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SIXTH ANNUAL NCCCO **FOUNDATION** **Industry Forum**

Who is Taking CCO Exams? A Snapshot of Certificant Demographics

Robert Mahlman, Director, Certification & Credentialing
National Commission for the Certification of Crane Operators

November 11, 2021

Overview

- In 2020 we implemented an optional 10 question survey to those taking CCO written exams
- Initial motivation was to conduct a research study to explain differences in scores between computer-based testing and paper-pencil testing
- Reported last year on three survey questions to help answer that research question.
- This presentation covers the remaining survey questions more broadly.

10 Question Survey

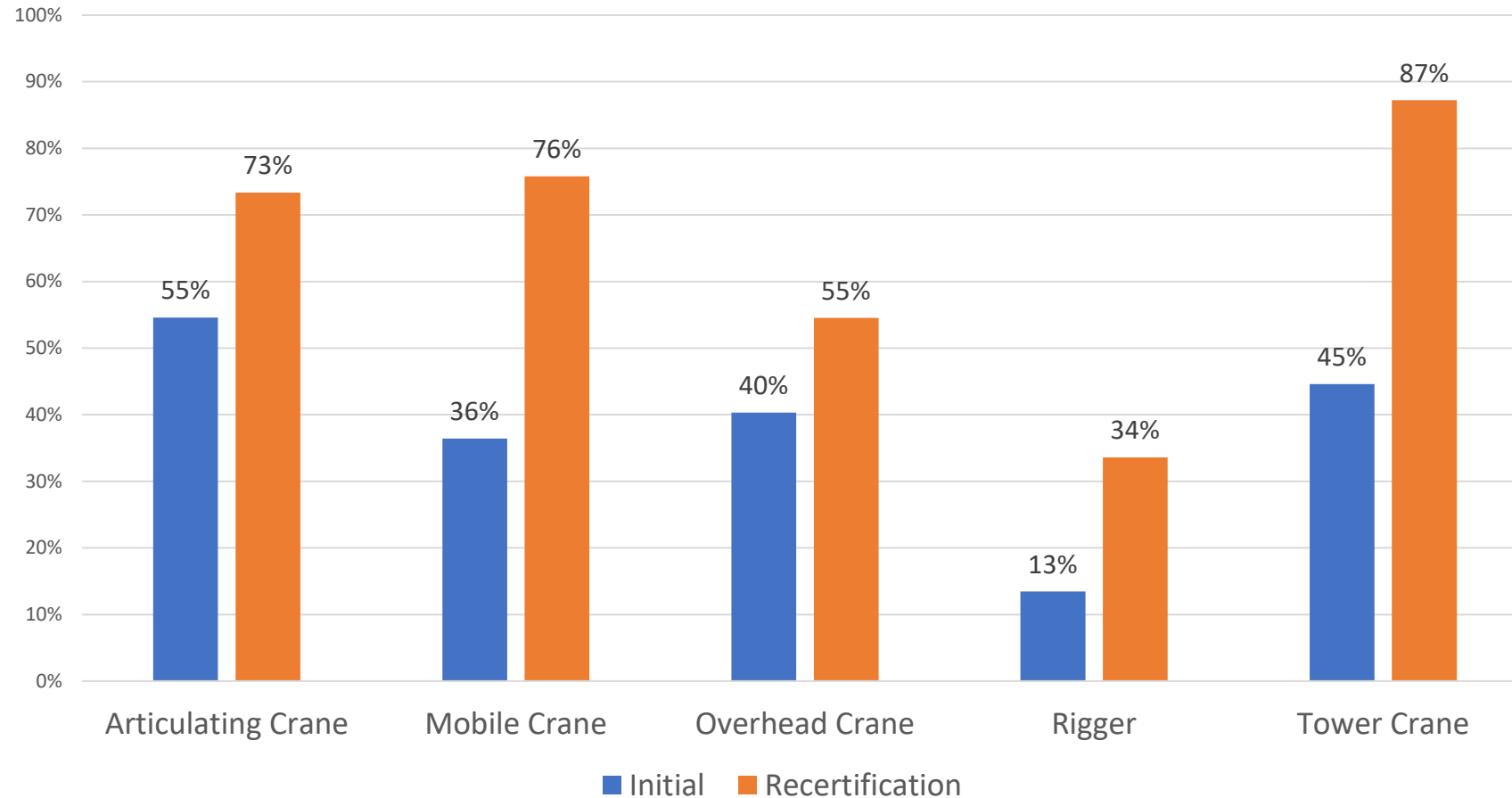
1. What is your current primary job position?
2. If you are an operator, how long have you been a lifting equipment operator?
3. In what industry did you gain the majority of your experience?
4. What is the main reason you are seeking certification or recertification?
5. At what age did you first enter the industry?

10 Question Survey

6. What is your highest education level?
7. What was the main type of test preparation you received to prepare for this test?
8. How much test preparation in the classroom did you receive?
9. How much test preparation in the field (hands-on) did you receive?
10. How long before taking this exam did you receive your test preparation?

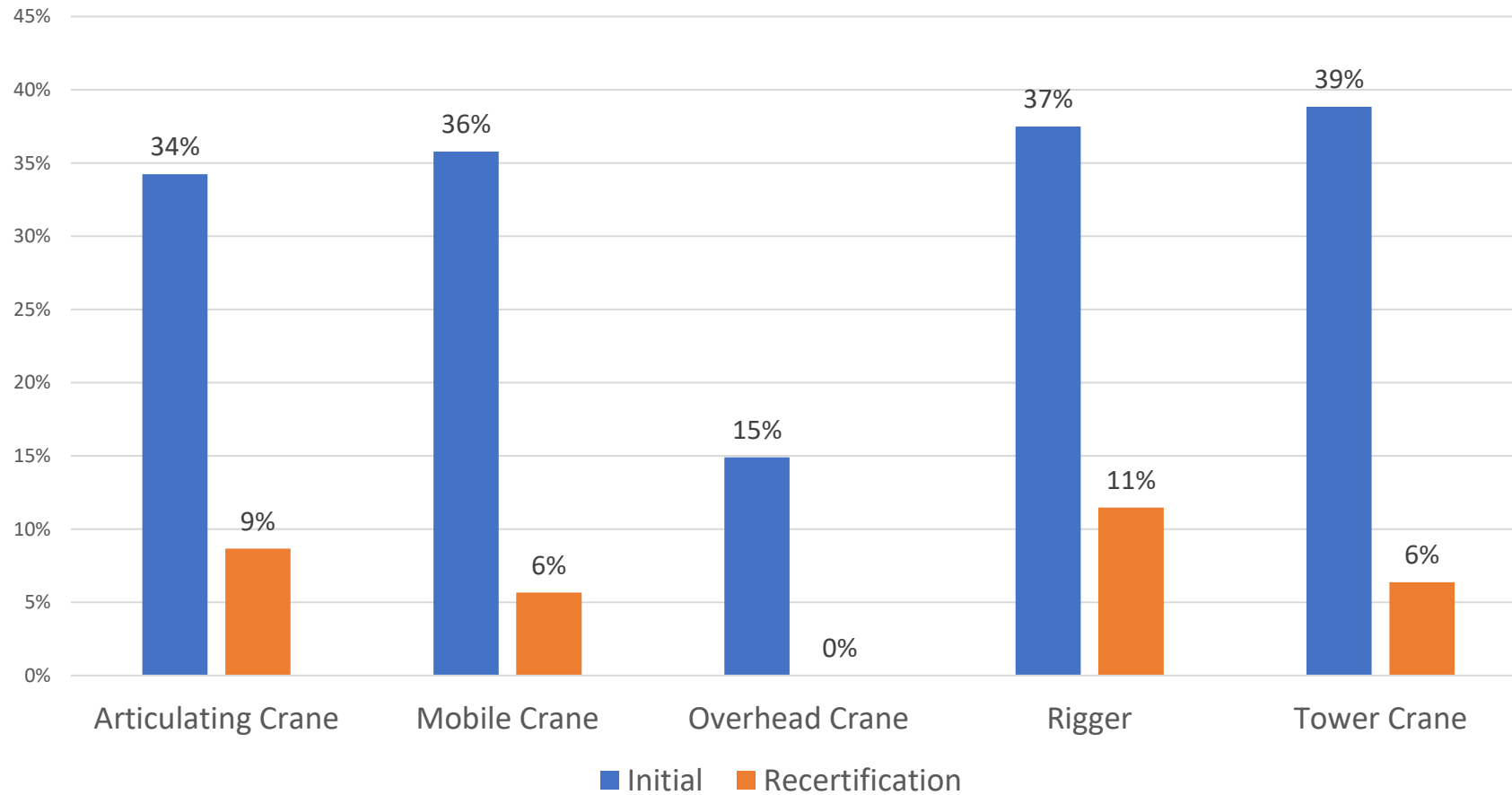
What is your Current Job Position?

Percent Indicating they were Equipment Operators



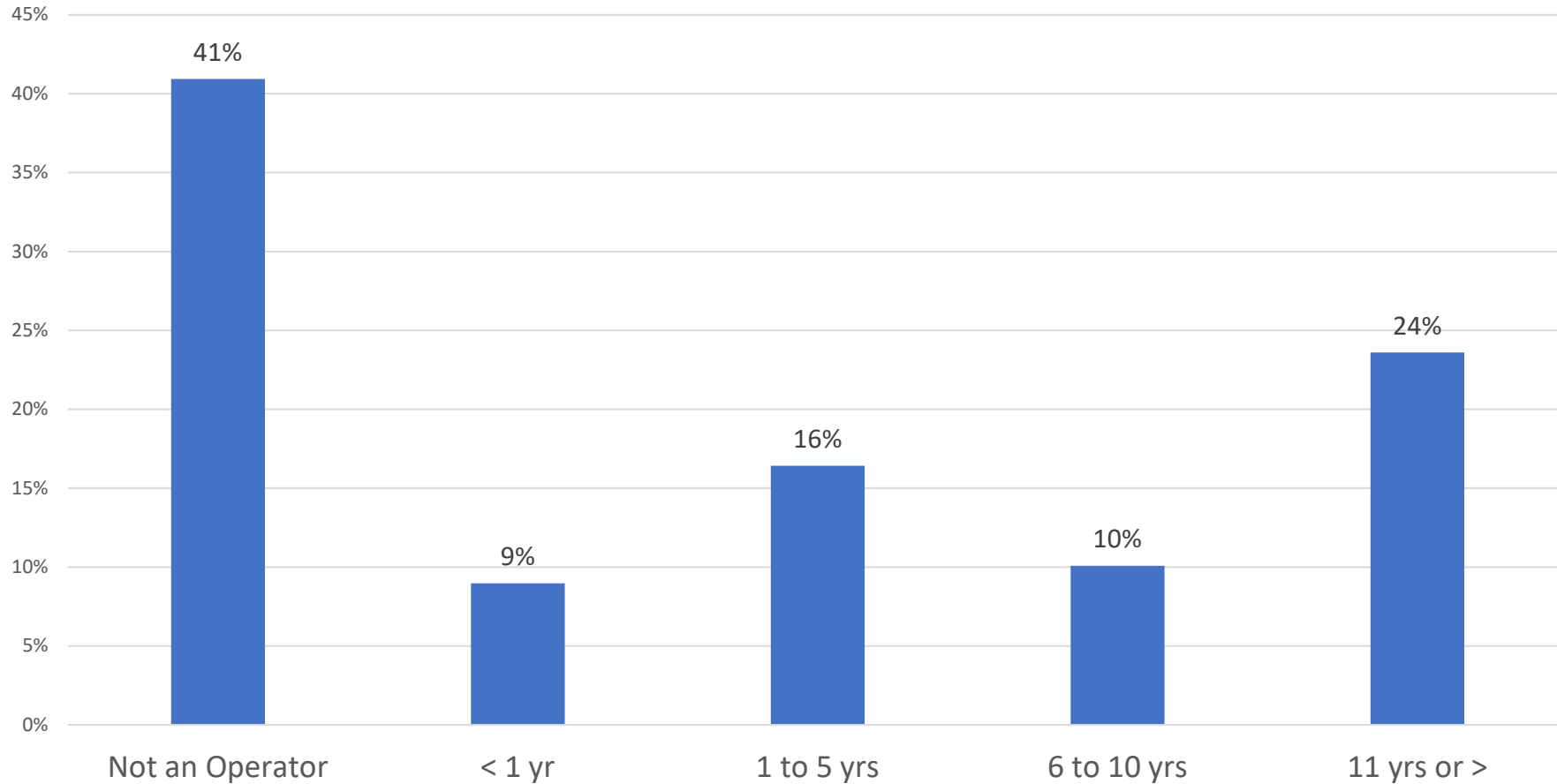
What is your Current Job Position?

Percent indicating "Other" as Current Position



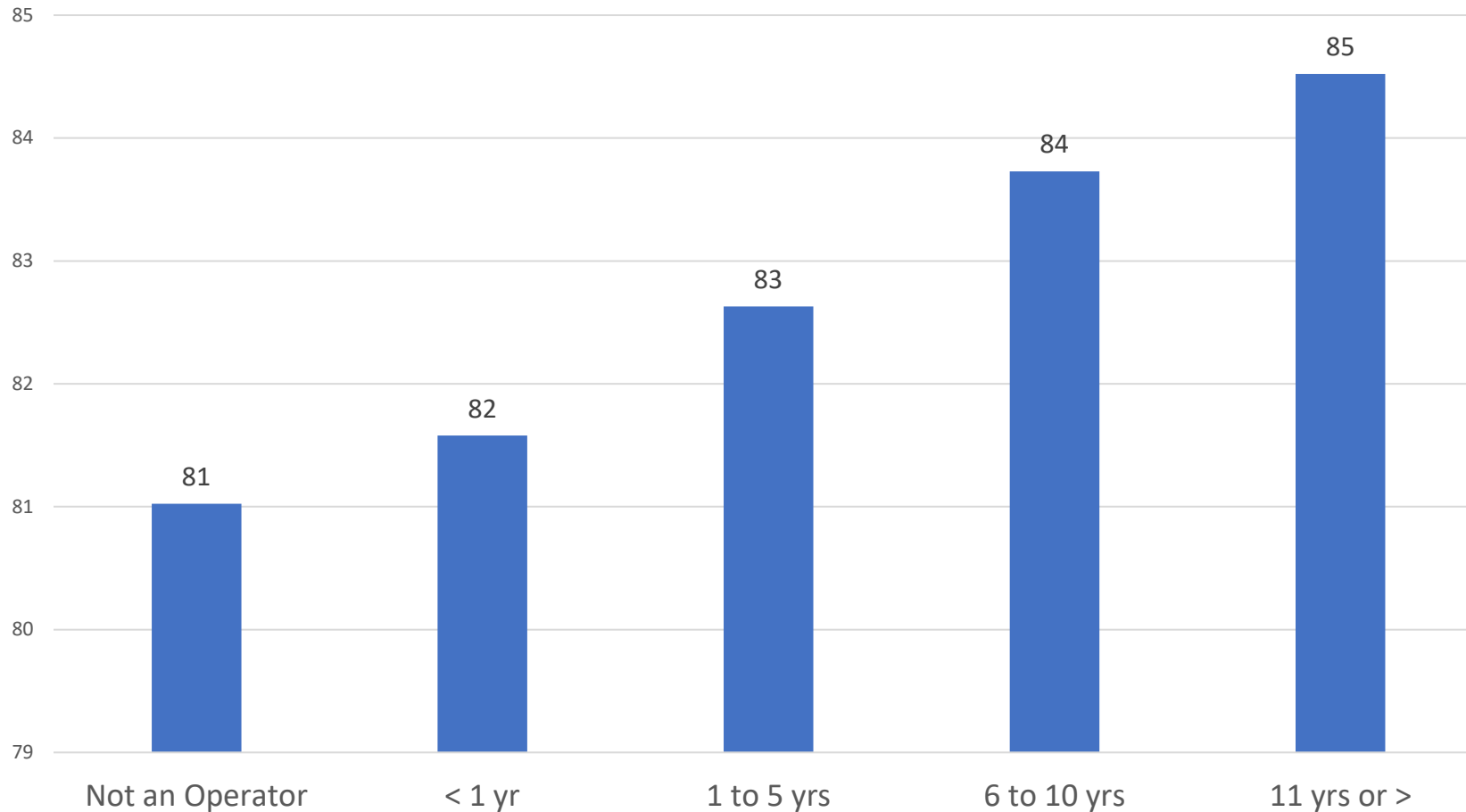
How long have you been a lifting equipment operator?

Years as an Equipment Operator

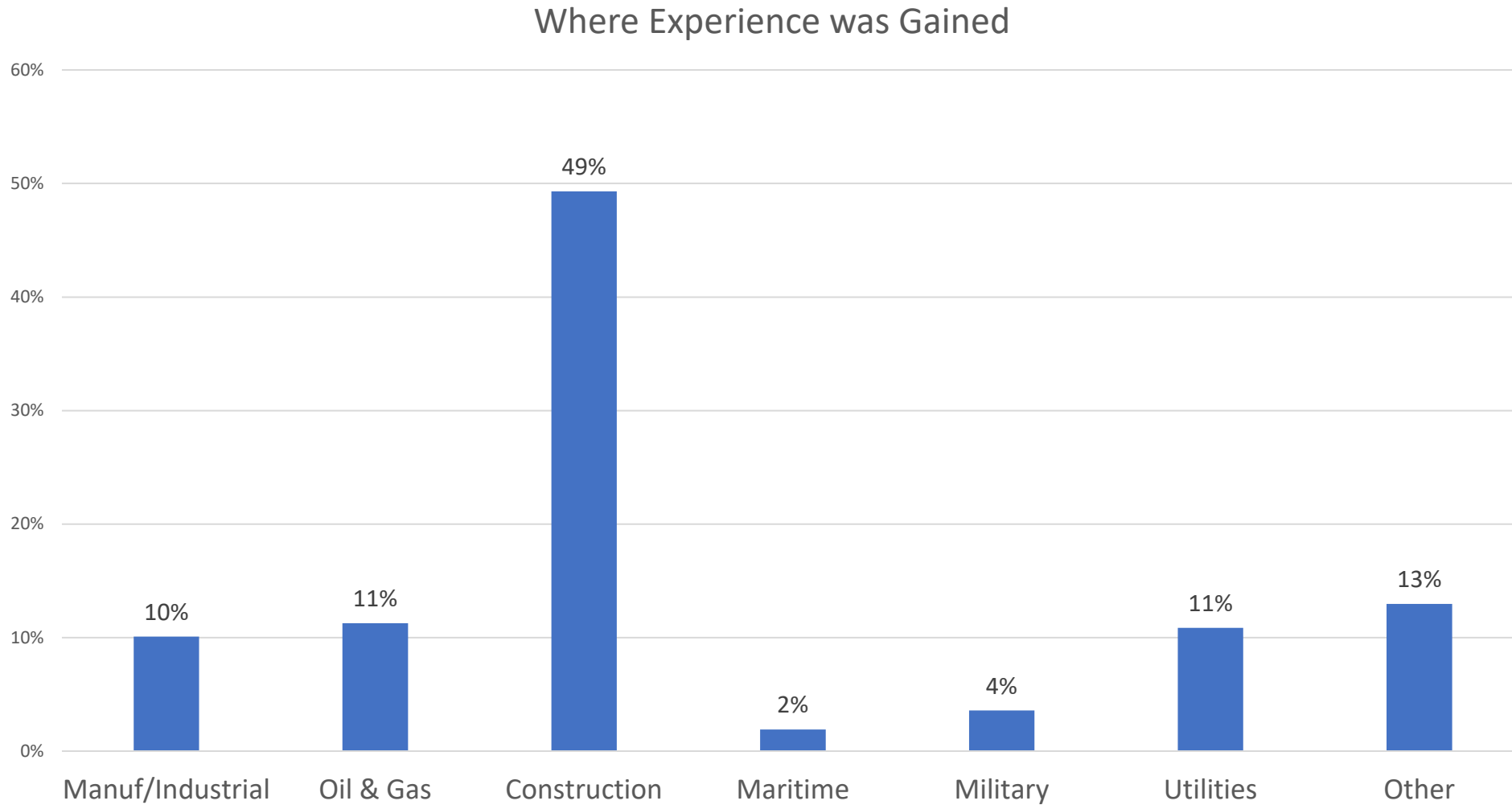


How long have you been a lifting equipment operator?

Avg Test Scores by Years as an Operator



In what industry did you gain your experience?

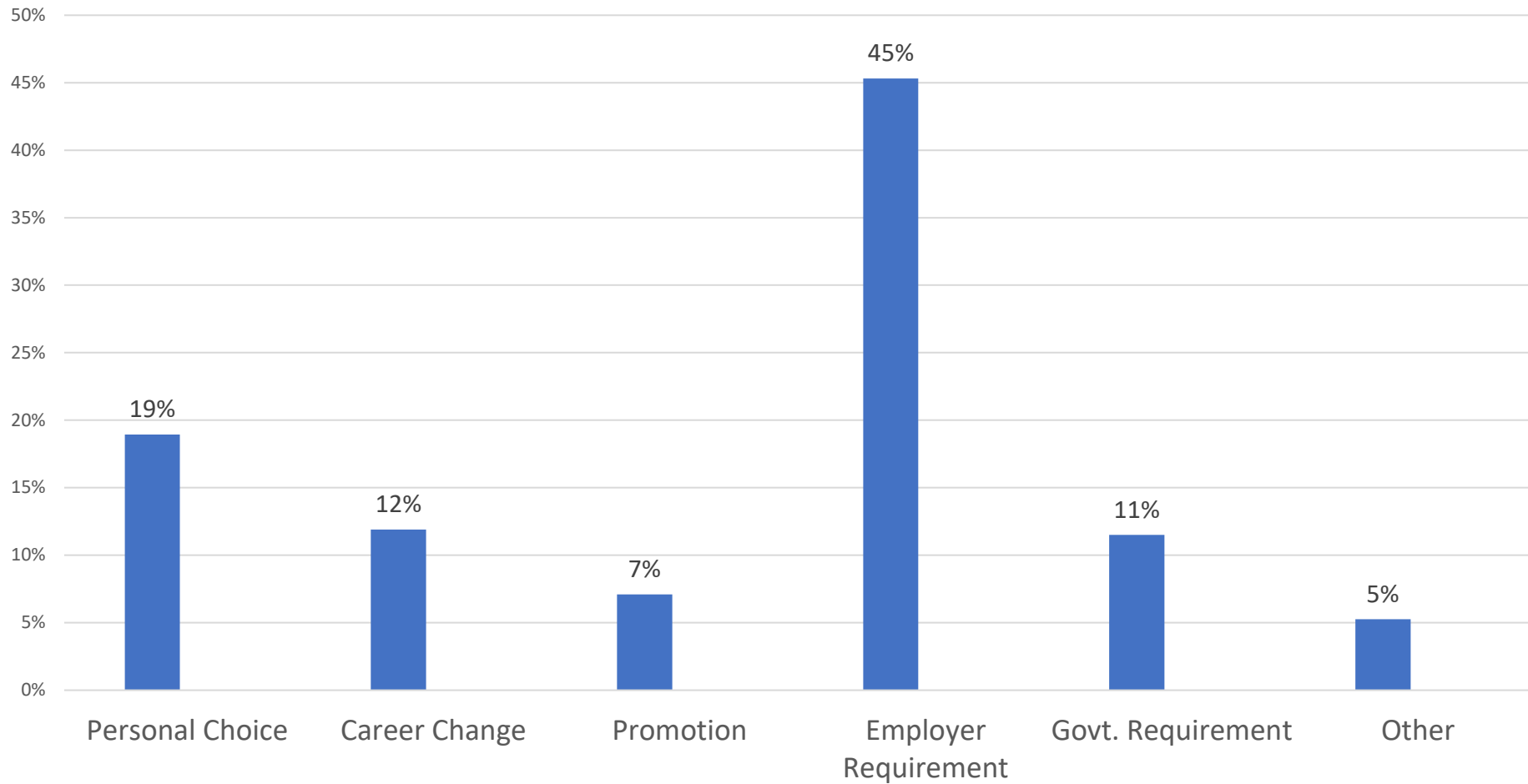


In what industry did you gain your experience?

In what industry did you gain your experience?	Manufacturing/Industrial	Oil and Gas	Construction	Maritime	Military	Utilities	Other	Total N
Articulating Crane	8%	3%	52%	0%	3%	13%	20%	1717
Articulating Crane RECERT	6%	4%	72%	0%	0%	13%	6%	155
Digger Derrick	4%	4%	28%	0%	4%	49%	12%	327
Digger Derrick Recert	0%	0%	38%	0%	0%	38%	25%	8
Mobile Crane	10%	13%	43%	2%	5%	12%	15%	9221
Mobile Crane Recert	8%	12%	63%	2%	0%	10%	5%	3934
Overhead Crane	19%	5%	39%	0%	0%	30%	6%	293
Overhead Crane RECERT	42%	0%	58%	0%	0%	0%	0%	12
Rigger	19%	12%	41%	3%	7%	4%	14%	1190
Rigger RECERT	18%	20%	50%	2%	1%	0%	8%	256
Signalperson	12%	11%	53%	1%	3%	4%	17%	1835
Tower Crane	7%	5%	70%	3%	4%	1%	10%	318
Grand Total	10%	11%	49%	2%	4%	11%	13%	19487

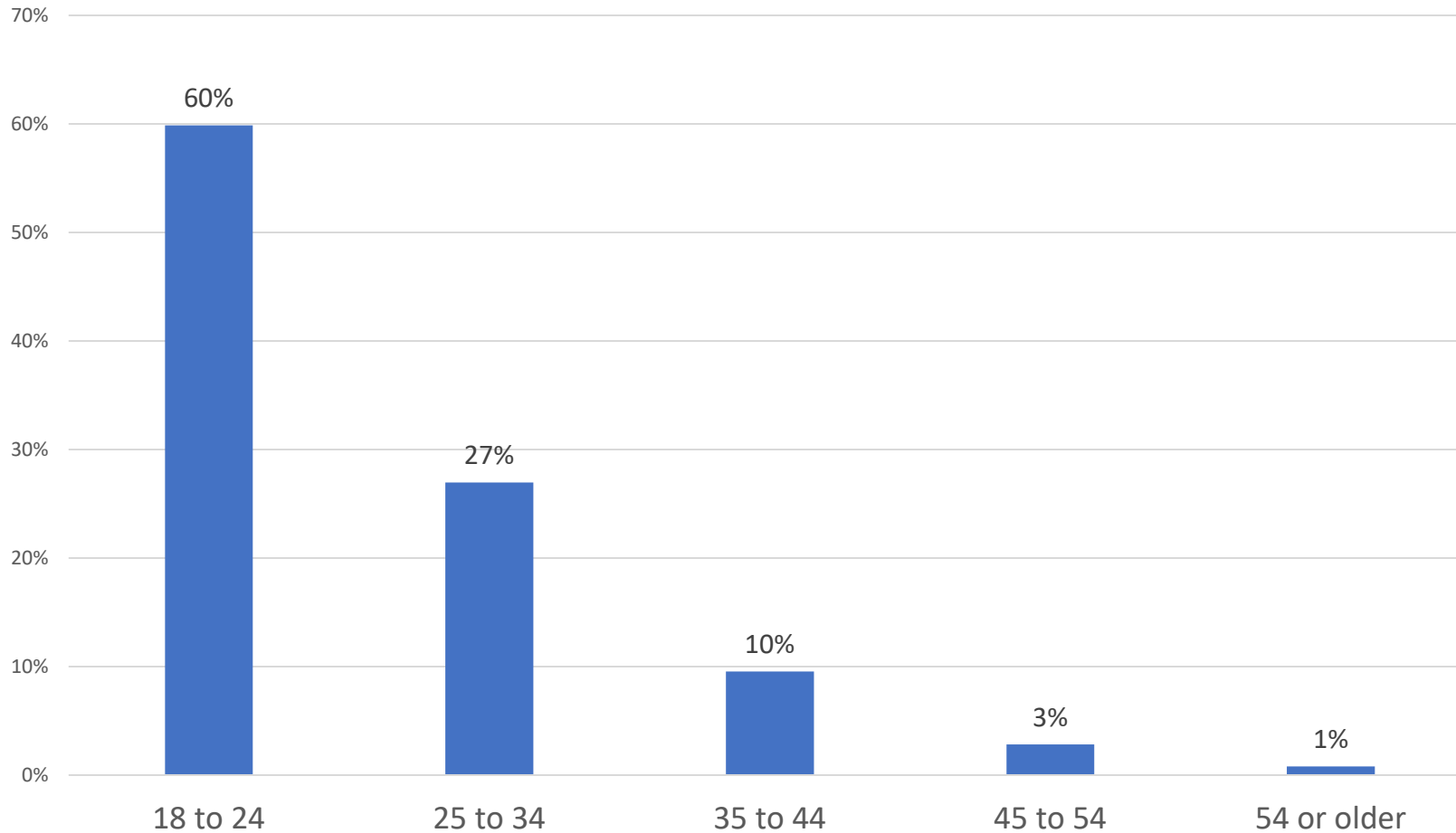
Main reason you're seeking certification or recertification

Reason for Seeking Certification



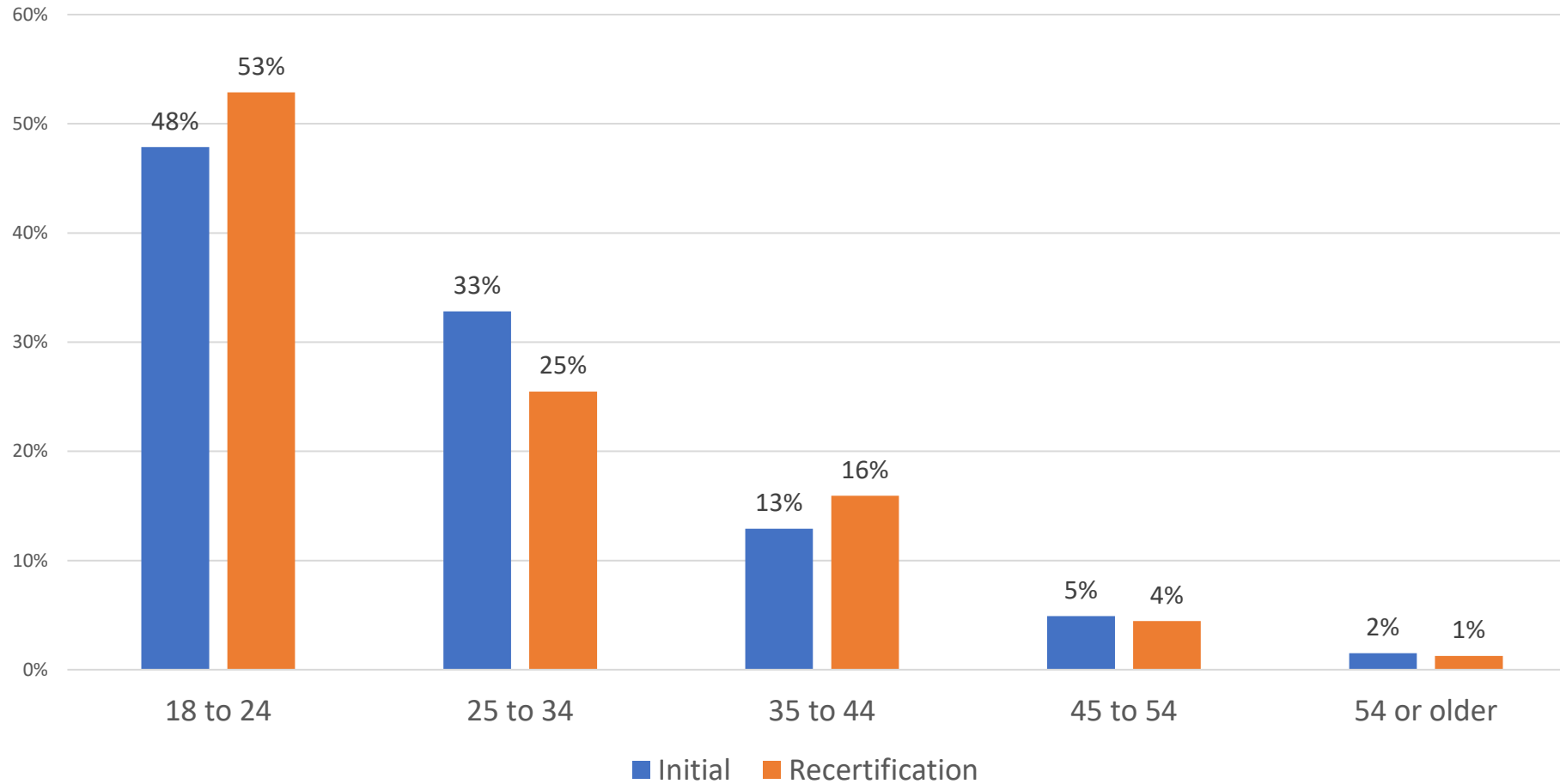
At what age did you first enter the industry?

Age entering the industry



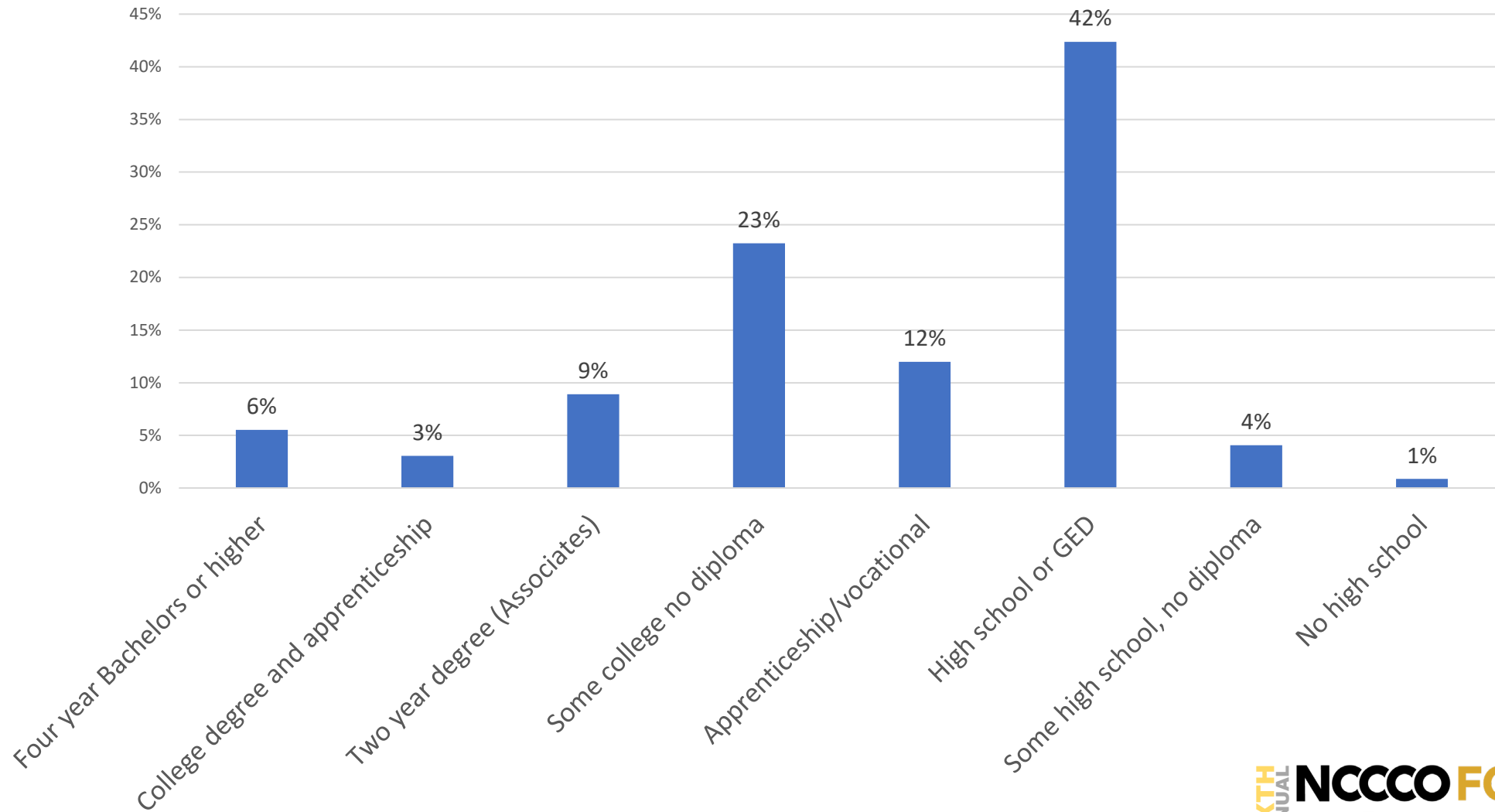
At what age did you first enter the industry?

Articulating Crane Age at Entry



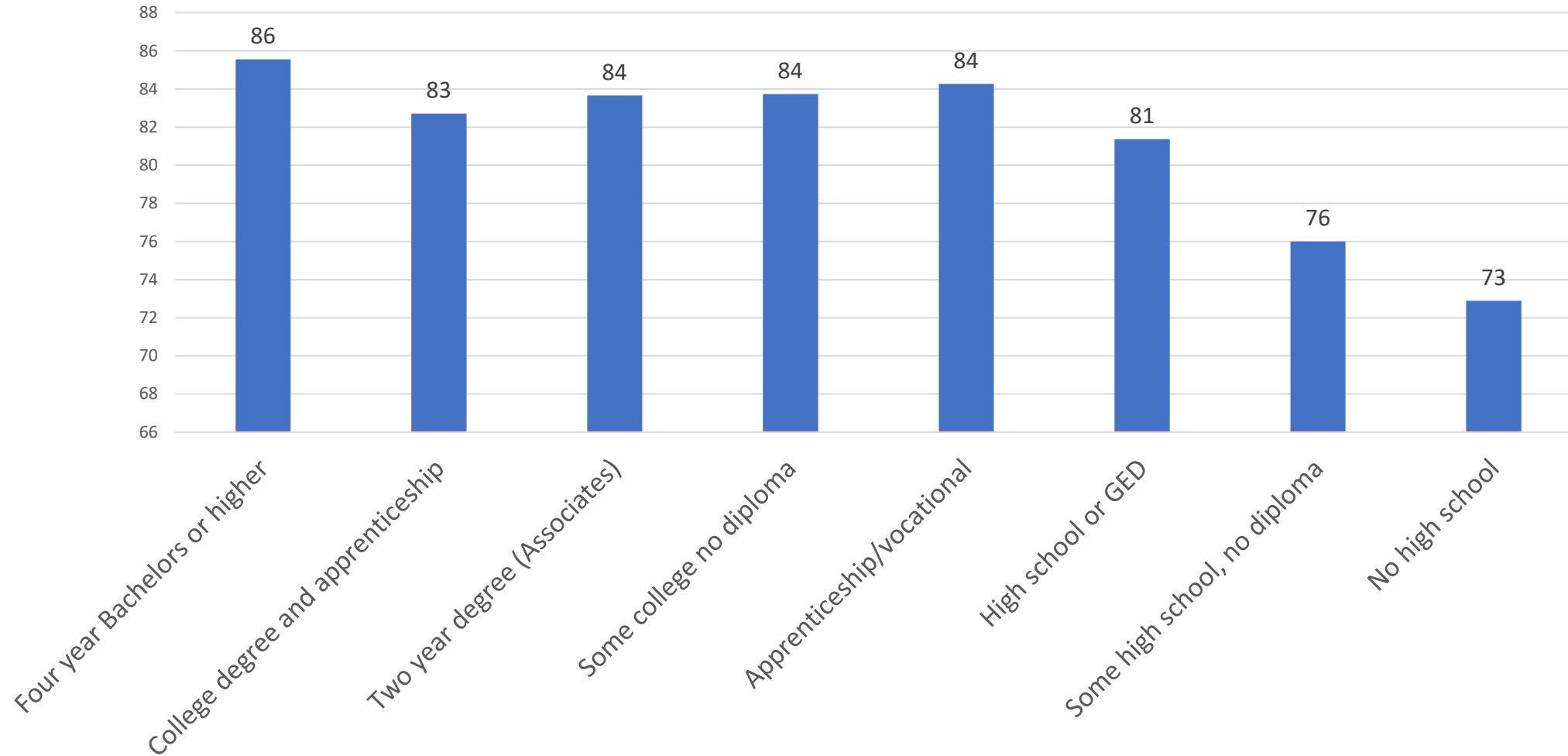
What is your highest education level?

Highest Education Level

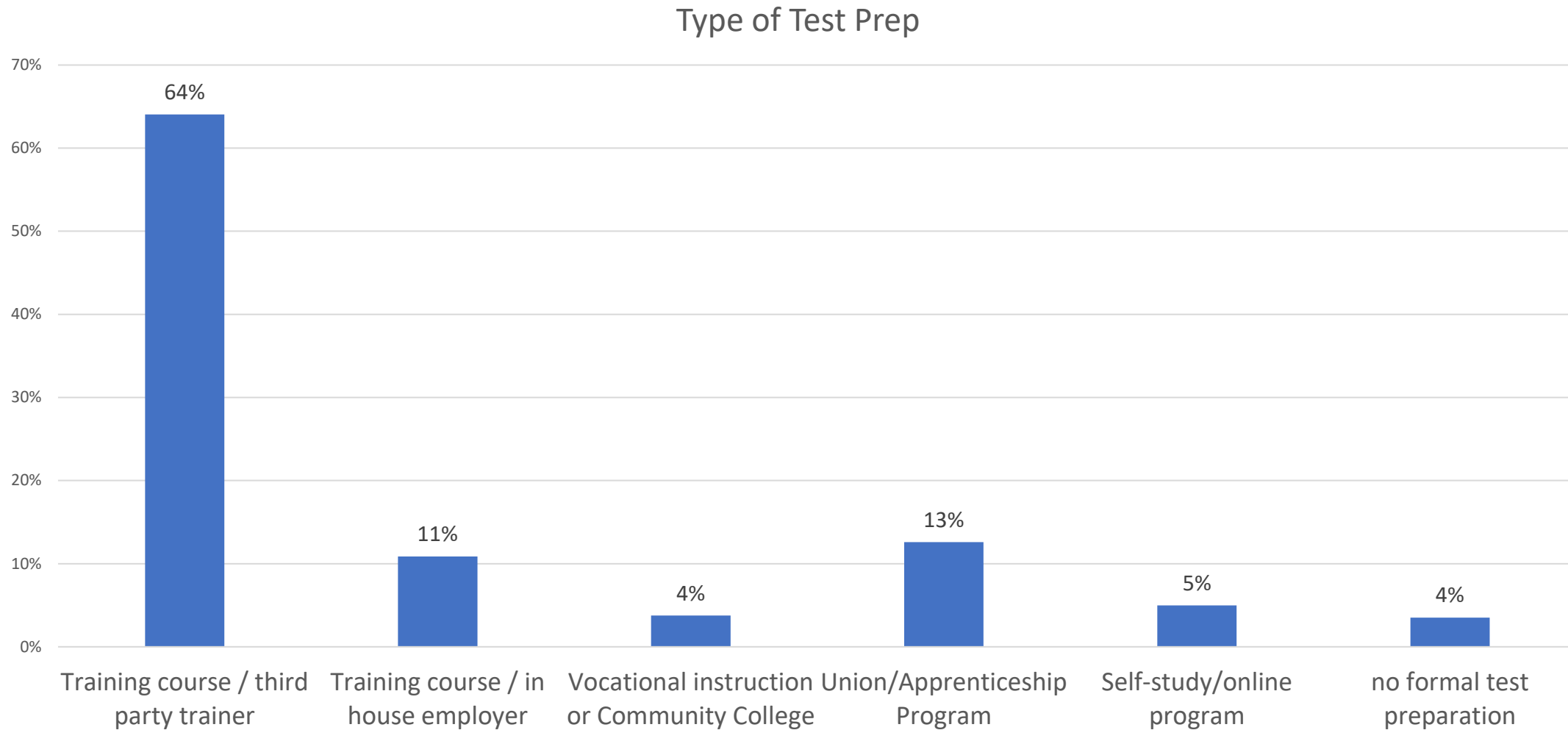


What is your highest education level?

Average Scaled Scores by Education

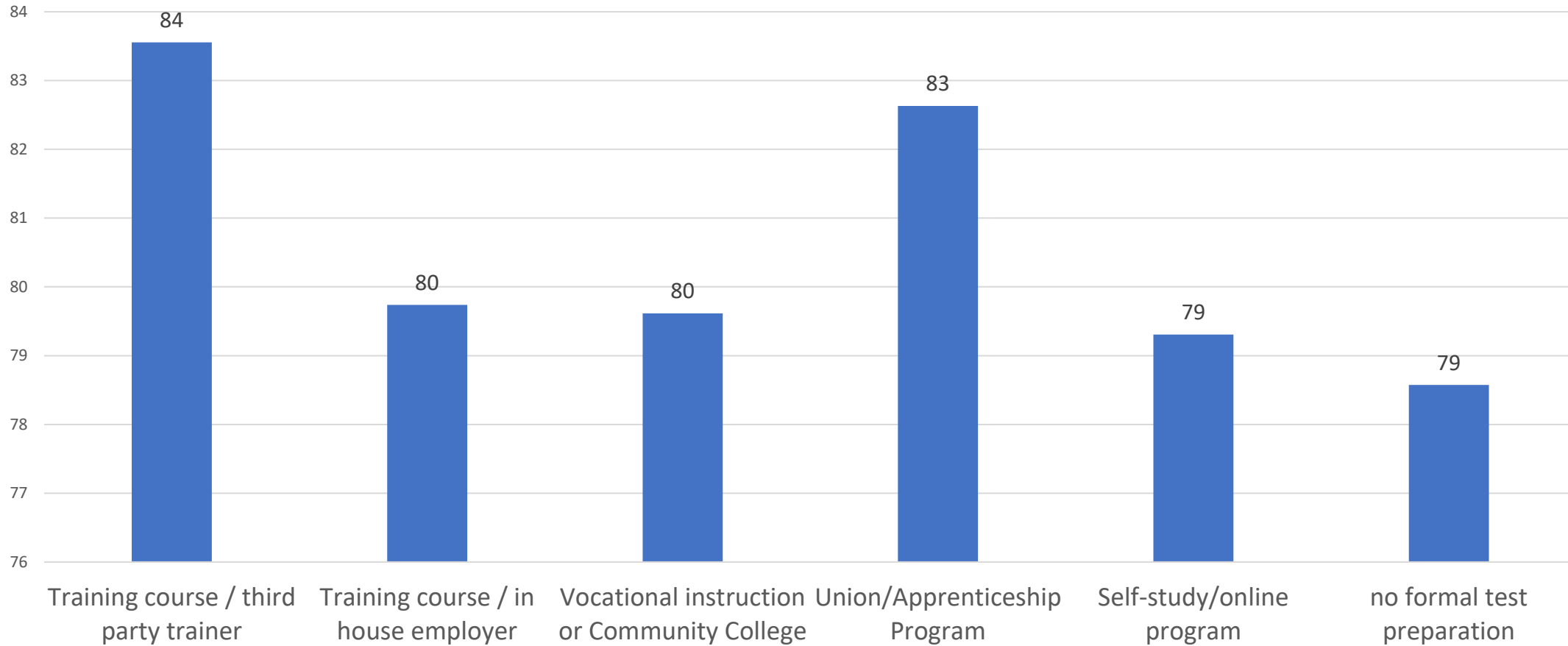


What is the main type of test prep you received?

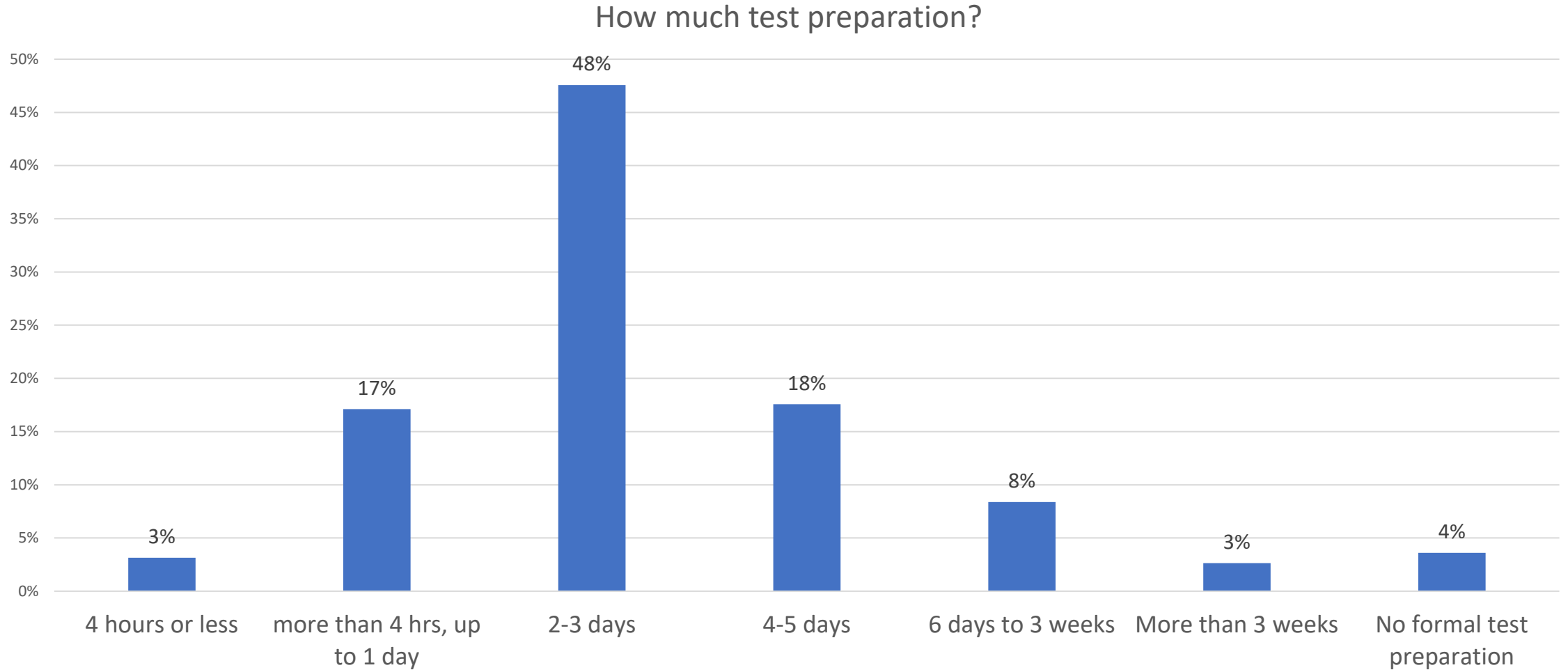


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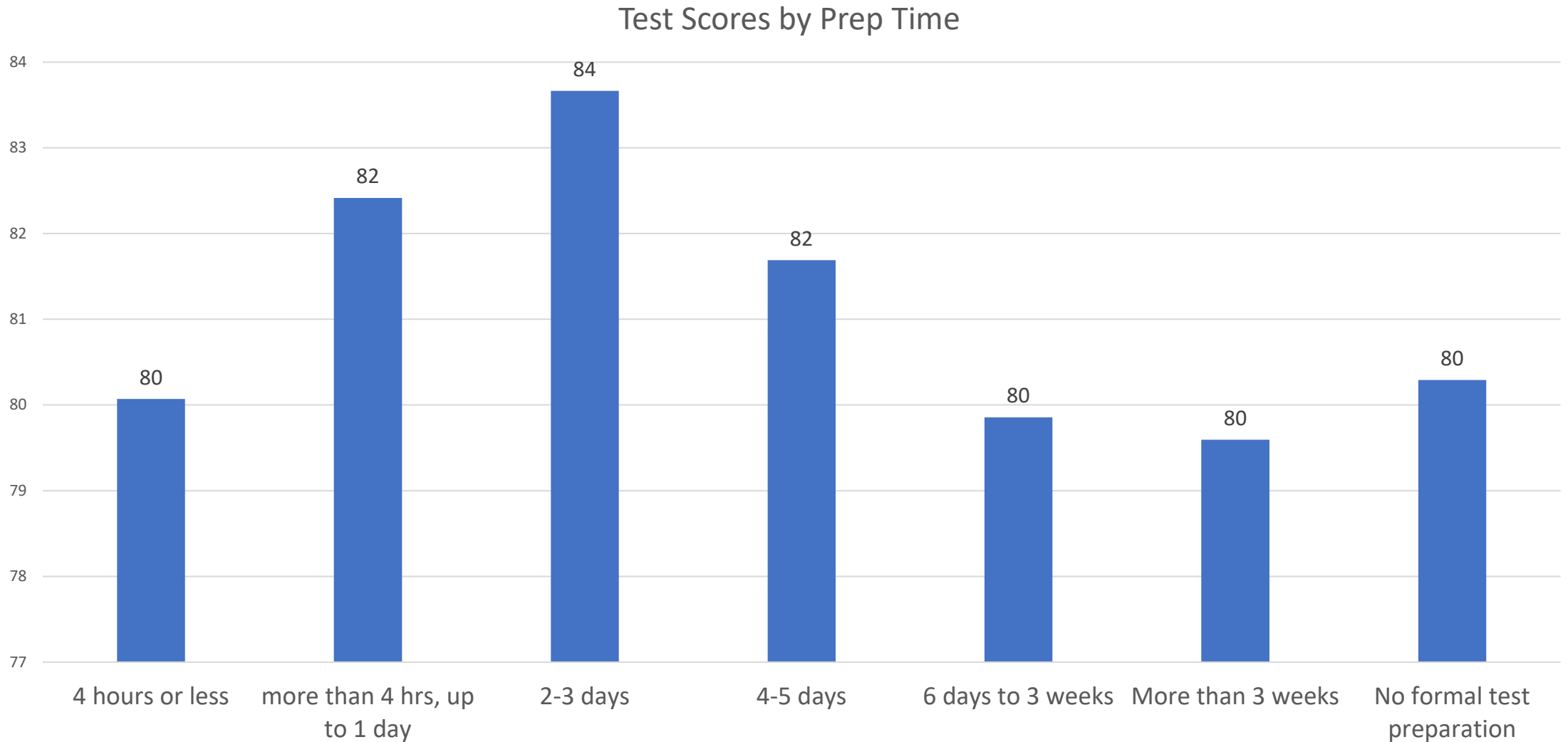
Test Scores by Type of Training



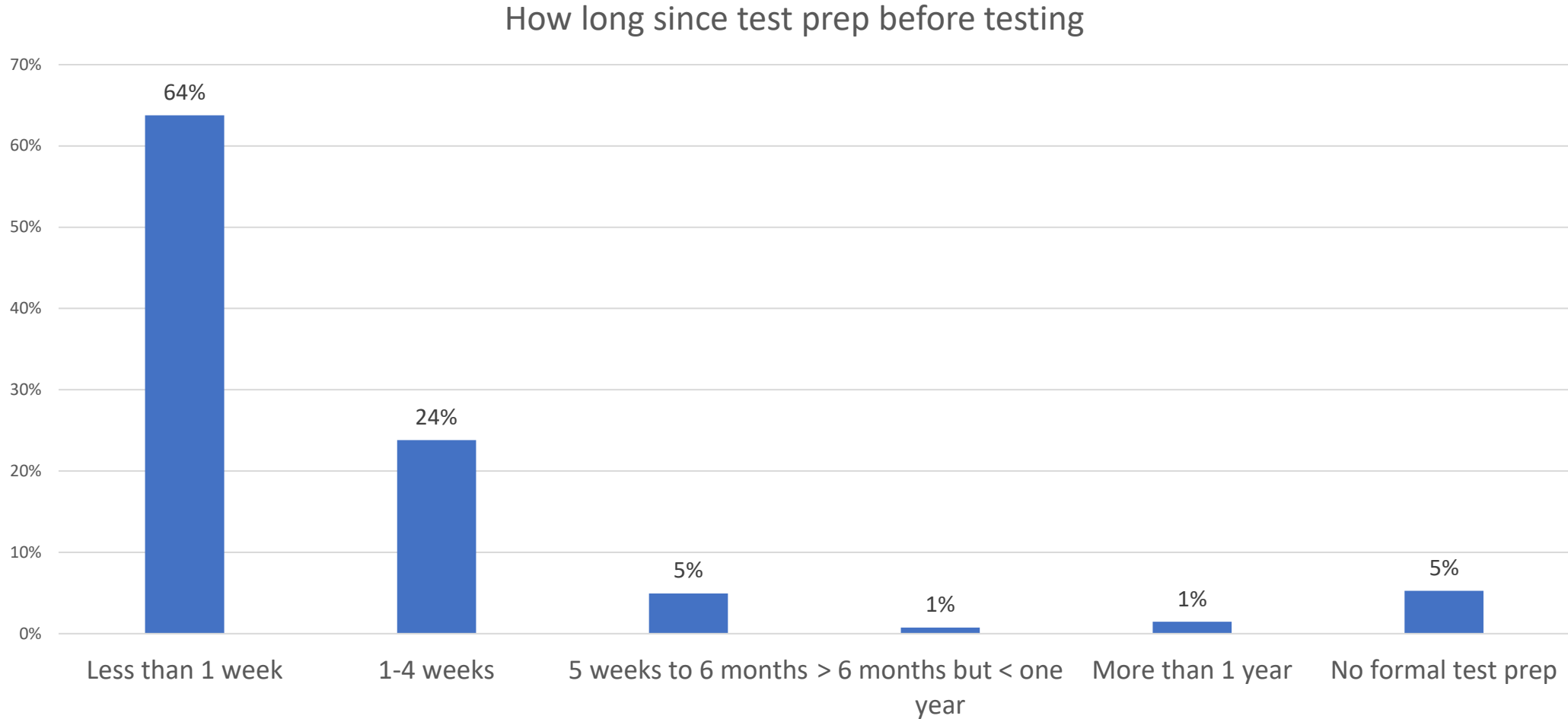
How much test preparation in the classroom did you receive?



How much test preparation in the classroom did you receive?

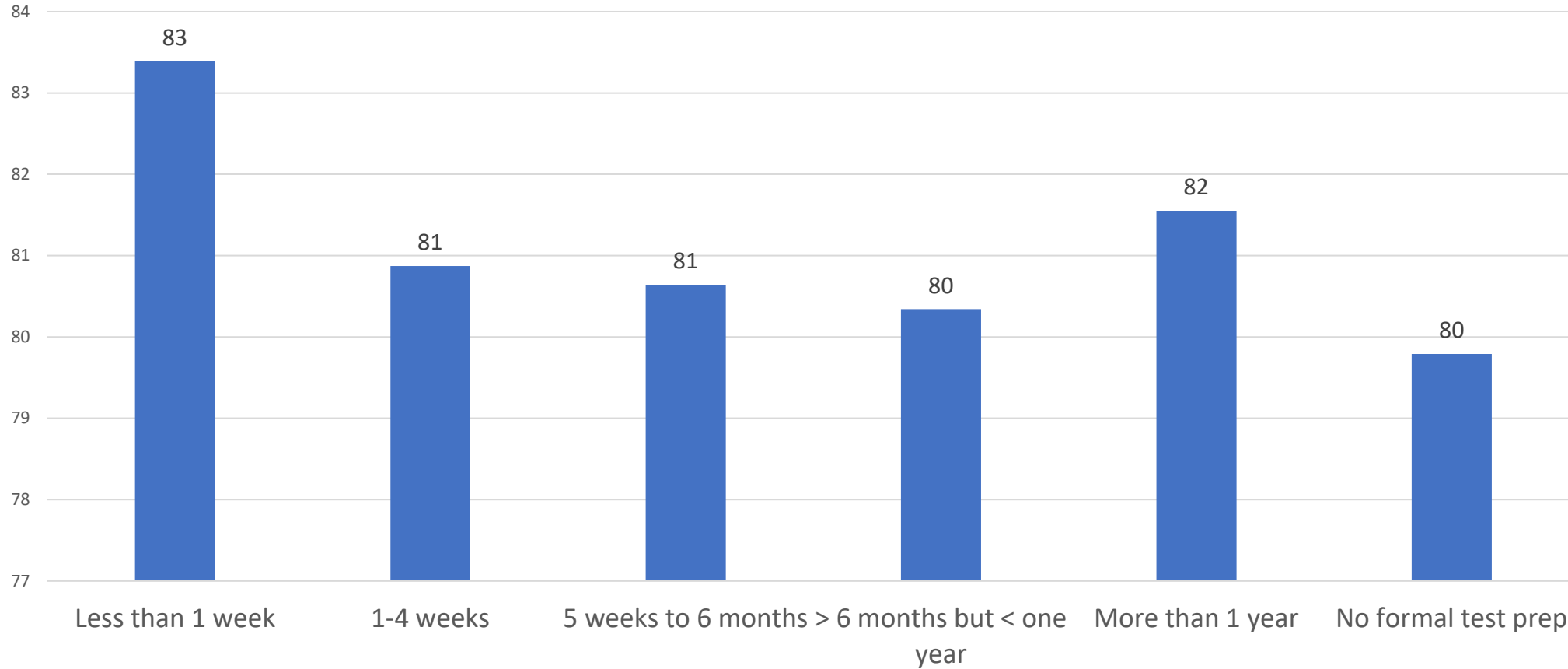


How long before taking this exam did you receive your test preparation



How long before taking this exam did you receive your test preparation

Scores by time since test prep



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