

Kirkwood  
COMMUNITY COLLEGE

ICR IOWA CITY  
IOWA CEDAR RAPIDS

SKILLS 2019

# TALENT FORECAST

## Survey Purpose

Support the design and implementation of regional talent attraction, retention, and development strategies that support our employers' greatest workforce needs.

## Skills 2019 Talent Forecast GOALS

- Understand the **regional hiring demand** and **education/credential requirements** for workforce talent through 2019
- Understand the workforce **talent needs by industry sector**
- Utilize the data to assist economic and workforce partners and **employers respond to the most pressing talent** development issues



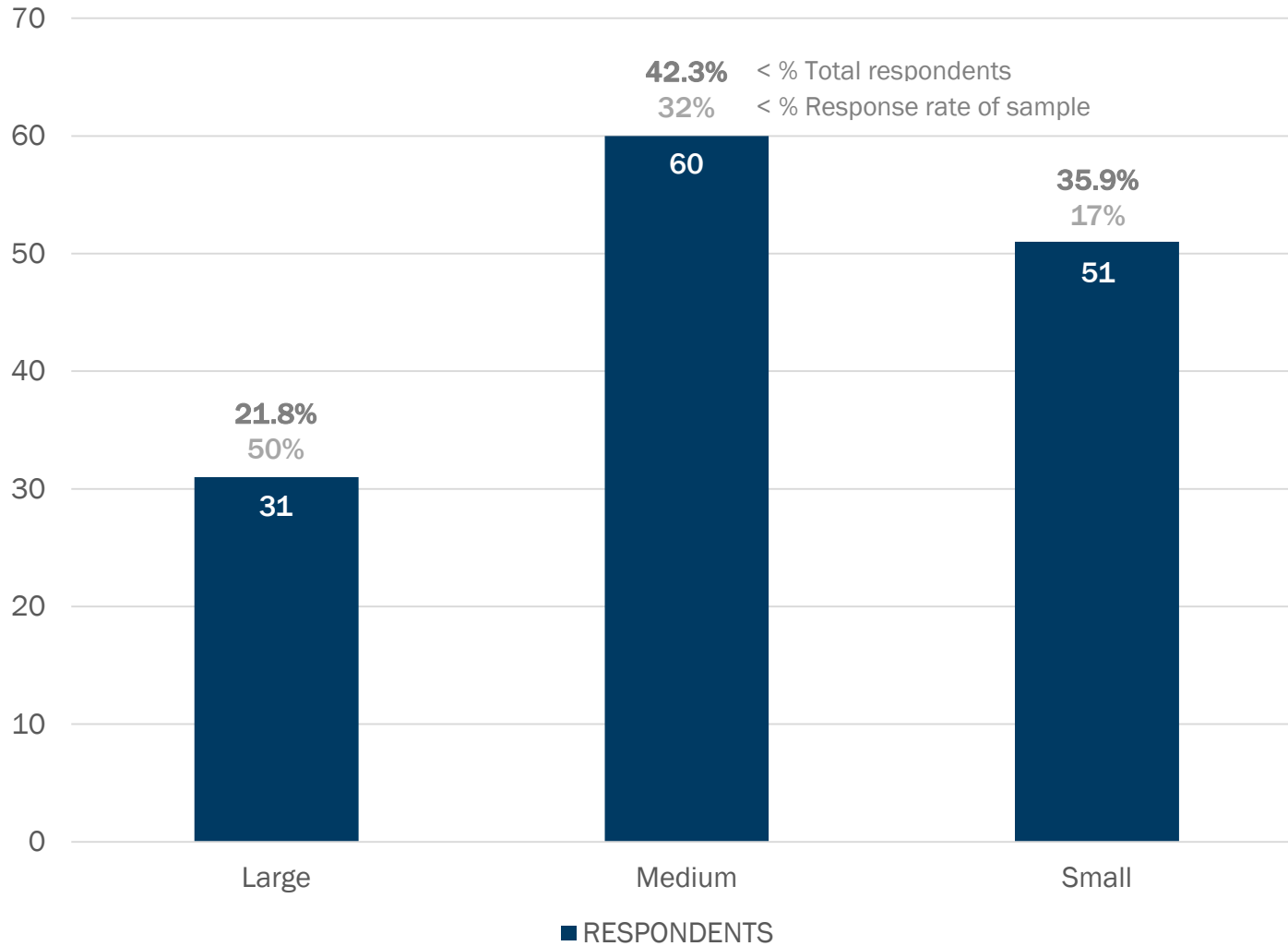
# Skills 2019 TALENT FORECAST

- **142 Employers**
- **5,854 Jobs**
- **3,977 Replacement Jobs**
- **1,877 New Jobs**



**BY  
THE  
NUMBERS**

## Survey Respondents by Business Size

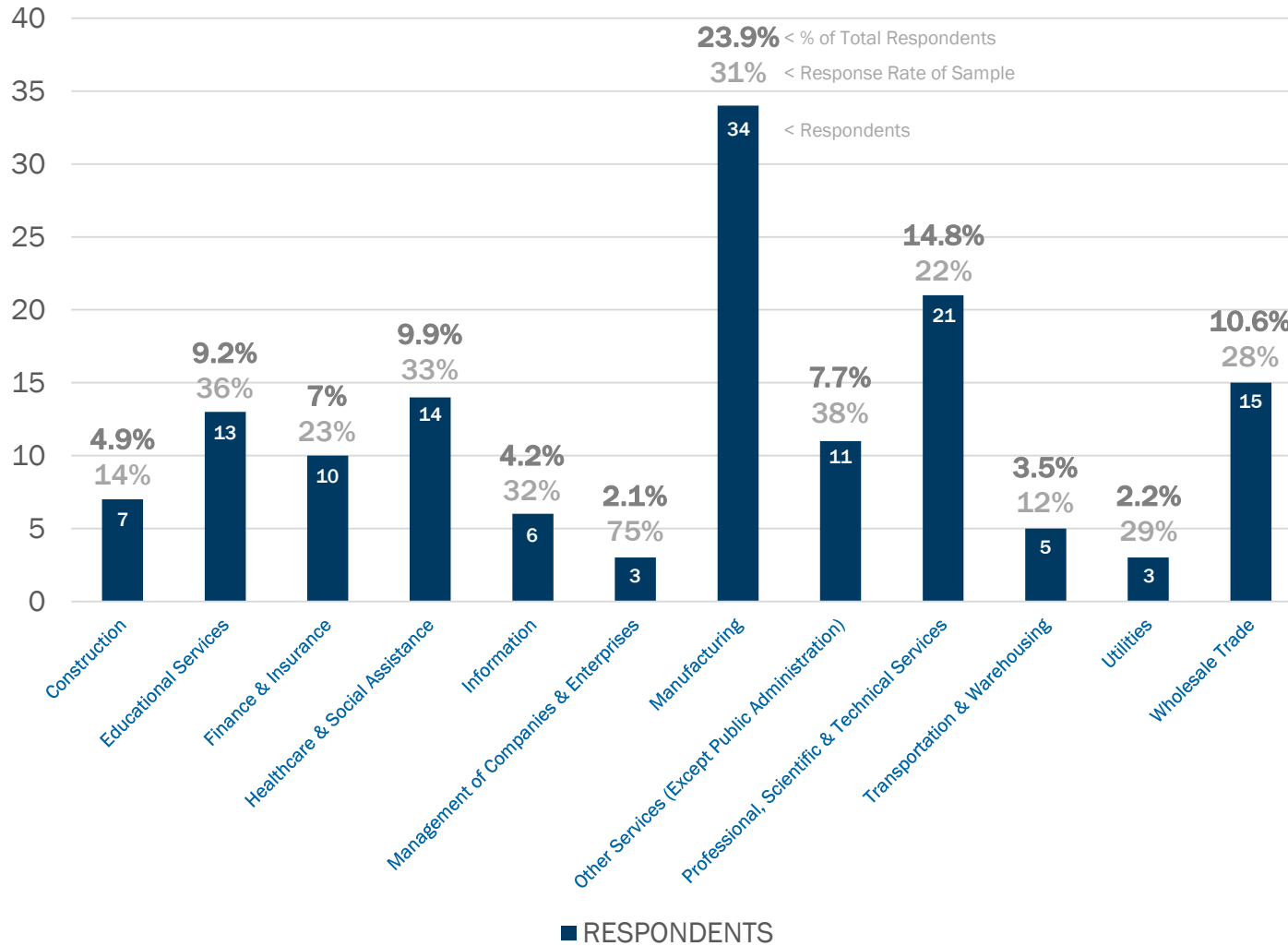


# SURVEY RESPONDENTS

## BY BUSINESS SIZE

Participation by 142 employers in the Skills 2019 Talent Forecast represents a 25 percent response rate. Thirty-one employers representing large businesses (250 employees or more) represents a 50 percent response the highest response rate by business size.

## Survey Respondents by Industry Sector



# SURVEY RESPONDENTS

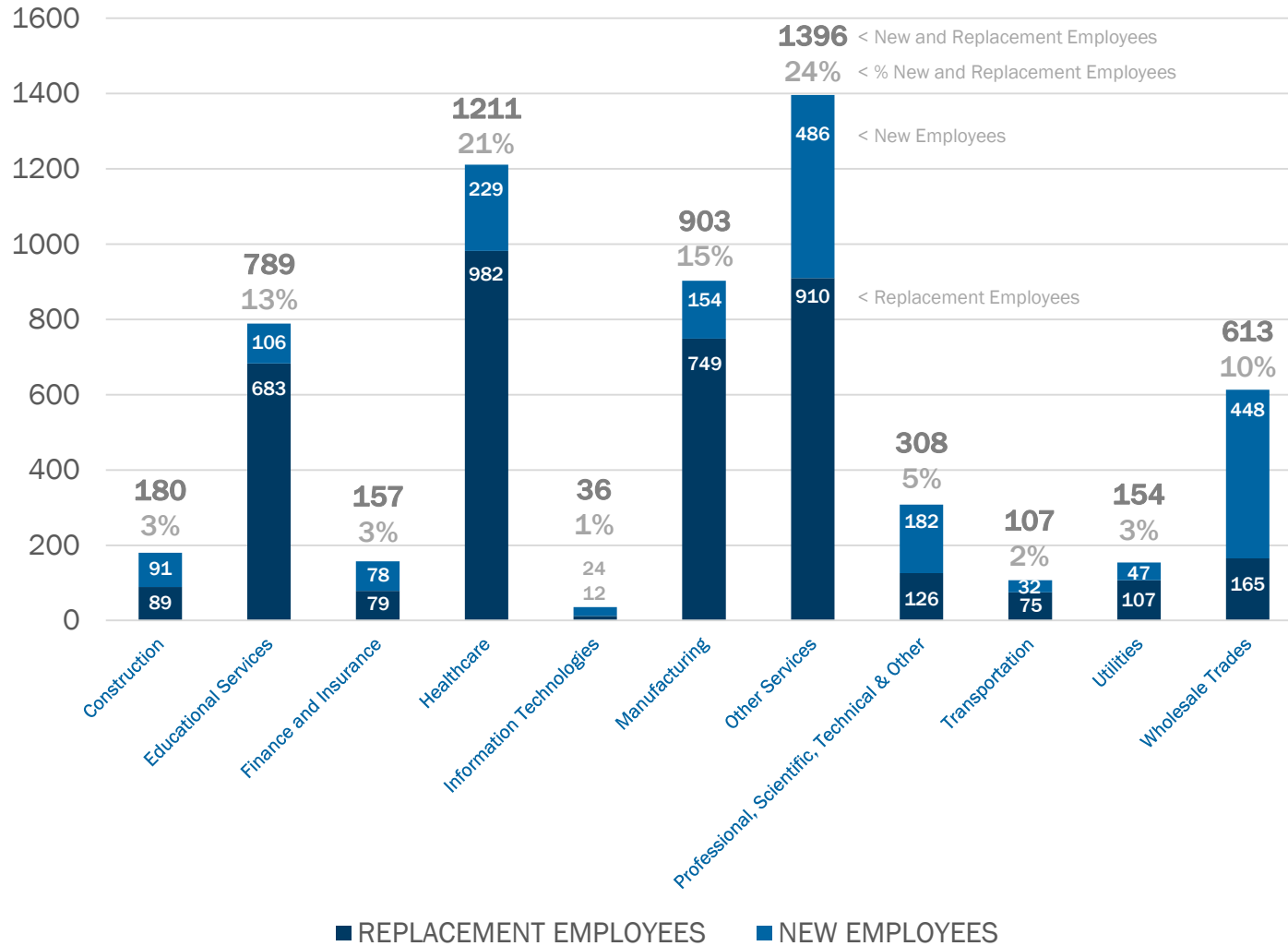
# BY INDUSTRY SECTOR

Purposeful sampling techniques were used to select small, medium and large employers from twelve industry clusters in the ICR Iowa region. These clusters align with the region's career clusters.



# **EMPLOYER WORKFORCE NEEDS: OCCUPATIONS**

## Employer Workforce Needs by Industry Sector



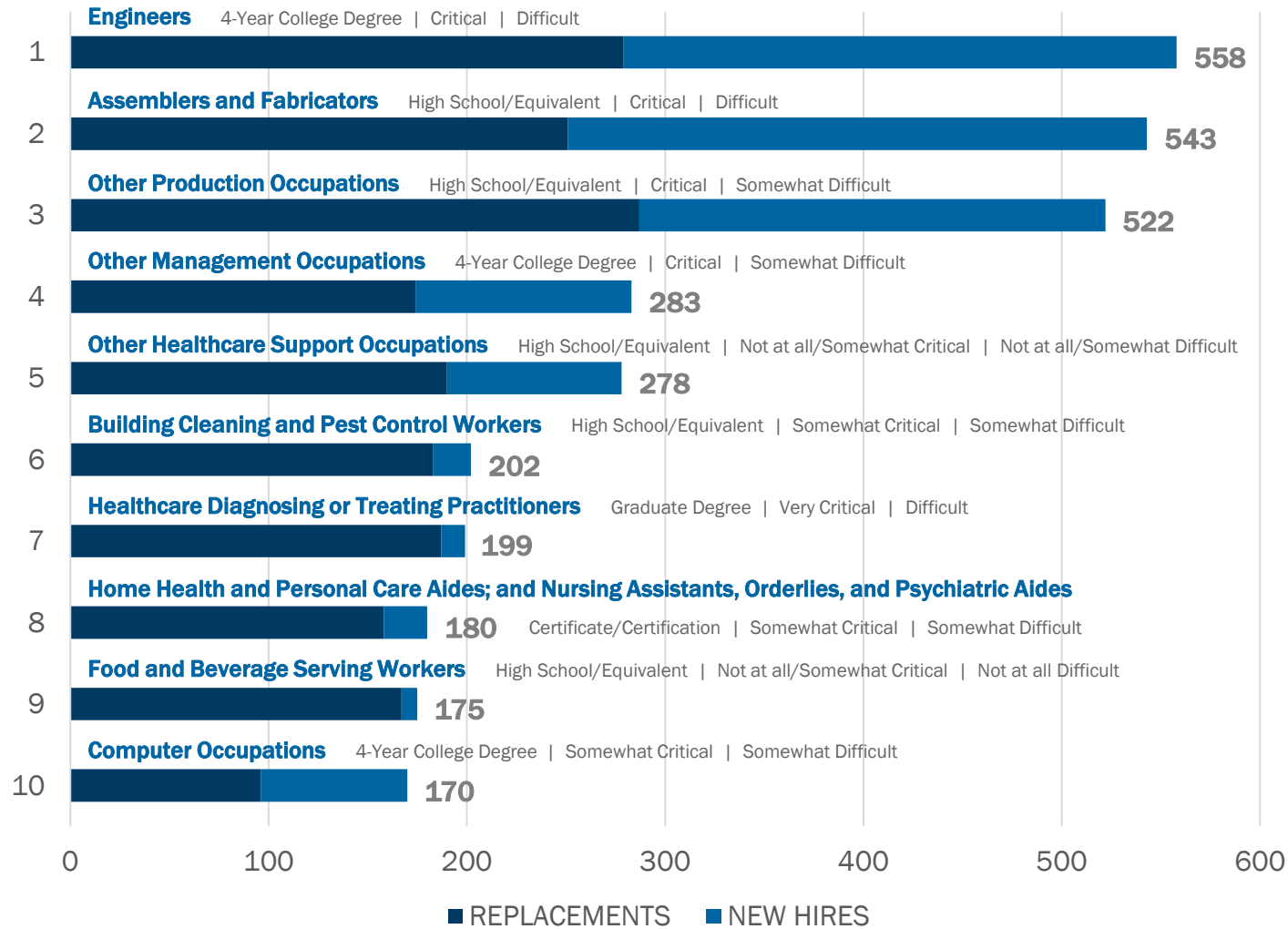
# EMPLOYER WORKFORCE NEEDS

# BY INDUSTRY SECTOR

This chart summarizes anticipated job openings in each of the industry clusters through the year 2019 by anticipated replacement jobs and projected new jobs. The growth in new jobs is projected at 1,877 and total anticipated replacement jobs are projected at 3,977.

The Standard Occupational Group and Classification listing by the US Department of Labor was utilized for employers to record replacement and new position labor projections. Occupational Groups represent occupational classifications that perform common functions.

### Employer Workforce Needs by Occupational Group



# TOP 10 OCCUPATIONAL GROUPS

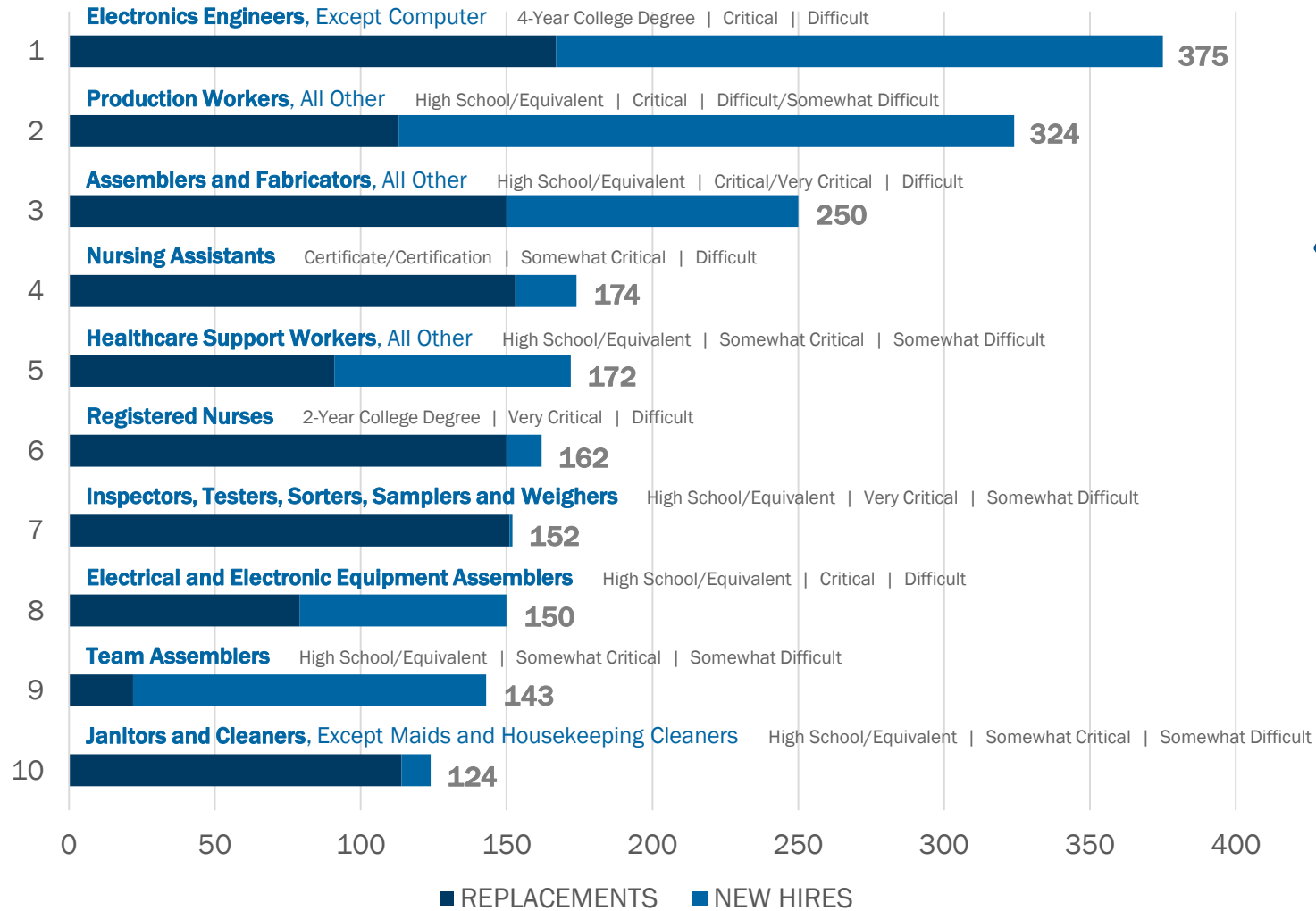
- >Occupation Group
- >Minimum Education
- >Critical to Business
- >Difficulty to Hire

Median Required Education | Median Criticalness | Median Difficulty  
 Median was calculated from previous list of medians, so measure technically represents the median of the median.



Occupational classifications represent the concept of a job, defined as a set of tasks to be performed by an individual, and commonly identified by a job title. Electronics Engineers represent the largest occupational classification for new and replacement workers (55% and 45%), with a larger percentage of production workers jobs are new positions at 65 percent.

### Employer Workforce Needs by Occupation Classification



# TOP 10 OCCUPATIONS

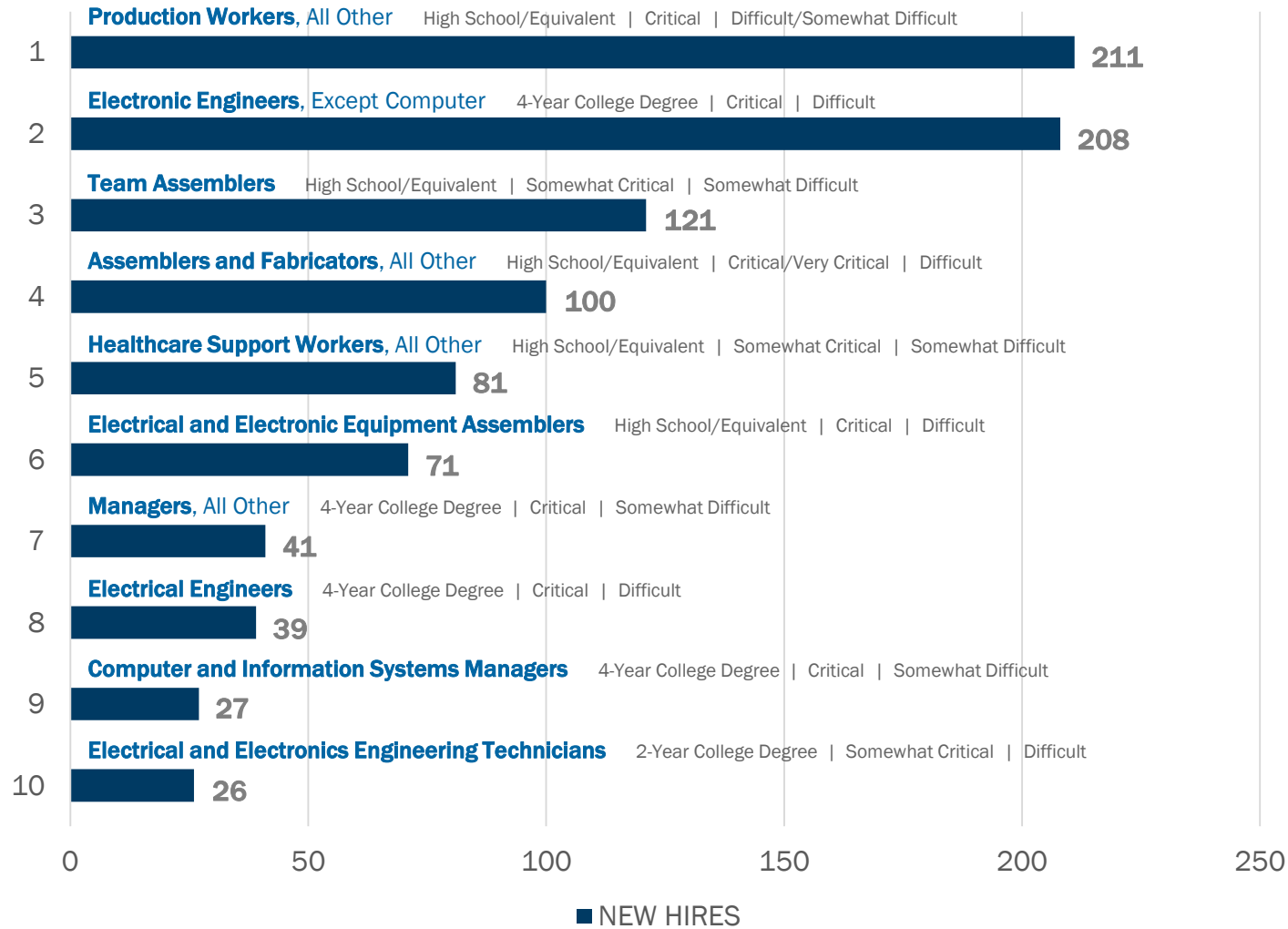
- > Occupation Classification
- > Minimum Education
- > Critical to Business
- > Difficulty to Hire

Median Required Education | Median Criticalness | Median Difficulty

Median was calculated from previous list of medians, so measure technically represents the median of the median.

Eleven percent of new positions in the region will be needed in the manufacturing industry for Production Workers followed closely by Electronic Engineers. New positions are represented in the STEM industries of manufacturing, healthcare, and information technology.

### Employer Workforce Needs by Occupation Classification



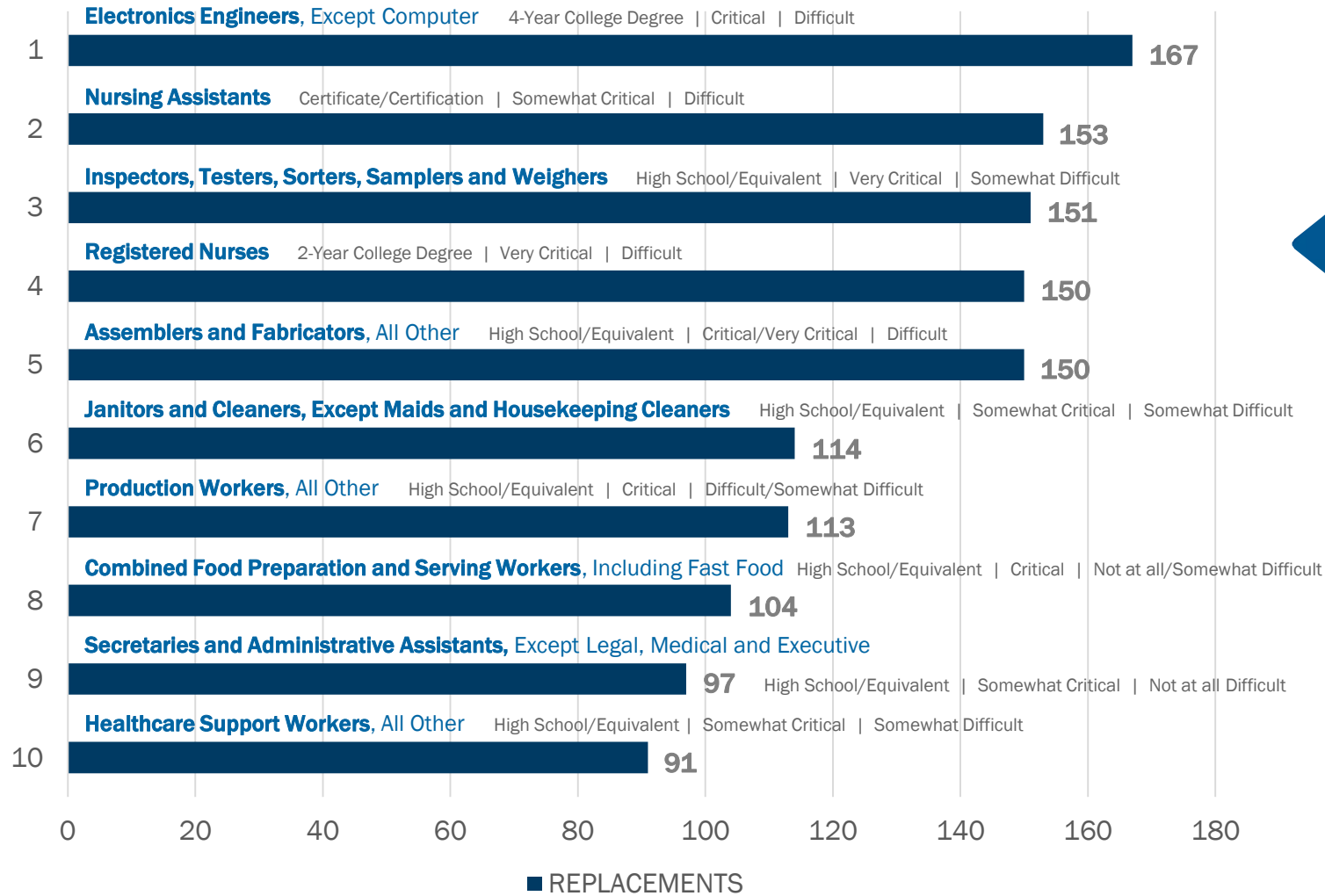
**TOP 10  
OCCUPATIONAL  
CLASSES**

**NEW  
POSITIONS**

Median Required Education | Median Criticalness | Median Difficulty  
 Median was calculated from previous list of medians, so measure technically represents the median of the median.

For the top ten replacement occupation classifications, the top five professions represent 59.8 percent of the total replacement positions needed. These classifications represent targeted occupations that may lend themselves to apprenticeship, career pathway, or Earn and Learn education and training delivery models.

### Employer Workforce Needs by Occupation Classification



# TOP 10 OCCUPATIONAL CLASSES

# REPLACEMENT POSITIONS

Median Required Education | Median Criticalness | Median Difficulty

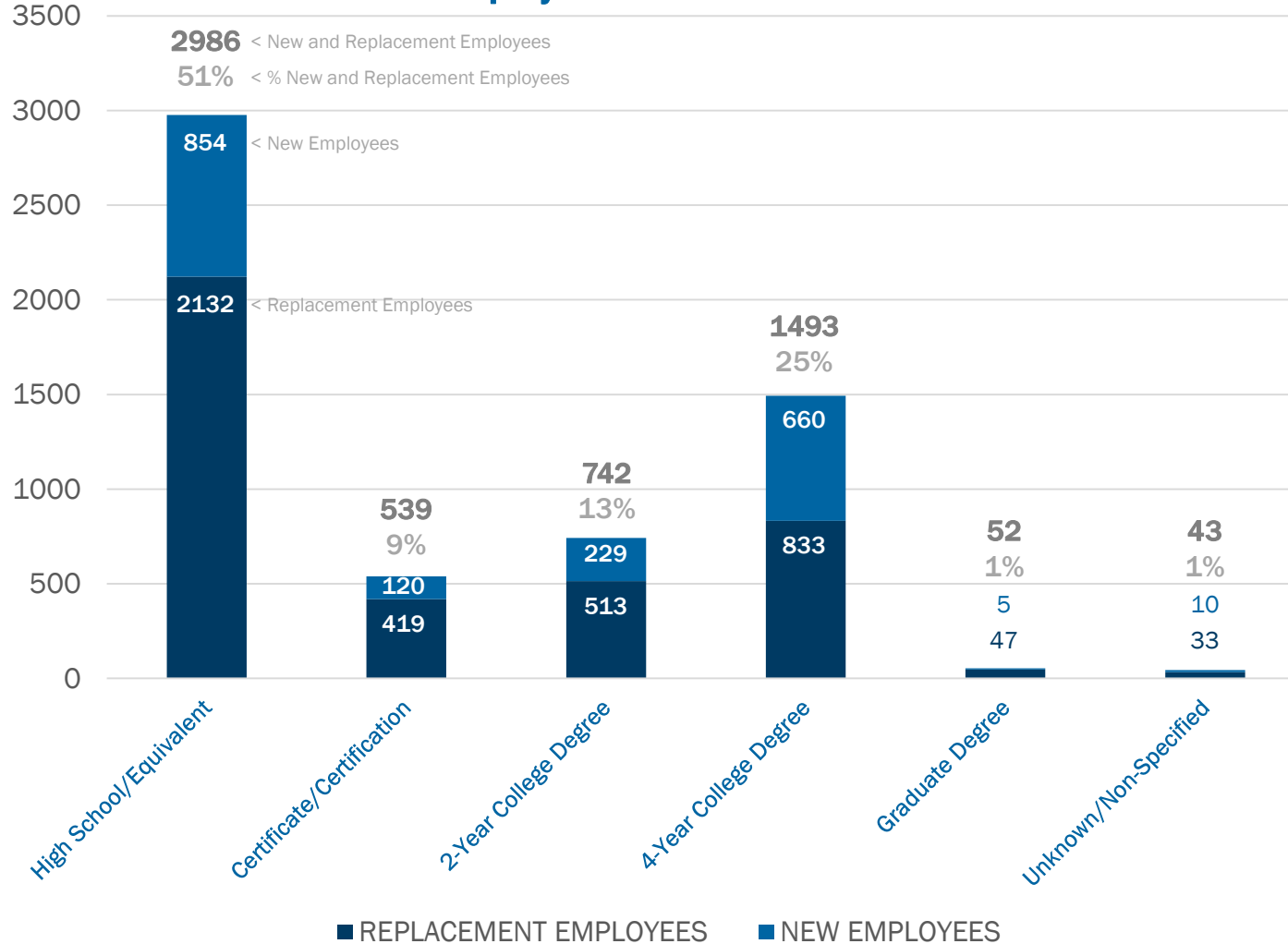
Median was calculated from previous list of medians, so measure technically represents the median of the median.



## **EMPLOYER WORKFORCE NEEDS: EDUCATION**

Employers were asked to provide the educational requirements for replacement and new positions. Forty-nine percent of all projected positions will require education beyond a high school diploma. Forty-six percent of replacement jobs and 55 percent of new jobs require education beyond a high school diploma.

### Employer Workforce Needs

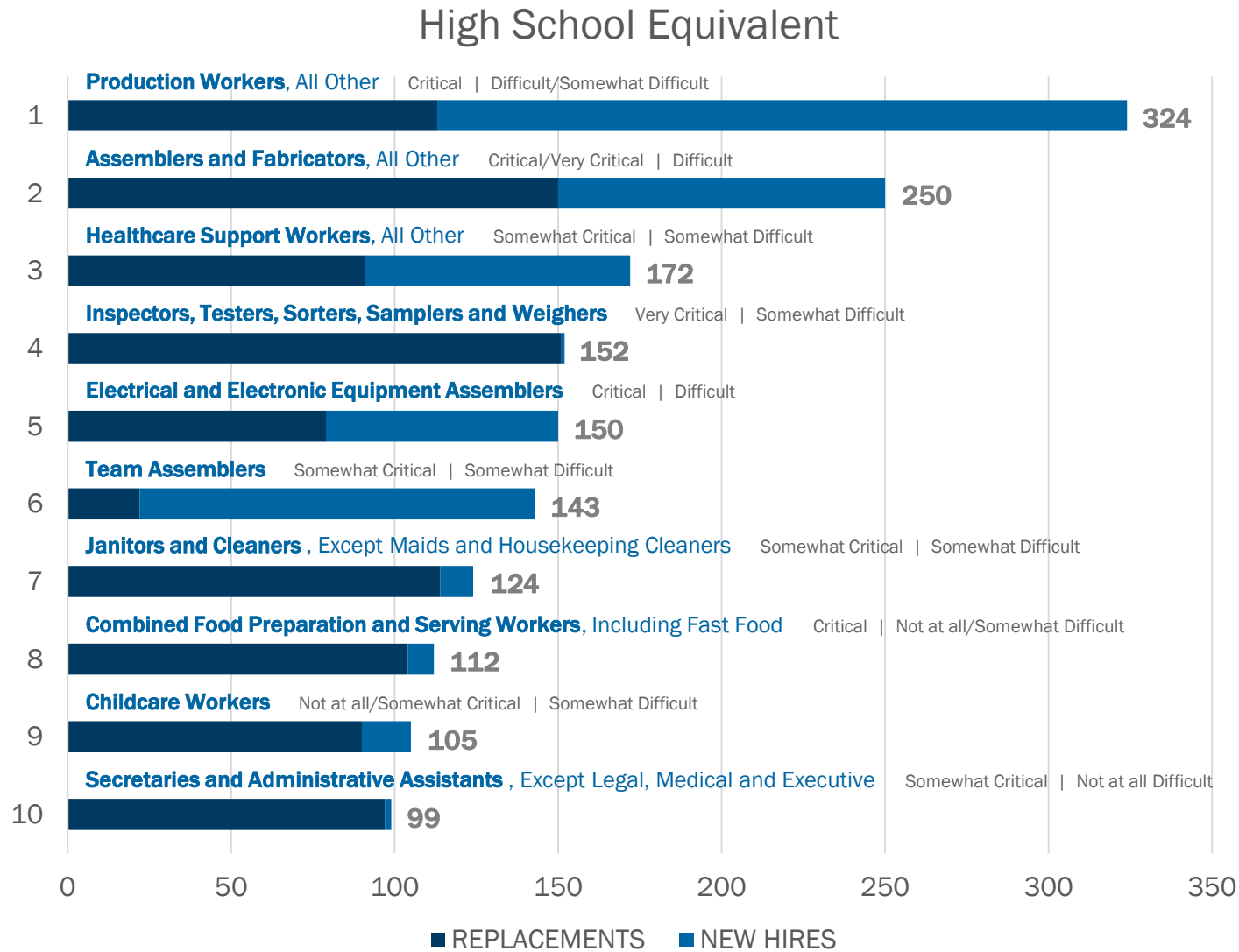


# EMPLOYER WORKFORCE NEEDS

## BY EDUCATION LEVEL

The Skills 2019 Talent Forecast presents a trend for new job growth and replacement positions that require a high school diploma or equivalent. Skills 2019 reports that 51 percent of all projected positions require a high school Diploma or equivalent while the Skills 2014 study reported that 34 percent required a High School diploma. This increased trend for high school minimum education requirements may be a reflection of the current low unemployment rate (2.7%) and the increasingly tight skilled labor market.

For the Top 10 occupations requiring a high school equivalent, 60 percent of the new and replacement positions support the region's manufacturing sector.



# TOP 10 OCCUPATIONS

## HIGH SCHOOL EQUIVALENT

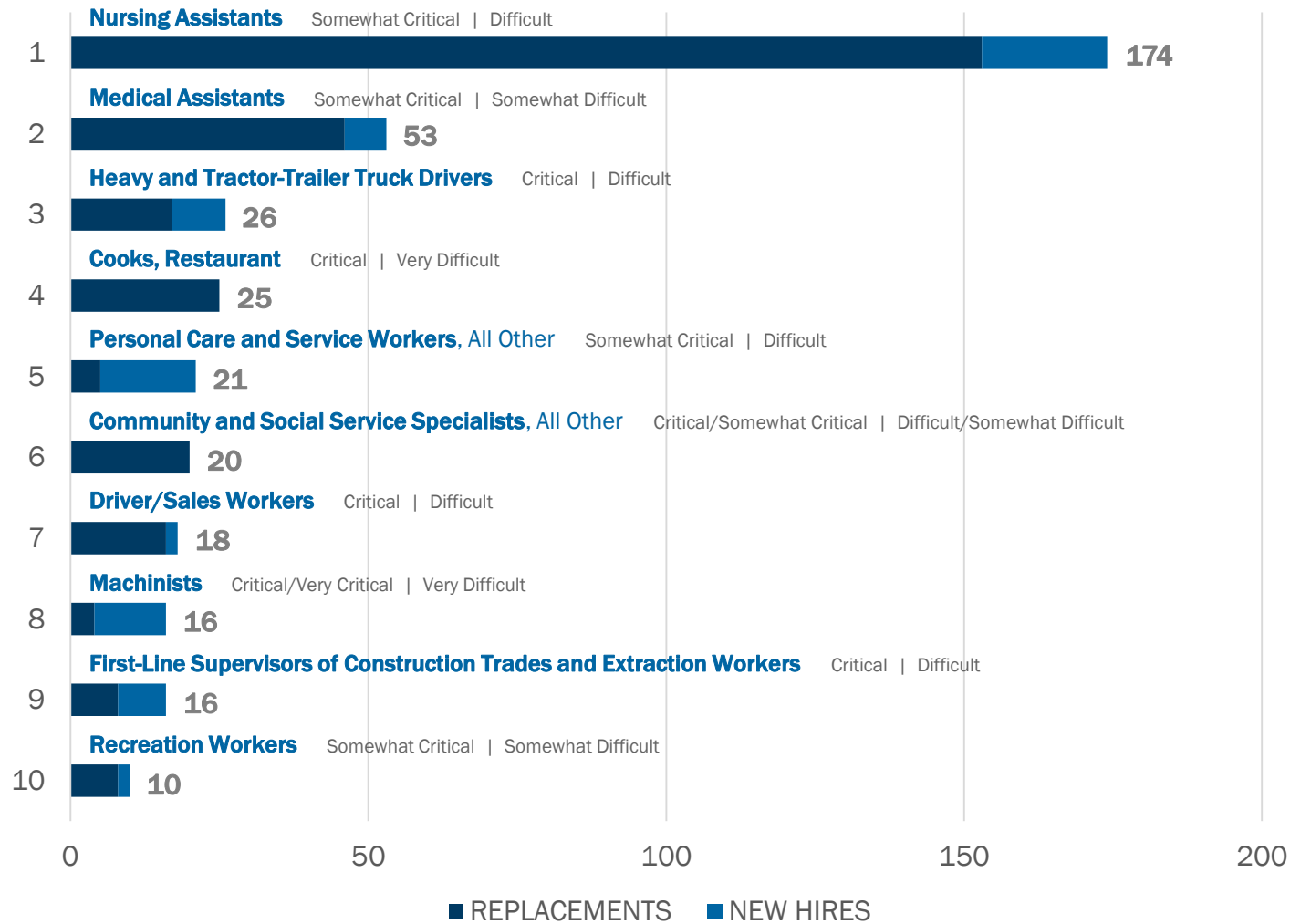
## CRITICAL TO BUSINESS DIFFICULT TO HIRE

Median Criticalness | Median Difficulty

Median was calculated from previous list of medians, so measure technically represents the median of the median.

For the Top 10 occupations requiring post-secondary education beyond a high school degree at the certificate or industry credential level  
Healthcare occupations compose the majority of new and replacement positions.

## Certificate



Median Criticalness | Median Difficulty

Median was calculated from previous list of medians, so measure technically represents the median of the median.

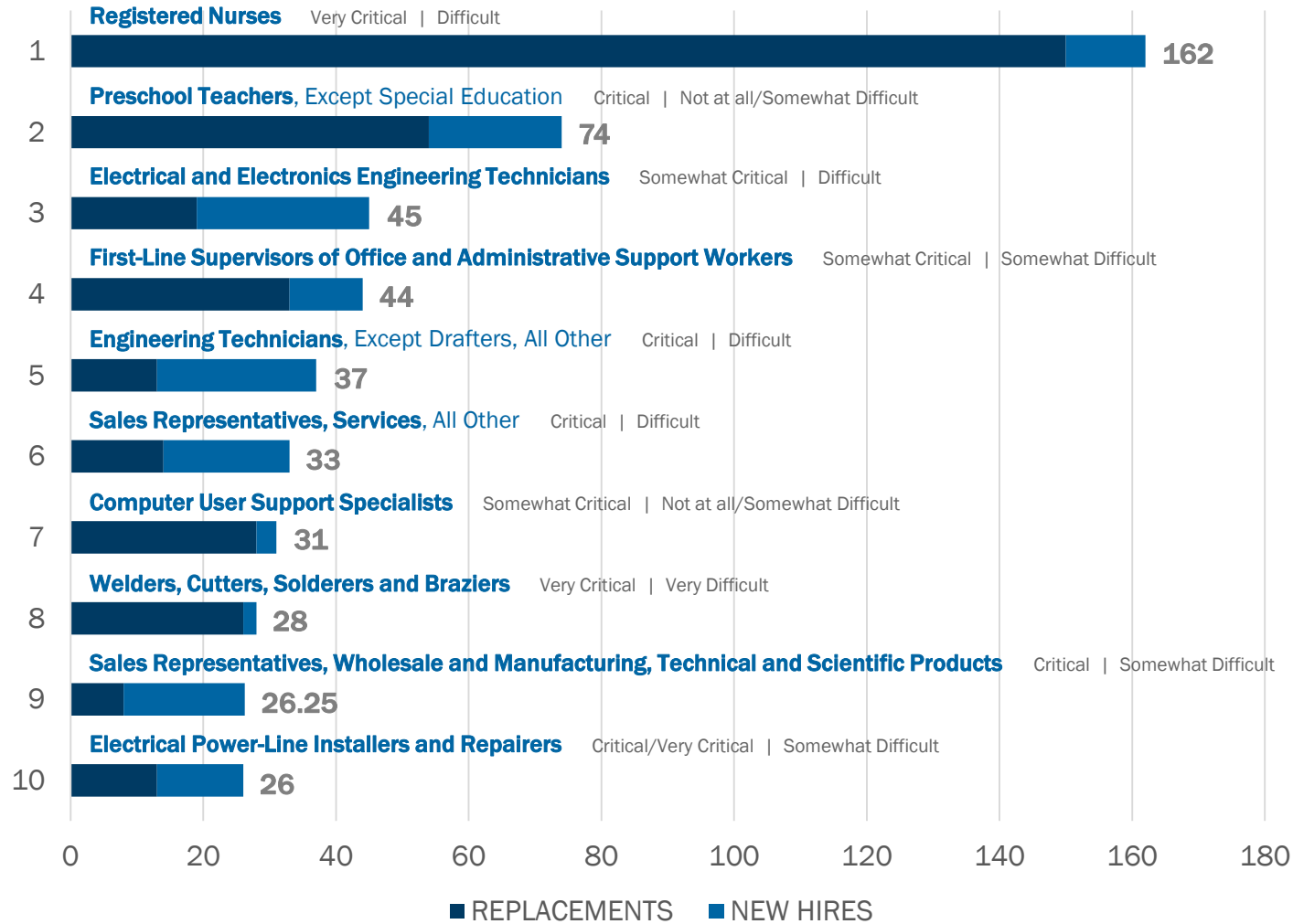
# TOP 10 OCCUPATIONS

## CERTIFICATE/ CREDENTIAL

## CRITICAL TO BUSINESS DIFFICULT TO HIRE

For projected occupations that require a 2-year Associates Degree, 50 percent of the positions are difficult to very difficult to hire at the current time.

## 2-Year College Degree



Median Criticalness | Median Difficulty

Median was calculated from previous list of medians, so measure technically represents the median of the median.

# TOP 10 OCCUPATIONS

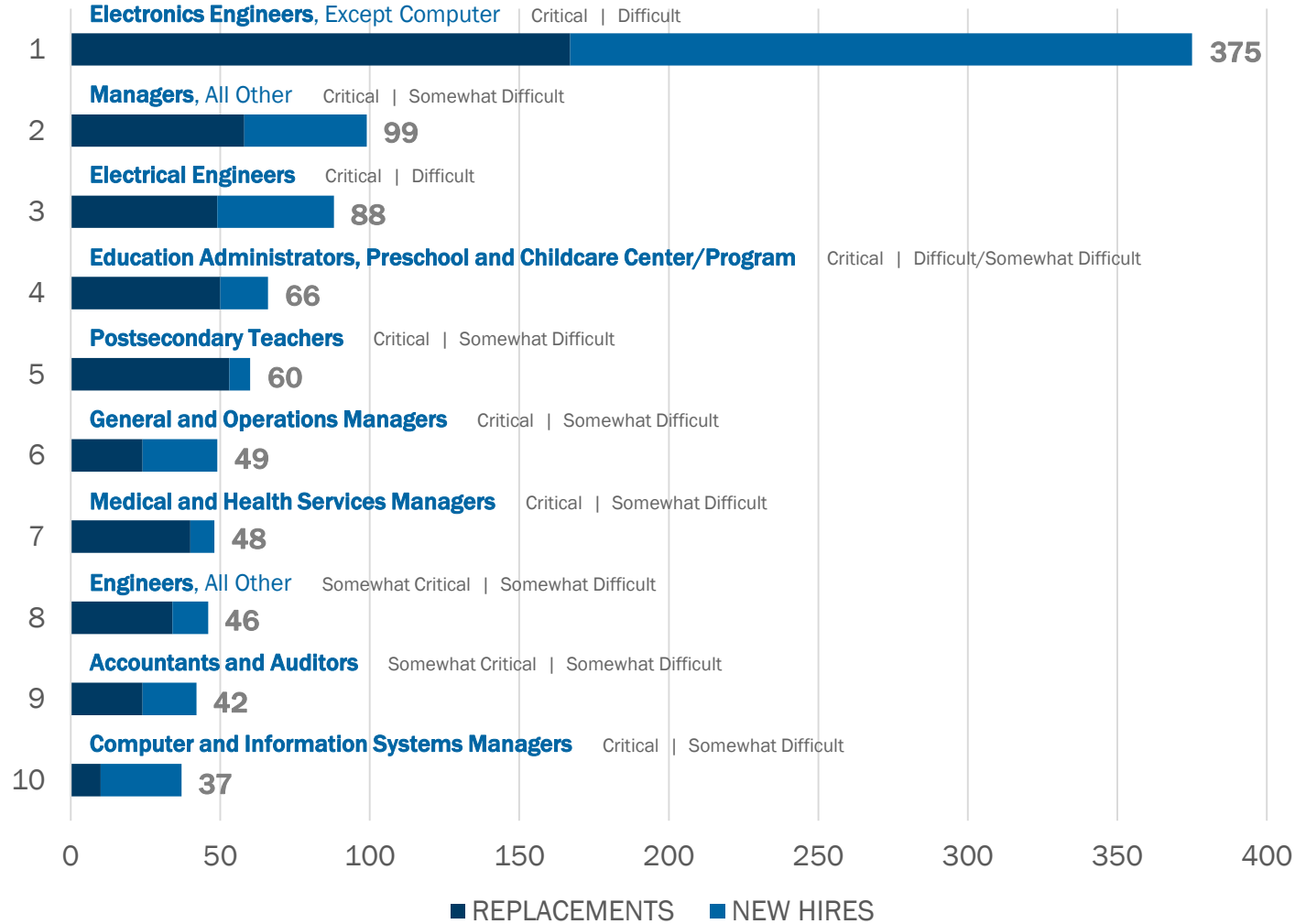
## 2-YEAR COLLEGE DEGREE

### CRITICAL TO BUSINESS DIFFICULT TO HIRE



For projected occupations that require a Bachelors Degree, 20 percent of the positions are difficult to hire at the current time.

## 4-Year College Degree



Median Criticalness | Median Difficulty

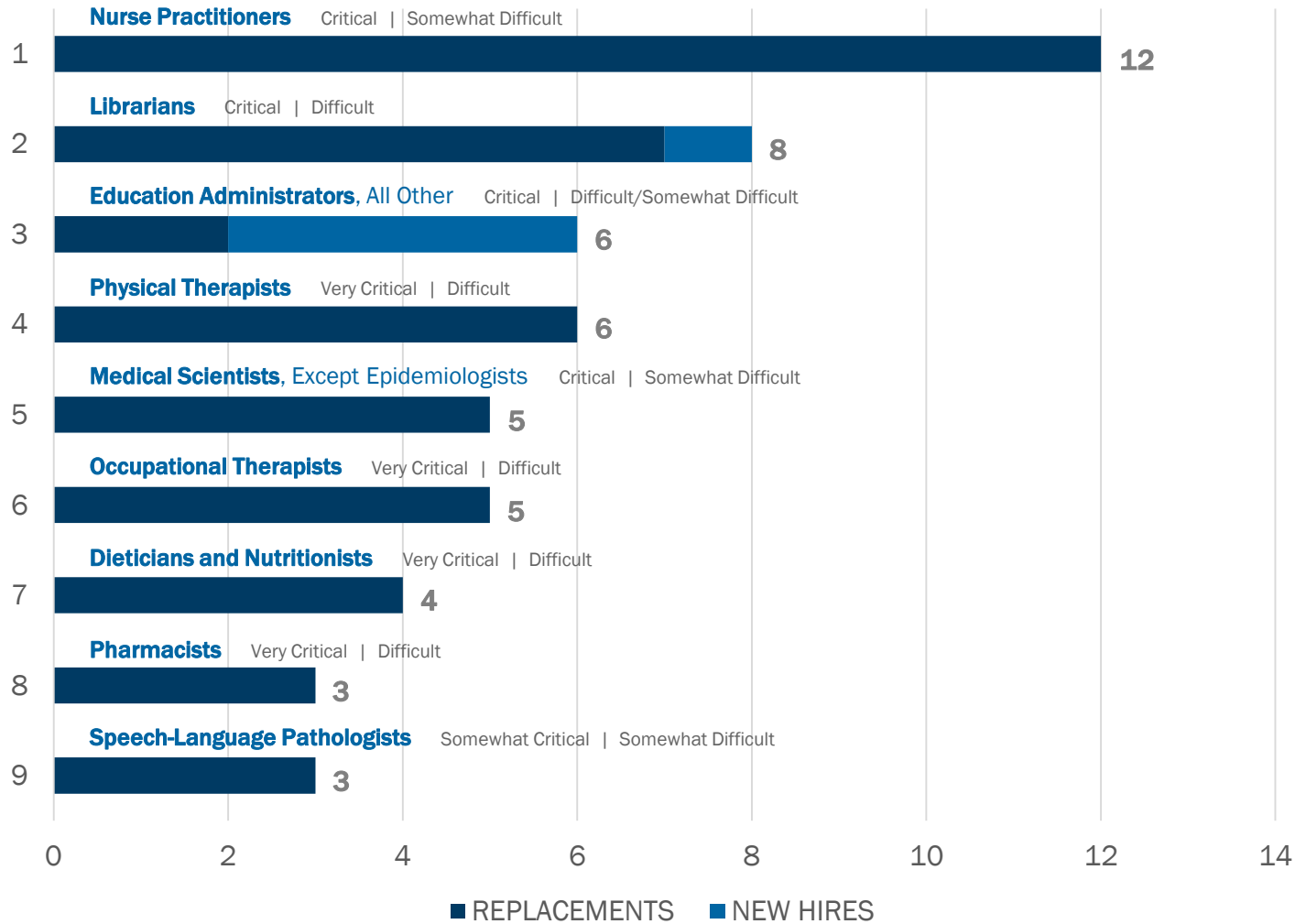
Median was calculated from previous list of medians, so measure technically represents the median of the median.

# TOP 10 OCCUPATIONS

## 4-YEAR COLLEGE DEGREE

### CRITICAL TO BUSINESS DIFFICULT TO HIRE

## Graduate Degree



Median Criticalness | Median Difficulty

Median was calculated from previous list of medians, so measure technically represents the median of the median.

# TOP OCCUPATIONS

## GRADUATE DEGREE

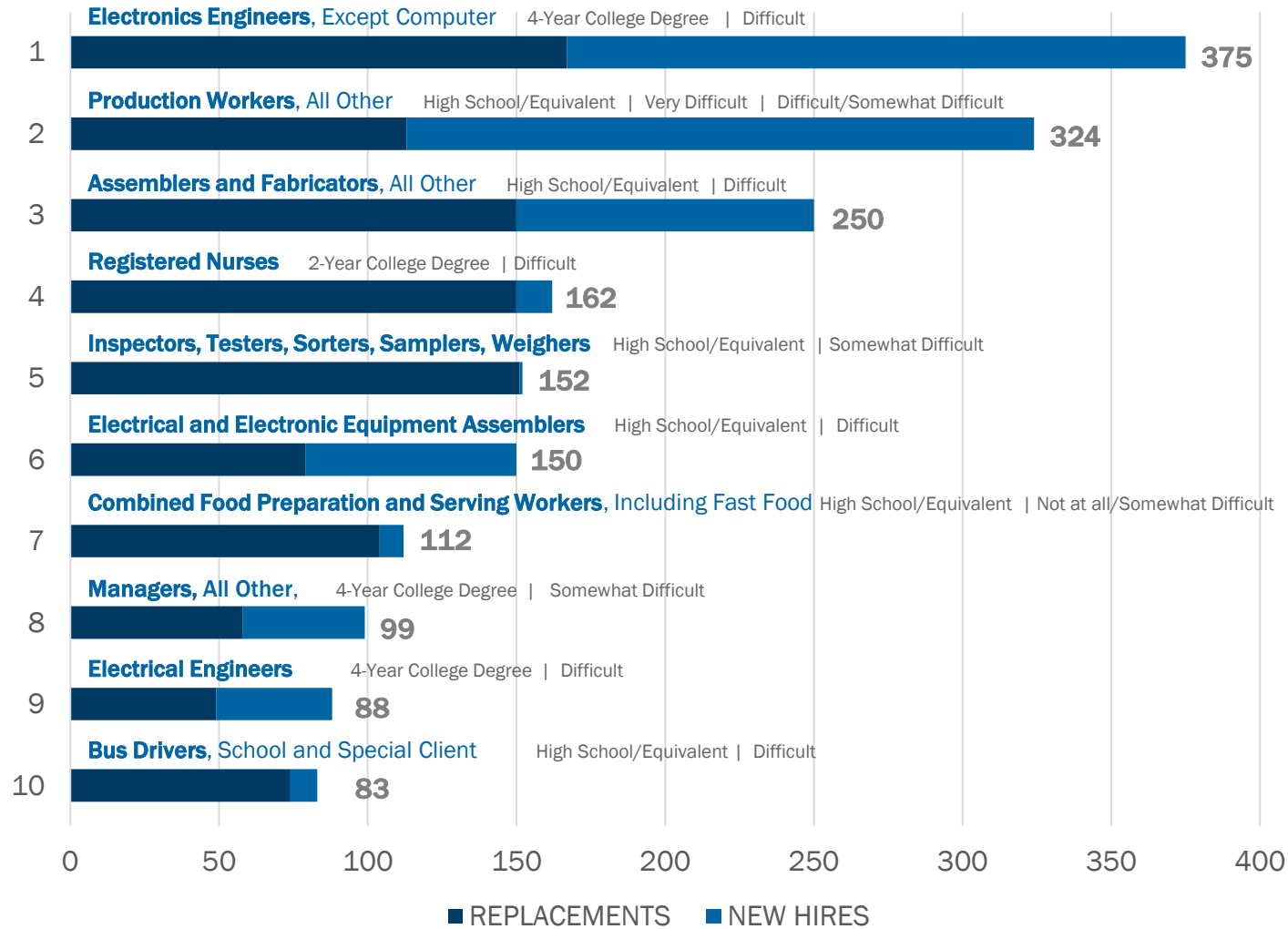
### CRITICAL TO BUSINESS DIFFICULT TO HIRE



# **SKILLS 2019 TALENT FORECAST – HIRING CHARACTERISTICS**

Employers were asked to rate the criticality of the occupation to their business productivity and growth. These are the Top 10 occupations employers rated as most critical to their operations.

## Employer Workforce Needs by Occupation Classification



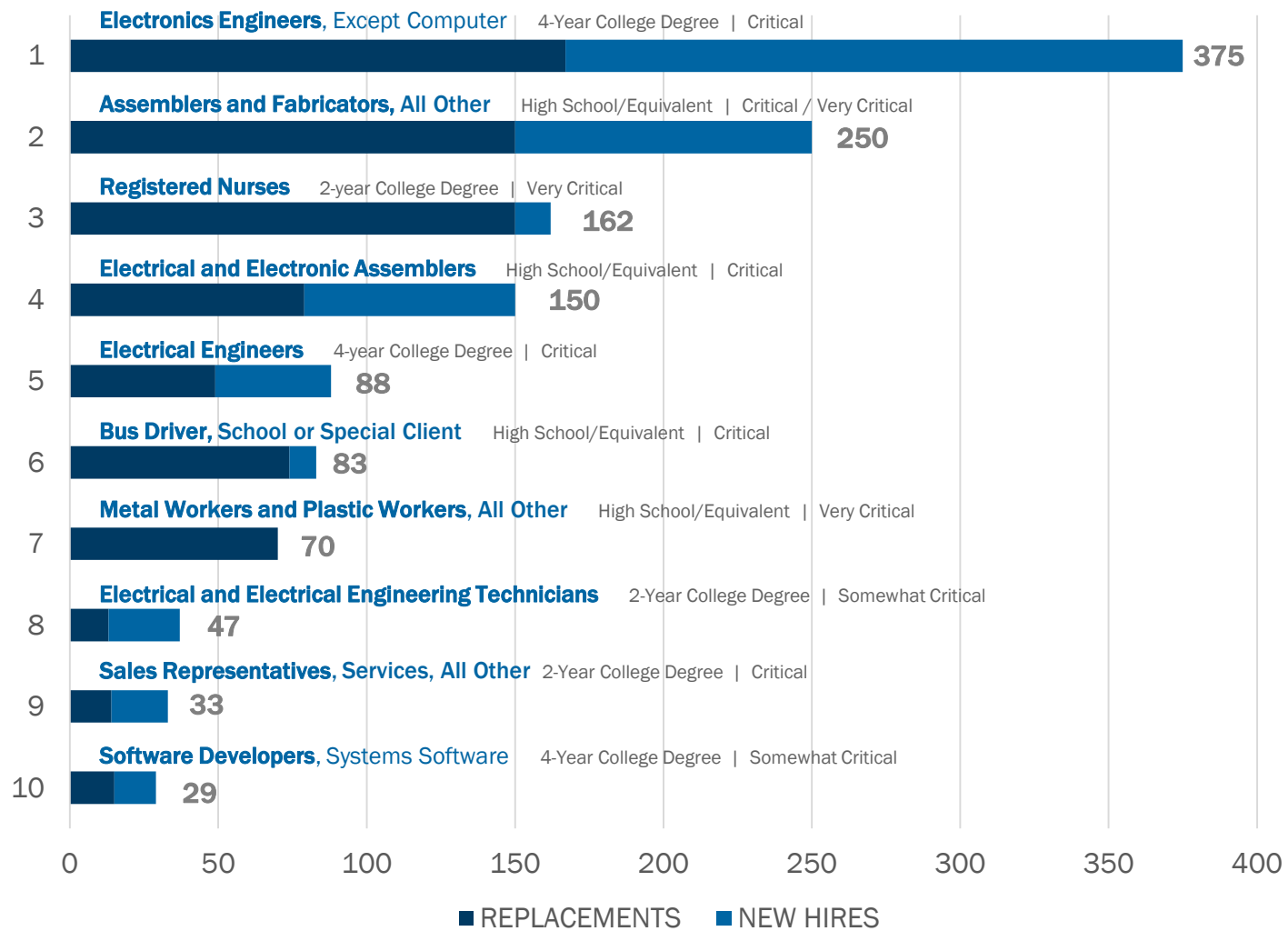
Median Required Education | Difficulty to Hire

# TOP 10 OCCUPATIONS

# MOST CRITICAL TO EMPLOYERS

Employers were asked to rate the difficulty in finding talent to fill available positions for their business. These are the Top 10 occupations employers rated as most difficult to fill open positions. Forty percent of the top 10 occupations are both rated as highly critical to operations and very difficult to fill open positions.

### Employer Workforce Needs by Occupation Classification



**TOP 10  
OCCUPATIONS**

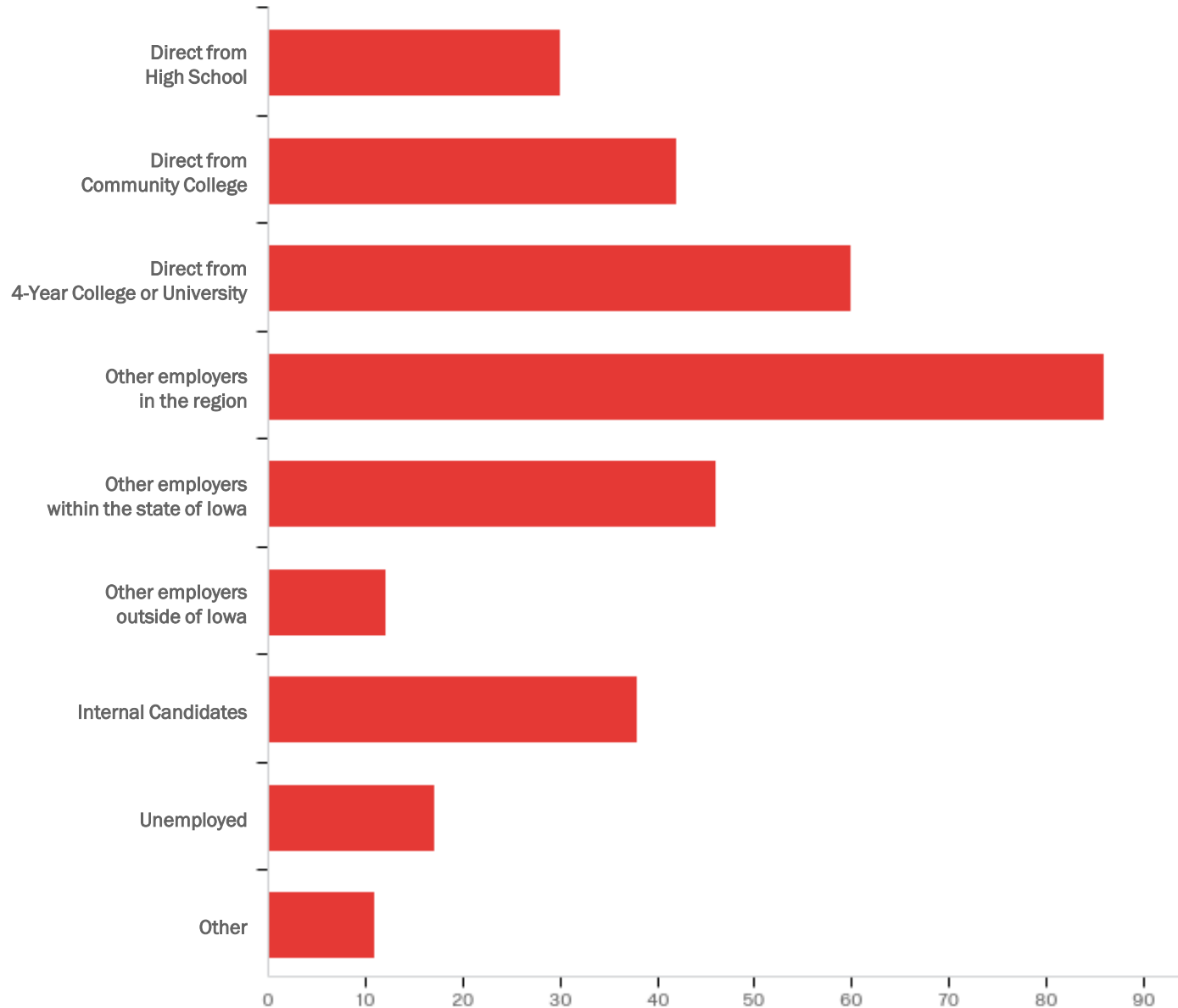
**MOST DIFFICULT  
TO HIRE FOR  
EMPLOYERS**

Minimum Education Level | Criticalness

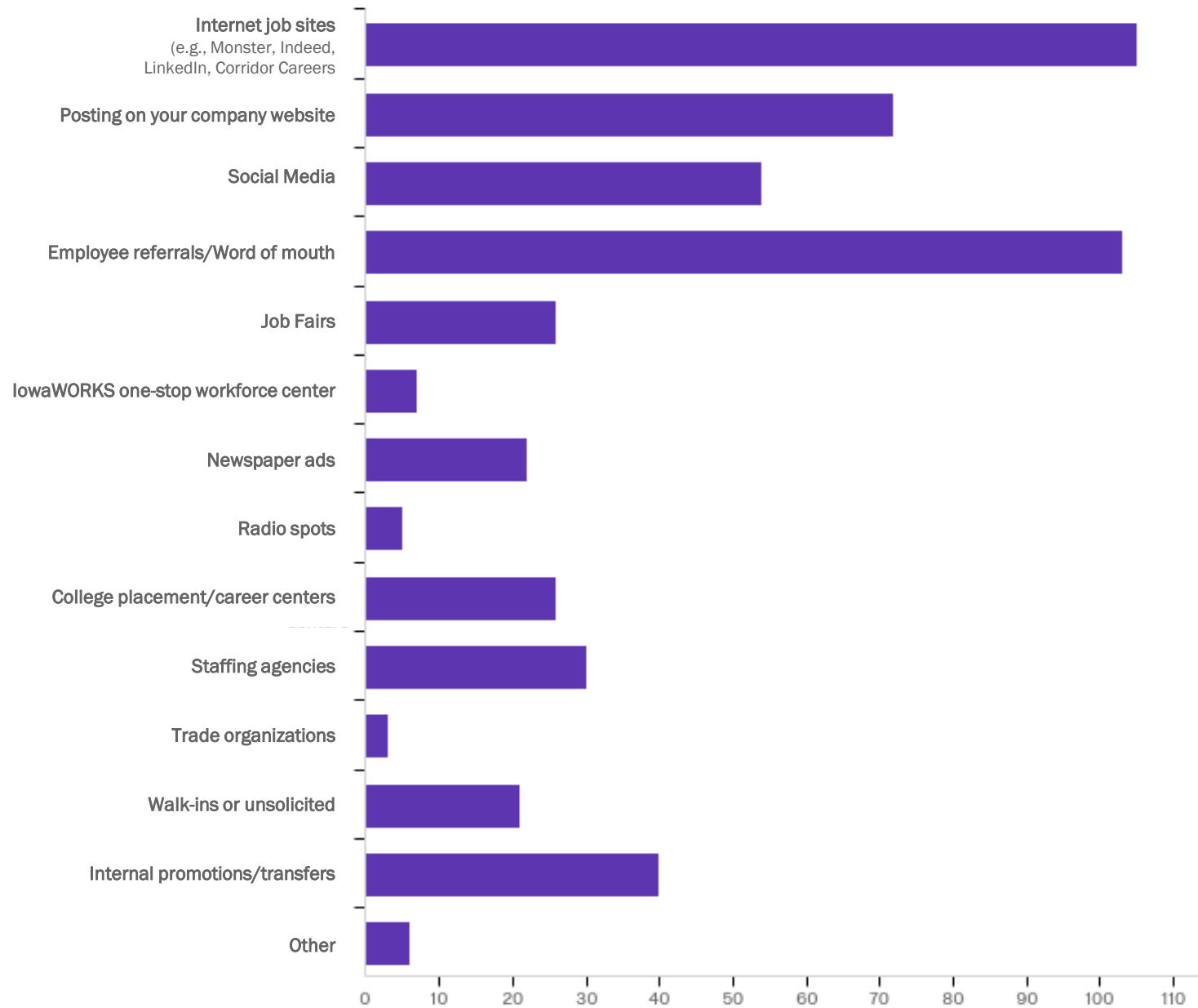
Four difficult to fill and critical to hire: Electronics Engineers, Assemblers and Fabricators, Electrical and Electronic Assemblers, Electrical Engineers



# **SKILLS 2019 TALENT FORECAST – HIRING PATTERNS**



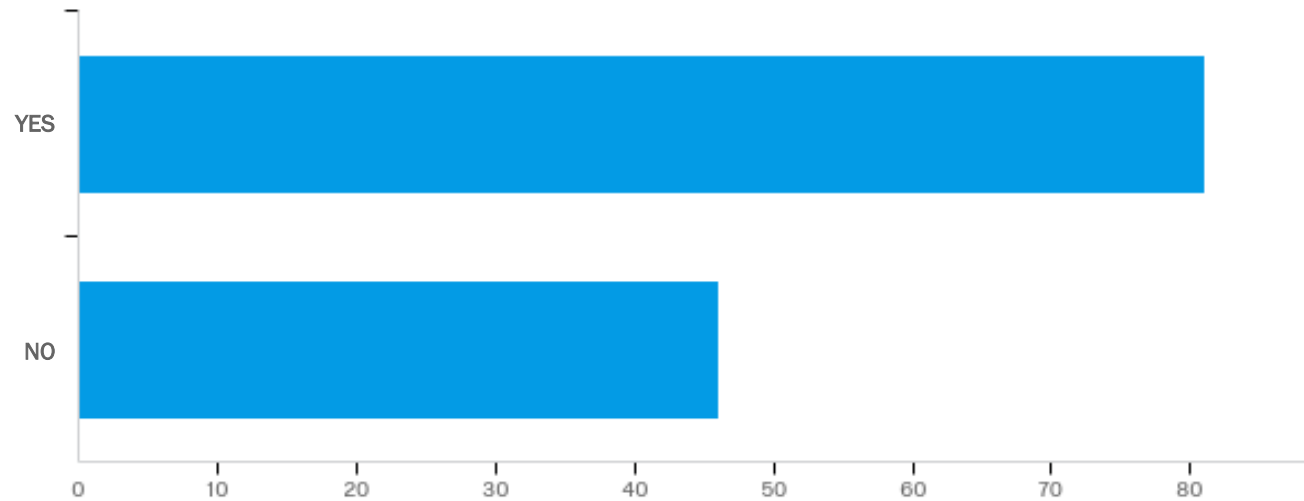
*Where do most of your qualified applicants come from?*

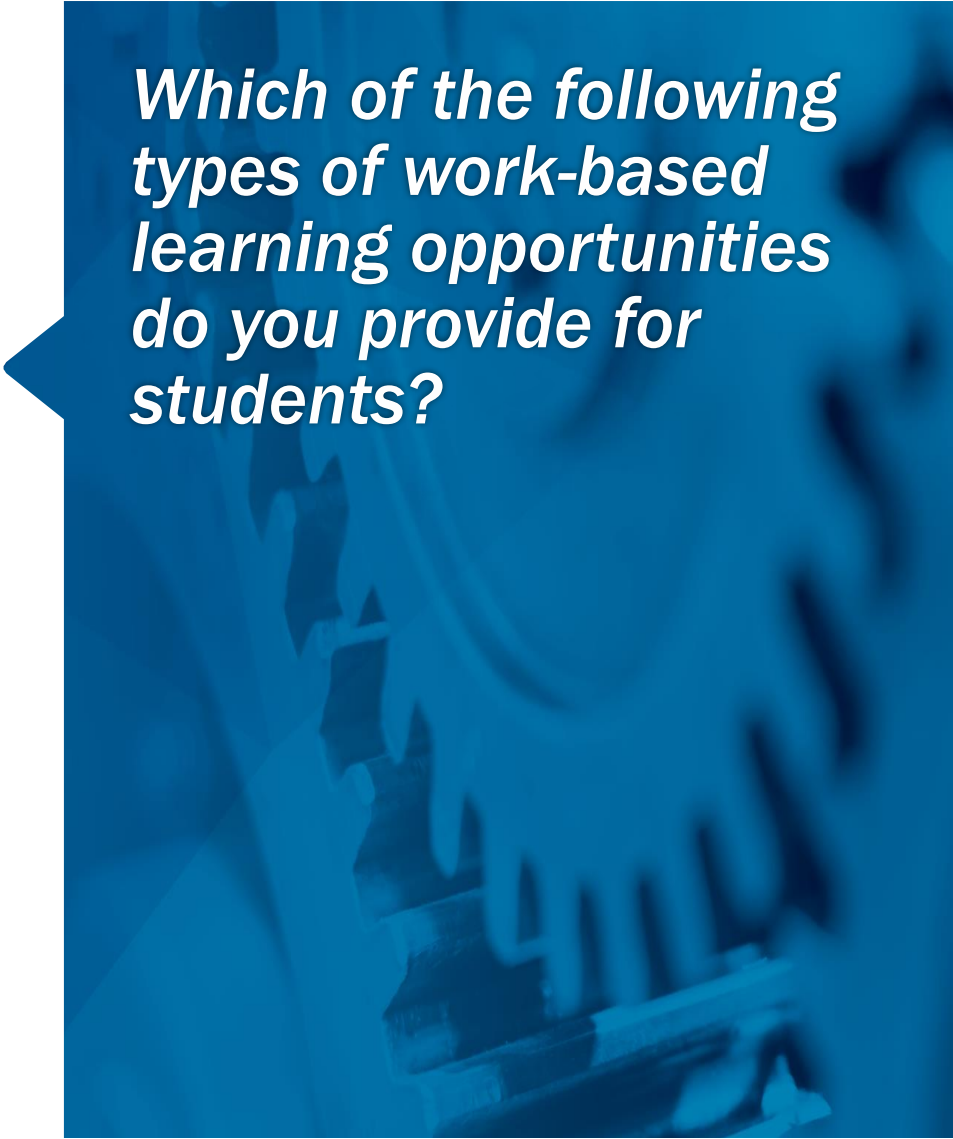


*Over the last two years,  
which of the following  
methods have been  
effective in identifying  
job candidates for your  
organization?*

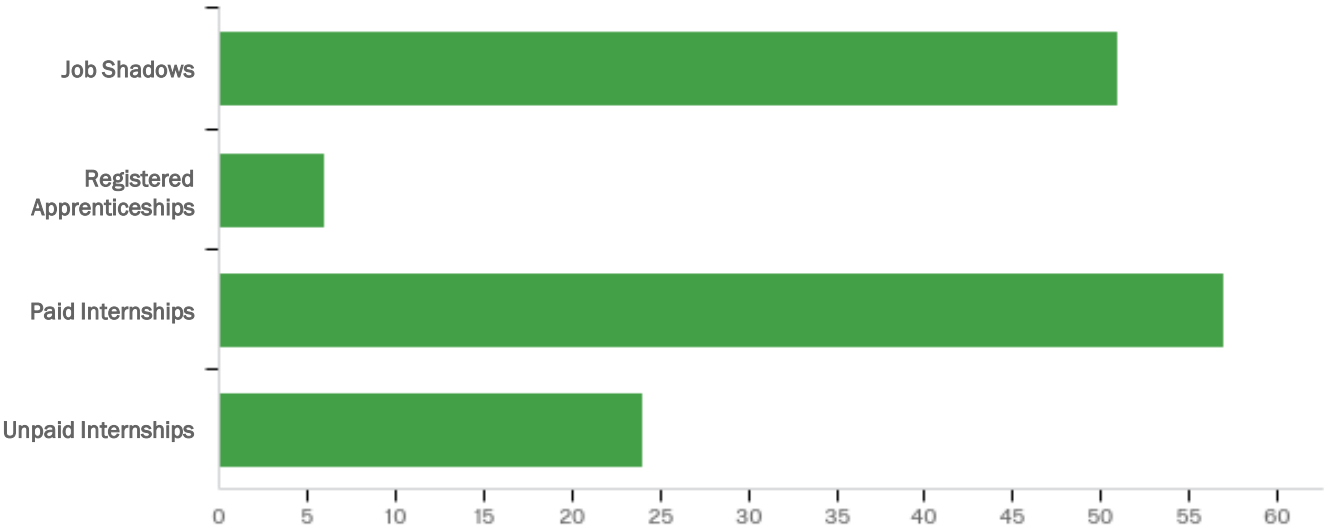


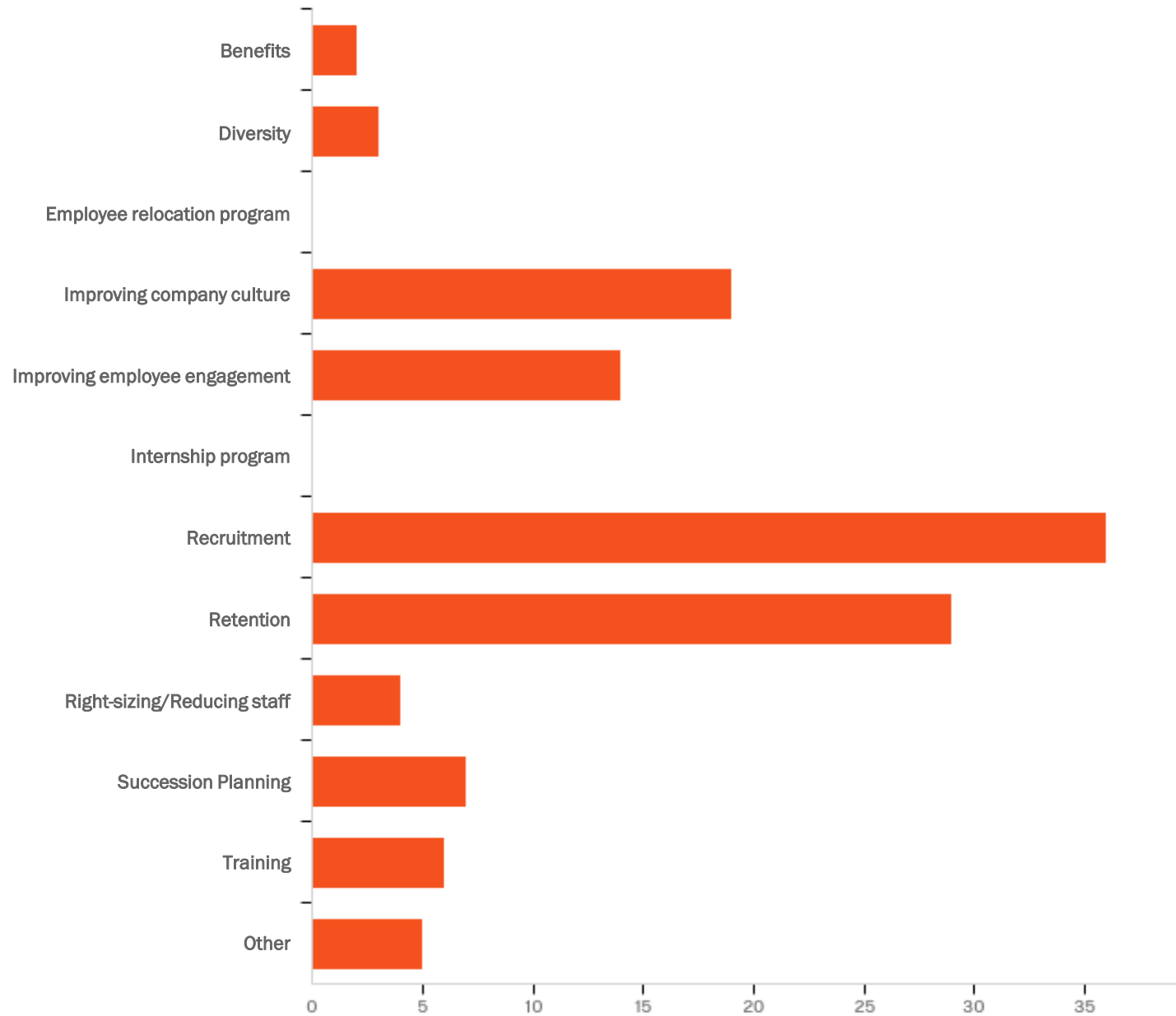
*Do you provide  
work-based learning  
opportunities for  
students?*





*Which of the following types of work-based learning opportunities do you provide for students?*

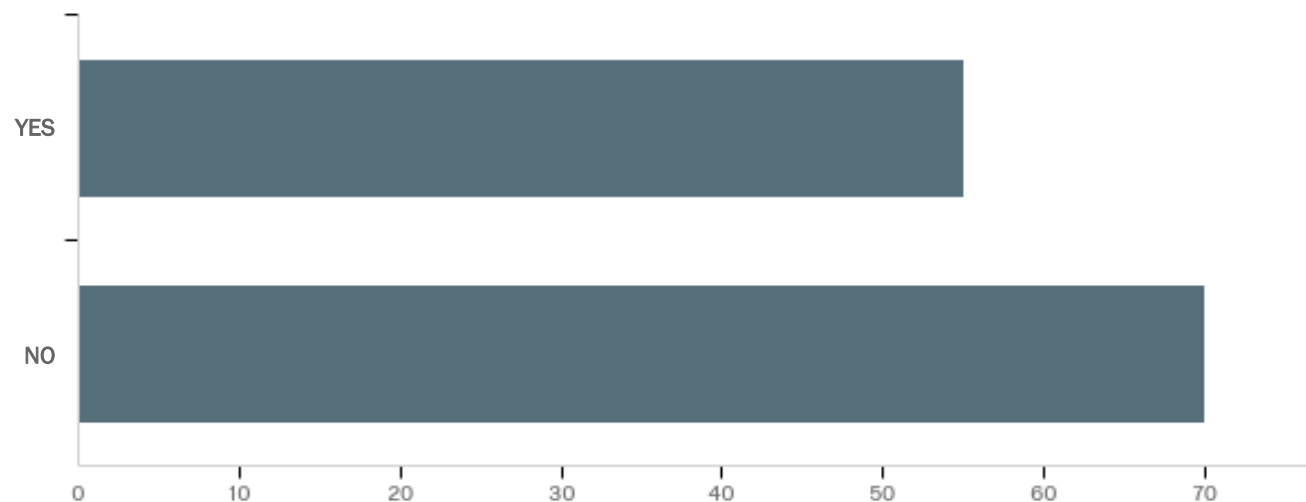




*Over the next 12 months, what is your #1 workforce priority?*

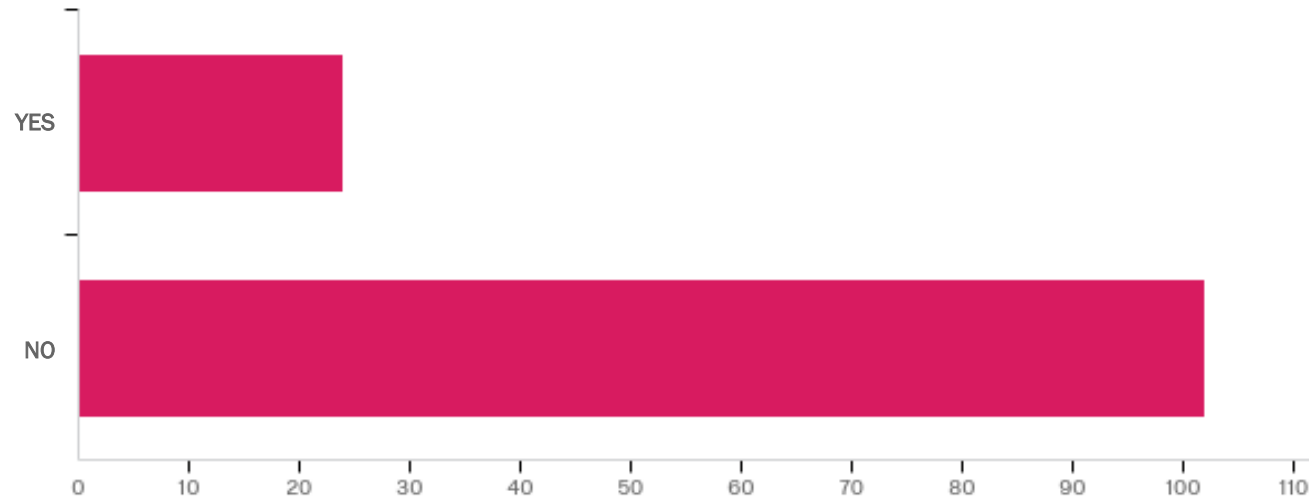
*Is your company regularly engaged in talent recruitment from outside the ICR Iowa region?*

**ICR Iowa Region: Seven counties of Benton, Cedar, Iowa, Johnson, Jones, Linn, Washington.**



*Have you outsourced any labor outside of the ICR Iowa region or state?*

**ICR Iowa Region: Seven counties of Benton, Cedar, Iowa, Johnson, Jones, Linn, Washington.**



### **Outsourced Occupations:**

Laser Welders

Truck Drivers

Software/Web Developers

Accountants

Medical Lab Technologists

Certified Nurse Aides

Registered Nurses

Engineers

# QUESTIONS?

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