INTRODUCTION

This document provides an overview of the purpose, scope, and objectives of the AccessLex/LSSSE Bar Exam Success Initiative 2.0. In addition, it details the responsibilities of both the research team and study participants and associated logistical information. The information contained herein aims to provide details required to obtain the necessary approvals at your institution (from institutional review boards, general counsels, and/or others) to share the data with the research team.

The study will require extensive coordination between study schools and the research team. Our goal is to make these processes as seamless as possible, although some aspects will require more effort and labor than others. Since the analyses center on sensitive student data, all the required approvals (particularly those from institutional review boards, or “IRBs”) for participating in the study must be secured prior to sharing any data with the research team.

Please do not hesitate to contact the research team at research@accesslex.org if you need further information about any aspect of the study.

STUDY TITLE

A Longitudinal, Multivariate Analysis of Student Engagement, Law School Academic Performance and Bar Passage

RESEARCH TEAM

Principal Investigators

- Aaron N. Taylor (AccessLex): ataylor@accesslex.org
- Tiffane Cochran (AccessLex): tcochran@accesslex.org
- Jason M. Scott (AccessLex): jscott@accesslex.org
In 2018, AccessLex launched the Bar Exam Success Initiative, in partnership with the Law School Survey of Student Engagement (LSSSE). The project explored factors influencing law school academic and bar exam performance. Analyzing data from more than 4,500 graduates of 20 participating law schools in 2018 and 2019, we examined how admission indicators (undergraduate GPA and LSAT score), academic performance (law school GPA), and nineteen student engagement factors (captured on the LSSSE survey) influenced academic and bar exam outcomes.

We found that law school GPA (LGPA) growth (the difference between first-semester and final GPA) is predictive of bar passage—at a rate three times greater than either LSAT or undergraduate GPA (UGPA). Holding all else constant, an increase of 0.17 grade points, increases the predicted probability of bar passage by 11 percentage points across all 20 participating schools. Given this finding and others, we are launching a second iteration of the study that will extend understanding of factors that influence law school academic performance.

This study will follow the first cohort of students admitted to law school who will take the new iteration of the bar exam. Changes to the exam will be substantial, and therefore it will be important for schools to proactively identify factors that predict performance on the new test, rather than rely solely on previous insights and experience. Given the timing of this study, the results will be relevant and useful to institutions that are looking to identify how law school academic performance translates to performance on the new bar exam. Furthermore, the results will provide insight into the extent to which preadmission factors and student engagement factors predict student performance on the new exam.

STUDY OBJECTIVES

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1 We control for: first-semester GPA, LSAT score, UGPA, race, gender, age, cohort year, jurisdiction (whether California or not), and each individual school (using a random effect).
To pursue this research, we propose a longitudinal study that will follow the Fall 2023 entering cohort of first-year law students at each participating school through graduation and the subsequent bar exam administration. The study will have three components:

1. We will match academic and LSSSE data for students in each of their academic years (1L, 2L, and 3L) to examine the relationships between law school academic performance (LGPA and LGPA growth) and student engagement factors over the course of their matriculation.
2. When first-time bar exam data is available, we will examine the relationships between bar exam performance and both law school academic performance and student engagement.
3. Given our findings regarding the impact of LGPA growth on bar exam passage, we will explore whether UGPA growth predicts law school performance and, therefore, influences the odds of bar passage. Further, we will examine how the predictive power of UGPA growth compares to that of cumulative UGPA and LSAT score.

This project seeks to investigate the following questions:

1. How does student engagement in the 1L and 2L year correlate to academic performance in each year, respectively?
2. How does student engagement change throughout a law student’s matriculation?
3. To what extent do changes in student engagement explain changes in academic performance in law school, particularly LGPA growth?
4. How do changes in student engagement impact bar exam performance?
5. To what extent do various UGPA measures (most notably UGPA growth) relate to law school academic and bar exam performance?
6. How does UGPA growth compare to cumulative UGPA and LSAT score in predicting law school academic and bar exam performance?

By addressing these questions, we hope to:

1. Identify tangible strategies for increasing academic performance and bar exam passage at study law schools; and
2. Identify additional admission metrics that could be used to predict academic performance and bar exam success.

The study will employ a sophisticated multivariate regression research design that seeks to account for the complicated interplay of predictive factors and other phenomena that determine
academic and bar exam performance. Student engagement theory, as conceptualized by LSSSE, will be a core theoretical frame.

THEORETICAL FRAMEWORKS

The proposed research project will investigate relationships between: 1) law school academic performance, student engagement, and bar exam performance; and 2) UGPA growth and law school academic performance and bar exam performance.

The study will be rooted in two theoretical frames. The first is the straightforward notion that law school grades and class rank are the most powerful predictors of bar exam performance. Virtually all the empirical research on bar performance identify law school grades and class rank as the strongest predictors of bar performance. Our results from the first phase of the AccessLex/LSSSE Initiative support these findings: of the variables we study, LGPA—whether first-semester, first-year or final—is the strongest predictor of bar passage and is three-to-four times stronger than either UGPA or LSAT score in most cases. The second frame is student engagement theory, which is based on the simple, yet powerful observation that the more engrossing the educational experience, the more students will gain from it. This is where we hope that the findings from this proposed study will provide illumination.

Student engagement is a holistic concept, encompassing “the choices and commitments of students, of individual faculty members, and of entire institutions.” Fundamentally, the concept captures the intricate web of individual and institutional processes and actions that contribute to desired student outcomes. Studying the “process indicators” comprising student engagement is

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4 Id. at 51.
important because “information on outcomes alone is virtually uninterpretable in the absence of information about key experiences.”

Associations between student engagement and student success are well-documented. These two concepts tend to flow together. Much of the research literature positions student engagement factors as useful predictors of student success. In the context of legal education, higher levels of student engagement have been associated with various desired outcomes, such as higher grades. A recent study found twenty-one variables that were statistically significant predictors of LGPA. Fifteen of the variables were student engagement factors, including the number of hours students spent per week participating in law school-sponsored activities (positive predictor) and the frequency in which students came to class without completing readings or assignments (negative predictor).

Our own research finds several engagement factors have meaningful relationships with bar passage: the extent to which respondents report that law school contributed to the development of their practical skills (positive), the number of hours of extracurricular legal experience (positive), and the number of hours devoted to other, non-law school responsibilities (negative).

The associations between student engagement and law school grades seem to betoken a relationship – potentially a predictive one – between student engagement and bar performance. This study will provide insights on the extent and nature of these relationships. The study will explore the extent to which this premise can be extended to undergraduate performance.

**STUDY DESIGN AND METHODS**

Data analyses will be undertaken using quantitative research methods. Predictive relationships will be estimated using multivariate regression. Data will be obtained from participating law schools and through the LSSSE survey instrument. A sample school report can be found online and a report of the aggregated findings from the first phase of the study is forthcoming.

1. **Data Collected from Participating Schools**

Listed below are the independent and dependent variables that will be used to construct the regression models and calculate correlations. When received, all identifiable information is

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5 *Id.* at 48 (quoting A.W. Astin).

stripped from these records to ensure student and school anonymization (see “Data Security and Confidentiality” below).

**Independent variables:**
- Demographical
  - Student/graduate name
  - Race/Ethnicity
  - Gender
  - Birth year
  - *Parental Education (SES)* (LSSSE will provide this information)
- Pre-admissions Factors
  - LSAT (up to five scores)
  - UGPA
    - First year
    - Second year (cumulative)
    - Third year (cumulative)
    - Final (cumulative)
  - Undergraduate institution
  - Undergraduate major(s)
- Enrollment status
  - Full-time versus part-time
  - No longer enrolled (due to attrition or transfer out)
- Bar exam jurisdiction
- Class rank (if available)
  - First year
  - Final

**Dependent Variables:**
- Bar exam result: Pass, Fail
- Scaled MBE score (where available)
- Bar exam score (where available)
- Law school GPA
  - First semester
  - End of first year (cumulative)
  - Final/At graduation (cumulative)

2. Data Collected from LSSSE
Based at Indiana University, LSSSE has engaged in the most comprehensive study of the effects of legal education on law students. Questions and prompts appearing on the LSSSE survey are rooted in student engagement theory and, collectively, seek to untangle the intricacies of the law student experience. The responses yield important individual and aggregate insights about these experiences. The LSSSE survey is administered each spring. Since 2004, the LSSSE Survey has been administered to over 380,000 law students at 203 law schools in the U.S., Canada, and Australia.

Participating law schools will authorize LSSSE to release survey response data for their students to the research team. In analyzing the LSSSE data, the research team will conduct correlation analyses to measure the extent of relationships between response data and academic performance. The team will also conduct logit regression analyses to measure the extent to which the responses and other factors predict bar performance. These analyses will require that the survey data be tied to individual students, and therefore student-level reporting of both academic and survey data is necessary.

Using the quantitative data from these sources, four multivariate regression models will be constructed:

- **Model 1**: Measures the impact of student engagement factors on law school academic performance.
- **Model 2**: Explores the impact of UGPA growth (and other possible UGPA measures) on law school academic performance.
- **Model 3**: Like Model 1, but measures the impact of student engagement factors on bar exam performance (final report only; see project deliverables section below).
- **Model 4**: Like Model 2, but explores the impact of UGPA growth on bar exam performance (final report only; see project deliverables section below).

**STUDY SUBJECTS**

The analyses will focus on students that enroll in classes for the first time in Fall 2023 (hereafter, the “cohort”) and follow the cohort through Spring 2026 (or Winter 2025 for schools with two-and-half-year curricula), regardless of status as part- or full-time. Students who transfer in at any point during the study period should not be included in the cohort. Study schools will administer the LSSSE to this cohort in the Spring of students’ 1L, 2L, and 3L years, with the years of greatest import being 1L and 3L. It is imperative that the LSSSE survey be administered to this specific group of students in each year. Bar exam data will be collected for students in this cohort that graduate in Spring 2026 and take the bar exam *for the first time* at the first administration post-graduation (in most cases, July 2026).
1. Important Note About Student Participation

Robust LSSSE participation is essential to the study. Therefore, participating schools must commit to ensuring that:

a) At least 125 students in the class or 55 percent of students in the class respond to the LSSSE survey each year (whichever yields the highest number of respondents); and
b) The same students must comprise the minimum response thresholds across the three survey administrations. Therefore, the initial pool of respondents in the first year will have to be larger than the minimums to account for inevitable study attrition in the subsequent years.

As an incentive, each student respondent will receive a $25 gift card. Gift cards cannot be issued until the law school has signed the AccessLex Data Sharing Agreement. See “Responsibilities of Study Law Schools” for more information.

Project Deliverables

This project will result in two primary deliverables. First, schools will receive individualized interim reports in the first two years and a final report in the last year. These reports will identify key findings and recommendations arising from our analyses of relationships between UGPA growth, law school academic performance, student engagement, and bar exam performance. Second, AccessLex Institute will prepare an aggregated, anonymized report that includes data from all schools (provided enough law schools participate). The analyses in the national report will benefit from the larger sample of students, which will, among other things, lead to greater statistical power thereby increasing our ability to detect the statistical significance of findings. As mentioned above, we will not include the names or other identifiable information of participating schools.

DATA SECURITY AND CONFIDENTIALITY

AccessLex personnel will work with study law schools to facilitate the transfer of data securely via Secure FTP (SFTP) or encrypted Box Enterprise transfer. Data will then be housed in a secure, password-protected file on the AccessLex network. The data will be accessible only by the Principal Investigators and will be encrypted at rest.

The AccessLex network and security program meets or exceeds the SafeGuard rules from the Gramm-Leach-Bliley Act (GLBA). Security operations are built on the Critical Internet Security Controls of the SANS institute and the NIST Cybersecurity framework. Security intrusion
monitoring, segmented firewalls, audit logs, and compliance software assist in data protection on AccessLex systems.

The PIs will replace each student name with a random ID number within one month of the data being transmitted via one of the two secure methods above from study law schools to the research team. Lists linking the random ID numbers to student names will be kept in a secure, password-protected file on the AccessLex network, separate from all other data files. The latter file will be accessible only by the Principal Investigators of the study and a Senior Research Analyst on the AccessLex research team. (Note: for any aggregated analyses, school-level identifiers will also be removed and replaced with a number.)

The “de-identified” data files (listing the random ID numbers in lieu of names) will be kept in a secure, password-protected file on the AccessLex network, accessible only to the research team. The PIs will remove any demographic characteristics shared by fewer than eight students at a study school from that school’s de-identified file. No data files will be shared with, or transferred to, parties outside of the PIs and members of the research team.

Files transferred from study schools to the research team will be destroyed at the conclusion of the research period (no more than four years after the initial transfer of files). The lists linking the random ID numbers to student names will be destroyed at the conclusion of the research period (no more than four years after each file’s transfer date). The de-identified data files will be maintained on a secure, password-protected file on the AccessLex network after the conclusion of the study.

HUMAN SUBJECTS

Number of Subjects: The number of subjects will be equal to the number of first-year law students that enrolled for the first time in Fall 2023 (this excludes any students that transferred into the school in this year or converted from part-time to full-time status).

Vulnerable Subjects: N/A

Compensation for subjects: A $25 Amazon e-gift card will be granted to cohort students that complete the LSSSE Survey in each year of the study.

Additional compensation: AccessLex will award $1,000 to the cohort graduate with the most improved LGPA.

Population | Selection | Inclusion and Exclusion Criteria:
This research is based on first-year law students that began their studies in Fall 2023, following this cohort through Spring 2026.

**RISKS**

Data transmitted to the research team by study law schools will include identifiable information about students. In order to minimize the risks of accidental loss of confidentiality, data security procedures will be undertaken, as explained in the section of this document titled, Data Security and Confidentiality.

**RESPONSIBILITIES OF STUDY LAW SCHOOLS**

In order to take part in the study, a law school must commit to:

1. Executing the AccessLex Institute Data Sharing Agreement, which includes the terms of participation in the Initiative and obligates AccessLex to safeguarding and securing all data files shared pursuant to “Data Security and Confidentiality” section above.
2. Partnering with LSSSE to administer its survey in Spring 2024, Spring 2025, and Spring 2026;
   • Schools with first-time bar passage rates below 75 percent in calendar years 2020, 2021 or 2022 will qualify for a reimbursement of the LSSSE registration fee in years in which they meet the minimum response rate thresholds laid out below. **NOTE: In order to receive reimbursement for LSSSE registration fees, your institution must sign the AccessLex Data Sharing Agreement and provide AccessLex Institute with receipt of payment to LSSSE for survey administration.**
3. Ensuring that at least 125 students in the class or 55 percent of students in the class respond to the LSSSE survey each year (whichever yields the highest number of respondents);
   • The same students must comprise the minimum response thresholds across the three survey administrations. Therefore, the initial pool of respondents in the first year will have to be larger than the minimums to account for inevitable study attrition in the subsequent years.
   • AccessLex institute will provide $25 Amazon e-gift cards to Fall 2023 cohort respondents as incentive for completing the LSSSE. **Incentives will not be paid until the AccessLex Data Sharing Agreement has been executed.**
4. Sharing demographic and academic background information for students/graduates who fall within the scope of the analyses with AccessLex and LSSSE researchers;
5. Transmitting data annually via one of the secure methods; and,
6. Authorizing LSSSE to share survey response data from students;
7. Allowing aggregated and anonymized data to be used in the building of a clearinghouse of relevant information as well as in reports, presentations, etc. **Identifiable school-level and student-level data will never be made public.**

**IMPORTANT DUE DATES**

A critical component of this study is the coordination of information-sharing. Below are important dates by which important information should be conveyed:

**Study Timetable**
A critical component of this study is the coordination of information-sharing. Below is information the research team will need:

- **Confirmation of participation in the study** – **November 2023**: Participation may be confirmed by emailing research@accesslex.org.
- **Name of study school contact person** – **November 2023**: Study-related information from the research team will flow through a contact person designated by each participating school. The contact person will be responsible for distributing this information as needed to other relevant persons. The name of the designated contact person may be submitted by completing the survey provided in an email forwarded to your LSSSE contact person or by emailing research@accesslex.org.
- **Execution of data sharing agreement** – **December 31, 2023**: Approvals to share data with the research team may be required by individual institutions. Each study school contact person should contact (or arrange for someone to contact) appropriate parties within their institution (general counsels, IRBs) to review the Data Sharing Agreement. **This is very important; research activities cannot begin until the Research Team has received the signed Data Sharing Agreement.** When you are ready to sign and submit the data sharing agreement, please contact us at research@accesslex.org.
- **Complete LSSSE 2024 registration** – **January 31, 2024**: Institutions must register for the 2022 LSSSE in order for the study to commence.

The following timeline provides a general idea of when important benchmarks should be met during the study period for participating law schools:

*(Note, schools may join the study initiative at a later date provided that they retroactively submit all data for the Fall 2023 entering students.)*

**2024**
- **February-April**
o LSSSE will administer the survey to cohort members based on information provided by the study schools

- **May–July**
  - Participating schools submit first round of data via secure method to AccessLex Institute

2025

- **February–April**
  - LSSSE will administer the survey to cohort members based on information provided by the study schools

- **May–July**
  - AccessLex submits interim reports to study schools (examining various UGPA measures, including UGPA growth, and first-year performance)

- **May–July**
  - Participating schools collect and submit second round of data via secure method to AccessLex Institute

2026

- **February–April**
  - LSSSE will administer the survey to cohort members based on information provided by the study schools

- **May–July**
  - AccessLex submits second interim reports (if applicable) to study schools (examining various UGPA measures, including UGPA growth, and first-year performance)

- **May–July**
  - Participating schools submit third round of data (no bar results) via secure method to AccessLex Institute

- **November–December**
  - Participating schools submit final round of data (bar exam results) via secure method to AccessLex Institute

2027

- **July–August**
  - AccessLex submits final reports to study law schools

**INVESTIGATOR QUALIFICATIONS**

**Principal Investigators**
Aaron N. Taylor
Senior Vice President, Executive Director, AccessLex Center for Legal Education Excellence

Aaron provides leadership and oversight for the AccessLex Center for Legal Education Excellence in Washington, DC. He joined AccessLex Institute in June 2017 from Saint Louis University School of Law, where he was a member of the law school faculty.

Before joining SLU LAW, Aaron served as associate dean for admissions and scholarships at the University of Arkansas at Little Rock William H. Bowen School of Law. He also co-directed the law school’s Pre-Law Undergraduate Scholars (PLUS) Program, a pipeline initiative premised on fostering diversity within legal education and the profession. Aaron joined Bowen from Harvard University, where he directed admissions for five master’s degree programs in the Graduate School of Education. Prior to that, he practiced ethics law in Washington, D.C.

From 2014 to 2018 Aaron served as director of the Law School Survey of Student Engagement, a national study that seeks to measure the effects of legal education on students. Aaron’s scholarly articles have appeared in journals published by American University, Howard University, University of Notre Dame, and University of New Mexico. His commentaries have appeared in numerous publications, including the Chronicle of Higher Education and the South Florida Sun Sentinel. He is also a frequent media commentator on education and diversity issues. Aaron received a Bachelor of Arts in political science from North Carolina A&T State University, a juris doctor from Howard University, and a doctorate in higher education leadership and policy from Vanderbilt University. He is also an alumnus of the Harvard University Administrative Fellowship Program.

Tiffane Cochran
Vice President of Research, AccessLex Center for Legal Education Excellence

Tiffane oversees research, evaluation and data initiatives for the AccessLex Center for Legal Education Excellence. She conceptualizes, leads and implements projects that support access, affordability and the value of legal education, specifically, and graduate and professional education more generally. She also manages the development and production of the Center’s research reports and other data and research products, such as the AccessLex Resource Collections (ARC), Legal Education Data Deck, Analytix and XploreJD.

Tiffane previously served as a research analyst and director of research at AccessLex before assuming her current role. Prior to joining AccessLex, she worked as a research and policy analyst in the Office of Institutional Research, Planning, and Assessment at the University of Maryland, College Park and as a management consultant with the Monitor Group (now Monitor Deloitte). Tiffane holds a Bachelor of Arts degree in economics from Northwestern University and a Master of Arts degree in education leadership and policy studies with a concentration in higher education from the University of Maryland, College Park.
Jason M. Scott  
Senior Research Methodologist, AccessLex Center for Legal Education Excellence

Jason Scott is a senior research methodologist at AccessLex Institute, where he conducts and oversees research on a wide range of topics related to the bar exam and bar success, as well as legal education more generally. Most recently, he led the first phase of the AccessLex/LSSSE Bar Success Initiative, the findings for which will be presented at the annual meeting of the American Educational Researchers Association in 2021.

Before joining the AccessLex team in 2019, Jason was a senior research analyst at the Welfare Reform Academy at the University of Maryland, College Park, focusing largely on the areas on program evaluation methods and the rigorous assessment of the designs and findings of published research; early childhood education (and its effectiveness); and the intersection between child welfare and public assistance programs. His research has been published by the Campbell Collaboration and the Kansas Department for Children and Families and has been presented to the U.S. Department of Health and Human Services Administration for Children and Families. A former teacher, Jason is passionate about reducing inequities in education and educational outcomes. He holds a Master of Public Policy from the University of Maryland, College Park and a Bachelor of Arts in Policy Studies and Political Science from Syracuse University.

Meera E. Deo  
Director of Law School Survey of Student Engagement  
The Honorable Vaino Spencer Chair and Professor of Law, Southwestern Law School

Meera is the Director of LSSSE and Professor of Law at Southwestern Law School in Los Angeles, CA. Throughout her academic career, Meera’s scholarship has utilized original empirical research to examine legal education, including national, longitudinal, and mixed-method studies of the law student experience and the first formal empirical study of the personal and professional lives of legal academics.

She holds a doctorate in Sociology from UCLA, earned a J.D. from the University of Michigan Law School, and a B.A. in Interdisciplinary Studies from UC Berkeley. As a law student and new attorney, Meera was an intervening-defendant and member of the legal team supporting affirmative action in the landmark case of Grutter v. Bollinger. She practiced law with the ACLU National Legal Department and the California Women’s Law Center before joining academia. Meera has held previous appointments at Berkeley Law, UCLA School of Law, and UCI Irvine School of Law. Her published work has appeared in leading law journals including UC Davis Law Review, Fordham Law Review, Hastings Law Journal, the Michigan Journal of Race & Law, the Harvard Journal on Racial & Ethnic Justice, and the Journal of Legal Education.
Chad Christensen  
Project Manager, Law School Survey of Student Engagement

Chad is Project Manager of the Law School Survey of Student Engagement (LSSSE). In this role, he leads daily operations and works closely with law school administrators and faculty to help them interpret and analyze their results and to better understand patterns of engagement at their law school.

Prior to joining LSSSE, Chad devoted more than a decade to student affairs working as a strategic manager for graduate and professional degree programs. During that time, he focused on enrollment management, professional student engagement and success, and organizational strategy. Most recently, he served as Senior Associate Director of Enrollment Management and Operations at Indiana University’s Kelley School of Business where he was responsible for direct and operational leadership of three professional master’s degree programs, two of which offered joint degrees with Indiana University’s Maurer School of Law. Chad earned a Ph.D. in Higher Education and Student Affairs from Indiana University and a M.A. in English from the University of North Florida.