Hidden Worker – Worker Survey," Harvard Business School's Project on Managing the Future of Work and Accenture, May-June 2020; "Hidden Worker – Business Survey," Harvard Business School's Project on Managing the Future of Work and Accenture, January-February 2020.



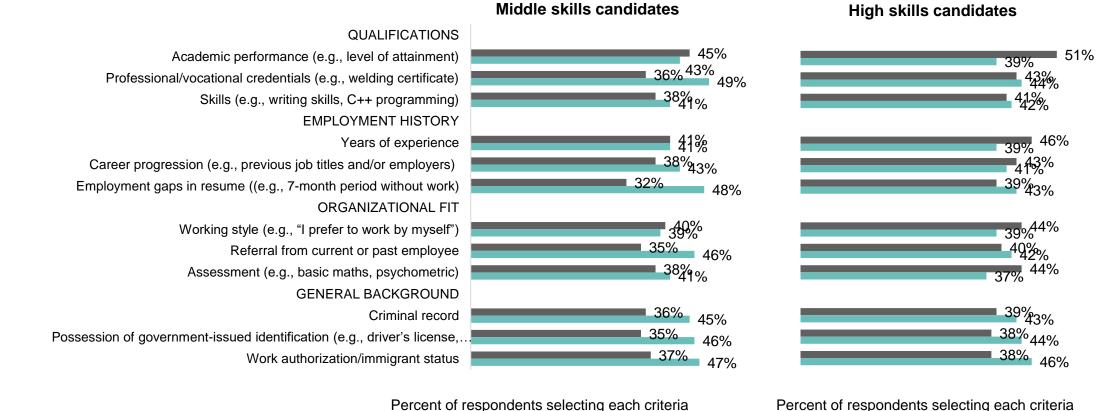
Managing the

Future of Worl

Employers Rank and Filter out Candidates on a Variety of Criteria

Criteria

For each criteria listed below, please indicate if your organization's recruitment management system uses it to rank or filter out prospective candidates during the initial screening process.



Percent of respondents selecting each criteria

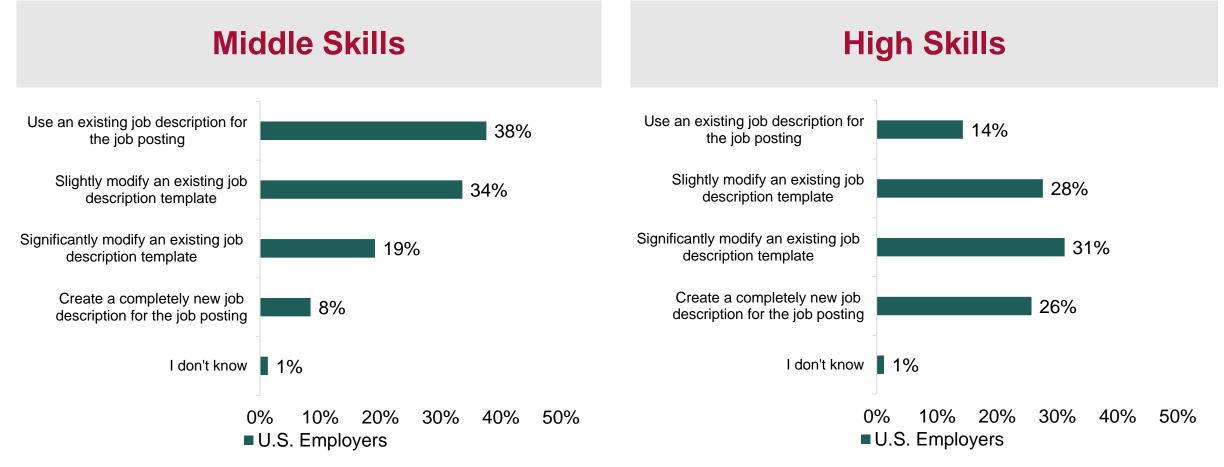
Rank Filter

Note: Only those who indicated that their organization uses a recruitment management system to initially rank or filter middle skills or high skills candidates were shown this question. Source: "Hidden Worker - Employer Survey," Accenture and Harvard Business School's Project on Managing the Future of Work, January-February 2020



Employers Recycle Old Job Postings for Middle Skills Positions

When creating a new job posting for middle skills/high skills positions, which of the following statements best reflects your organization's typical approach?

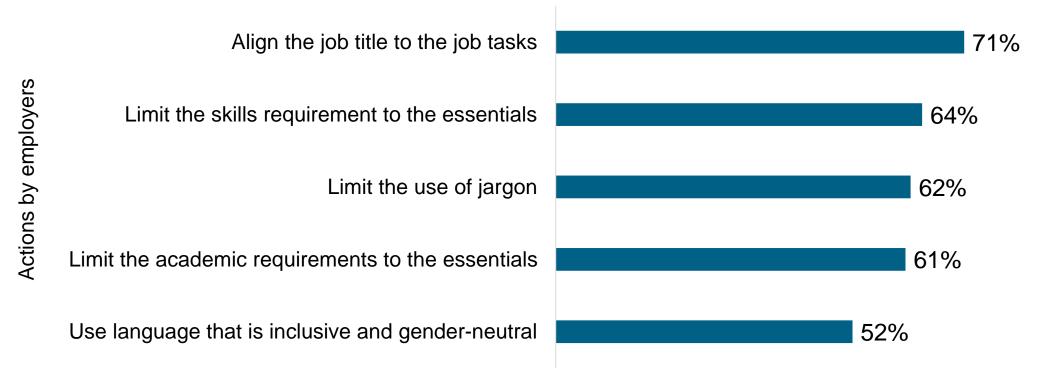


Source: "Hidden Worker – Employer Survey," Accenture and Harvard Business School's Project on Managing the Future of Work, January-February 2020



Job Descriptions Cause Issues

When creating job descriptions, which of the following actions by employers do you think would help you find a job?



Percent of respondents selecting "Helpful" or "Very helpful"



Type of Hidden Worker

Barriers That Impact Each Type of Hidden Worker

						Barrier applies		Most important barrier		
		Caregiving Frictions	Health Issues	Employer Actions	Qualifications and Skills	Mindset	Wrong Fit	Mismatch	Information and Resources	Government Policy
	I'm a young person not in education, employment or training									
	I don't have a degree/advanced degree									
	I left school without traditional qualifications									
5	I suffer from health problems									
	I suffer from mental health challenges									
	I have a developmental/neurodiversity disability									
Ę	I have a physical disability									
5	I have a history of substance/alcohol abuse									
	l'm a refugee/asylum seeker									
5	I'm an immigrant									
Ś	I'm a veteran									
	I'm a trailing partner									
	I have caregiving responsibilities for children									
	I have caregiving responsibilities for adults									
	I don't have a history of employment/relevant work experience									
	I'm long-term unemployed									
	I'm retired									
	I am from a less advantaged background									



Employers are Ignoring the Caregiving Responsibilities of Employees – 2019, Pre-covid

Survey of Employers

• Statement: "Caregiving responsibilities have no impact on employee performance at my organization"

69% agreed

 Do you collect data on the caregiving responsibilities of your employees?

52% said NO

Survey of Employees

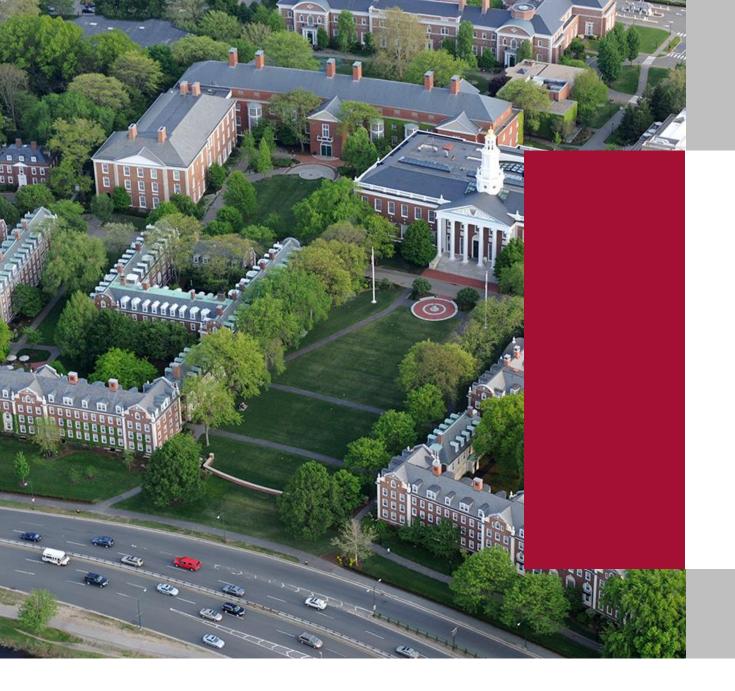
Have you ever left a job because of caregiving responsibilities?

32% said YES

• Has caregiving affected your ability to perform your best at work?

82% said YES



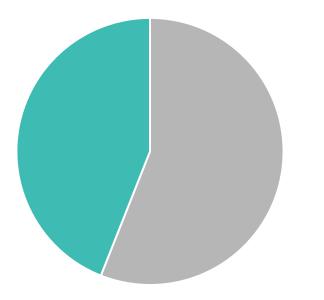


Low-wage workers



Understanding the Essential Role of Low-Wage Workers

 A low-wage worker is a FT employee who lives in a household of three with an annual household income of \$39,970 or less or who earns roughly \$20 an hour or less—income levels that put that individual at no more than twice the level considered to represent the US federal poverty threshold

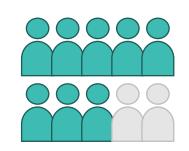


44% (53 million) of the American workforce in 2019 was in low-wage jobs



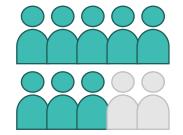


Companies Acknowledge These Workers are Critical for their Competitiveness – But do Little to Nurture their Strategic Importance



80%

of employers believe low-wage workers are crucial to their company's success



80%

of employers believe it is **important for their company's future success** to invest in the upward mobility of lowwage workers



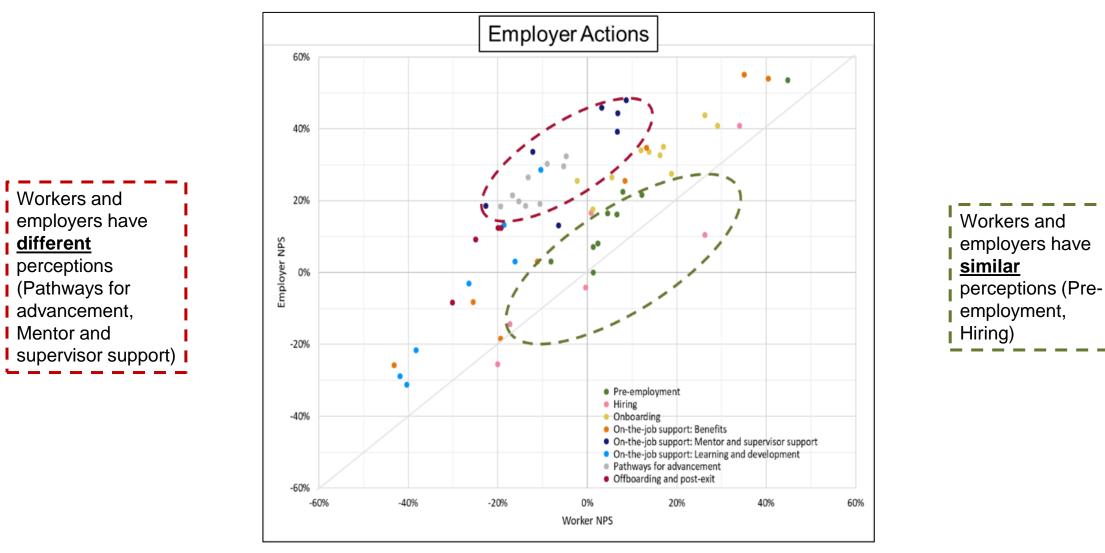
What impact has the upward mobility practices your company implemented had on the following contributors to your company's competitiveness?

Increased productivity	67%
Increased morale	66%
Increased retention	62%
Increased overall company profitability	61%
Increased attendance	61%
Reduced absenteeism (e.g., employees don't attend a scheduled shift)	60%
Increased customer goodwill	57%
Reduced cost of training new employee	57%
Improved safety record	56%
Increased reputation with job seekers	56%
Reduced loss of revenue	55%
Reduced expense of hiring temporary employees	55%
Reduced cost of recruitment	54%
Reduced presenteeism (e.g., employees show up, but are not productive)	53%
Reduced loss of institutional/process knowledge	51%
Reduced overtime costs	50%

High or very high impact



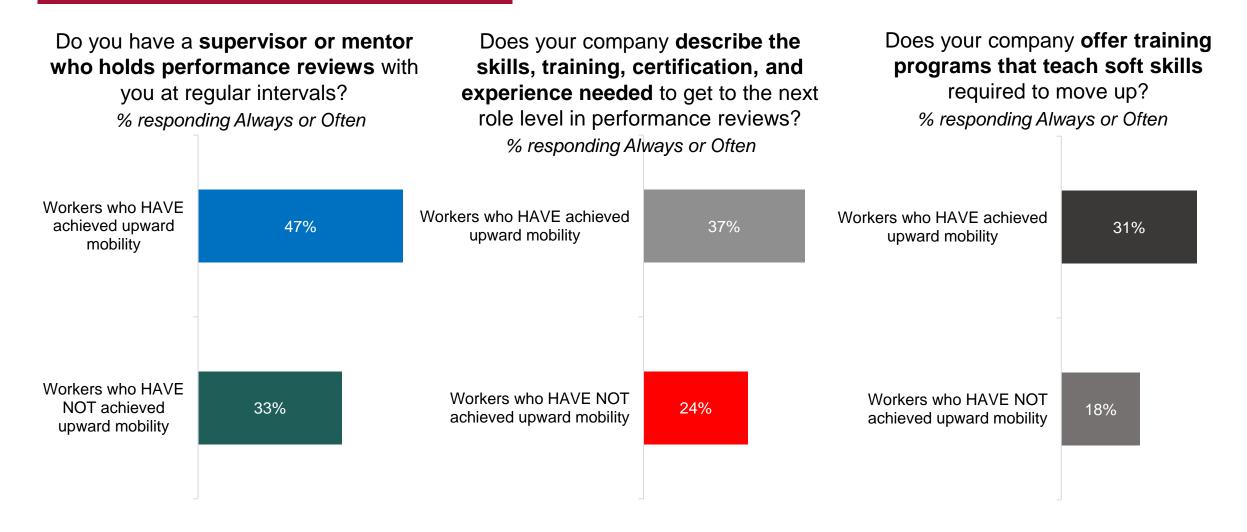
...Yet Implementation of Good Management Practices is Very Weak for Hourly Workers



Source: Fuller, J., Raman, M., (January 2022). Building From the Bottom Up, Published by Harvard Business School.

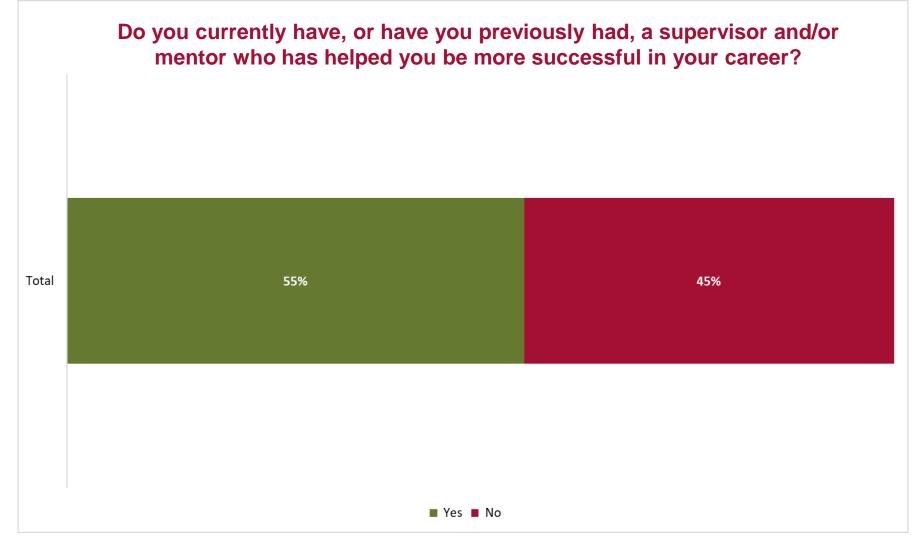


Managing the Future of Work Employers Don't Provide the Three Things That Matter the Most: Mentorship, Training, and Communication about Career Pathways





Lack of Mentorship: Only 55% of Workers Reported that a Supervisor or a Mentor Helped them Succeed



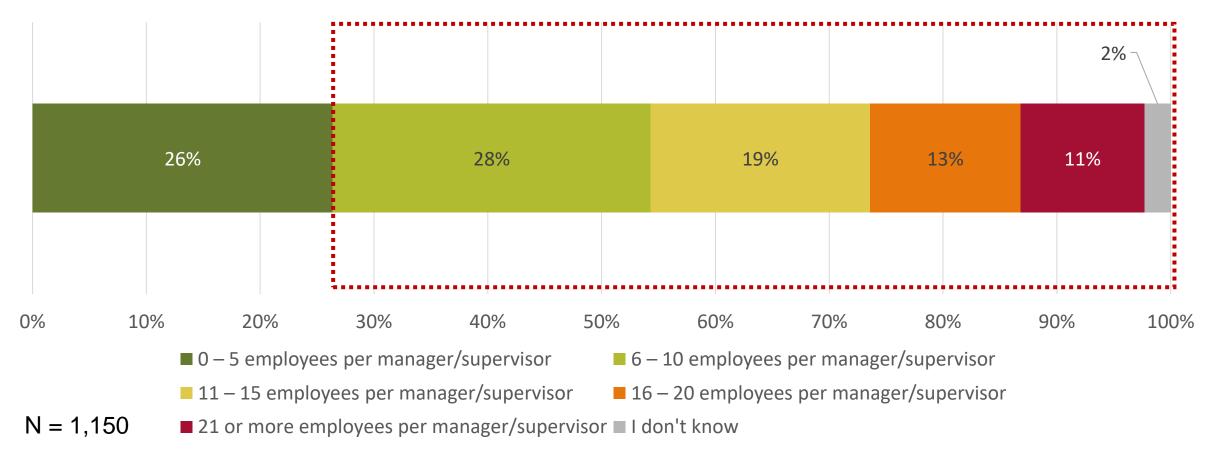
Source: Fuller, J., Raman, M., (January 2022). Building From the Bottom Up, Published by Harvard Business School.

N = 1,025



Lack of Mentorship: Most Supervisors Were Responsible for a Large Number of Workers

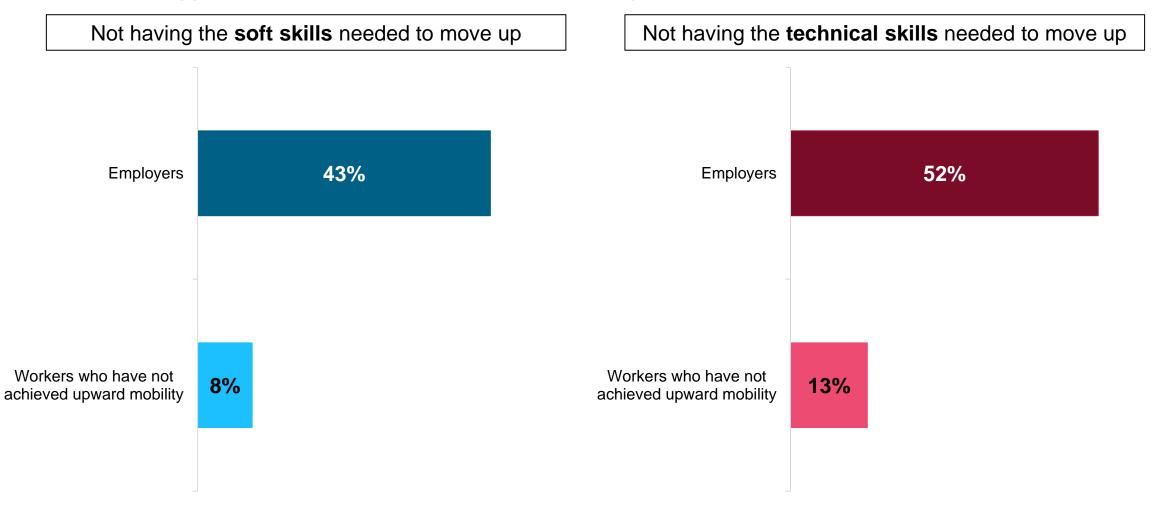
For managers/supervisors who supervise low-wage employees, what is the average number of low-wage employees that each manager/supervisor supervises?





Lack of Training Guidance: Many Workers Were Not Aware of the Skills Deficiencies That Are Preventing Them From Moving Up

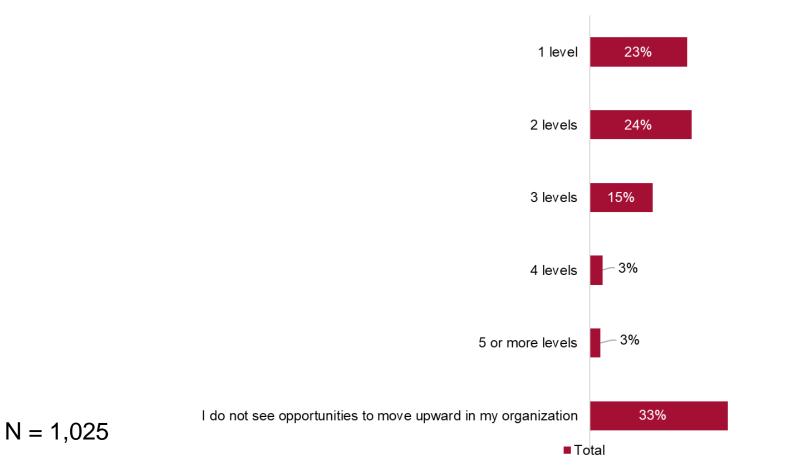
What are the biggest barriers to upward mobility for low-wage workers?





Lack of Career Pathways: Hourly Employees Have no Visibility to Career Progression Pathways







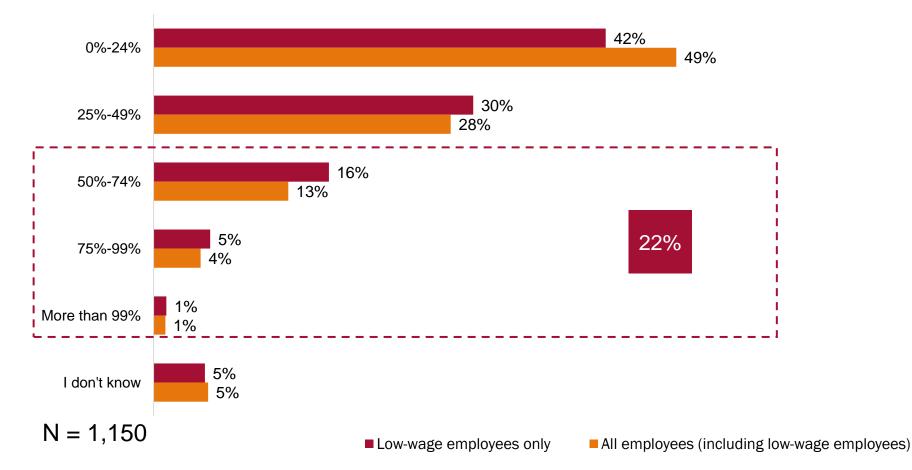
The More Senior the Leaders the Bigger the Gap in Understanding





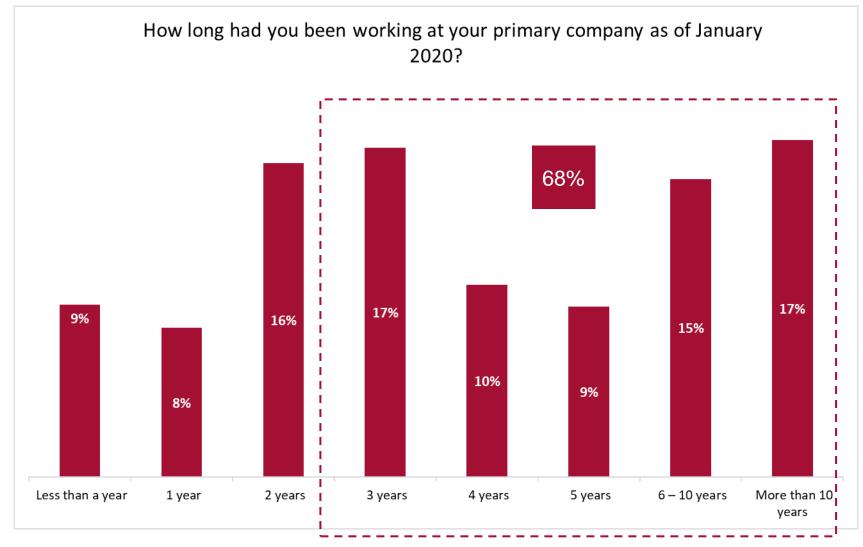
Employers Choose to Believe a High Rate of Churn is a Fact of Life

From January 2019 to January 2020 (the year prior to COVID-19), in your company, what would you estimate were the turnover rates of:





Reality: Low Wage Workers Want to Stay at Their Company



N = 1,025



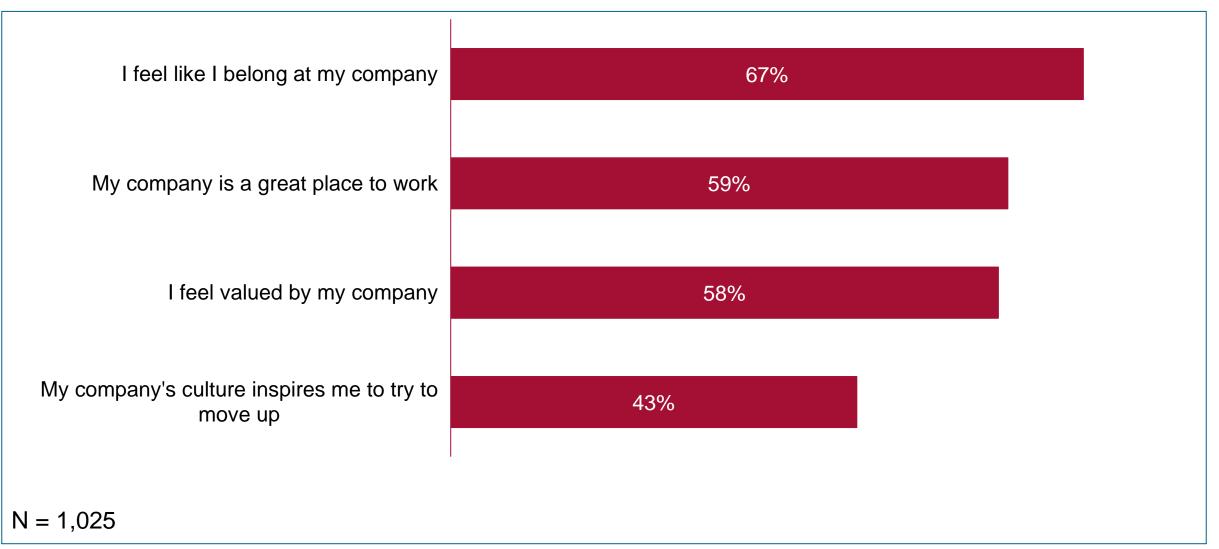
Reality: Workers Want to Move up at Their Current Company

62% want to stay at their company if offered more pay, training, or responsibility



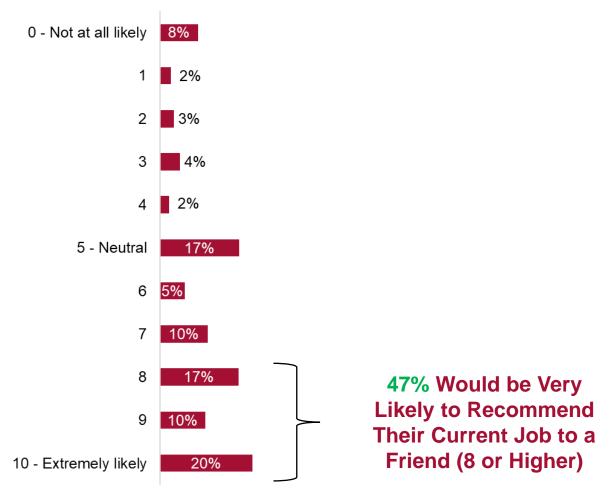
N = 1,025







How likely is it that you would recommend your current job to a friend?

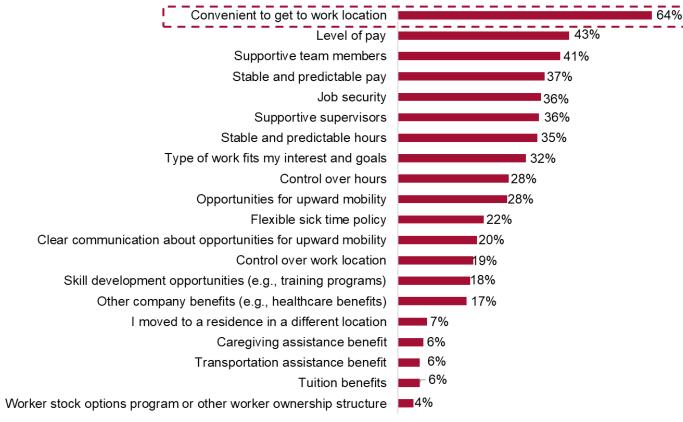


N = 1,025



Hourly Workers Put a High Premium on Location—But Employers Ignore the Importance of Location and Stability

Please select all of the following factors that were important to your decision to move to your primary company as of January 2020 from your previous primary company.



N = 861 (worked at two or more companies in their career)



Employers do not Communicate with Workers about their Personal Circumstances

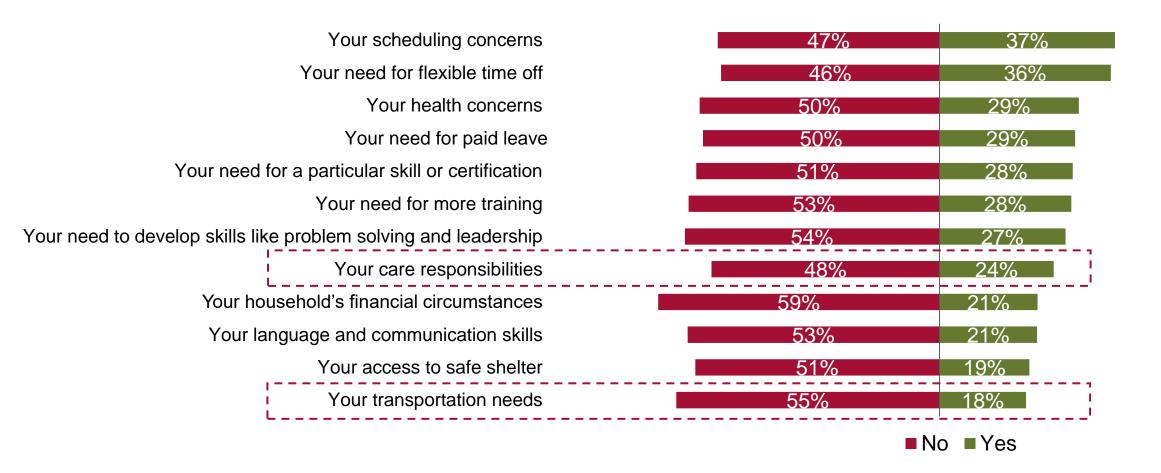
Has your company spoken with you to understand whether this is an issue for you?

37%	47%	Your scheduling concerns	
36%	46%	Your need for flexible time off	
29%	50%	Your health concerns	
29%	50%	Your need for paid leave	
28%	51%	Your need for a particular skill or certification	
28%	53%	Your need for more training	
27%	54%	Your need to develop skills like problem solving and leadership	
24%	48%	Your care responsibilities	
21%	59%	Your household's financial circumstances	
21%	53%	Your language and communication skills	
19%	51%	Your access to safe shelter	
18%	55%	Your transportation needs	



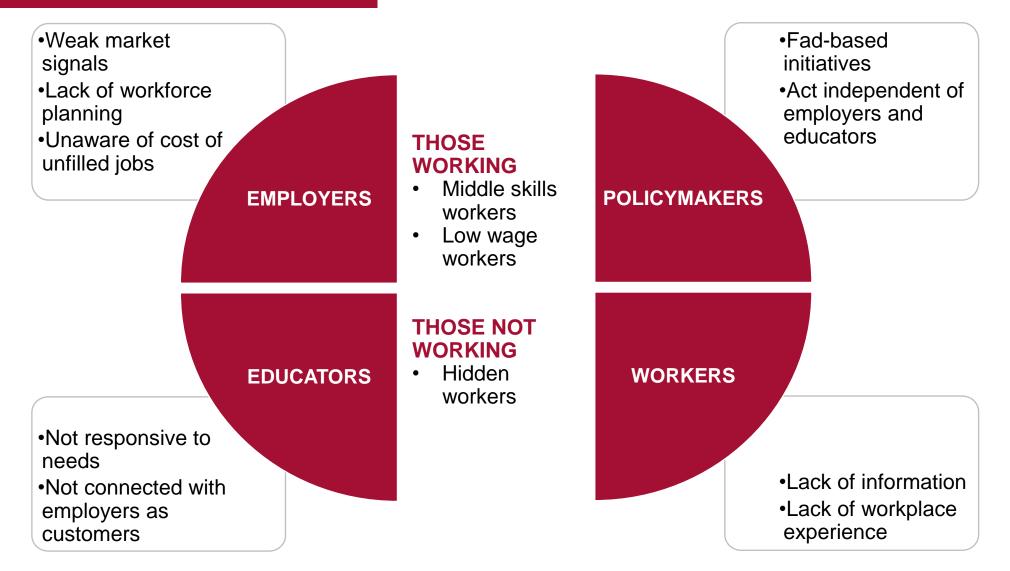
Employers Don't Communicate with Workers About Their Personal Circumstances

Has your company spoken with you to understand whether this is an issue for you?





Who Are Most Vulnerable To These Changes?





WHAT WILL <u>YOU</u> DO ON MONDAY MORNING?