



State of Illinois  
Illinois Department of Labor

2020  
State Construction  
Minority and Female  
Building Trades  
Annual Report



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## **Introduction**

The State Construction Minority and Female building Trades Act (30 ILCS 577), created by Public Act 96-0037, requires the Illinois Department of Labor (Department) to collect data regarding the race, gender, ethnicity and national origin of apprentices in the construction industry throughout Illinois. In addition, the Department is responsible for publishing and posting on its website an annual report summarizing its findings by March 31<sup>st</sup> of each year.

The 2020 State Construction Minority and Female Building Trades Report is the Department's twelfth annual report and provides a compilation and summary of data submitted to the Department by building trades apprenticeship programs in Illinois for calendar year 2020. For comparison purposes, 2019 data is included in the tables and charts that appear in some of the findings. In addition, the total number of apprentices reported as participating in programs are 16,915.

As reflected in the 2020 report, there were 114 construction apprenticeship programs in Illinois that prepared individuals for employment in the building trades. These programs vary in length from one to six years and encompass construction apprenticeship programs throughout Illinois.

## **Methodology**

For the 2020 State Construction Minority and Female Building Trades annual report, the Department emailed many of the construction apprenticeship programs that participated in the past. Programs confirmed as no longer in existence and duplicate programs were removed from the survey population upon notification and discovery. In response to the Department's emailing, 114 apprenticeship programs submitted reports with the requested demographic information.

In order to provide clarification for program coordinators completing Apprenticeship Reporting Forms, as well as to maintain consistency with the US DOL Office of Apprenticeship's registration requirements, the Department used the US DOL Office of Apprenticeship's definitions for the following terms:

- **Race:** American Indian or Alaska Native; Asian; Black or African American; White; Native Hawaiian or other Pacific Islander; or Unknown
- **Gender:** Male or Female
- **Ethnicity:** Hispanic or Latino; not Hispanic or Latino; or Unknown
- **National Origin(country of birth):** United States of America; Other; or Unknown

The Department also collected data on Union Affiliation, length of Apprenticeship Program and Apprenticeship Trade.

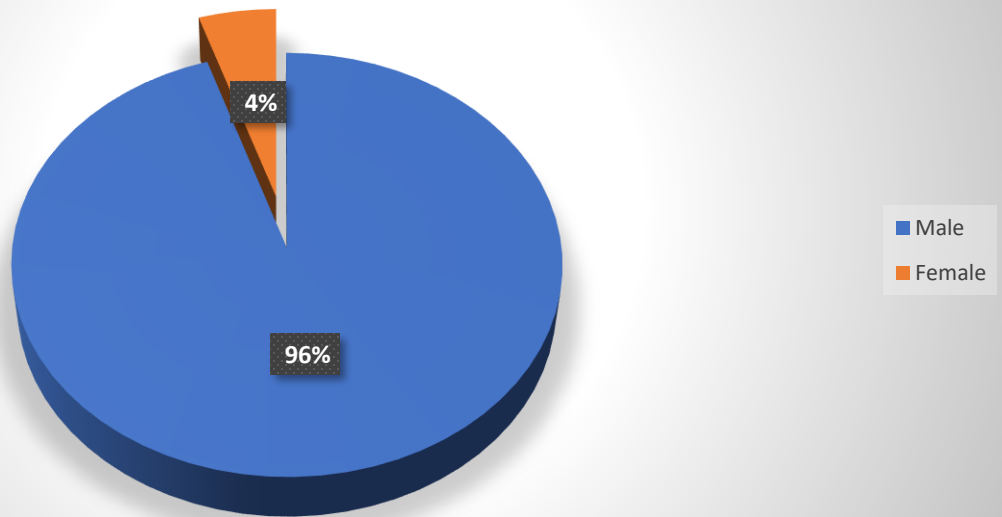
## Findings

<b>Table 1. Survey Completion and Total Apprentices</b>	
	Year
	2020
Surveys Received	114
Total Number of Apprentices Reported in Surveys	16915

**Table 2. Apprentices by Gender**

	Year			Year			Difference		
	2019			2020			2019-2020		
	Male	Female	Total	Male	Female	Total	Male	Female	Total
Percentage of Apprentices by Gender (Based on yearly total)	96%	4%	100%	96%	4%	100%	0%	0%	0%

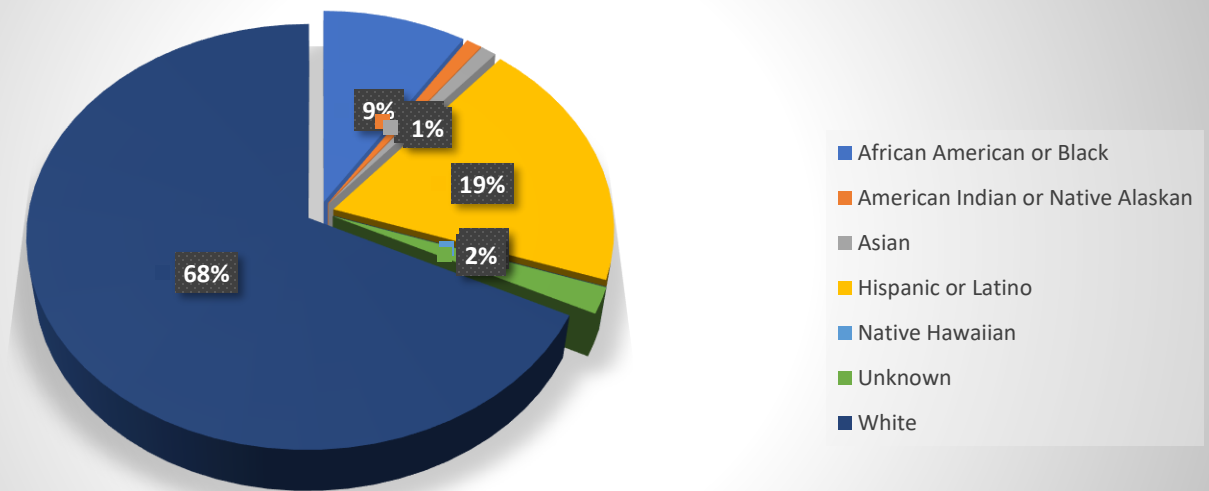
**2020 - Apprentices by Gender**



**Table 3. Apprentices by Race and Ethnicity**

Year		African American or Black	American Indian or Native Alaskan	Asian	Hispanic or Latino	Native Hawaiian	Unknown	White
2019	Total Percentage of Apprentices (Based on yearly total)	9%	<1%	1%	18%	<1%	3%	70%
2020	Total Percentage of Apprentices (Based on yearly total)	9%	<1%	1%	19%	<1%	2%	68%
Difference in Number of Apprentices		0%	0%	0%	1%	0%	-1%	-2%

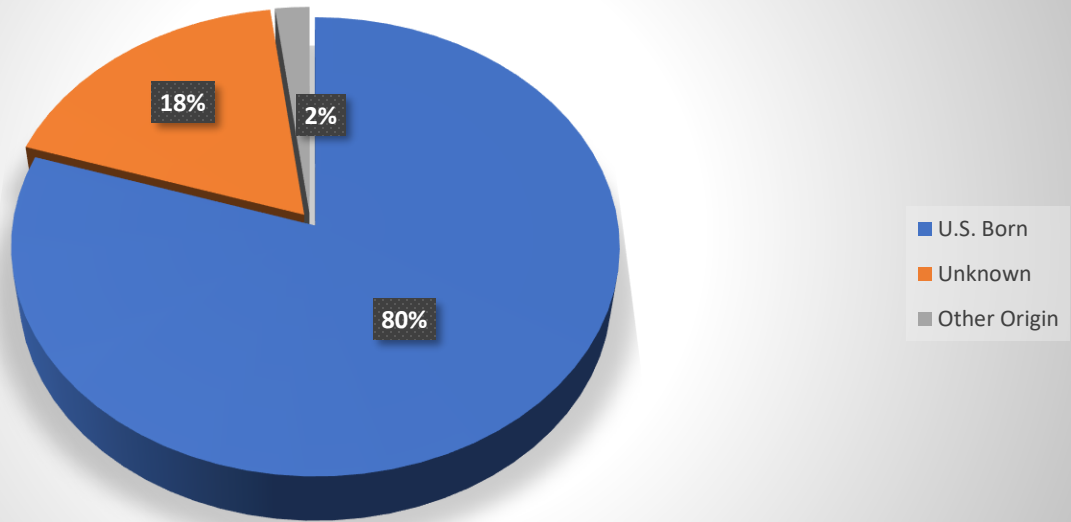
**2020 - Apprentices by Race**



**Table 4. Apprentices by National Origin**

Year:		U.S. Born	Unknown	Other Origin	Total
2019	Percentage of Apprentices by National Origin (Based on yearly total)	80%	18%	2%	100%
2020	Percentage of Apprentices by National Origin (Based on yearly total)	80%	18%	2%	100%
Difference in Number of Apprentices		0%	0%	0%	0%

**2020 - Apprentices by National Origin**

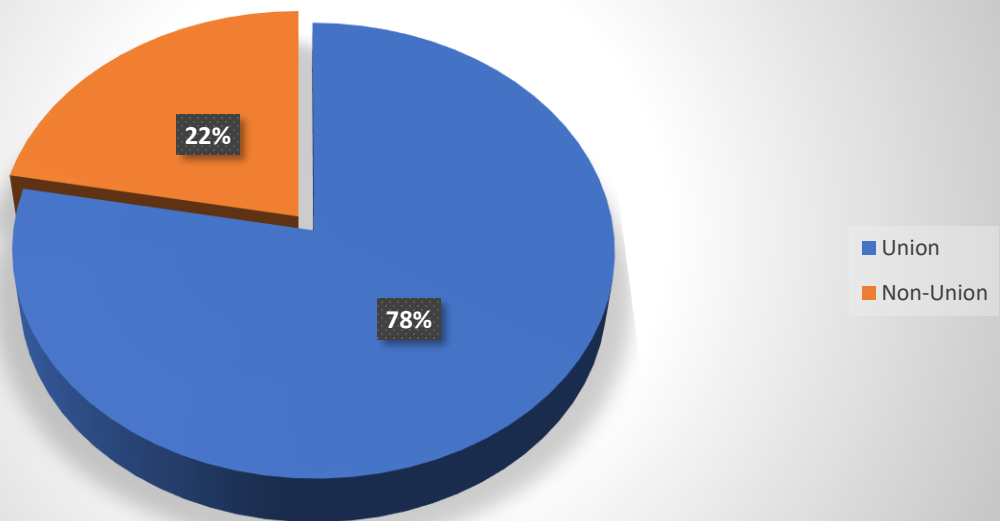




**Table 5. Apprenticeship Programs by Union Affiliation**

Year:		Union	Non-Union	Total
2019	Percentage of Apprenticeship Programs by Union Affiliation (Based on yearly total)	71%	29%	0%
2020	Percentage of Apprenticeship Programs by Union Affiliation (Based on yearly total)	78%	22%	0%
	Difference in Number of Apprenticeship Programs	7%	-7%	0%

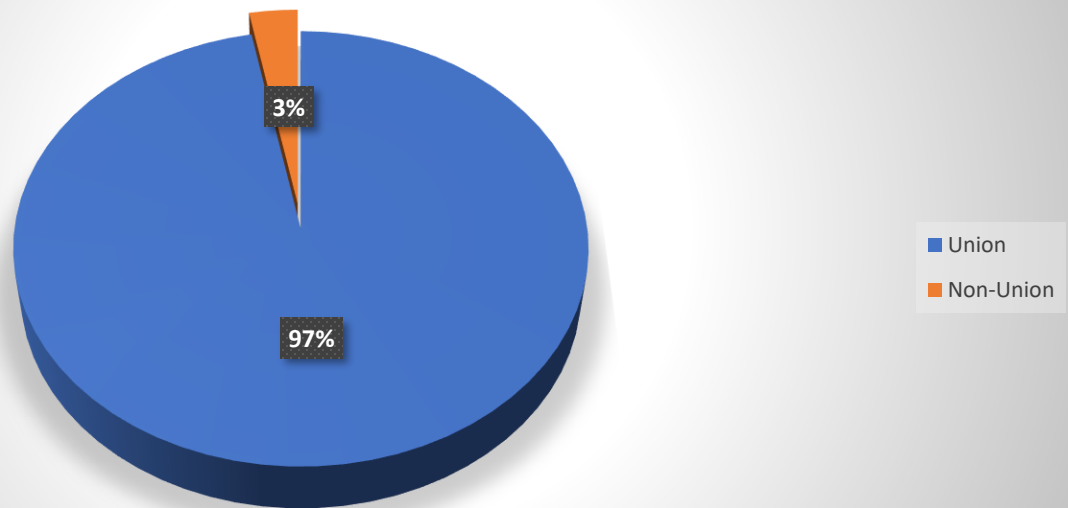
**2020 - Apprenticeship Programs by Union Affiliation**



**Table 6. Apprentices by Union Affiliation**

Year:		Union	Non-Union	Total
2019	Percentages of Apprentices by Union Affiliation (Based on yearly total)	95%	5%	100%
2020	Percentages of Apprentices by Union Affiliation (Based on yearly total)	97%	3%	100%
Difference in Number of Apprentices		2%	-2%	0%

**2020 - Apprentices by Union Affiliation**

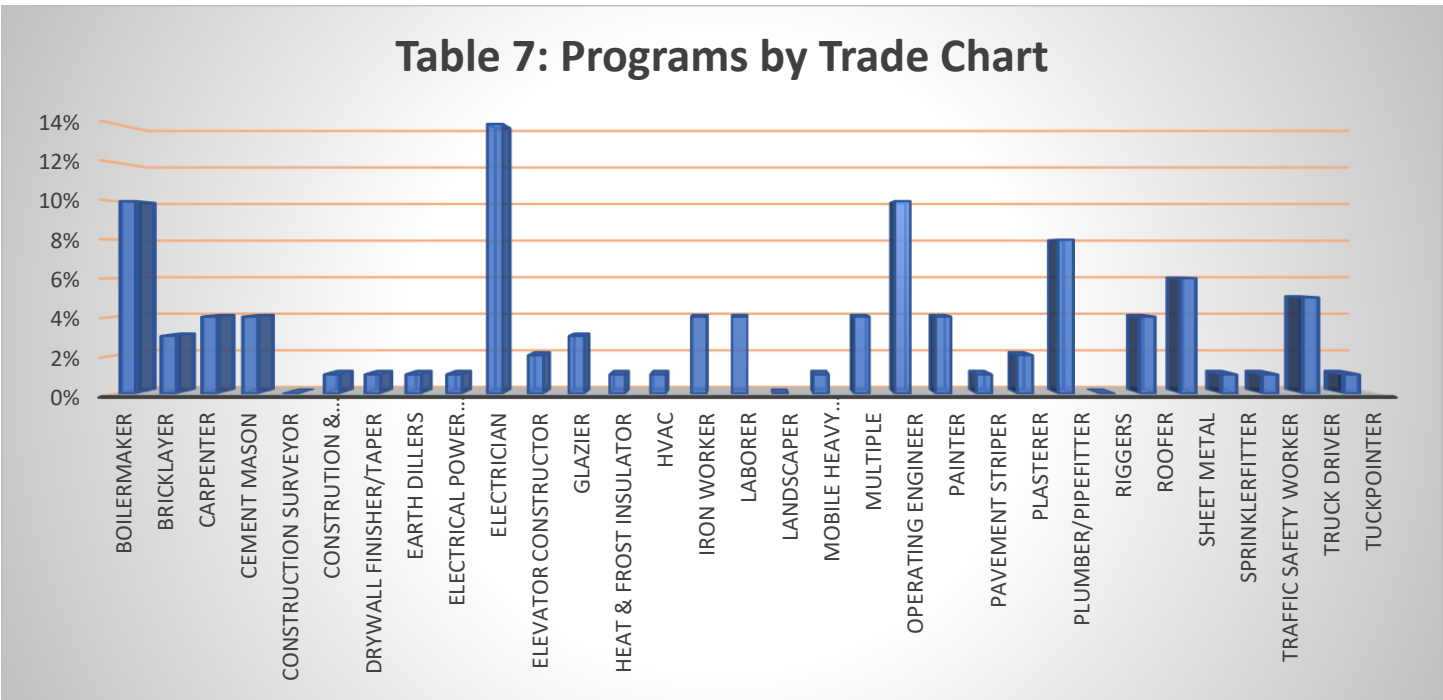


**Table 7. Apprenticeship Programs by Trade**

Programs by Trade(Based on yearly total)	Number of Programs	*Percentage of Programs
Boilermaker	11	10%
Bricklayer	3	3%
Carpenter	5	4%
Cement Mason	5	4%
Construction Surveyor	0	0%
Construction & Building Inspector	1	1%
Drywall Finisher/Taper	1	1%
Earth Drillers	1	1%
Electrical Power Lineman	1	1%
Electrician	16	14%
Elevator Constructor	2	2%
Glazier	3	3%
Heat & Frost Insulator	1	1%
HVAC	1	1%
Iron Worker	5	4%
Laborer	5	4%
Landscaper	0	0%
Mobile Heavy Equipment Mechanic	1	1%
Multiple	4	4%
Operating Engineer	11	10%
Painter	5	4%
Pavement Striper	1	1%
Plasterer	2	2%
Plumber/Pipefitter	9	8%
Riggers	0	0%
Roofer	4	4%
Sheet Metal	7	6%
Sprinkler fitter	1	1%
Traffic Safety Worker	1	1%
Truck Driver	6	5%
Tuck pointer	1	1%

\* The percentage column was calculated by taking the number of programs that responded in the trade classification and dividing it by the total number of apprenticeship programs that responded to our survey (114). The percentage does not necessarily indicate compliance, as some trades may have larger programs, while others smaller. Our percentages are rounded up in some cases, but it adds up to approximately 100%.

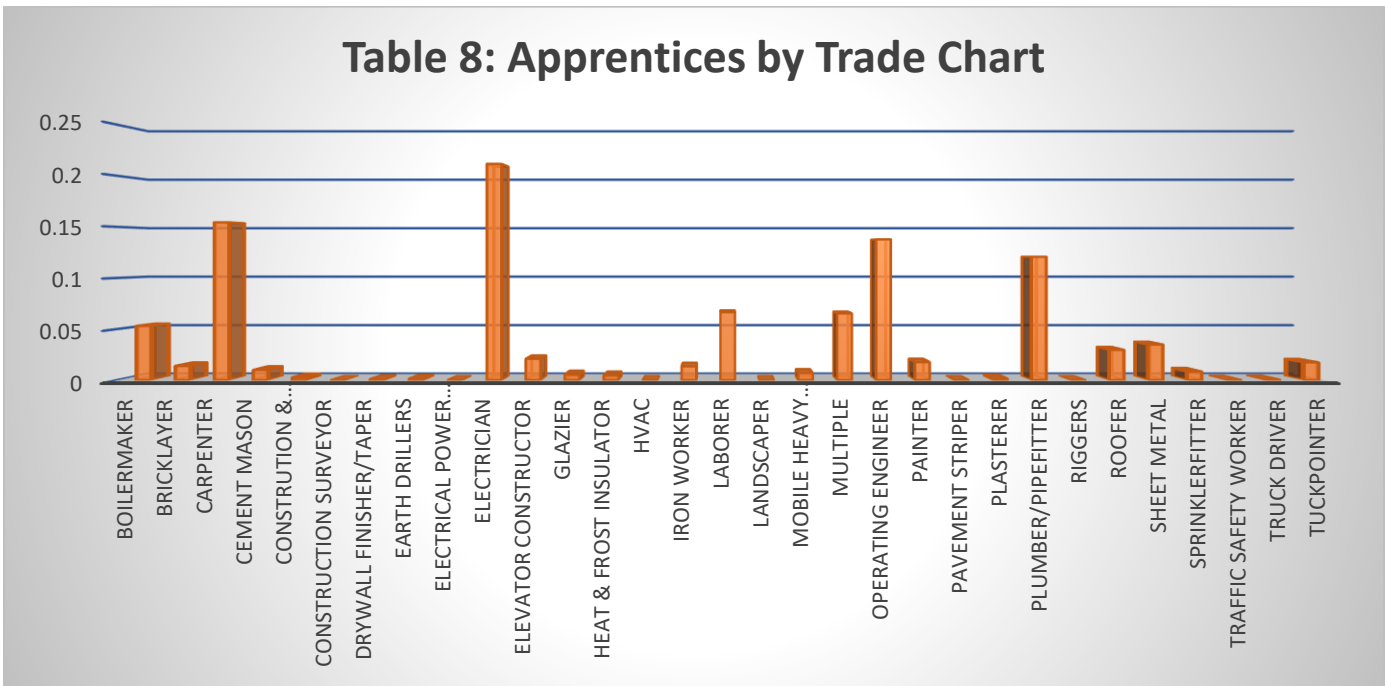
**Table 7: Programs by Trade Chart**



<b>Table 8. Apprentices by Trade</b>		
Apprentices by Trade (Based on yearly total)	Number of Apprentices	*Percentage of Apprentices
Boilermaker	899	5%
Bricklayer	236	1%
Carpenter	2613	15%
Cement Mason	169	1%
Construction & Building Inspector	45	0%
Construction Surveyor	0	0%
Drywall Finisher/Taper	15	0%
Earth Drillers	22	0%
Electrical Power Lineman	0	0%
Electrician	3579	21%
Elevator Constructor	354	2%
Glazier	93	1%
Heat & Frost Insulator	78	0%
HVAC	0	0%
Iron Worker	229	1%
Laborer	1125	7%
Landscaper	0	0%
Mobile Heavy Equipment Mechanic	120	1%
Multiple	1104	7%
Operating Engineer	2331	14%
Painter	298	2%
Pavement Striper	1	0%
Plasterer	25	0%
Plumber/Pipefitter	2042	12%
Riggers	0	0%
Roofer	501	3%
Sheet Metal	589	3%
Sprinkler fitter	141	1%
Traffic Safety Worker	4	0%
Truck Driver	8	0%
Tuck pointer	294	2%

\* The percentage column was calculated by taking the number of apprentices that were reported by programs that responded in the trade classification and dividing it by the total number apprentices reported by all apprenticeship programs that responded to our survey (16,915). The percentage does not necessarily indicate compliance, as some trades may have larger programs, while others smaller. Our percentages are rounded up in some cases, but it adds up to approximately 100%.

**Table 8: Apprentices by Trade Chart**



**Table 9. Apprenticeship Programs - Length of Program**

<b>Table 9. Apprenticeship Programs - Length of Program</b>		
(noted in number of months)	2019	2020
Average Program Length	43	48
Shortest Program Length	3	12
Longest Program Length	72	72