Revit MEP Benchmarking
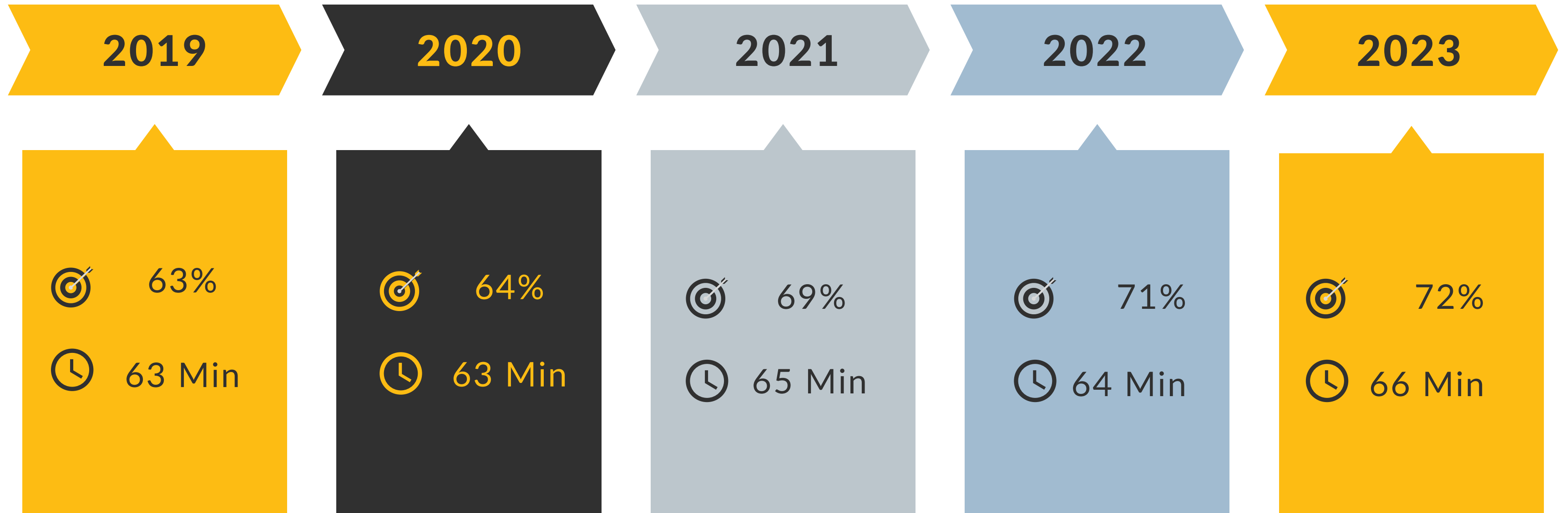
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REVIT MEP MECHANICAL FUNDAMENTALS

VARIANCES IN OUR OVERALL BENCHMARK DATA

2019	2020	2021	2022	2023
63%	64%	69%	71%	72%
63 Min	63 Min	65 Min	64 Min	66 Min

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GLOBAL AVERAGE REVIT MEP MECHANICAL FUNDAMENTALS

BY WORLD REGION (TOP 10) - SCORE (ACCURACY) AND ELAPSED TIME

68.96% in 60 Minutes

1. **Vietnam** 77.58% in 66 Min
2. **Ireland** 72.55% in 48 Min
3. **India** 70.77% in 62 MIn
4. **Australia** 70.14% in 54 Min
5. **South Africa** 69.96% in 59 Min
6. **USA** 69.86% in 61 Min
7. **United Kingdom** 66.22% in 48 Min
8. **UAE** 66.02% in 74 Min
9. **Canada** 65.95% in 78 Min
10. **Singapore** 64.57% in 47 Min

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REVIT MEP MECHANICAL FUNDAMENTALS
USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)

KNOWLEDGESMART
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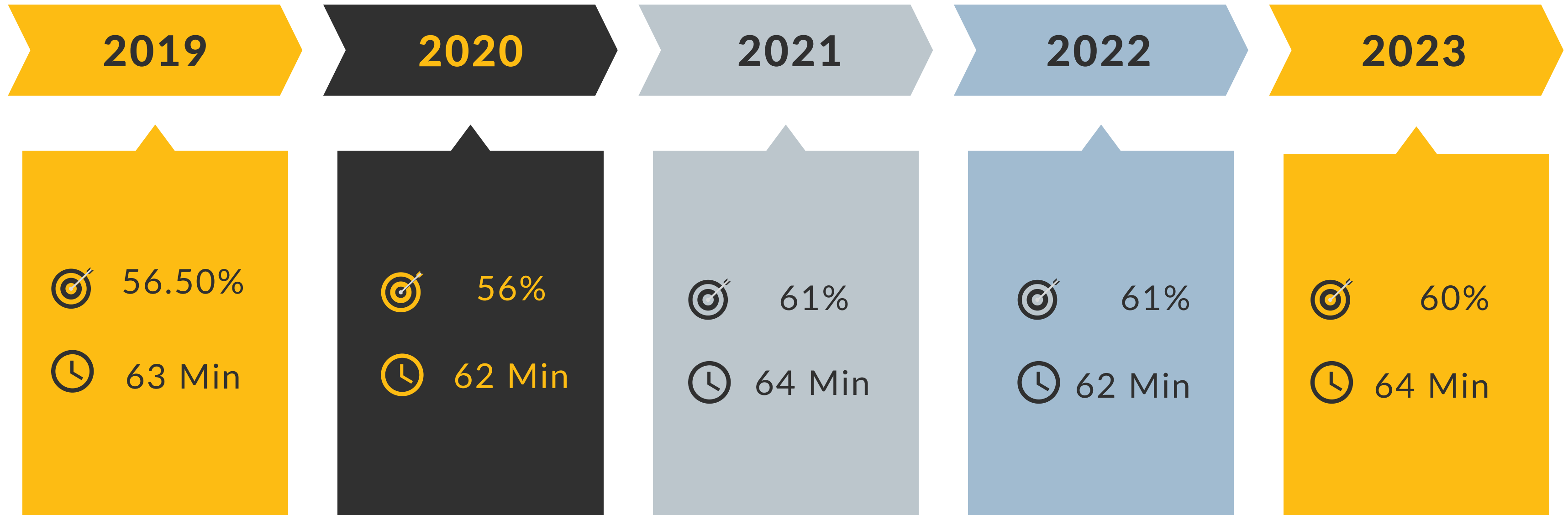## TOP STATES (SCORE AND TIME)

USA AVERAGE
69.72%
in 58 Minutes

Michigan	76.81%	60 min
Georgia	73.86%	51 min
Colorado	73.20%	60 min
Florida	69.90%	55min
California	67.11%	56 min
Masschusetts	66.60%	42 min
Illinois	66.53%	60 min
New York	65.73%	80 min
Pennsylvania	62.87%	66 min
Texas	62.51%	58 min
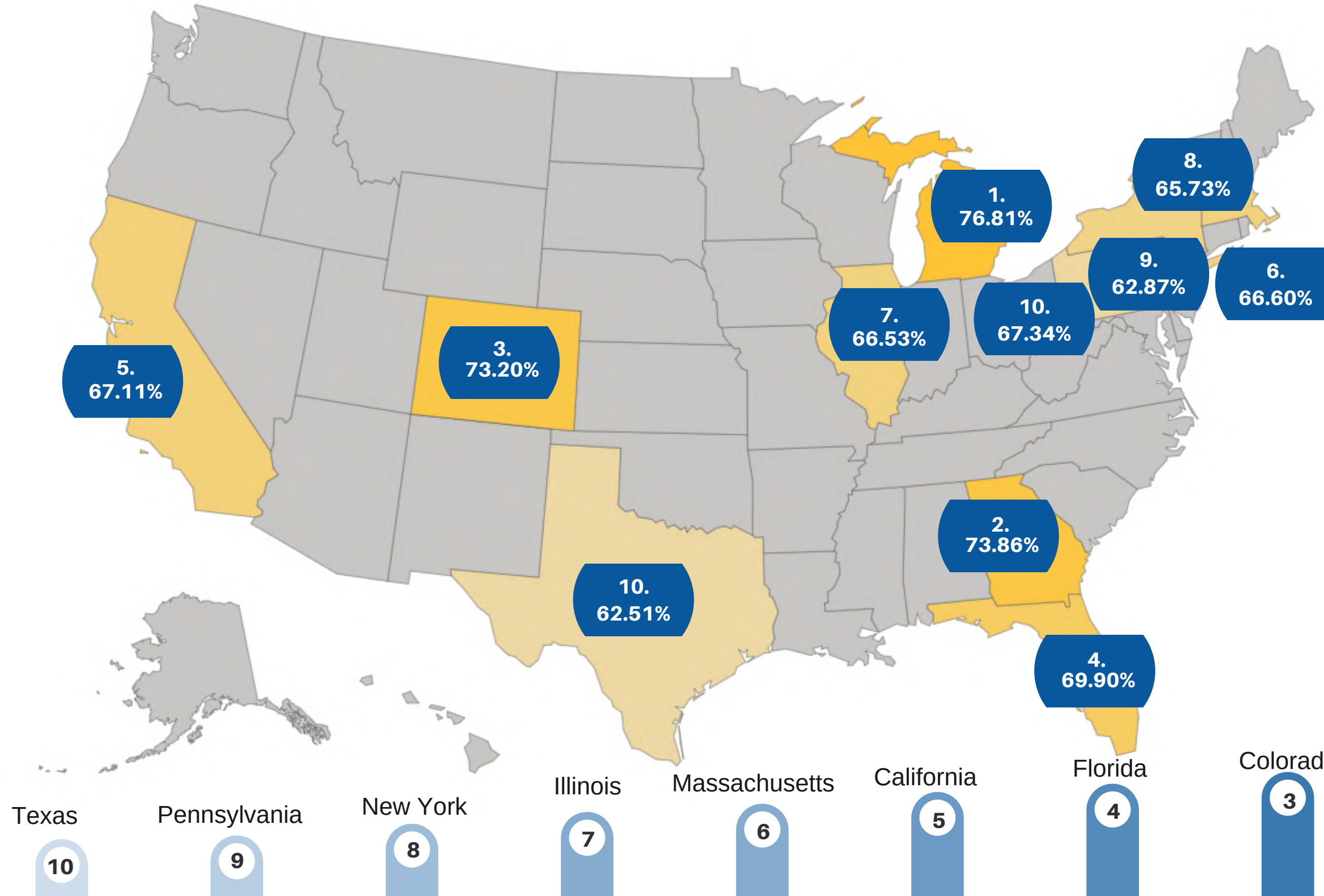
Map markers:
- 8. 65.73%
- 1. 76.81%
- 9. 62.87%
- 6. 66.60%
- 7. 66.53%
- 10. 67.34%
- 3. 73.20%
- 5. 67.11%
- 2. 73.86%
- 10. 62.51%
- 4. 69.90%

Texas 10
Pennsylvania 9
New York 8
Illinois 7
Massachusetts 6
California 5
Florida 4
Colorado 3
Georgia 2
Michigan 1

REVIT MEP MECHANICAL ADVANCED

VARIANCES IN OUR OVERALL BENCHMARK DATA

2019	2020	2021	2022	2023
56.50%	56%	61%	61%	60%
63 Min	62 Min	64 Min	62 Min	64 Min

KNOWLEDGESMART

GLOBAL AVERAGE REVIT MEP MECHANICAL ADVANCED

BY WORLD REGION (TOP 10) - SCORE (ACCURACY) AND ELAPSED TIME

51.48% in 72 Minutes

1 **Kuwait** 71.45% in 69Min

2 **Phillipines** 62.47% in 60 Min

3 **South Africa** 61.65%% in 64 MIn

4 **USA** 59.33% in 66 Min

5 **UAE** 58.28% in 70 Min

6 **Singapore** 55.87% in 52 Min

7 **India** 54.61% in 60 Min

8 **United Kingdom** 51.77% in 66 Min

9 **Canada** 50.29% in 60 Mmin

10 **Australia** 42% in 60 min

KNOWLEDGESMART
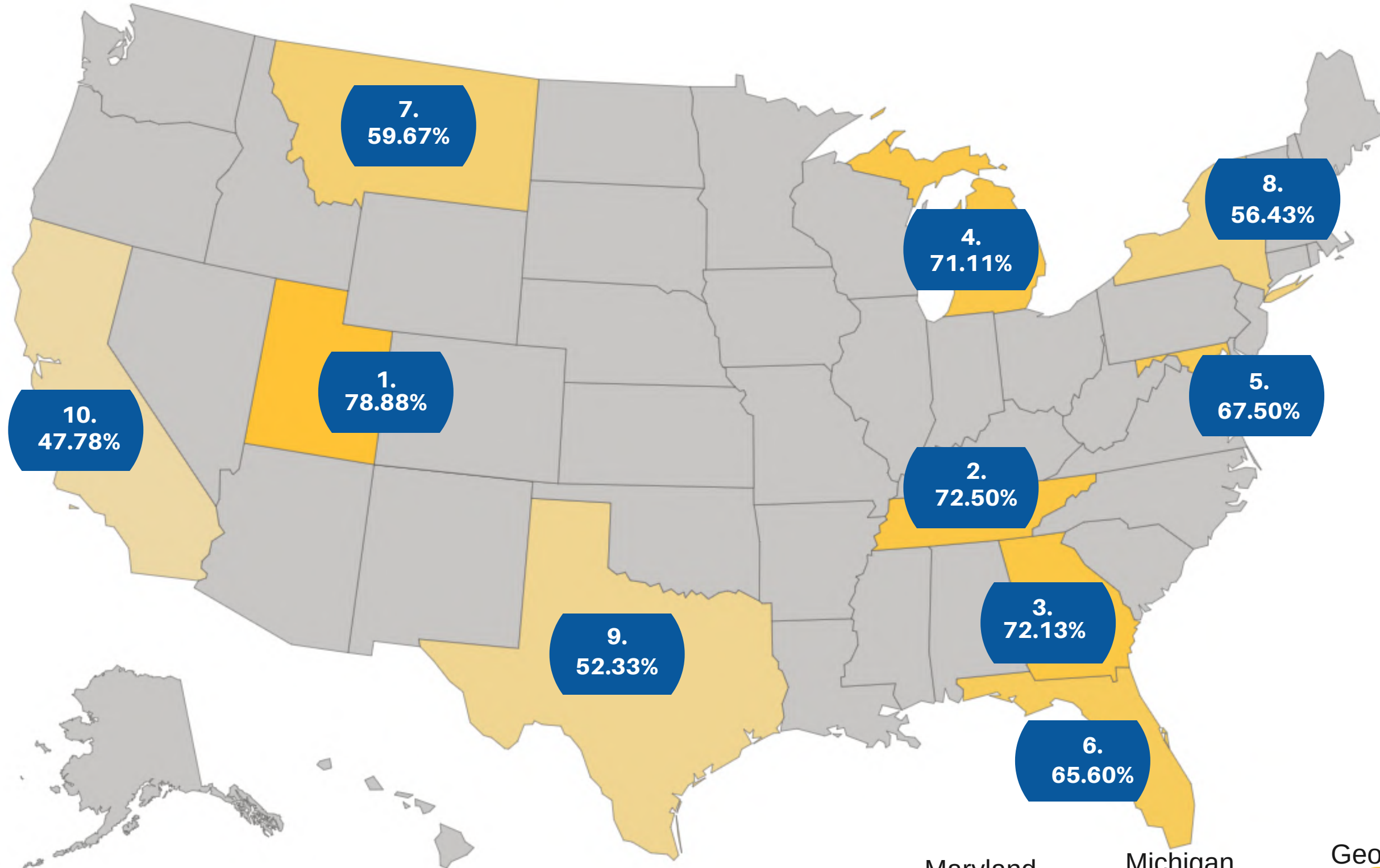AN EAGLE POINT SOFTWARE COMPANY

REVIT MEP MECHANICAL ADVANCED
USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)
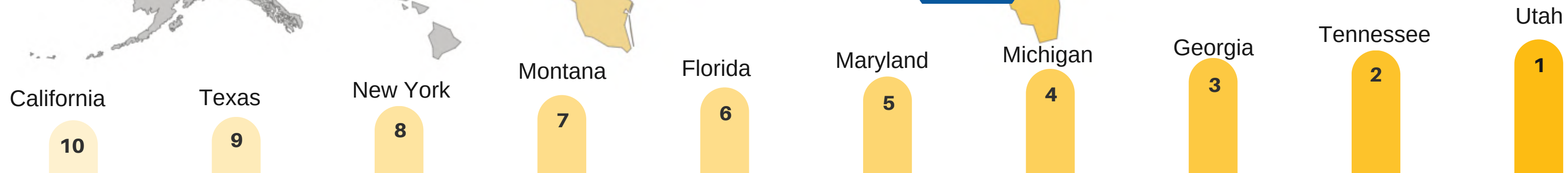
KNOWLEDGESMART
AN EAGLE POINT SOFTWARE COMPANY

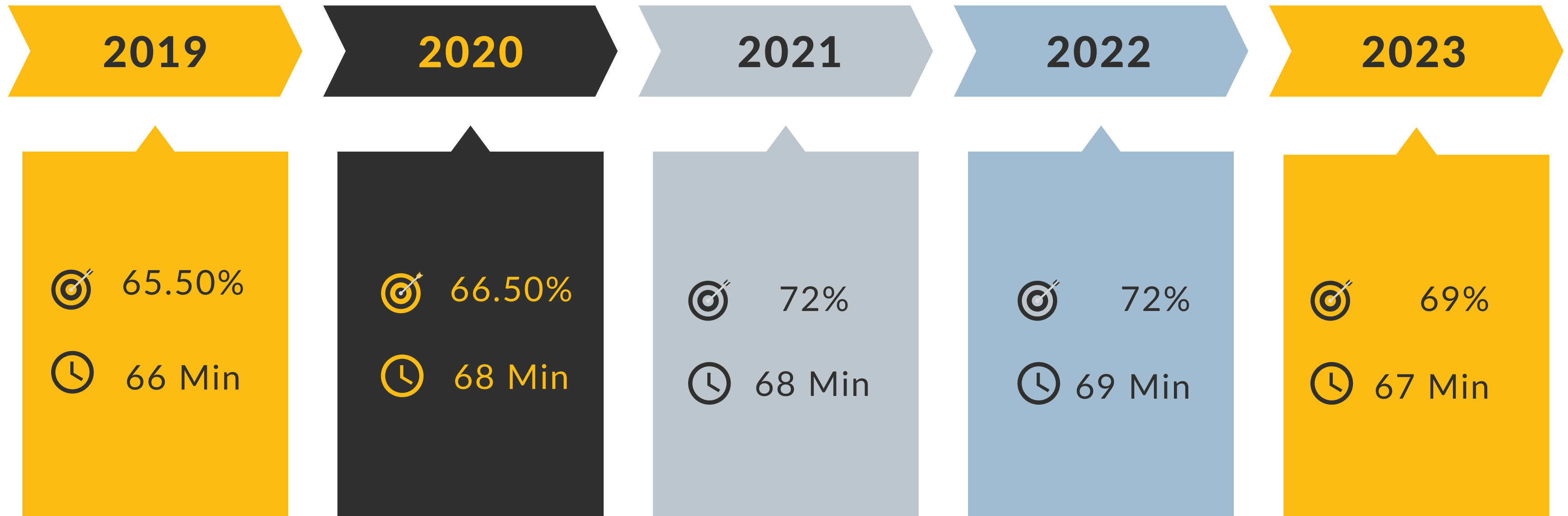## TOP STATES (SCORE AND TIME)

USA AVERAGE

59.25%

in 64 Minutes

Utah	78.88 %	38 min
Tennessee	72.50 %	54 min
Georgia	72.13 %	59 min
Michigan	71.11 %	68 min
Maryland	67.50 %	120 min
Florida	65.60 %	70 min
Montana	59.67 %	49 min
New York	56.43 %	61 min
Texas	52.33 %	59 min
California	47.78 %	83 min

7. 59.67%

4. 71.11%

8. 56.43%

1. 78.88%

10. 47.78%

5. 67.50%

2. 72.50%

3. 72.13%

9. 52.33%

6. 65.60%

Utah — 1
Tennessee — 2
Georgia — 3
Michigan — 4
Maryland — 5
Florida — 6
Montana — 7
New York — 8
Texas — 9
California — 10

REVIT MEP PLUMBING FUNDAMENTALS

VARIANCES IN OUR OVERALL BENCHMARK DATA

2019	2020	2021	2022	2023
65.50%	66.50%	72%	72%	69%
66 Min	68 Min	68 Min	69 Min	67 Min

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GLOBAL AVERAGE REVIT MEP PLUMBING FUNDAMENTALS

BY WORLD REGION (TOP 10) - SCORE (ACCURACY) AND ELAPSED TIME

71.83% in 51 Minutes

1 Vietnam 81.13% in 57 Min

2 India 74.80% in 47 Min

3 USA 71.89% in 53 MIn

4 Kuwait 70.65% in 55 Min

5 Singapore 70.47% in 42 Min

6 United Kingdom 69.58% in 53 Min

7 South Africa 68.66% in 55 Min

8 Australia 66.87% in 50 Min

9 UAE 66.82% in 59 Min

10 Canada 66.08% in 46Min

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REVIT MEP PLUMBING FUNDAMENTALS
USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)

KNOWLEDGESMART
AN EAGLE POINT SOFTWARE COMPANY

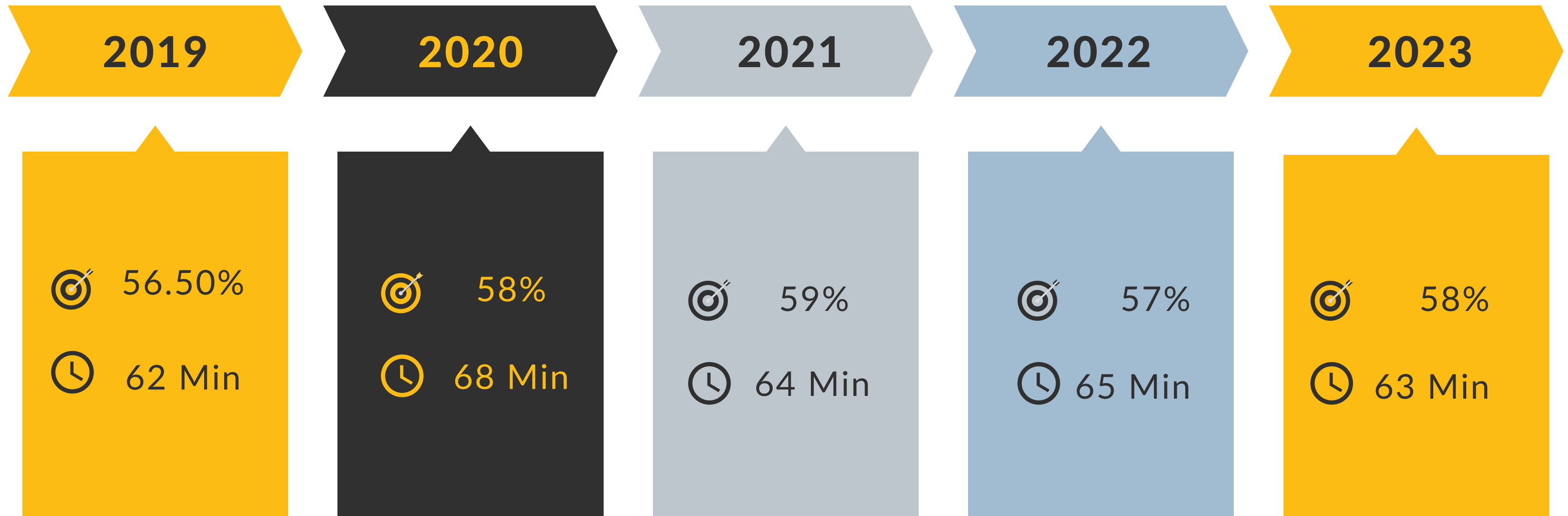6. 69.21%

4. 70.35%

3. 71.27%

9. 63.91%

10. 60.86%

4. 70.90%

2. 72.24%

3. 73.22%

5. 70.42%

7. 67.79%

6. 68.40%

8. 64.71%

TOP STATES (SCORE AND TIME)

USA AVERAGE
73%
in 52 Minutes

Michigan	77.62%	48 min
Minnesota	77.17%	41 min
Ohio	73.22%	53 min
Pennsylvania	70.90%	58 min
California	70.42%	63 min
Texas	68.40%	60 min
Georgia	67.79%	66 min
Florida	64.71%	68 min
New York	63.91%	46 min
New Jersey	60.86%	49 min

Georgia

Texas

California

Pennsylvania

Ohio

Minnesota

Michigan

New Jersey

New York

Florida

1

2

3

4

5

6

7

8

9

10
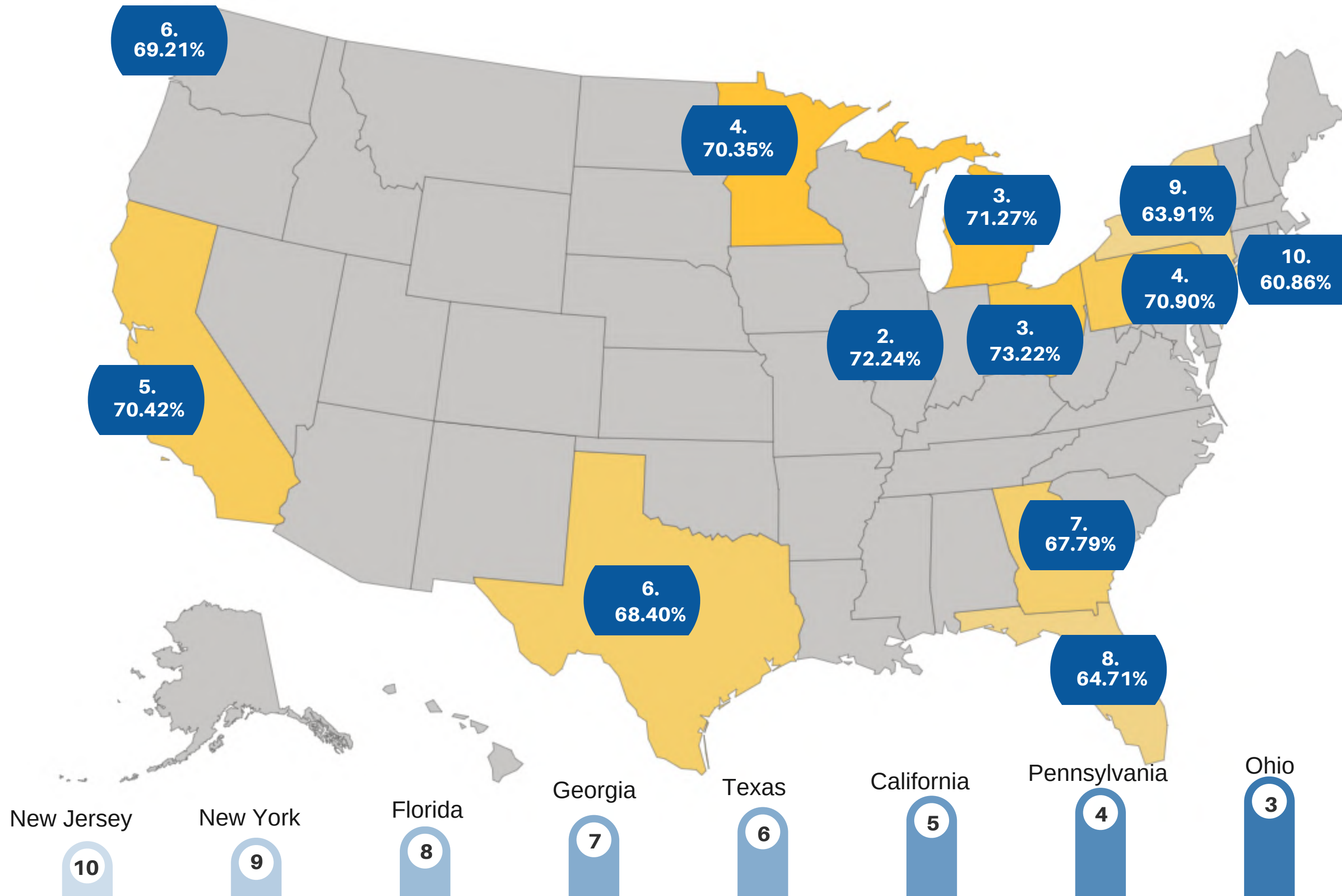
REVIT MEP PLUMBING ADVANCED

VARIANCES IN OUR OVERALL BENCHMARK DATA

2019	2020	2021	2022	2023
56.50%	58%	59%	57%	58%
62 Min	68 Min	64 Min	65 Min	63 Min

KNOWLEDGESMART
AN EAGLE POINT SOFTWARE COMPANY

GLOBAL AVERAGE REVIT MEP PLUMBING ADVANCED

BY WORLD REGION (TOP 10) - SCORE (ACCURACY) AND ELAPSED TIME

57.48% in 65 Minutes

1. **United Kingdom** 67.75% in 58 Min
2. **Kuwait** 66.33% in 56 Min
3. **South Africa** 52.49% in 71 MIn
4. **USA** 60.68% in 66 Min
5. **Philippines** 60.05% in 59 Min
6. **India** 55.45% in 62 Min
7. **UAE** 52.25% in 74 Min
8. **Australia** 50.14% in 69 min
9. **Canada** 48.62% in 54 min
10. **Singapore** 47.22% in 65 min

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REVIT MEP PLUMBING ADVANCED

USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)

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TOP STATES (SCORE AND TIME)

USA AVERAGE

62%

in 65 Minutes
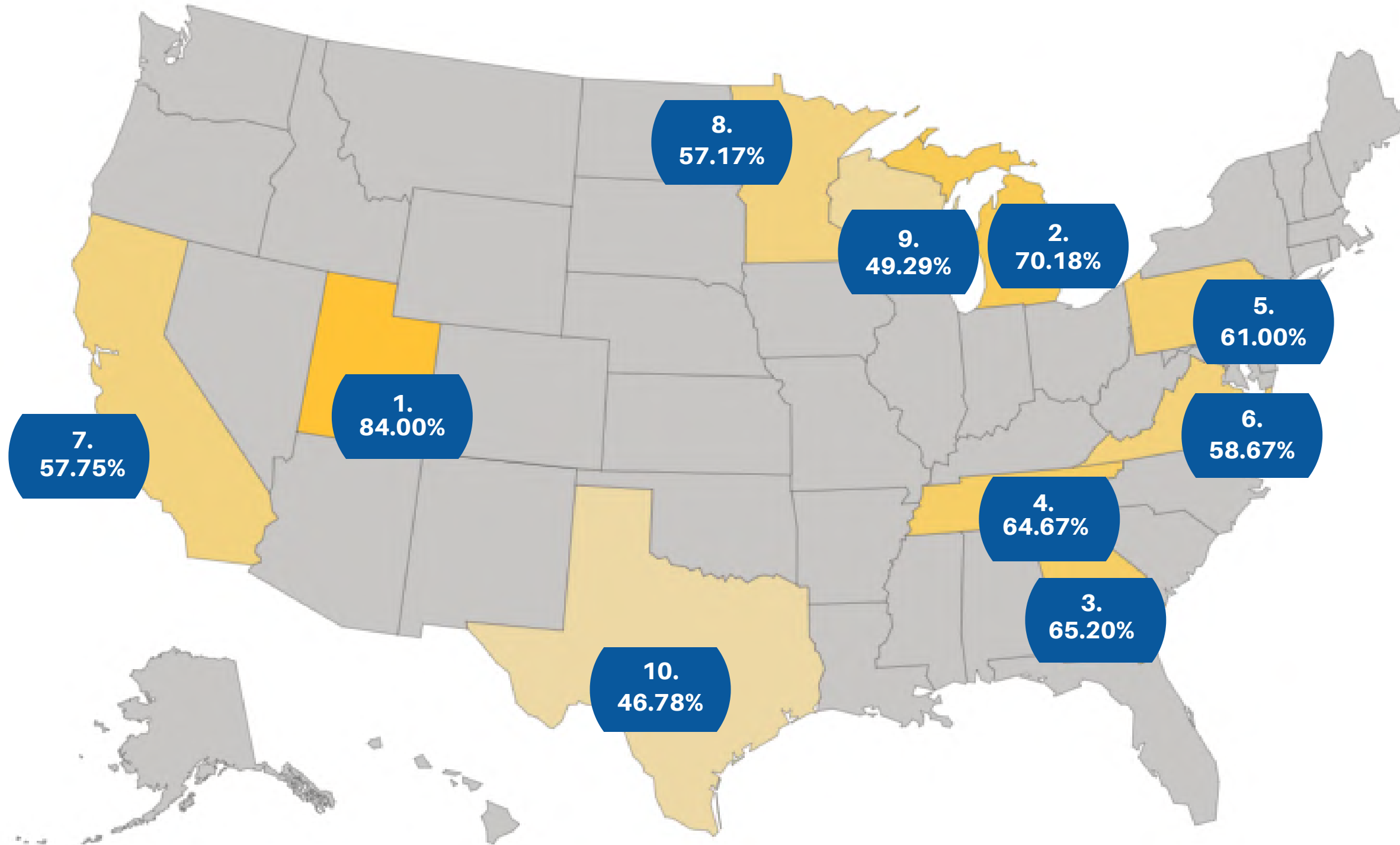
Utah	84.00 %	44 min
Michigan	70.18 %	56 min
Georgia	65.20 %	38 min
Tennessee	64.67 %	72 min
Pennsylvania	61.00 %	56 min
Virginia	58.67 %	101 min
California	57.75 %	82 min
Minnesota	57.17 %	71 min
Wisconsin	49.29%	54 min
Texas	46.78%	70 min
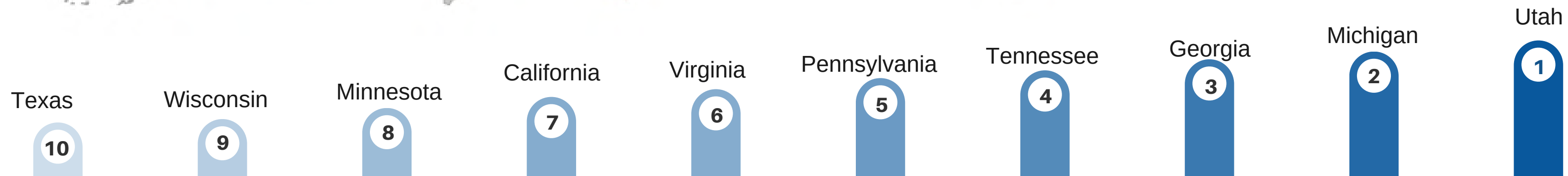
Map labels:
- 8. 57.17%
- 9. 49.29%
- 2. 70.18%
- 5. 61.00%
- 7. 57.75%
- 1. 84.00%
- 6. 58.67%
- 4. 64.67%
- 3. 65.20%
- 10. 46.78%

Bottom rankings:
- Texas 10
- Wisconsin 9
- Minnesota 8
- California 7
- Virginia 6
- Pennsylvania 5
- Tennessee 4
- Georgia 3
- Michigan 2
- Utah 1
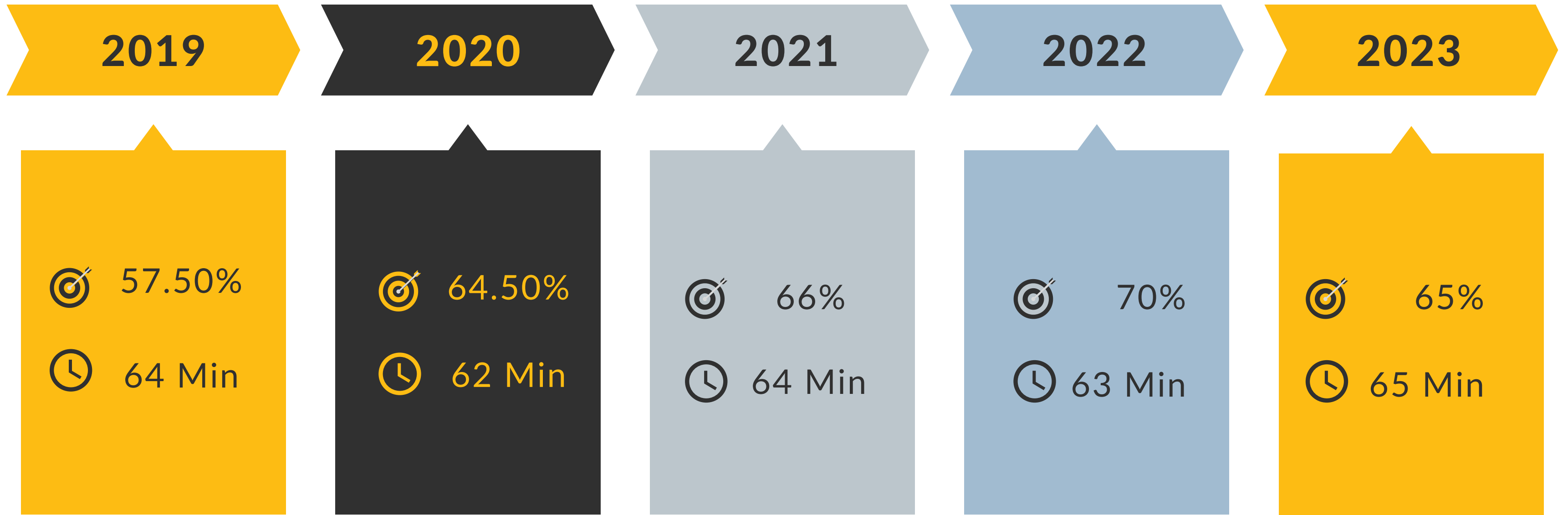
GLOBAL AVERAGE REVIT MEP ELECTRICAL FUNDAMENTALS

BY WORLD REGION (TOP 10) - SCORE (ACCURACY) AND ELAPSED TIME

1 Kuwait
81.46% in 58 Min

2 USA
70.98% in 68 Min

3 India
68.87% in 63 MIn

4 Australia
67.54% in 66 Min

5 Lebanon
65.60% in 79 Min

6 South Africa
65.07% in 67 Min

7 UAE
63.31% in 72 Min

8 United Kingdom
62.64% in 51 Min

9 Singapore
62.20% in 55 Min

10 Canada
60.53% in 77 Min
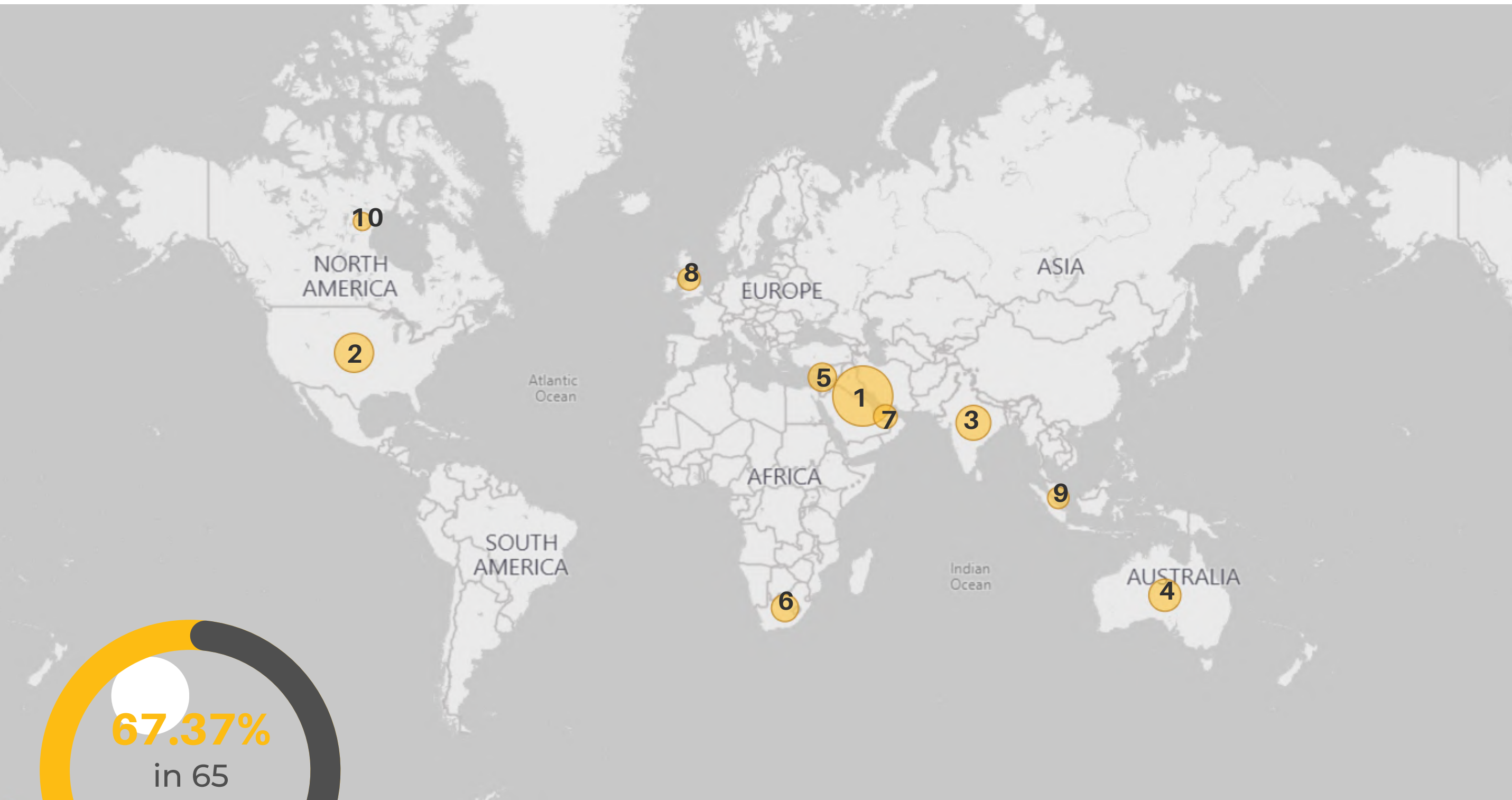
67.37% in 65 Minutes

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REVIT MEP ELECTRICAL FUNDAMENTALS
USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)

KNOWLEDGE**SMART**
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1. 79.92%

2. 79.58%

7. 68.02%

3. 75.05%

5. 68.61%

6. 68.09%

8. 67.19%

10. 62.58%

9. 63.59%

4. 71.76%

TOP STATES (SCORE AND TIME)

USA AVERAGE
72%
in 65 Minutes
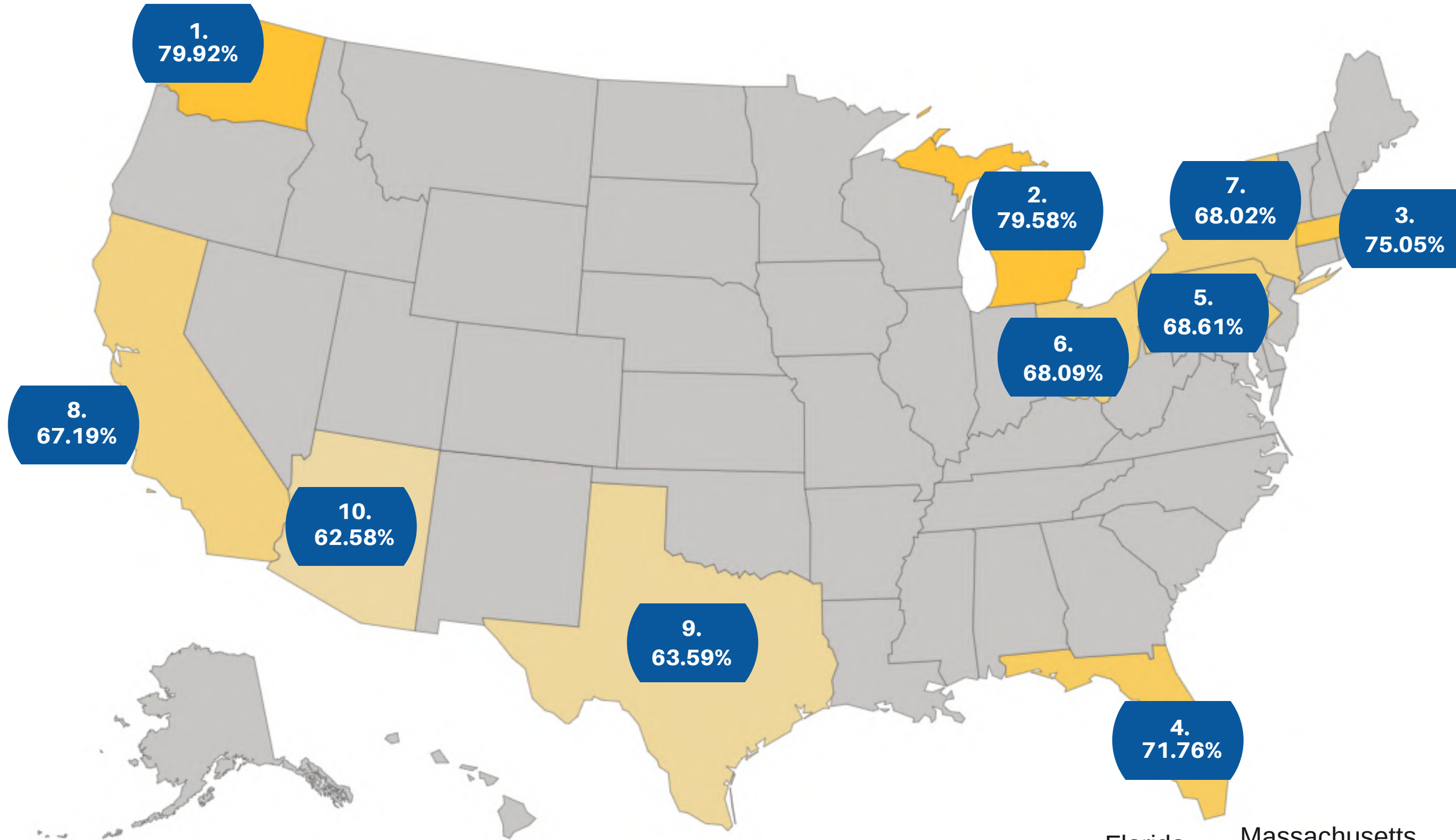
Washington	79.92%	63 min
Michigan	79.58%	71 min
Massachusetts	75.05%	35 min
Florida	71.76%	74 min
Pennsylvania	68.61%	57 min
Ohio	68.09%	59 min
New York	68.02%	65 min
California	67.19%	68 min
Texas	63.59.%	61 min
Arizona	62.58%	79 min

Washington 1

Michigan 2

Massachusetts 3

Florida 4

Pennsylvania 5

Ohio 6

New York 7

California 8

Texas 9

Arizona 10

REVIT MEP ELECTRICAL ADVANCED

VARIANCES IN OUR OVERALL BENCHMARK DATA

2019	2020	2021	2022	2023
57.50%	64.50%	66%	63%	61%
64 Min	62 Min	64 Min	59 Min	60 Min

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REVIT MEP ELECTRICAL ADVANCED
USA BY STATE - SCORE (ACCURACY AND ELAPSED TIME)

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TOP STATES (SCORE AND TIME)

USA AVERAGE
69.79%
in 42 Minutes

Florida	83.60 %	74 min
Michigan	78.00 %	54 min
Utah	62.62 %	29 min
California	70.09 %	66 min
Virginia	68.29 %	41 min
Georgia	67.17 %	22 min
Pennsylvania	65.14 %	48 min
New York	63.27 %	35 min
Texas	57.67 %	48 min
Wisconsin	47.83 %	41 min

Map callouts:
- 10. 47.83%
- 2. 78.00%
- 8. 563.27%
- 7. 65.14%
- 3. 62.62%
- 3. 67%
- 4. 70.09%
- 5. 68.29%
- 6. 68.51%
- 9. 57.67%
- 5. 66.03%

Rankings:
- Florida 1
- Michigan 2
- Utah 3
- California 4
- Virginia 5
- Georgia 6
- Pennsylvania 7
- New York 8
- Texas 9
- Wisconsin 10
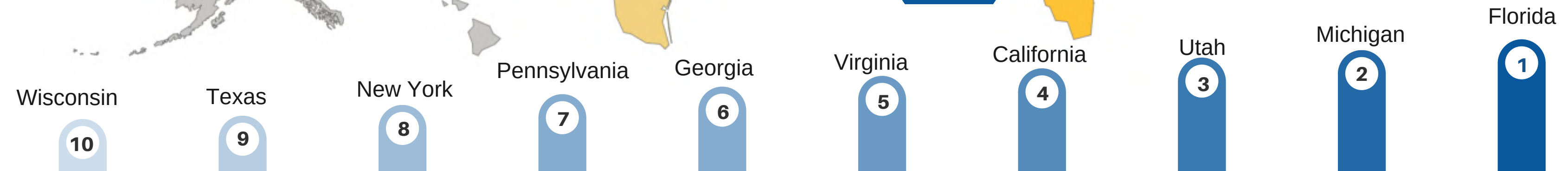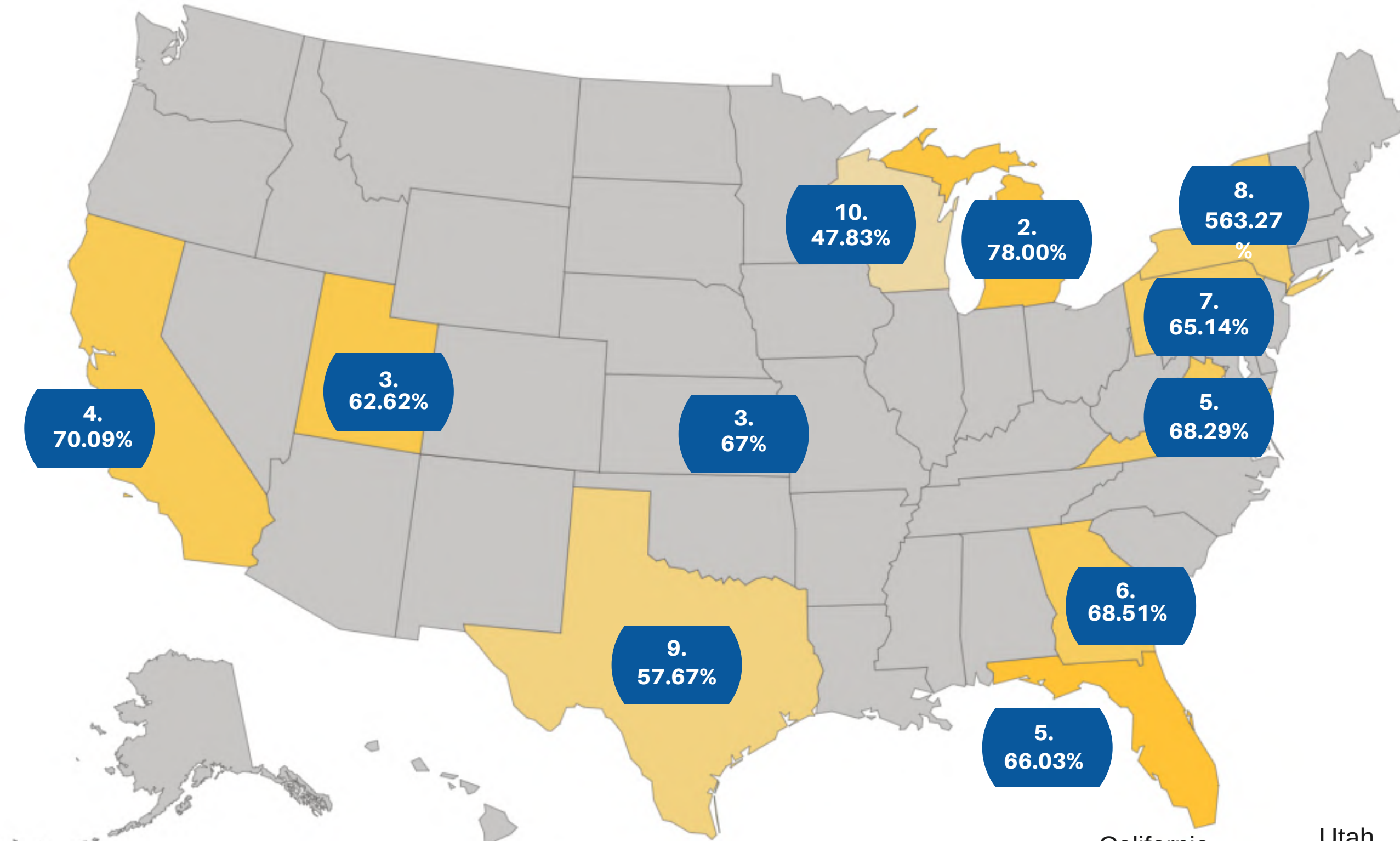
REVIT MEP SKILLS
- A DETAILED BREAKDOWN BY DISCIPLINE AND USER BACKGROUND

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MEP ENGINEERS

- Regular users 71% in 60 Min

- Part-time users 67% in 65 Min

- 1 - 5 years' experience (all types) 67.46% in 65 Min

- 6 - 10 years' experience (all types) 70% in 55 Min

- On the job learning (all types) 70.46% in 68 Min

- Formal learning (all types) 69% in 60 Min

- Online/Web Based Training 68% in 63 Min

The average Revit MEP
self-rating score for MEP Engineers is:

2.91
out of 5

Basic knowledge, can get by working on a project but could do better

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
71.09%	74.01%	73.44%
60 Min	52 Min	90 Min

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
71.20%	67.08%	66.50%
61 Min	56 Min	61 Min

OCCASIONAL USE (WEEKLY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
65.60%	65.64%	66.56%
90 Min	61 Min	75 Min

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
68.04%	65.64%	59.20%
64 Min	67 Min	54 Min

MEP ENGINEER

69.04% IN 62 MIN

OCCASIONAL USE (WEEKLY)

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
64.48%	64.70%	61.09%
72 Min	42 Min	52 Min

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
64.48%	64.70%	61.09%
72 Min	42 Min	52 Min

UNITED KINGDOM

66.86% IN 55 MIN

MEP ENGINEER

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
72.28%	54%	46%
68 Min	96 Min	36 Min

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
69.16%	54%	46%
67 Min	96 Min	36 Min

OCCASIONAL USE (WEEKLY)

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
🎯 65.40%	🎯 79.67%	🎯 57%
🕐 149 Min	🕐 89 Min	🕐 107 Min

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
🎯 78.49%	🎯 68.53%	🎯 71.17%
🕐 58 Min	🕐 53 Min	🕐 87 Min

CANADA

65.65% IN 96 MIN

MEP ENGINEER
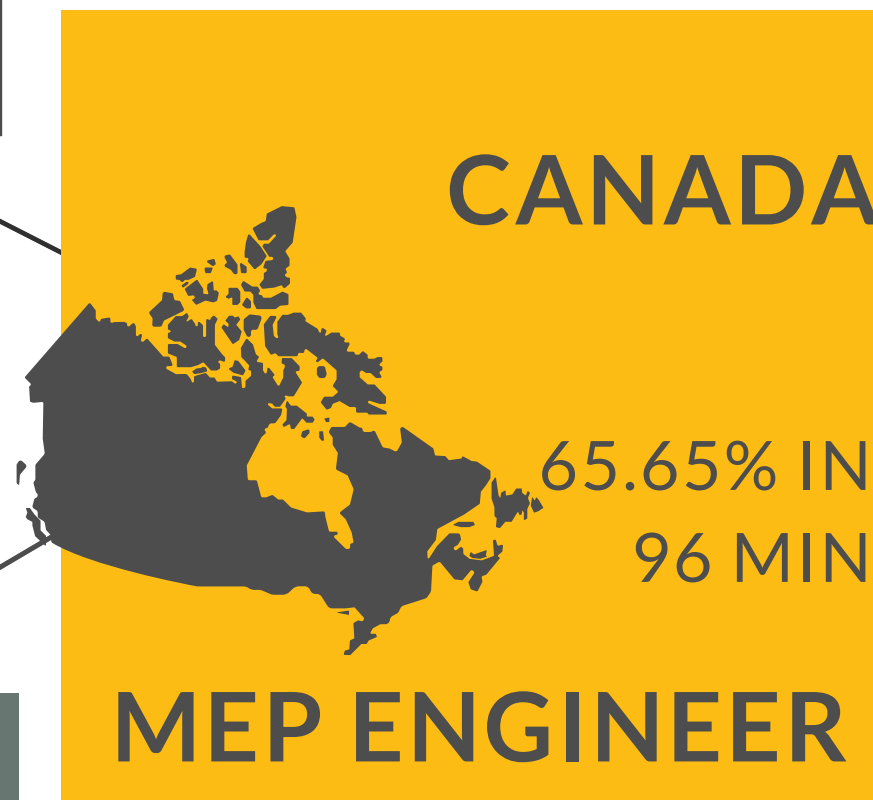
FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
🎯 64.13%	🎯 46%	🎯 46%
🕐 62 Min	🕐 35 Min	🕐 64 Min

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
🎯 63.20%	🎯 56.00%	🎯 69.67%
🕐 47 Min	🕐 88 Min	🕐 97 Min

OCCASIONAL USE (WEEKLY)

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
64.49%	72.16%	81%
125 Min	61 Min	102 Min

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
74.05%	80.37%	80.36%
70 Min	47 Min	94 Min

USA

75% IN 72 MIN

MEP ENGINEER
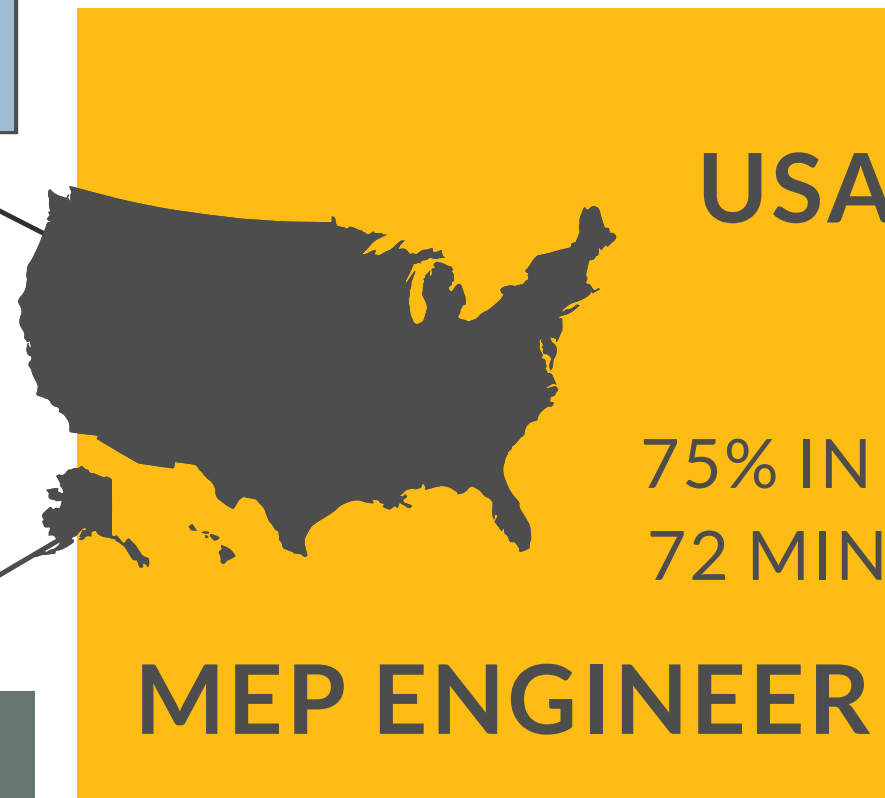
FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
71.11%	78.25%	77%
62 Min	74 Min	63 Min

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
75.07%	80.85%	74%
72 Min	48 Min	65 Min

OCCASIONAL USE (WEEKLY)

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
61.79%	58.00%	46%
74 Min	84 Min	38 Min

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
68.14%	76.76%	74.24%
71 Min	82 Min	81 Min

AUSTRALIA & NZ

69.56% IN 74 MIN

MEP ENGINEER

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
67.68%	51.60%	77.32%
73 Min	57 Min	69 Min

FORMAL EDUCATION

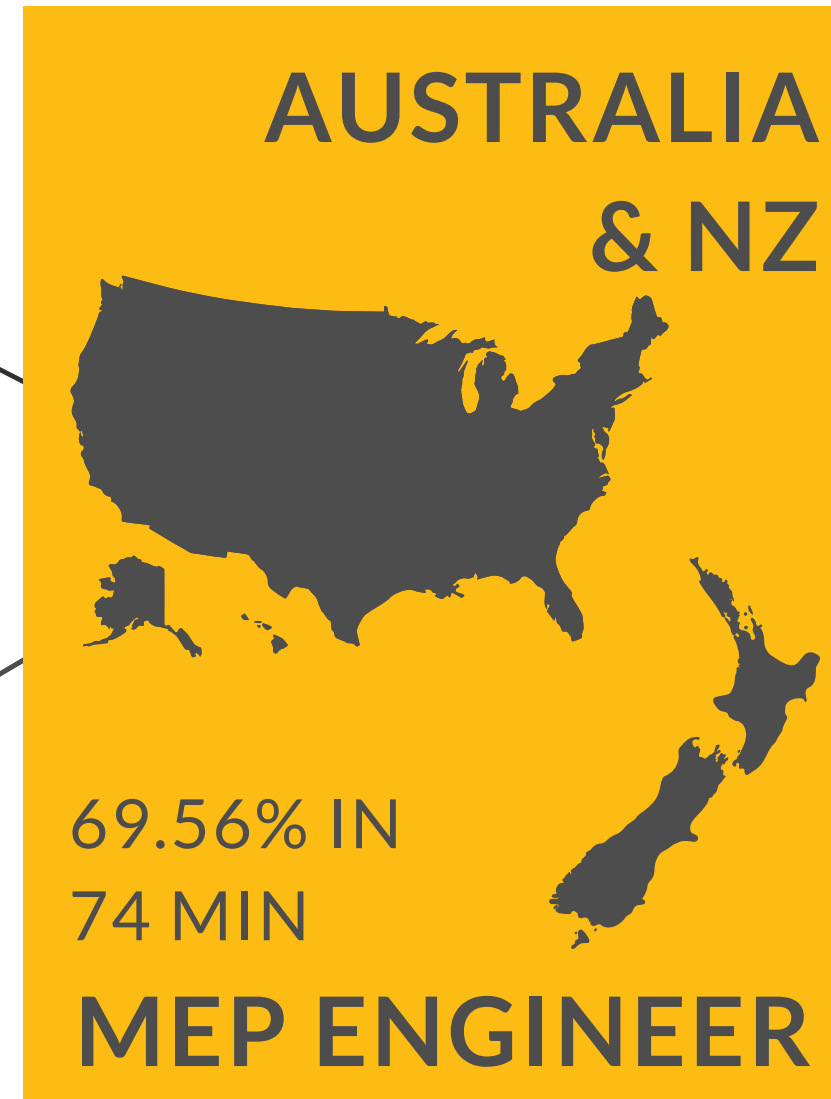| 1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
71.10%	74.44%	77.67%
74 Min	69 Min	83 Min

OCCASIONAL USE (WEEKLY)

REGULAR USE (DAILY)

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
67.06%	67.44%	57.50%
63 Min	70 Min	69 Min

SELF-TAUGHT

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
68.43%	70.09%	68.88%
69 Min	56 Min	61 Min

ASIA

67.02% IN 61 MIN

MEP ENGINEER

FORMAL EDUCATION

1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
60.34%	76.92%	39%
92 Min	54 Min	54 Min

FORMAL EDUCATION

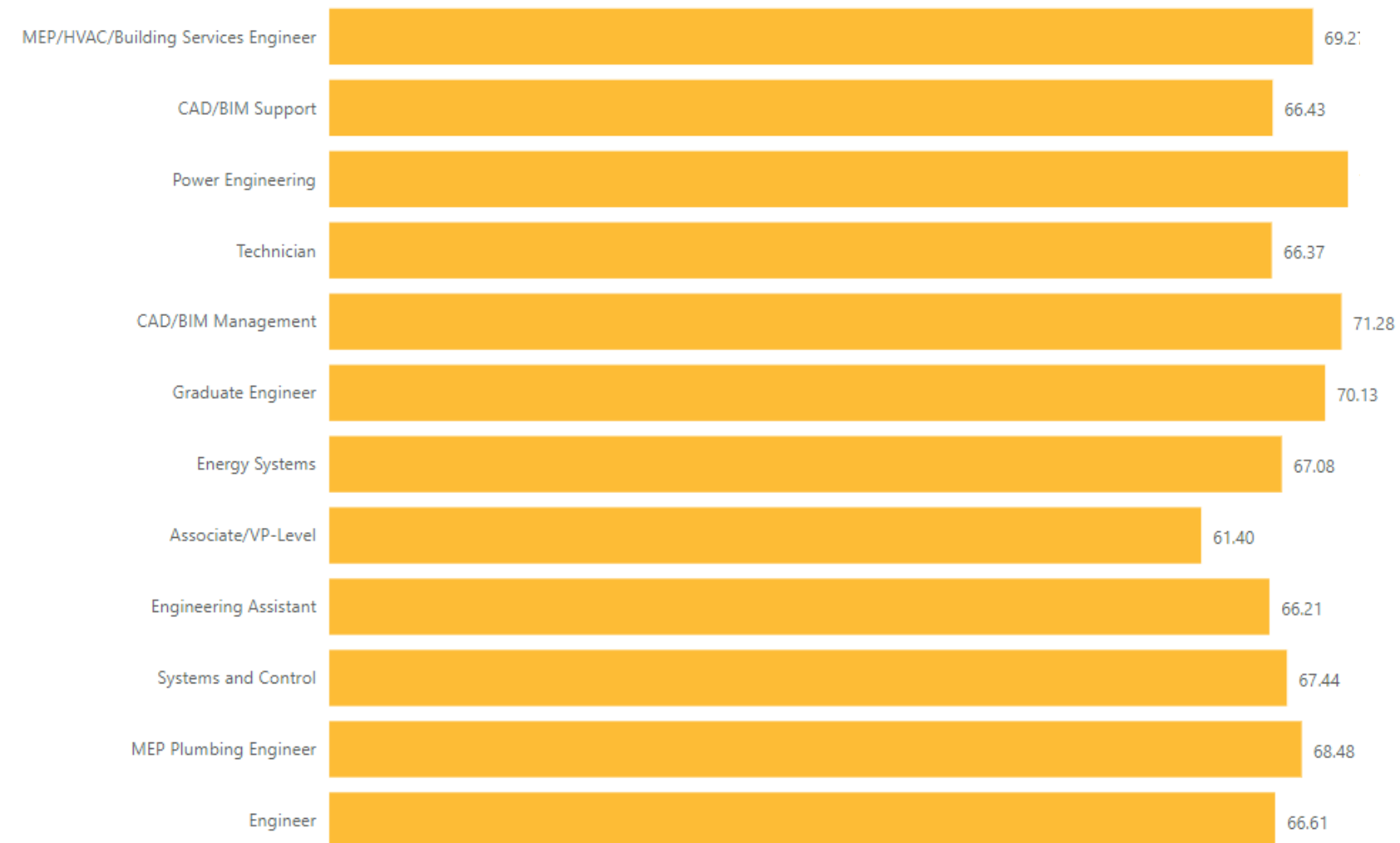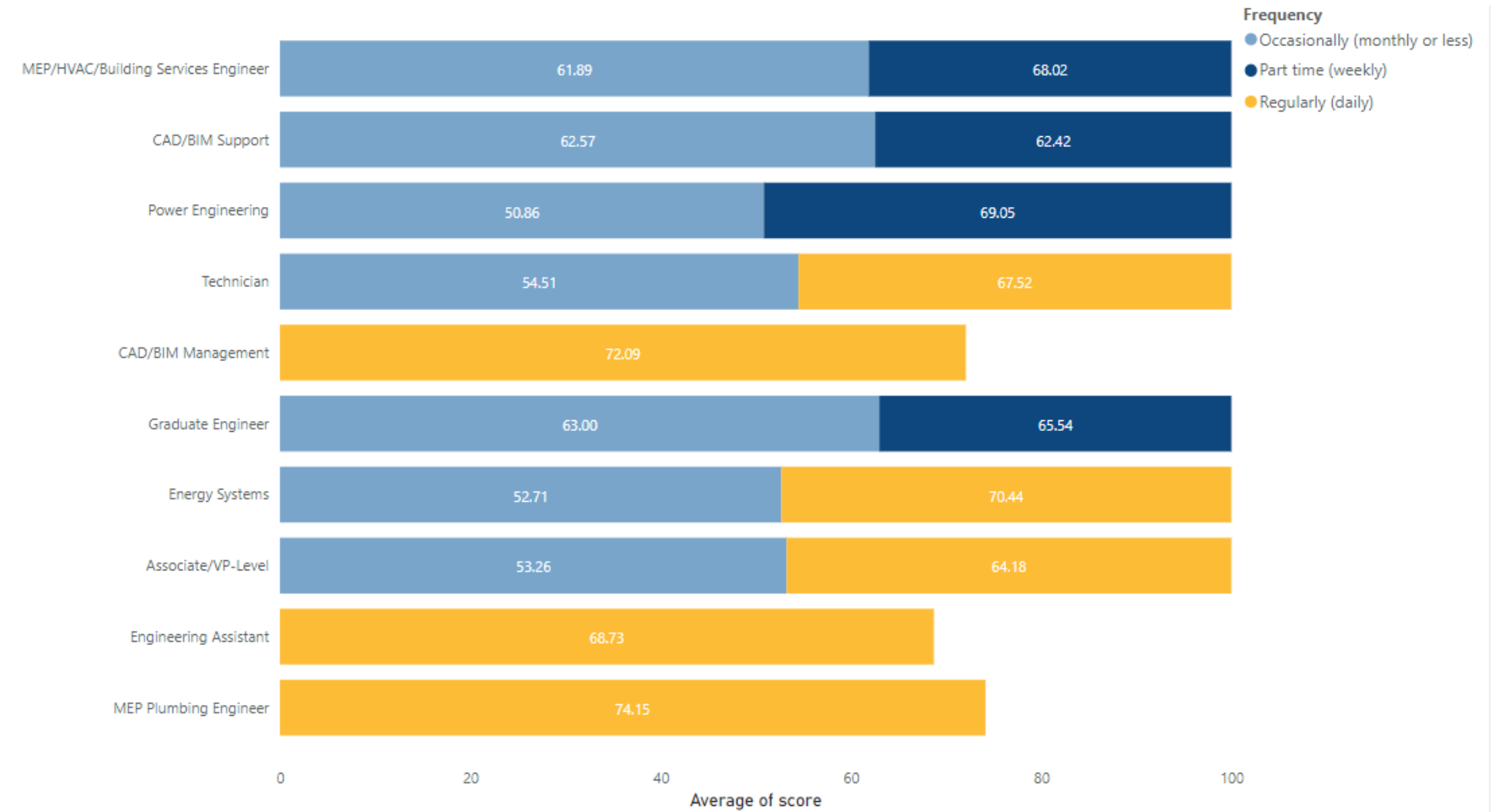| 1-5 Yrs Experience	6-10 Yrs Experience	11-15 Yrs Experience
67.50%	71.85%	69.36%
58 Min	58 Min	62 Min

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FREQUENCY OF USE AND JOB TITLE ANALYSIS

AVERAGE OVERALL SCORE 66.55% IN 59 MIN

AVERAGE ASSESSMENT SCORE PER JOB TITLE GROUPED BY FREQUENCY OF USE

Frequency
- Occasionally (monthly or less)
- Part time (weekly)
- Regularly (daily)

Job Title		
MEP/HVAC/Building Services Engineer	61.89	68.02
CAD/BIM Support	62.57	62.42
Power Engineering	50.86	69.05
Technician	54.51	67.52
CAD/BIM Management	72.09	
Graduate Engineer	63.00	65.54
Energy Systems	52.71	70.44
Associate/VP-Level	53.26	64.18
Engineering Assistant	68.73	
MEP Plumbing Engineer	74.15	

Average of score

AVERAGE ASSESSMENT SCORE PER JOB TITLE SORTED BY # OF ASSESSMENTS

Job Title	Score
MEP/HVAC/Building Services Engineer	69.2
CAD/BIM Support	66.43
Power Engineering	
Technician	66.37
CAD/BIM Management	71.28
Graduate Engineer	70.13
Energy Systems	67.08
Associate/VP-Level	61.40
Engineering Assistant	66.21
Systems and Control	67.44
MEP Plumbing Engineer	68.48
Engineer	66.61

TOP 10 COUNTRIES BASED ON NUMBER OF ASSESSMENTS TAKEN - AVERAGE SCORES VERSUS AVERAGE SELF-RATING PERCENTAGE

AVERAGE OVERALL SCORE 66.55% IN 59 MIN

Country	Average Score	Self-Rating
Vietnam	79	54
Kuwait	74	61
United States	70	59
United Arab Emirates	65	62
United Kingdom	65	56
South Africa	64	64
Canada	64	53
Singapore	64	52
Philippines	64	59
Australia	64	60

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