



In-Center Delivery vs. Remote Assessment Research Study

Does live remote proctoring yield equivalent outcomes across tests taken at test centers?



The industry as a whole, including testing and assessment organizations wanting to grow their business through the addition of a remote-proctored solution, is looking to determine if remote assessment delivery provides a comparable outcome and result to more traditional in-center testing.

Prometric, in collaboration with the Centre for Assessment Research, Policy, and Practice in Education (CARPE) at Dublin City University, conducted a study using Prometric’s remote assessment solution, ProProctor™, to determine if there were any measurable differences between in-center testing and live remote proctoring—specifically looking at candidate outcomes and psychometric properties. Using data from more than 15,000 candidates taking 16 different multiple-choice, computer-based exams at both test centers and through the ProProctor platform, the Prometric and CARPE investigators uncovered the following key findings:

KEY FINDING ONE

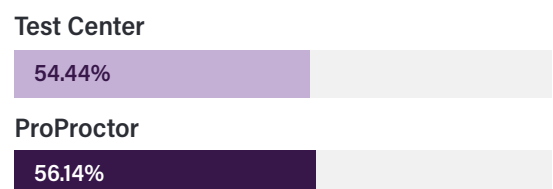
The average passing rates across Prometric test center exams and the ProProctor platform were almost identical.

When comparing the candidate outcomes, the average number of questions answered correctly between candidates who took their exams in-center or remotely was nearly identical. Similarly, when looking at the average percent of candidates who passed, there was no significant difference in pass rates between in-center and ProProctor candidates.

Fig. 1
Average % Correct Comparison
Across 16 Exams



Fig. 2
Average % Passing Comparison
Across 16 Exams



KEY FINDING TWO

The reliability and consistency of candidates passing or failing their exam across both in-center exams and the ProProctor platform were high.

In other words, when determining whether a candidate would get a similar test score or a different one if they were to test again, the results indicate that any changes in candidates' pass-fail statuses were highly unlikely—regardless of modality.

KEY FINDING THREE

Candidates finished their exams in less time on the ProProctor platform compared to in-center delivery.

Across all exams, the results indicate that ProProctor candidates took statistically significantly less time to finish the exam (the average was a little over four minutes). While exam timing needs to be explored further, the results suggests that candidates are not spending time engaging in misconduct behaviors—potentially decreasing concerns expressed around cheating via remote-proctored exams.

Fig. 3
Average Reliability



Fig. 4
Average Decision Consistency



Fig. 5
Average Time (in Minutes) Taken to Complete the Exam



What's Next?

While we are still in the beginning research stages, the initial findings for remote proctored exams as a valid means for high-stakes certification and licensure exam delivery are promising. With greater candidate access, high security features, and a solid way to grow a testing program, remote assessment solutions, when coupled with an in-center delivery model that utilizes the same delivery platform, is shaping up to be the next step for the testing industry and one to consider.

For a more detailed summary of the Prometric-CARPE ProProctor study, please reach out to TestingSolutions@prometric.com.