

Dental Admission Test (DAT) Validity Study

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Introduction

Validity is the most important consideration for any testing program. Validity refers to the degree to which logic and evidence support the use of test scores for making critical decisions (e.g., pass/fail, admission, placement, grouping, etc.) concerning examinees.

This report presents the relationship among pre-dental grade point averages (GPAs), Dental Admission Test (DAT) scores, and academic, preclinical, and clinical achievements for a sample of students during their first and second year in United States dental schools. Correlation coefficients were used to understand the relationship between admission selection criteria (such as GPAs and DAT scores) and success in students' first two years of dental education.

The DAT Program recognizes the importance placed upon the validity of the DAT. The value of a report of this nature is enhanced when the sample of study participants is large and representative of the population under study. In contrast, the value is diminished by low participation and low representativeness. In past reports, participating schools were identified by name. Beginning with the 2002 report, each school is identified by a code number.

Methods

Data

This study used data from 38 U.S. dental schools to examine the degree to which DAT scores and predental grade point averages (GPAs) predict student grades in the first and second years of dental school. The data used in this study were collected in two stages over a two-year period. In the fall of 2024, CODA-accredited U.S. dental schools were invited to provide data for students who completed their first or second year of dental school during the 2023-2024 academic year. In the fall of 2025, schools were invited to provide data for students who completed their first or second year during the 2024-2025 academic year. Data from the two cohorts of first-year students were combined and used to study the correlations between DAT scores, predental GPAs, and grades in Year 1. Similarly, data from the two cohorts of second-year students were combined and used to assess correlations with Year 2 grades. Dental schools that participated in the study were asked to provide the following student data.

Predental Grades

Predental Science GPA (4.0 scale): The grade point average calculated for all science courses taken by the student during their undergraduate years.

Predental Overall GPA (4.0 scale): The grade point average calculated for all courses taken by the student during their undergraduate years.

DAT Scores

The DAT scores achieved by the student prior to their admission to dental school. The following DAT subscores and composite scores were obtained for each student.

DAT Subscores

- Quantitative Reasoning
- Reading Comprehension
- Biology
- General Chemistry
- Organic Chemistry
- Perceptual Ability

DAT Composite Scores

- Survey of Natural Science: A composite score describing the student's performance on the Biology, General Chemistry, and Organic Chemistry tests.
- Academic Average: A composite score representing the rounded arithmetic mean of the student's Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, and Organic Chemistry scores.

Dental School Grades (Year 1)

Year 1 Biomedical Science GPA (4.0 scale): The grade point average calculated for all first-year Biomedical Science courses (e.g., Dental Anatomy, Gross Anatomy, Head and Neck Anatomy, Microscopic Anatomy, Oral Histology, Oral Biology, Oral Diagnosis, Biochemistry, Microbiology, Immunology, Oral Pathology, Pharmacology, Physiology, Genetics).

Year 1 Preclinical Dental Technique GPA (4.0 scale): The grade point average calculated for all first-year Preclinical Dental Technique courses (e.g., Preclinical Operative Technique, Fixed Prosthodontics Technique, Removable Prosthodontics Technique).

Year 1 Clinical Science GPA (4.0 scale): The grade point average calculated for all first-year Clinical Science courses (i.e., courses that take place in a clinical setting and may include interaction with patients).

Year 1 Overall GPA (4.0 scale): The grade point average calculated for all first-year dental courses.

Dental School Grades (Year 2)

Year 2 Biomedical Science GPA (4.0 scale): The grade point average calculated for all second-year Biomedical Science courses (e.g., Dental Anatomy, Gross Anatomy, Head and Neck Anatomy, Microscopic Anatomy, Oral Histology, Oral Biology, Oral Diagnosis, Biochemistry, Microbiology, Immunology, Oral Pathology, Pharmacology, Physiology, Genetics).

Year 2 Preclinical Dental Technique GPA (4.0 scale): The grade point average calculated for all second-year Preclinical Dental Technique courses (e.g., Preclinical Operative Technique, Fixed Prosthodontics Technique, Removable Prosthodontics Technique).

Year 2 Clinical Science GPA (4.0 scale): The grade point average calculated for all second-year Clinical Science courses (i.e., courses that take place in a clinical setting and may include interaction with patients).

Year 2 (Only) Overall GPA (4.0 scale): The grade point average calculated for all second-year dental courses.

Data Analysis

Meta-Analysis. The meta-analytic approach developed by Hunter and Schmidt (1990) was used to summarize the relationships between predictors and criteria measures across the participating dental schools. The first step in the meta-analytic approach involved calculating the bivariate correlation between each predictor and each criterion, separately for each participating school. The second step involved calculating the multiple correlation between each criterion and each of the following predictor sets, by school:

All DAT Subscores: Consisted of the six DAT subscores: Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability.

All Predictors: Consisted of the six DAT subscores, plus the Predental Science GPA and Predental Overall GPA.

The resulting bivariate correlations and multiple correlations were used as input into the meta-analysis. Appendix A provides the bivariate correlations and squared multiple correlations (R-squared) by school.

Corrected Correlations. Since dental schools use DAT scores to make admission decisions, applicants who were accepted into dental schools tend to have higher DAT scores than those who were not admitted. Consequently, the range of DAT scores found in an enrolled dental student sample is restricted relative to the DAT score range that would be found in the full population of applicants to dental schools. Additionally, DAT scores and GPAs are subject to random measurement error and are therefore not perfectly reliable. Research has shown that statistical artifacts such as range restriction and unreliability of measures can reduce the size of observed correlation coefficients. Given this, the observed relationship found within the current dataset is considered an underestimate of what would have been found had the entire pool of applicants been admitted to dental school, and if DAT scores and GPAs had been perfectly reliable. The use of the meta-analytic approach helps address these issues by providing the option to implement statistical corrections for range restriction and the unreliability of operational measures (predictor and/or criterion). Because dental schools must base their decisions on actual DAT scores, it would be inappropriate in this situation to correct for predictor unreliability in DAT scores. Thus, the present meta-analyses simply included corrections to address unreliability in dental school GPAs (i.e., the performance criterion), and where possible corrections for range restriction in DAT scores. These adjustments provide a more accurate understanding of the true relationship between the DAT as an admission tool, and performance in dental school (if the latter had been perfectly measured).

More specifically, the corrections employed use standard formulas involving the ratio of the restricted and unrestricted standard deviation of students' scores on the predictor variables (e.g., DAT scores) and reliability coefficients associated with dental school GPAs. The restricted

standard deviation is the standard deviation found in the observed sample, while the unrestricted standard deviation is the corresponding standard deviation associated with the pool of all applicants in a given year (i.e., all DAT examinations in 2021-2022 or 2022-2023, for first- and second-year students, respectively). Corrected validity coefficient estimates indicate the anticipated level of association that would have been obtained if students had NOT been selected on the aforementioned predictors and if dental school GPAs were perfectly reliable criterion measures. In accordance with meta-analytic procedures, artifact distribution information used for all range restriction corrections and unreliability corrections is presented in Tables 1 and 2. Some of the correlation coefficients could not be corrected for range restriction. Specifically, the bivariate correlations involving Predental Science GPA and Predental Overall GPA, and the multiple correlations involving All DAT Subscores and All Predictors were not corrected in this way. It was not possible to correct for range restriction in these cases because the distributions of these variables in the complete applicant population were unknown.

Table 1
Artifact Distribution Used in the Meta-Analysis: Range Restriction

Predictor	k _U	First Year		Second Year	
		Mean U	Var. U	Mean U	Var. U
Academic Average	38	.66	.0059	.66	.0067
Survey of Nat. Science	38	.67	.0072	.78	.0040
Quantitative Reasoning	38	.83	.0072	.83	.0109
Reading Comprehension	38	.90	.0049	.89	.0054
Biology	38	.73	.0062	.74	.0054
General Chemistry	38	.76	.0048	.77	.0062
Organic Chemistry	38	.76	.0054	.75	.0076
Perceptual Ability	38	.88	.0070	.69	.0051

Note: U=ratio for range restriction; k_U=number of ratios in the distribution (number of schools).

Table 2
Artifact Distribution Used in the Meta-Analysis: Criterion Unreliability

Criterion	Mean Reliability	Var. Reliability
First-Year Dental School GPAs	0.82	0.00026
Second-Year Dental School GPAs	0.82	0.00026

The mean and variance for the reliability of dental school GPAs (Table 2) were based on reported values from five studies on the reliability of college grades (Barritt, 1966; Bendig, 1953; Etaugh et al., 1972; Millman et al., 1983; Reilly & Warech, 1993).

Results

A total of 38 dental schools participated in the study. This represented an increase of two schools, as compared to the number (36) obtained in the prior DAT Validity Study.

Detailed results from the meta-analysis are provided in Tables 3 and 4. In interpreting these results, the following should be noted:

- Some of the participating schools could not provide information in every area requested. Accordingly, the size of the analytic sample varied across the analyses conducted. Relatively few schools provided Clinical Science GPA data, so sample sizes tended to be smaller for analyses involving that criterion. This was likely due to the fact that Clinical Science courses are not commonly offered as part of the first- or second-year curriculum.
- The observed weighted mean correlation coefficient (r_{obs}) is the average of the observed correlation coefficients for all participating schools, weighted by the sample size of each school and calculated following the meta-analytic approach introduced by Hunter & Schmidt (1990, p. 100).
- If the correlation coefficient for one school does not appear to be consistent with those of other schools, this coefficient is considered an outlier in the meta-analytic framework. Inclusion of outliers in the analysis may lead to a possible shift in the mean coefficient. Thus, this study employed the sample-adjusted meta-analytic deviance (SAMD) statistic developed by Huffcutt & Arthur (1995) to detect the presence of outliers, which were then removed in the calculation of the corrected correlation coefficient. Corrected correlation coefficients with the outlier(s) present ($\rho_{with\ outlier}$) and with the outlier(s) removed (ρ) are shared in this report.
- The corrected correlation coefficients (ρ) show the relationships between dental school performance and students' prior achievement as indicated by pre dental GPAs and DAT scores.
- Some of the correlation coefficients (ρ) were not corrected for range restriction. As a result, these correlations likely underestimate the true magnitude of the relationships between the associated predictors and the outcomes. It is not strictly appropriate to compare correlation coefficients (ρ) that are corrected for range restriction to coefficients that are not corrected for range restriction, as doing so represents an “apples to oranges” comparison.
- A 95% credibility interval around the corrected correlation coefficient was constructed and reported. The credibility interval represents the range within which 95% of the true correlation coefficients (ρ) are expected to fall across contexts. When the lower bound of the 95% credibility interval is above zero, the predictor can be interpreted as being consistently predictive across settings.
- Tables 3 and 4 contain a column indicating the standard deviation of ρ . The standard deviation of ρ is equal to the square root of the variance of ρ . Under certain circumstances, negative values can be obtained with respect to the variance of ρ , due to how these values are calculated. Hunter and Schmidt (1990) have indicated that when this occurs, the corresponding values associated with the variance of ρ should be set to zero. Within Tables 3 and 4, in situations where this circumstance has been encountered, an emdash (“—”) is placed in the corresponding cell within the table associated with the standard deviation of ρ . Because the standard deviation of ρ is used to calculate the 95% credibility interval, an emdash is correspondingly placed in the 95% credibility interval column as well.

• Table 3
Meta-Analysis Results for First-Year GPA

BIOMEDICAL SCIENCE GPA (Year 1)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5466	35	0.38	0.10	0.58	0.60	—	—
Survey of Nat. Science	5604	36	0.38	0.10	0.58	0.59	—	—
Quantitative Reasoning	5834	38	0.24	0.09	N/A	0.31	0.06	0.07 - 0.34
Reading Comprehension	5834	38	0.17	0.10	N/A	0.20	0.07	0.05 - 0.37
Biology	5754	37	0.35	0.10	0.50	0.51	—	—
General Chemistry	5754	37	0.27	0.09	0.38	0.39	—	—
Organic Chemistry	5696	37	0.30	0.10	0.43	0.44	0.06	0.32 - 0.56
Perceptual Ability	5760	36	0.17	0.09	0.22	0.29	—	—
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	5522	36	0.34	0.11	0.40	0.42	0.08	0.27 - 0.58
Predental Overall GPA	5335	35	0.33	0.12	0.40	0.42	0.08	0.26 - 0.58
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	5678	37	0.45	0.07	N/A	0.49	0.02	0.45 - 0.54
All Predictors [‡]	5528	36	0.51	0.08	0.57	0.57	0.04	0.47 - 0.67

PRE-CLINICAL DENTAL TECHNIQUE GPA (Year 1)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5127	34	0.23	0.13	0.38	0.41	0.05	0.32 - 0.50
Survey of Nat. Science	5521	36	0.21	0.13	0.35	0.37	0.08	0.20 - 0.54
Quantitative Reasoning	5382	36	0.18	0.11	0.23	0.25	0.07	0.12 - 0.39
Reading Comprehension	5180	35	0.13	0.11	0.16	0.17	0.04	0.10 - 0.24
Biology	5579	36	0.21	0.11	0.31	0.31	0.07	0.18 - 0.44
General Chemistry	5441	36	0.15	0.10	0.22	0.22	0.04	0.15 - 0.29
Organic Chemistry	5442	36	0.18	0.12	0.26	0.26	0.06	0.15 - 0.37
Perceptual Ability	5678	37	0.23	0.11	0.29	0.30	0.07	0.17 - 0.43
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	5381	36	0.26	0.13	0.31	0.33	0.08	0.17 - 0.50
Predental Overall GPA	5538	37	0.26	0.10	0.31	0.32	0.07	0.17 - 0.47
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	5834	38	0.37	0.08	N/A	0.40	0.05	0.31 - 0.49
All Predictors [‡]	5436	35	0.43	0.09	0.48	0.49	0.05	0.39 - 0.59

Note. N= number of students; K= number of schools; r_{obs} = observed sample-size-weighted average correlation; SD_{obs} = standard deviation of observed correlations; ρ = corrected correlation coefficient; SD_{ρ} = standard deviation of corrected correlation coefficient;

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

CLINICAL SCIENCE GPA (Year 1)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	n	k	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	875	7	0.25	0.16	0.40	0.41	—	—
Survey of Nat. Science	1031	8	0.22	0.14	0.34	0.39	—	—
Quantitative Reasoning	875	7	0.17	0.17	0.22	0.26	0.06	0.13 - 0.38
Reading Comprehension	1263	9	0.14	0.10	N/A	0.17	0.06	0.05 - 0.29
Biology	1031	8	0.22	0.09	0.32	0.36	—	—
General Chemistry	875	7	0.15	0.14	0.21	0.22	—	—
Organic Chemistry	875	7	0.19	0.15	0.26	0.29	0.03	0.23 - 0.34
Perceptual Ability	1031	8	0.15	0.15	0.19	0.25	0.09	0.09 - 0.42
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	688	6	0.26	0.17	0.31	0.39	0.05	0.28 - 0.50
Predental Overall GPA	875	7	0.26	0.16	0.31	0.32	0.10	0.12 - 0.53
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	1107	8	0.34	0.08	N/A	0.37	0.03	0.32 - 0.43
All Predictors [‡]	1107	8	0.36	0.12	N/A	0.43	0.10	0.23 - 0.63

OVERALL GPA (Year 1)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5696	37	0.38	0.09	0.58	0.59	0.03	0.53 - 0.64
Survey of Nat. Science	5834	38	0.38	0.08	N/A	0.58	0.03	0.52 - 0.63
Quantitative Reasoning	5696	37	0.25	0.09	0.33	0.33	0.04	0.25 - 0.41
Reading Comprehension	5619	37	0.17	0.10	0.21	0.20	0.06	0.08 - 0.33
Biology	5834	38	0.34	0.07	N/A	0.49	—	—
General Chemistry	5834	38	0.27	0.08	N/A	0.38	0.02	0.33 - 0.43
Organic Chemistry	5696	37	0.30	0.09	0.43	0.44	0.05	0.35 - 0.53
Perceptual Ability	5834	38	0.22	0.08	N/A	0.33	—	—
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	5602	37	0.35	0.10	0.42	0.43	0.07	0.30 - 0.56
Predental Overall GPA	5834	38	0.35	0.10	N/A	0.42	0.08	0.26 - 0.58
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	5834	38	0.44	0.07	N/A	0.48	0.03	0.42 - 0.54
All Predictors [‡]	5528	36	0.51	0.08	0.56	0.57	0.04	0.49 - 0.65

Note. N= number of students; K= number of schools; r_{obs} = observed sample-size-weighted average correlation; SD_{obs} = standard deviation of observed correlations; ρ = corrected correlation coefficient; SD_{ρ} = standard deviation of corrected correlation coefficient;

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

Table 4
Meta-Analysis Results for Second-Year GPA

BIOMEDICAL SCIENCE GPA (Year 2)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5413	36	0.31	0.11	0.48	0.48	0.11	0.27 - 0.70
Survey of Nat. Science	5617	36	0.30	0.11	0.41	0.43	0.10	0.24 - 0.62
Quantitative Reasoning	5898	38	0.17	0.09	N/A	0.23	0.06	0.10 - 0.35
Reading Comprehension	5898	38	0.15	0.10	N/A	0.18	0.07	0.04 - 0.32
Biology	5611	37	0.23	0.08	0.38	0.37	0.10	0.17 - 0.57
General Chemistry	5898	38	0.23	0.09	N/A	0.33	0.07	0.18 - 0.47
Organic Chemistry	5662	37	0.23	0.10	0.33	0.32	0.06	0.20 - 0.44
Perceptual Ability	5898	38	0.13	0.10	N/A	0.21	0.11	0.02 - 0.41
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	4306	25	0.30	0.14	0.35	0.37	0.06	0.25 - 0.50
Predental Overall GPA	4375	25	0.29	0.13	0.35	0.37	0.05	0.27 - 0.46
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	4167	25	0.38	0.11	0.42	0.44	0.08	0.29 - 0.59
All Predictors [‡]	3587	22	0.45	0.12	0.49	0.49	0.05	0.39 - 0.59

PRE-CLINICAL DENTAL TECHNIQUE GPA (Year 2)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5079	34	0.26	0.11	0.41	0.44	0.08	0.28 - 0.60
Survey of Nat. Science	5448	36	0.24	0.10	N/A	0.33	0.08	0.17 - 0.50
Quantitative Reasoning	5448	36	0.17	0.11	N/A	0.23	0.09	0.05 - 0.41
Reading Comprehension	5448	36	0.14	0.10	N/A	0.17	0.07	0.03 - 0.31
Biology	5448	36	0.21	0.09	N/A	0.30	0.06	0.19 - 0.41
General Chemistry	5310	35	0.19	0.10	0.27	0.27	0.04	0.19 - 0.36
Organic Chemistry	5448	36	0.19	0.09	N/A	0.28	0.06	0.16 - 0.39
Perceptual Ability	5310	35	0.22	0.11	0.34	0.36	0.10	0.17 - 0.55
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	4356	25	0.29	0.13	0.35	0.36	0.07	0.22 - 0.51
Predental Overall GPA	4356	25	0.29	0.12	0.34	0.36	0.06	0.23 - 0.48
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	4370	26	0.36	0.09	0.40	0.40	0.05	0.31 - 0.50
All Predictors [‡]	4370	26	0.44	0.10	0.49	0.50	0.07	0.36 - 0.64

Note. N= number of students; K= number of schools; r_{obs} = observed sample-size-weighted average correlation; SD_{obs} = standard deviation of observed correlations; ρ = corrected correlation coefficient; SD_{ρ} = standard deviation of corrected correlation coefficient;

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

CLINICAL SCIENCE GPA (Year 2)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	2589	16	0.18	0.10	0.30	0.27	0.06	0.15 - 0.39
Survey of Nat. Science	2589	16	0.18	0.10	0.29	0.26	0.04	0.18 - 0.35
Quantitative Reasoning	2522	16	0.13	0.12	0.16	0.18	0.08	0.01 - 0.36
Reading Comprehension	2753	17	0.06	0.07	N/A	0.07	—	—
Biology	2753	17	0.16	0.08	N/A	0.24	0.04	0.15 - 0.32
General Chemistry	2403	15	0.14	0.11	0.19	0.19	0.01	0.17 - 0.21
Organic Chemistry	2753	17	0.14	0.09	N/A	0.21	0.08	0.06 - 0.36
Perceptual Ability	2522	16	0.11	0.11	0.14	0.16	0.08	0.01 - 0.31
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	1984	11	0.20	0.14	0.23	0.22	0.01	0.20 - 0.24
Predental Overall GPA	2082	12	0.21	0.12	0.23	0.20	0.03	0.13 - 0.26
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	1779	12	0.25	0.08	N/A	0.28	0.03	0.22 - 0.33
All Predictors [‡]	1779	12	0.31	0.10	N/A	0.34	0.07	0.20 - 0.48

OVERALL GPA (Year 2)								
Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability								
Predictor	N	K	r_{obs}	SD_{obs}	ρ with outlier	ρ	SD_{ρ}	95% C.I.
Academic Average	5326	35	0.32	0.11	0.50	0.51	0.06	0.38 - 0.63
Survey of Nat. Science	5188	34	0.31	0.11	0.42	0.44	—	—
Quantitative Reasoning	5898	38	0.20	0.09	N/A	0.27	0.06	0.15 - 0.39
Reading Comprehension	5898	38	0.16	0.09	N/A	0.20	0.04	0.12 - 0.28
Biology	5188	34	0.27	0.10	0.38	0.40	—	—
General Chemistry	5473	36	0.23	0.11	0.32	0.32	0.06	0.20 - 0.44
Organic Chemistry	5751	37	0.24	0.10	0.35	0.36	0.07	0.22 - 0.49
Perceptual Ability	5375	35	0.21	0.11	0.32	0.33	0.04	0.25 - 0.41
Bivariate correlation (ρ) adjusted for criterion unreliability only								
Predental Science GPA	4904	28	0.34	0.14	0.41	0.44	0.08	0.28 - 0.60
Predental Overall GPA	4473	26	0.34	0.14	0.40	0.41	0.06	0.29 - 0.54
Multiple correlation (ρ) adjusted for criterion unreliability only								
All DAT Subscores [†]	4445	26	0.40	0.09	0.44	0.45	0.04	0.36 - 0.53
All Predictors [‡]	4226	25	0.49	0.09	0.54	0.54	0.05	0.44 - 0.63

Note. N= number of students; K= number of schools; r_{obs} = observed sample-size-weighted average correlation; SD_{obs} = standard deviation of observed correlations; ρ = corrected correlation coefficient; SD_{ρ} = standard deviation of corrected correlation coefficient;

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

Summary of Findings

Tables 5 and 6 summarize key results from the meta-analysis, with a focus on the corrected correlation coefficients (ρ). Table 5 provides corrected correlations between predictors and first-year dental school grades, while Table 6 provides corrected correlations with second-year grades.

Table 5
Corrected Correlations (ρ) Between Predictors and Grades in the First Year of Dental School
(Meta-Analysis Results)

Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability				
Predictor	Biomedical Science GPA	Preclinical Dental Technique GPA	Clinical Science GPA	Overall GPA
Academic Average	0.60	0.41	0.41	0.59
Survey of Nat. Science	0.59	0.37	0.39	0.58
Quantitative Reasoning	0.31	0.25	0.26	0.33
Reading Comprehension	0.20	0.17	0.17	0.20
Biology	0.51	0.31	0.36	0.49
General Chemistry	0.39	0.22	0.22	0.38
Organic Chemistry	0.44	0.26	0.29	0.44
Perceptual Ability	0.29	0.30	0.25	0.33
Bivariate correlation (ρ) adjusted for criterion unreliability only				
Predental Science GPA	0.42	0.33	0.39	0.43
Predental Overall GPA	0.42	0.32	0.32	0.42
Multiple correlation (ρ) adjusted for criterion unreliability only				
All DAT Subscores [†]	0.49	0.40	0.37	0.48
All Predictors [‡]	0.57	0.49	0.43	0.57

Note: The top three fully corrected ρ values are highlighted.

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

Table 6
Corrected Correlations (ρ) Between Predictors and Grades in the Second Year of Dental School
(Meta-Analysis Results)

Bivariate correlation (ρ) adjusted for range restriction and criterion unreliability				
Predictor	Biomedical Science GPA	Preclinical Dental Technique GPA	Clinical Science GPA	Overall GPA
Academic Average	0.48	0.44	0.27	0.51
Survey of Nat. Science	0.43	0.33	0.26	0.44
Quantitative Reasoning	0.23	0.23	0.18	0.27
Reading Comprehension	0.18	0.17	0.07	0.20
Biology	0.37	0.30	0.24	0.40
General Chemistry	0.33	0.27	0.19	0.32
Organic Chemistry	0.32	0.28	0.21	0.36
Perceptual Ability	0.21	0.36	0.16	0.33
Bivariate correlation (ρ) adjusted for criterion unreliability only				
Predental Science GPA	0.37	0.36	0.22	0.44
Predental Overall GPA	0.37	0.36	0.20	0.41
Multiple correlation (ρ) adjusted for criterion unreliability only				
All DAT Subscores [†]	0.44	0.40	0.28	0.45
All Predictors [‡]	0.49	0.50	0.34	0.54

Note: The top three fully corrected ρ values are highlighted.

[†] Includes Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, Organic Chemistry, and Perceptual Ability scores.

[‡] Includes All DAT Subscores, Predental Science GPA, and Predental Overall GPA.

Do DAT scores predict performance in the first year of dental school?

Several of the reported DAT scores were strongly correlated with performance in the first year of dental school. After correcting for range restriction and unreliability in criteria measurement, the strongest correlations were as follows:

- The correlation between the **Academic Average** and Year 1 Biomedical Science GPA was .60 in Year 1.
- The correlation between the **Academic Average** and Year 1 Overall GPA was .59 in Year 1.
- The correlation between the **Survey of Natural Science** score and Year 1 Biomedical Science GPA was .59 in Year 1.
- The correlation between the **Survey of Natural Science** score and Year 1 Overall GPA was .58 in Year 1.
- The correlation between the **Biology** score and Year 1 Biomedical Science GPA was .51 in Year 1.
- The correlation between the **Biology** score and Year 1 Overall GPA was .49 in Year 1.

Do DAT scores predict performance in the second year of dental school?

Correlations between DAT scores and second-year dental schools grades tended to be slightly lower than correlations with first-year grades. However, DAT scores from several reporting areas were still strongly correlated with performance in Year 2. After correcting for range restriction and unreliability in criteria measurement, the strongest correlations were as follows:

- The correlation between the **Academic Average** and Year 2 Overall GPA was .51 in Year 2.
- The correlation between the **Academic Average** and Year 2 Biomedical Science GPA was .48 in Year 2.
- The correlation between the **Survey of Natural Science** score and Year 2 Overall GPA was .44 in Year 2.
- The correlation between the **Survey of Natural Science** score and Year 2 Biomedical Science GPA was .43 in Year 2.

Does predental GPA predict performance in Years 1 and 2 of dental school?

Predental Science GPA and Predental Overall GPA were both strongly correlated with early achievement in dental school, even without correcting for range restriction.

- **Predental Science GPA** was the strongest predictor of Year 1 Overall GPA ($\rho=.43$) and Year 2 Overall GPA ($\rho=.44$).
- **Predental Overall GPA** was also a strong predictor of Year 1 Overall GPA ($\rho=.42$) and Year 2 Overall GPA ($\rho=.41$).

Other Notable Findings

- The **DAT composite scores** were especially strong predictors of student grades in Years 1 and 2. Several of the DAT subscores were also strong predictors (e.g., Biology, Organic Chemistry, and General Chemistry scores), though generally not as strong as the composite scores.
- DAT scores and predental GPAs predicted Biomedical Science GPAs and Overall GPAs more accurately than they predicted GPAs in Clinical Science and Preclinical Dental Technique. Consistent with findings from previous DAT Validity Studies, the **Perceptual Ability** score was among the best predictors of Preclinical Dental Technique GPA in Year 2 ($\rho=.36$).
- When used as a set, the DAT subscores (**All DAT Subscores**) tended to predict Year 1 and Year 2 GPAs more accurately than the prediction provided by predental GPAs.
- Including both the DAT subscores and the predental GPAs in the regression model (**All Predictors**) resulted in more accurate prediction than was obtained by including either predictor set individually. In other words, both the DAT scores and the predental GPAs contributed unique information about student potential that proved useful for predicting student performance in dental school.

Limitations

The data in this report are based on a sample consisting of students from 38 U.S. dental schools. A limitation of this study is that not all schools reported data in all areas. To the degree that the present sample is not representative of the full population, this would limit the ability to generalize conclusions derived from this sample to the entire dental school population. Having

noted this, it should also be recognized that results reported for individual schools provide extremely valuable information for those participating schools. This information can be used to help optimize school admission practices.

As noted previously, some of the correlation coefficients in this study could not be corrected for range restriction – specifically those involving Predental Science GPA, Predental Overall GPA, All DAT Subscores, and All Predictors. As a result, these correlations likely underestimate the true magnitude of the relationship between the associated predictors and the outcomes.

Conclusions

This study found that DAT scores and predental GPAs were strong individual predictors of student performance in dental school. When these predictors were taken as a set, the total contribution of the set represented a more powerful predictor than that obtained when looking at each predictor individually. The criterion-related validity evidence presented in this report is consistent with the results of previous DAT validity studies and should reassure admission committees of the continued value of including DAT scores as part of their selection criteria.

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Appendix A

Bivariate Correlations and Squared Multiple Correlations, by School

In interpreting the tables presented in this appendix, the following should be noted:

- The DAT Survey of Natural Science composite score is referred to as the Total Science score in this appendix.
- The DAT Academic Scores include the following: Quantitative Reasoning, Reading Comprehension, Biology, General Chemistry, and Organic Chemistry.
- Tables 1 through 4 present Pearson Product-Moment Correlation Coefficients (r) and Tables 5 through 8 present squared multiple correlations (R^2) between 1) first-year dental school grades and 2) pre dental GPAs and DAT scores.
- Tables 9 through 12 present Pearson Product-Moment Correlation Coefficients (r) and Tables 13 through 16 present squared multiple correlations (R^2) between 1) second-year dental school grades and 2) pre dental GPAs and DAT scores.
- Coefficients which are significant at the 0.05 level are flagged with an asterisk and displayed in bold face.
- Numbers reported in rows labeled “# of Correlations” or “# of Multiple R^2 s” represent the number of schools for which sufficient data were available to perform the analysis.
- “# of Significant Correlations” and “# of Significant Multiple R^2 s” represent the number of schools for which the computed coefficient was significant at the 0.05 level.
- “Percent Significant” is a ratio representing the number of significant coefficients (the second row) divided by the total number of coefficients (the first row). This value is expressed as a percentage.
- “Median Correlation” or “Median R^2 ” is the value of the corresponding coefficient (i.e., the Correlation or R^2) appearing at the 50th percentile within the distribution of coefficients.

Table 1
First Year Biomedical Grades
Correlated with Pre-Dental GPA, Science GPA and DAT Scores

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.48*	0.49*	0.35*	0.39*	0.30*	0.00	0.32*	0.28*	0.35*	0.29*
D43	0.27*	0.30*	0.41*	0.26*	0.28*	0.25*	0.24*	0.29*	0.18	0.14
D23	0.15*	0.14*	0.34*	0.35*	0.19*	0.19*	0.35*	0.25*	0.22*	0.25*
D44	0.34*	0.36*	0.43*	0.41*	0.30*	0.13	0.35*	0.28*	0.34*	0.17*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.49*	0.44*	0.39*	0.42*	0.22*	0.18*	0.35*	0.31*	0.34*	0.20*
D67	0.19	0.18	0.41*	0.40*	0.31*	0.15	0.31*	0.32*	0.31*	0.22*
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.44*	0.43*	0.39*	0.38*	0.28*	0.11	0.39*	0.25*	0.31*	0.21*
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.14	0.22*	0.27*	0.25*	0.28*	-0.05	0.24*	0.17*	0.20*	0.08
D92	0.42*	0.45*	0.57*	0.51*	0.48*	0.35*	0.54*	0.39*	0.36*	0.25*
D72	0.49*	0.45*	0.50*	0.41*	0.32*	0.29*	0.35*	0.26*	0.36*	0.03
D02	0.29*	0.28*	0.45*	0.44*	0.42*	0.05	0.32*	0.31*	0.41*	0.08
D76	0.18*	0.16	0.14	0.15	0.15	-0.01	0.15	0.05	0.11	0.00
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.24*	0.20*	0.15	0.18*	0.00	0.16	0.28*	0.11	0.01	0.08
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.40*	0.40*	0.47*	0.50*	0.28*	0.10	0.44*	0.43*	0.47*	0.27*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.42*	0.40*	0.41*	0.47*	0.20*	0.08	0.37*	0.36*	0.40*	0.11
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.42*	0.43*	0.43*	0.42*	0.32*	0.25*	0.39*	0.29*	0.30*	0.25*
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.33*	0.30*	0.37*	0.38*	0.30*	0.21	0.35*	0.20	0.36*	0.19
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	0.26*	0.25*	0.43*	0.46*	0.30*	0.17*	0.36*	0.26*	0.36*	0.15
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.38*	0.40*	0.38*	0.38*	0.27*	0.19*	0.34*	0.26*	0.33*	0.12
D55	0.24*	0.27*	0.25*	0.25*	0.18	0.19	0.21*	0.19	0.17	0.12
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	0.41*	0.40*	0.32*	0.37*	0.13	0.18	0.34*	0.12	0.30*	0.12
D93	0.31*	0.34*	0.38*	0.36*	0.26*	0.20*	0.33*	0.30*	0.26*	0.26*
D41	0.34*	0.35*	0.36*	0.39*	0.18*	0.10	0.39*	0.22*	0.27*	0.11
D38	0.44*	0.45*	0.50*	0.46*	0.31*	0.35*	0.42*	0.35*	0.38*	0.14*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	-0.06	-0.10	-0.07	-0.11	-0.01	0.17	-0.22	-0.15	0.04	-0.03
D65	0.25*	0.37*	0.37*	0.46*	0.16	0.00	0.41*	0.25*	0.45*	0.28*
D87	0.52*	0.53*	0.50*	0.51*	0.30*	0.18	0.50*	0.36*	0.43*	0.47*
D26	0.34*	0.39*	0.44*	0.41*	0.31*	0.22*	0.32*	0.35*	0.38*	0.24*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.42*	0.41*	0.41*	0.44*	0.24*	0.10	0.39*	0.32*	0.35*	0.12*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.53*	0.54*	0.41*	0.39*	0.26*	0.30*	0.34*	0.27*	0.25*	0.25*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.32*	0.30*	0.49*	0.47*	0.39*	0.34*	0.48*	0.33*	0.34*	0.29*
D33	0.18*	0.22*	0.28*	0.39*	0.07	0.07	0.29*	0.28*	0.37*	0.07
D62	0.36*	0.32*	0.30*	0.35*	0.15*	0.17*	0.36*	0.26*	0.18*	0.16*
D29	0.33*	0.33*	0.40*	0.32*	0.33*	0.23*	0.25*	0.19	0.33*	0.25*
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.44*	0.41*	0.40*	0.38*	0.26*	0.24*	0.41*	0.23*	0.33*	0.18
D08	0.14*	0.16*	0.32*	0.28*	0.19*	0.24*	0.34*	0.13	0.26*	0.22*
D32	0.53*	0.50*	0.33*	0.38*	0.18	0.18	0.45*	0.30*	0.17	0.08
D15	0.32*	0.34*	0.37*	0.40*	0.15	0.11	0.36*	0.32*	0.40*	0.07
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38	38	38	38	38	38
# of Significant Correlations	35	35	35	36	29	17	36	30	32	20
Percent Significant	92%	92%	92%	95%	76%	45%	95%	79%	84%	53%
Median Correlation	0.34	0.36	0.39	0.39	0.27	0.18	0.35	0.28	0.33	0.17

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 2

**First Year Pre-Clinical Dental Technique Grades
Correlated with Pre-Dental GPA, Science GPA and DAT Scores**

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.18	0.15	0.22*	0.20*	0.10	0.08	0.17	0.18	0.15	0.03
D43	0.13	0.20*	0.22*	0.13	0.14	0.08	0.13	0.16	0.13	-0.04
D23	0.21*	0.19*	0.16*	0.11	0.05	0.25*	0.13*	0.13	0.05	0.14*
D44	0.35*	0.37*	0.35*	0.27*	0.34*	0.11	0.19*	0.24*	0.26*	0.21*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.27*	0.38*	0.24*	0.23*	0.18*	0.07	0.28*	0.20*	0.36*	0.36*
D67	0.24*	0.20	0.40*	0.40*	0.33*	0.20*	0.38*	0.24*	0.26*	0.42*
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.40*	0.40*	0.27*	0.26*	0.23*	0.06	0.27*	0.17*	0.20*	0.29*
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.09	0.10	0.03	0.00	0.05	-0.13	0.03	-0.03	0.06	0.08
D92	0.43*	0.45*	0.60*	0.51*	0.47*	0.42*	0.53*	0.38*	0.39*	0.38*
D72	0.34*	0.28*	0.26*	0.13	0.27*	0.30*	0.03	0.11	0.13	0.14
D02	0.17	0.15	0.36*	0.25*	0.32*	0.25*	0.19	0.18	0.22*	0.14
D76	0.17*	0.15	0.16*	0.14	0.23*	0.01	0.11	0.12	0.07	0.07
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.29*	0.24*	0.12	0.10	-0.03	0.19*	0.18*	0.07	0.03	0.17*
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.37*	0.38*	0.37*	0.37*	0.26*	0.08	0.29*	0.35*	0.38*	0.34*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.28*	0.26*	0.24*	0.22*	0.15*	0.09	0.14	0.24*	0.20*	0.27*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.42*	0.43*	0.29*	0.25*	0.27*	0.17	0.20*	0.18	0.19	0.32*
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.18	0.19	0.37*	0.38*	0.24*	0.23*	0.37*	0.23*	0.34*	0.33*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	-0.17	-0.13	-0.07	-0.03	0.11	-0.04	-0.10	-0.09	0.00	0.22*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.44*	0.47*	0.21*	0.20*	0.24*	0.05	0.15	0.14	0.23*	0.19*
D55	0.02	0.05	0.11	0.14	0.11	0.09	0.12	-0.03	0.12	0.22*
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	0.37*	0.37*	0.28*	0.27*	0.23	0.21	0.24	0.14	0.20	0.38*
D93	0.29*	0.31*	0.26*	0.22*	0.22*	0.15*	0.20*	0.18*	0.20*	0.33*
D41	0.34*	0.36*	0.30*	0.34*	0.17*	0.08	0.35*	0.16*	0.23*	0.22*
D38	0.32*	0.32*	0.38*	0.30*	0.30*	0.37*	0.27*	0.19*	0.25*	0.27*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.30*	0.28*	0.30*	0.25*	0.22*	0.26*	0.22	0.13	0.27*	0.23*
D65	0.28*	0.36*	0.27*	0.27*	0.15	0.10	0.28*	0.06	0.32*	0.29*
D87	0.41*	0.44*	0.30*	0.30*	0.13	0.09	0.28*	0.20	0.30*	0.40*
D26	0.15	0.20	-0.13	-0.20	-0.15	0.17	0.37*	-0.03	-0.25	-0.04
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.10	0.08	0.05	0.11	0.01	-0.05	0.08	0.03	0.12*	0.31*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.34*	0.33*	0.22*	0.22*	0.14	0.19*	0.17	0.15	0.17*	0.29*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.21*	0.25*	0.26*	0.22*	0.22*	0.19*	0.27*	0.15*	0.13*	0.28*
D33	0.17*	0.20*	0.23*	0.30*	0.14*	0.06	0.23*	0.17*	0.27*	0.25*
D62	0.24*	0.22*	0.16*	0.20*	0.09	0.07	0.19*	0.16*	0.11	0.21*
D29	0.34*	0.32*	0.41*	0.35*	0.42*	0.24*	0.26*	0.19	0.33*	0.26*
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.07	0.04	0.08	0.07	0.08	0.12	0.08	0.09	0.05	0.01
D08	0.19*	0.18*	0.24*	0.18*	0.16*	0.19*	0.26*	0.11	0.14	0.23*
D32	0.39*	0.35*	0.42*	0.41*	0.28*	0.28*	0.44*	0.34*	0.32*	0.18
D15	0.39*	0.40*	0.33*	0.29*	0.27*	0.13	0.27*	0.26*	0.27*	0.23*
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38	38	38	38	38	38
# of Significant Correlations	28	27	31	27	23	15	22	16	23	29
Percent Significant	74%	71%	82%	71%	61%	39%	58%	42%	61%	76%
Median Correlation	0.28	0.27	0.26	0.23	0.20	0.13	0.20	0.16	0.20	0.23

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 3

First Year Grade Point Average
Correlated with Pre-Dental GPA, Science GPA and DAT Scores

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.49*	0.49*	0.38*	0.41*	0.32*	0.03	0.33*	0.30*	0.37*	0.30*
D43	0.26*	0.29*	0.43*	0.25*	0.29*	0.30*	0.24*	0.29*	0.17	0.13
D23	0.19*	0.18*	0.33*	0.32*	0.18*	0.22*	0.33*	0.24*	0.20*	0.24*
D44	0.37*	0.39*	0.44*	0.40*	0.33*	0.14	0.33*	0.29*	0.34*	0.19*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.49*	0.46*	0.39*	0.41*	0.23*	0.17*	0.34*	0.33*	0.35*	0.25*
D67	0.22*	0.19	0.45*	0.43*	0.35*	0.18	0.36*	0.33*	0.32*	0.29*
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.48*	0.47*	0.37*	0.35*	0.25*	0.12	0.36*	0.23*	0.28*	0.26*
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.28*	0.36*	0.31*	0.29*	0.21*	-0.03	0.27*	0.23*	0.30*	0.10
D92	0.45*	0.48*	0.61*	0.54*	0.49*	0.40*	0.57*	0.42*	0.37*	0.32*
D72	0.49*	0.43*	0.44*	0.33*	0.32*	0.33*	0.25*	0.22*	0.30*	0.07
D02	0.31*	0.29*	0.45*	0.43*	0.42*	0.05	0.32*	0.30*	0.41*	0.08
D76	0.23*	0.21*	0.19*	0.18*	0.20*	0.01	0.14	0.09	0.13	0.06
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.26*	0.22*	0.16	0.17*	0.00	0.19*	0.28*	0.11	0.02	0.12
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.42*	0.42*	0.46*	0.49*	0.29*	0.10	0.42*	0.43*	0.47*	0.30*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.37*	0.34*	0.40*	0.44*	0.16*	0.13	0.34*	0.35*	0.38*	0.19*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.44*	0.45*	0.42*	0.40*	0.32*	0.24*	0.36*	0.40*	0.28*	0.28*
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.33*	0.32*	0.43*	0.42*	0.33*	0.27*	0.39*	0.25*	0.39*	0.27*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	0.28*	0.28*	0.43*	0.44*	0.31*	0.17*	0.34*	0.26*	0.35*	0.15
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.42*	0.44*	0.36*	0.35*	0.28*	0.17*	0.30*	0.25*	0.32*	0.14
D55	0.20	0.22*	0.22*	0.23*	0.18	0.17	0.19	0.13	0.16	0.18
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	0.41*	0.40*	0.33*	0.36*	0.13	0.23	0.32*	0.15	0.30*	0.23
D93	0.33*	0.35*	0.38*	0.36*	0.27*	0.20*	0.32*	0.29*	0.26*	0.30*
D41	0.36*	0.37*	0.36*	0.39*	0.20*	0.11	0.39*	0.22*	0.27*	0.19*
D38	0.45*	0.45*	0.52*	0.46*	0.35*	0.38*	0.38*	0.38*	0.38*	0.24*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.28	0.29	0.52*	0.51*	0.33*	0.22	0.30	0.32*	0.49*	0.39*
D65	0.30*	0.41*	0.34*	0.41*	0.15	0.02	0.38*	0.19*	0.42*	0.26*
D87	0.51*	0.53*	0.49*	0.50*	0.29*	0.18	0.49*	0.35*	0.43*	0.48*
D26	0.51*	0.54*	0.56*	0.51*	0.41*	0.33*	0.41*	0.42*	0.45*	0.32*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.35*	0.34*	0.33*	0.37*	0.18*	0.05	0.33*	0.25*	0.31*	0.22*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.49*	0.49*	0.37*	0.36*	0.25*	0.27*	0.30*	0.25*	0.24*	0.27*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.29*	0.29*	0.46*	0.44*	0.37*	0.33*	0.46*	0.30*	0.32*	0.28*
D33	0.19*	0.23*	0.29*	0.38*	0.11	0.08	0.29*	0.25*	0.35*	0.13*
D62	0.35*	0.31*	0.28*	0.33*	0.14*	0.16*	0.34*	0.25*	0.17*	0.17*
D29	0.34*	0.33*	0.40*	0.32*	0.35*	0.26*	0.23*	0.18	0.33*	0.26*
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.34*	0.31*	0.32*	0.30*	0.22*	0.22*	0.32*	0.20*	0.26*	0.13
D08	0.19*	0.21*	0.29*	0.28*	0.18*	0.16*	0.31*	0.11	0.21*	0.27*
D32	0.52*	0.48*	0.38*	0.40*	0.23*	0.22*	0.47*	0.32*	0.22*	0.12
D15	0.34*	0.37*	0.36*	0.36*	0.22*	0.11	0.32*	0.29*	0.36*	0.18*
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38	38	38	38	38	38
# of Significant Correlations	36	36	37	38	33	20	35	32	34	26
Percent Significant	95%	95%	97%	100%	87%	53%	92%	84%	89%	68%
Median Correlation	0.35	0.36	0.38	0.39	0.26	0.18	0.33	0.26	0.32	0.24

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 4

First Year Clinical Science Grade Point Average
Correlated with Pre-Dental GPA, Science GPA and DAT Scores

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.45*	0.43*	0.39*	0.39*	0.35*	0.07	0.30*	0.30*	0.37*	0.32*
D43	0.14	0.15	0.35*	0.14	0.23*	0.35*	0.16	0.22*	0.08	0.11
D23	0.04	0.03	-0.04	-0.03	-0.13	0.11	0.05	-0.07	-0.06	-0.08
D44	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D67	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.31*	0.31*	0.29*	0.29*	0.28*	0.06	0.28*	0.17*	0.23*	0.23*
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D72	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D02	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D76	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.31*	0.28*	0.38*	0.33*	0.29*	0.25*	0.32*	0.23*	0.25*	0.22*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D93	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D41	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.37*	0.44*	0.18*	0.27*	0.03	-0.01	0.28*	0.05	0.30*	-0.01
D87	0.34*	0.35*	0.30*	0.18	0.23	0.22	0.20	0.17	0.12	0.38*
D26	0.49*	0.51*	0.45*	0.41*	0.37*	0.22*	0.30*	0.37*	0.40*	0.33*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D33	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D62	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D29	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.10	0.09	0.23*	0.20*	0.13	0.17*	0.23*	0.12	0.13	0.17*
D32	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D15	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	9	9	9	9	9	9	9	9	9	9
# of Significant Correlations	6	6	8	6	5	4	6	5	5	6
Percent Significant	67%	67%	89%	67%	56%	44%	67%	56%	56%	67%
Median Correlation	0.31	0.31	0.30	0.27	0.23	0.17	0.28	0.17	0.23	0.22

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 5

First Year Biomedical Grades Regressed with Pre-Dental GPA, Science GPA, and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	0.09*	0.08*	0.25*	0.25*	0.29*
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.02*	0.03*	0.15*	0.17*	0.18*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.18*	0.18*	0.21*	0.23*	0.30*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.10*	0.12*	0.20*	0.21*	0.29*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.11*	0.09*	0.20*	0.20*	0.24*
D23	0.02*	0.02	0.15*	0.17*	0.18*
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	0.05	0.09	0.19	0.20	0.33
D29	0.11*	0.11*	0.16*	0.16*	0.21*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.28*	0.25*	0.27*	0.27*	0.40*
D33	0.03*	0.05*	0.17*	0.17*	0.19*
D36	0.27*	0.27*	0.18*	0.19*	0.36*
D38	0.20*	0.20*	0.26*	0.27*	0.35*
D39	0.19*	0.17*	0.21*	0.21*	0.29*
D41	0.12*	0.12*	0.17*	0.17*	0.24*
D43	0.07*	0.09*	0.16*	0.16*	0.21*
D44	0.10*	0.11*	0.19*	0.19*	0.23*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	0.06*	0.07*	0.09	0.09	0.16
D56	0.17*	0.16*	0.18*	0.20*	0.32*
D57	0.15*	0.17*	0.20*	0.21*	0.33*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.13*	0.10*	0.15*	0.15*	0.21*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.08*	0.16*	0.26*	0.29*	0.47*
D67	0.04	0.03	0.19*	0.19*	0.20*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.18*	0.16*	0.24*	0.25*	0.33*
D72	0.24*	0.20*	0.24*	0.30*	0.39*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.03*	0.03	0.05	0.07	0.08
D77	0.00	0.06*	0.23*	0.23*	0.26*
D78	0.23*	0.24*	0.19*	0.20*	0.31*
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.18*	0.17*	0.22*	0.22*	0.29*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.02	0.05*	0.12*	0.12*	0.14*
D87	0.27*	0.29*	0.28*	0.34*	0.44*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.06*	0.04*	0.11*	0.11*	0.20*
D90	0.16*	0.16*	0.28*	0.29*	0.33*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	0.17*	0.21*	0.37*	0.37*	0.39*
D93	0.10*	0.11*	0.16*	0.18*	0.24*
D94	0.17*	0.18*	0.19*	0.19*	0.28*
D95	0.10*	0.11*	0.25	0.25	0.35
D96	0.25*	0.19*	0.17*	0.17*	0.32*
D97	0.08*	0.09*	0.28*	0.28*	0.30*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38
# of Significant Correlations	34	34	34	34	34
Percent Significant	89%	89%	89%	89%	89%
Median R-Square	0.11	0.12	0.19	0.20	0.29

Table 6

**First Year Pre-Clinical Dental Technique Grades Regressed with Pre-Dental GPA,
Science GPA, and DAT Scores**

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	0.03	0.02	0.15*	0.15	0.16
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.04*	0.04*	0.09*	0.12*	0.14*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.17*	0.18*	0.10	0.15*	0.25*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.15*	0.16*	0.12*	0.13*	0.24*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.03	0.04	0.18*	0.20*	0.21*
D23	0.04*	0.03*	0.08*	0.10*	0.14*
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	0.05	0.09	0.19	0.20	0.33
D29	0.12*	0.10*	0.21*	0.21*	0.26*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.15*	0.12*	0.26*	0.32*	0.32*
D33	0.03*	0.05*	0.10*	0.13*	0.16*
D36	0.10*	0.11*	0.06	0.11*	0.18*
D38	0.10*	0.11*	0.18*	0.20*	0.25*
D39	0.00	0.00	0.02	0.02	0.03
D41	0.12*	0.13*	0.14*	0.15*	0.23*
D43	0.02	0.04*	0.04	0.06	0.11
D44	0.10*	0.12*	0.15*	0.16*	0.21*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	0.00	0.00	0.04	0.07	0.08
D56	0.14*	0.14*	0.12	0.17	0.25*
D57	0.20*	0.23*	0.09*	0.09	0.28*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.06*	0.05*	0.04	0.06*	0.10*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.11*	0.17*	0.15*	0.21*	0.37*
D67	0.06*	0.04	0.22*	0.27*	0.27*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.08*	0.07*	0.07*	0.11*	0.16*
D72	0.12*	0.08*	0.15*	0.15*	0.23*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.03*	0.02	0.06	0.07	0.08
D77	0.03*	0.02	0.06	0.11*	0.15*
D78	0.03	0.02	0.05	0.06	0.09
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.01	0.01	0.02	0.12*	0.13*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.01	0.01	0.03	0.03	0.04
D87	0.17*	0.19*	0.11	0.21	0.31*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.08*	0.06*	0.08*	0.11*	0.21*
D90	0.14*	0.15*	0.17*	0.21*	0.26*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	0.19*	0.20*	0.38*	0.39*	0.39*
D93	0.08*	0.09*	0.08*	0.14*	0.20*
D94	0.16*	0.16*	0.10*	0.13*	0.24*
D95	0.10*	0.11*	0.25	0.25	0.35
D96	0.07*	0.15*	0.08*	0.14*	0.24*
D97	0.04*	0.06*	0.08*	0.12*	0.15*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38
# of Significant Correlations	29	27	23	26	29
Percent Significant	76%	71%	61%	68%	76%
Median R-Square	0.08	0.09	0.10	0.14	0.21

Table 7

First Year Grade Point Average Regressed with Pre-Dental GPA, Science GPA, and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	0.10*	0.08*	0.25*	0.25*	0.29*
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.04*	0.05*	0.11*	0.15*	0.18*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.19*	0.20*	0.20*	0.22*	0.30*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.12*	0.13*	0.16*	0.17*	0.26*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.11*	0.10*	0.24*	0.24*	0.28*
D23	0.03*	0.03*	0.15*	0.16*	0.18*
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	0.08	0.09	0.06	0.18	0.23
D29	0.11*	0.11*	0.17*	0.18*	0.23*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.27*	0.23*	0.28*	0.28*	0.40*
D33	0.04*	0.05*	0.16*	0.16*	0.19*
D36	0.23*	0.23*	0.15*	0.17*	0.31*
D38	0.20*	0.21*	0.27*	0.28*	0.36*
D39	0.12*	0.10*	0.14*	0.14*	0.18*
D41	0.13*	0.14*	0.18*	0.18*	0.26*
D43	0.07*	0.08*	0.18*	0.18*	0.23*
D44	0.12*	0.14*	0.20*	0.20*	0.25*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	0.04	0.05*	0.07	0.07	0.11
D56	0.17*	0.16*	0.18*	0.18	0.30*
D57	0.18*	0.20*	0.18*	0.18*	0.33*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.12*	0.10*	0.13*	0.13*	0.19*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.10*	0.19*	0.23*	0.25*	0.45*
D67	0.05*	0.03	0.23*	0.23*	0.23*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.16*	0.14*	0.22*	0.22*	0.30*
D72	0.24*	0.18*	0.21*	0.25*	0.36*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.05*	0.05*	0.06	0.07	0.10
D77	0.00	0.08*	0.22*	0.22*	0.25*
D78	0.24*	0.24*	0.21*	0.22*	0.32*
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.12*	0.11*	0.15*	0.17*	0.21*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.08*	0.13*	0.13*	0.13*	0.19*
D87	0.26*	0.28*	0.28*	0.34*	0.43*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.07*	0.05*	0.11*	0.12*	0.22*
D90	0.17*	0.18*	0.28*	0.29*	0.34*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	0.20*	0.23*	0.40*	0.41*	0.42*
D93	0.11*	0.12*	0.16*	0.19*	0.26*
D94	0.21*	0.21*	0.16*	0.17*	0.29*
D95	0.08	0.09	0.33*	0.34*	0.40*
D96	0.24*	0.21*	0.17*	0.17*	0.33*
D97	0.08*	0.08*	0.25*	0.25*	0.27*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	38	38	38	38	38
# of Significant Correlations	34	35	35	34	35
Percent Significant	89%	92%	92%	89%	92%
Median R-Square	0.12	0.13	0.18	0.18	0.27

Table 8

First Year Clinical Science Grade Point Average Regressed with Pre-Dental GPA, Science GPA, and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.01	0.01	0.07*	0.08*	0.08
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	N/Av	N/Av	N/Av	N/Av	N/Av
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	0.10*	0.08*	0.15*	0.15*	0.21*
D23	0.00	0.00	0.05*	0.05	0.06
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	0.11*	0.11*	0.10	0.26	0.32
D29	N/Av	N/Av	N/Av	N/Av	N/Av
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	N/Av	N/Av	N/Av	N/Av	N/Av
D33	N/Av	N/Av	N/Av	N/Av	N/Av
D36	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av
D39	N/Av	N/Av	N/Av	N/Av	N/Av
D41	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.02	0.02	0.16*	0.16*	0.17*
D44	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av
D57	N/Av	N/Av	N/Av	N/Av	N/Av
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.16*	0.21*	0.16*	0.16*	0.34*
D67	N/Av	N/Av	N/Av	N/Av	N/Av
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	N/Av	N/Av	N/Av	N/Av	N/Av
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	N/Av	N/Av	N/Av	N/Av	N/Av
D77	N/Av	N/Av	N/Av	N/Av	N/Av
D78	0.20*	0.19*	0.21*	0.22*	0.29*
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	N/Av	N/Av	N/Av	N/Av	N/Av
D87	0.12*	0.12*	0.09	0.15	0.20
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.10*	0.10*	0.12*	0.13*	0.18*
D95	N/Av	N/Av	N/Av	N/Av	N/Av
D96	N/Av	N/Av	N/Av	N/Av	N/Av
D97	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
of Correlations	9	9	9	9	9
of Significant Correlations	6	6	7	6	5
Percent Significant	67%	67%	78%	67%	56%
Median R-Square	0.10	0.10	0.12	0.15	0.20

Table 9

**Second Year Biomedical Grades
Correlated with Pre-Dental GPA, Science GPA and DAT Scores**

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.22*	0.27*	0.18	0.19	0.08	0.05	0.15	0.24*	0.10	0.16
D43	0.40*	0.41*	0.26*	0.29*	0.25*	0.00	0.23*	0.27*	0.18	0.16
D23	0.21*	0.21*	0.13	0.18*	0.07	0.00	0.15*	0.11	0.16*	0.08
D44	0.39*	0.43*	0.37*	0.31*	0.29*	0.17*	0.27*	0.31*	0.21*	0.13
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.52*	0.46*	0.37*	0.36*	0.22*	0.25*	0.31*	0.24*	0.32*	0.23*
D67	0.22*	0.27*	0.39*	0.41*	0.26*	0.16	0.29*	0.39*	0.32*	0.17
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.31*	0.30*	0.22*	0.24*	0.11	0.10	0.24*	0.16*	0.19*	0.02
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.24*	0.22*	0.09	0.07	0.11	0.04	0.06	0.01	0.08	-0.05
D92	N/Av	N/Av	0.32*	0.37*	0.14	0.12	0.38*	0.28*	0.21*	0.13
D72	N/Av	N/Av	0.49*	0.51*	0.33*	0.11	0.39*	0.38*	0.40*	0.24*
D02	N/Av	N/Av	0.27*	0.26*	0.00	0.10	0.35*	0.18	0.25*	-0.02
D76	0.26*	0.25*	0.09	0.05	0.07	0.02	0.09	0.04	0.01	0.06
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	0.14	0.13	0.12	0.13	0.07	0.02	0.12	0.14
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.36*	0.38*	0.44*	0.45*	0.22*	0.19*	0.37*	0.35*	0.46*	0.25*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.25*	0.20*	0.27*	0.22*	0.12	0.28*	0.21*	0.13	0.15*	0.02
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.30*	0.32*	0.37*	0.32*	0.26*	0.34*	0.22*	0.33*	0.23*	-0.05
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	0.30*	0.24*	0.33*	0.03	0.12	0.33*	0.08	0.33*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	0.14	0.14	0.40*	0.35*	0.29*	0.18*	0.24*	0.32*	0.29*	0.16*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.06	0.04	0.18*	0.10	0.10	0.14	0.09	0.19*	0.13	-0.04
D55	N/Av	N/Av	0.41*	0.45*	0.27*	0.20*	0.39*	0.29*	0.32*	0.32*
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	0.13	0.12	0.09	0.24	0.19	0.01	0.06	-0.03
D93	0.34*	0.31*	0.29*	0.30*	0.10	0.13	0.28*	0.25*	0.16*	0.01
D41	0.32*	0.33*	0.47*	0.45*	0.31*	0.17*	0.41*	0.33*	0.30*	0.25*
D38	0.32*	0.27*	0.44*	0.37*	0.33*	0.25*	0.36*	0.26*	0.27*	0.16*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.12	0.13	0.11	0.06	0.12	0.02	0.03	0.12	0.02	0.06
D65	0.39*	0.30*	0.38*	0.34*	0.25*	0.18	0.20	0.27*	0.27*	0.06
D87	N/Av	N/Av	0.25	0.36*	0.01	-0.16	0.26	0.31*	0.31*	0.14
D26	0.47*	0.48*	0.39*	0.34*	0.27*	0.25*	0.24*	0.29*	0.31*	0.21*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.43*	0.46*	0.40*	0.40*	0.21*	0.21*	0.34*	0.21*	0.36*	0.12*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.32*	0.35*	0.27*	0.27*	0.07	0.23*	0.26*	0.14	0.24*	0.11
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.30*	0.34*	0.44*	0.43*	0.29*	0.28*	0.42*	0.34*	0.32*	0.27*
D33	0.30*	0.35*	0.33*	0.38*	0.23*	0.10	0.35*	0.27*	0.25*	0.24*
D62	0.26*	0.24*	0.35*	0.37*	0.26*	0.20*	0.40*	0.26*	0.23*	0.17*
D29	0.07	0.07	0.52*	0.44*	0.47*	0.28	0.32	0.45*	0.30	0.33
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.40*	0.45*	0.27*	0.31*	0.17	-0.16	0.25*	0.27*	0.29*	0.05
D08	0.09	0.11	0.15*	0.17*	0.05	0.04	0.09	0.16*	0.14	0.09
D32	0.59*	0.63*	0.32*	0.40*	0.11	0.10	0.40*	0.26*	0.21*	-0.10
D15	0.19*	0.22*	0.22*	0.25*	0.13	0.08	0.22*	0.23*	0.19*	0.02
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	30	30	38	38	38	38	38	38	38	38
# of Significant Correlations	25	25	30	31	19	13	26	29	27	13
Percent Significant	83%	83%	79%	82%	50%	34%	68%	76%	71%	34%
Median Correlation	0.30	0.30	0.31	0.32	0.19	0.14	0.26	0.26	0.23	0.13

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 10
 Second Year Pre-Clinical Dental Technique Grades
 Correlated with Pre-Dental GPA, Science GPA and DAT Scores

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.28*	0.26*	0.18	0.13	0.11	0.11	0.14	0.17	0.03	0.17
D43	0.47*	0.45*	0.35*	0.35*	0.36*	0.01	0.27*	0.35*	0.22*	0.24*
D23	0.20*	0.21*	0.08	0.10	0.03	-0.03	0.06	0.06	0.14*	0.16*
D44	0.37*	0.40*	0.31*	0.18*	0.32*	0.26*	0.18*	0.20*	0.10	0.25*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.35*	0.31*	0.26*	0.25*	0.16*	0.16*	0.16*	0.21*	0.27*	0.37*
D67	0.28*	0.36*	0.31*	0.26*	0.26*	0.22*	0.15	0.27*	0.23*	0.32*
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.30*	0.32*	0.22*	0.21*	0.13	0.14*	0.25*	0.17*	0.10	0.11
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.16*	0.14	0.00	0.05	0.07	-0.01	0.06	0.01	0.04	0.18*
D92	N/Av	N/Av	0.41*	0.46*	0.27*	0.15	0.35*	0.31*	0.42*	0.39*
D72	N/Av	N/Av	0.36*	0.37*	0.21*	0.07	0.22*	0.26*	0.35*	0.24*
D02	N/Av	N/Av	0.22	0.12	0.09	0.23*	0.18	0.09	0.18	0.16
D76	0.29*	0.27*	0.27*	0.22*	0.25*	0.08	0.21*	0.16	0.16	0.07
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	0.04	0.01	0.03	0.16	0.01	-0.10	0.05	0.18*
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.34*	0.35*	0.30*	0.31*	0.17*	0.09	0.24*	0.25*	0.31*	0.25*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.43*	0.45*	0.38*	0.30*	0.27*	0.26*	0.24*	0.21*	0.31*	0.31*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.34*	0.37*	0.31*	0.30*	0.27*	0.16	0.18	0.25*	0.25*	0.24*
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	0.14	0.19	0.08	-0.02	0.16	0.20	0.02	0.27*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	0.14	0.11	0.19*	0.17*	0.03	0.15	0.16*	0.12	0.09	0.14
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.01	0.01	0.12	0.04	0.09	0.12	-0.01	0.07	0.18*	-0.12
D55	N/Av	N/Av	0.31*	0.31*	0.14	0.12	0.24*	0.27*	0.30*	0.37*
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	0.12	0.14	0.01	0.14	0.10	0.13	0.16	0.01
D93	0.39*	0.38*	0.28*	0.25*	0.18*	0.16*	0.21*	0.22*	0.15*	0.17*
D41	0.34*	0.35*	0.41*	0.38*	0.29*	0.14*	0.35*	0.28*	0.25*	0.30*
D38	0.25*	0.21*	0.38*	0.31*	0.27*	0.25*	0.27*	0.25*	0.26*	0.26*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.11	0.11	0.11	0.06	0.11	0.02	0.03	0.12	0.01	0.06
D65	0.45*	0.38*	0.45*	0.35*	0.38*	0.21	0.19	0.33*	0.31*	0.27*
D87	N/Av	N/Av	0.24	0.35*	0.05	-0.14	0.22	0.27	0.26	0.19
D26	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.17*	0.20*	0.14	0.19*	0.06	0.06	0.23*	0.02	0.18*	0.26*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.27*	0.31*	0.32*	0.28*	0.26*	0.25*	0.27*	0.26*	0.18*	0.37*
D33	0.36*	0.39*	0.27*	0.22*	0.29*	0.19*	0.22*	0.17*	0.09	0.26*
D62	0.28*	0.28*	0.35*	0.36*	0.28*	0.26*	0.38*	0.26*	0.21*	0.25*
D29	0.02	0.04	0.55*	0.46*	0.40*	0.45*	0.39*	0.42*	0.32	0.53*
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.43*	0.51*	0.25*	0.32*	0.11	-0.15	0.23*	0.32*	0.30*	0.07
D08	0.34*	0.31*	0.25*	0.24*	0.06	0.09	0.22*	0.16*	0.23*	0.20*
D32	0.60*	0.61*	0.14	0.24*	-0.07	0.07	0.23*	0.10	0.12	-0.01
D15	0.20*	0.24*	0.19*	0.18*	0.09	0.12	0.19*	0.15	0.17*	0.07
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	28	28	36	36	36	36	36	36	36	36
# of Significant Correlations	24	23	24	27	18	13	23	21	21	24
Percent Significant	86%	82%	67%	75%	50%	36%	64%	58%	58%	67%
Median Correlation	0.30	0.31	0.27	0.25	0.15	0.14	0.22	0.21	0.18	0.24

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 11
 Second Year Grade Point Average
 Correlated with Pre-Dental GPA, Science GPA and DAT Scores

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.29*	0.29*	0.15	0.15	0.08	0.09	0.17	0.17	0.02	0.20*
D43	0.47*	0.47*	0.29*	0.33*	0.25*	0.01	0.27*	0.29*	0.19	0.22*
D23	0.30*	0.31*	0.20*	0.23*	0.07	0.05	0.21*	0.12	0.24*	0.18*
D44	0.39*	0.45*	0.39*	0.29*	0.34*	0.22*	0.27*	0.30*	0.19*	0.19*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.52*	0.46*	0.38*	0.37*	0.22*	0.25*	0.30*	0.25*	0.34*	0.30*
D67	0.20*	0.24*	0.34*	0.34*	0.24*	0.18	0.22*	0.37*	0.26*	0.19
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.52*	0.50*	0.32*	0.29*	0.24*	0.18*	0.29*	0.17*	0.24*	0.19*
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.28*	0.25*	0.05	0.01	0.15	0.05	-0.02	0.04	-0.01	0.02
D92	N/Av	N/Av	0.43*	0.48*	0.27*	0.16	0.38*	0.33*	0.41*	0.37*
D72	N/Av	N/Av	0.43*	0.44*	0.28*	0.09	0.30*	0.32*	0.42*	0.28*
D02	N/Av	N/Av	0.27*	0.21	0.05	0.18	0.28*	0.14	0.24*	0.08
D76	0.29*	0.26*	0.33*	0.30*	0.25*	0.11	0.26*	0.25*	0.21*	0.07
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	0.05	0.02	0.04	0.16	0.02	-0.09	0.06	0.18*
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.38*	0.39*	0.38*	0.39*	0.20*	0.14*	0.31*	0.32*	0.40*	0.27*
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.36*	0.36*	0.28*	0.26*	0.17*	0.19*	0.22*	0.11	0.25*	0.14
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.35*	0.37*	0.35*	0.32*	0.30*	0.22*	0.25*	0.26*	0.26*	0.15
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	0.16	0.17	0.14	0.02	0.07	0.23*	0.06	0.23*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	0.29*	0.29*	0.40*	0.37*	0.28*	0.16*	0.26*	0.33*	0.30*	0.24*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.03	0.02	0.13	0.04	0.08	0.13	0.00	0.09	0.17	-0.12
D55	N/Av	N/Av	0.44*	0.50*	0.27*	0.21*	0.44*	0.37*	0.34*	0.45*
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	0.16	0.16	0.14	0.20	0.21	0.01	0.11	0.01
D93	0.39*	0.39*	0.29*	0.27*	0.18*	0.16*	0.23*	0.23*	0.16*	0.15*
D41	0.32*	0.34*	0.38*	0.33*	0.27*	0.19*	0.32*	0.23*	0.19*	0.22*
D38	0.31*	0.25*	0.49*	0.42*	0.33*	0.31*	0.37*	0.31*	0.35*	0.20*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.54*	0.57*	0.36*	0.26	0.20	0.34*	0.25	0.24	0.26	0.28
D65	0.40*	0.34*	0.48*	0.44*	0.33*	0.18	0.27*	0.38*	0.37*	0.18
D87	N/Av	N/Av	0.26	0.38*	0.04	-0.15	0.25	0.31*	0.29*	0.15
D26	0.53*	0.52*	0.38*	0.33*	0.28*	0.23*	0.23*	0.27*	0.31*	0.31*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.39*	0.42*	0.34*	0.38*	0.18*	0.14*	0.33*	0.19*	0.33*	0.20*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	0.26*	0.29*	0.21*	0.23*	0.09	0.15	0.25*	0.07	0.22*	0.22*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.32*	0.36*	0.47*	0.47*	0.31*	0.27*	0.46*	0.40*	0.33*	0.37*
D33	0.36*	0.39*	0.31*	0.30*	0.28*	0.17*	0.28*	0.22*	0.16*	0.27*
D62	0.29*	0.28*	0.37*	0.38*	0.29*	0.24*	0.41*	0.27*	0.22*	0.22*
D29	0.04	0.05	0.56*	0.48*	0.44*	0.35*	0.36*	0.50*	0.31	0.46*
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.51*	0.56*	0.30*	0.36*	0.16	-0.15	0.29*	0.33*	0.32*	0.06
D08	0.25*	0.24*	0.31*	0.29*	0.12	0.15*	0.25*	0.20*	0.27*	0.27*
D32	0.60*	0.61*	0.12	0.23*	-0.10	0.06	0.24*	0.11	0.08	-0.12
D15	0.22*	0.27*	0.28*	0.27*	0.21*	0.14	0.29*	0.18*	0.23*	0.11
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	30	30	38	38	38	38	38	38	38	38
# of Significant Correlations	28	28	30	30	24	19	30	27	28	24
Percent Significant	93%	93%	79%	79%	63%	50%	79%	71%	74%	63%
Median Correlation	0.34	0.35	0.33	0.31	0.22	0.16	0.27	0.25	0.25	0.20

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 12

**Second Year Clinical Science Grade Point Average
Correlated with Pre-Dental GPA, Science GPA and DAT Scores**

School Code	Pre-Dental GPA	Science GPA	Academic Average	Total Science	Quantitative	Reading Comp.	Biology	General Chem.	Organic Chem.	Percep. Ability
D78	0.26*	0.25*	0.08	0.09	0.07	0.07	0.16	0.09	-0.07	0.19
D43	0.41*	0.40*	0.31*	0.25*	0.35*	0.10	0.21*	0.22*	0.12	0.18
D23	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D44	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D67	-0.16	-0.09	-0.05	-0.15	0.10	-0.01	-0.19	0.11	-0.21	-0.01
D10	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D94	0.33*	0.33*	0.22*	0.22*	0.08	0.12	0.23*	0.16*	0.14*	0.10
D61	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.15	0.16	0.00	-0.05	0.10	0.02	-0.02	0.01	-0.09	0.13
D92	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D72	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D02	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D76	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D90	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D24	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D71	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	-0.02	0.00	-0.01	-0.03	0.10	-0.07	-0.03	-0.03	-0.06	-0.19
D68	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D12	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	0.39*	0.37*	0.33*	-0.02	0.22*	0.45*	0.23*	0.32*
D19	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D77	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	-0.03	-0.03	0.06	0.04	-0.05	0.08	0.01	0.04	0.12	-0.15
D55	N/Av	N/Av	0.03	0.03	-0.04	0.02	0.06	-0.08	0.08	0.11
D81	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	0.08	0.05	0.06	0.07	0.02	-0.03	0.11	0.01
D93	0.16*	0.16*	0.12	0.15*	0.10	0.04	0.08	0.14*	0.11	0.15*
D41	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.25*	0.15	0.29*	0.27*	0.23	0.04	0.21	0.28*	0.12	0.11
D87	N/Av	N/Av	0.20	0.37*	-0.01	-0.24	0.21	0.35*	0.30*	0.09
D26	0.54*	0.53*	0.30*	0.26*	0.25*	0.14	0.16	0.20*	0.27*	0.28*
D52	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.20*	0.22*	0.14*	0.22*	0.06	-0.05	0.21*	0.10	0.18*	0.31*
D84	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D36	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D33	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.11	0.09	0.02	0.05	0.02	0.04	0.09	-0.01	-0.04	0.00
D29	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D17	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D63	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D39	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.21	0.18	0.20*	0.23*	0.11	0.09	0.15*	0.18*	0.21*	0.21*
D32	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D15	-0.09	-0.04	0.09	0.09	0.10	-0.02	0.07	0.12	0.03	0.08
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	14	14	18	18	18	18	18	18	18	18
# of Significant Correlations	7	6	7	9	3	0	5	8	6	5
Percent Significant	50%	43%	39%	50%	17%	0%	28%	44%	33%	28%
Median Correlation	0.18	0.16	0.11	0.12	0.10	0.04	0.12	0.12	0.12	0.11

* Coefficients significant at the 0.05 level are flagged with an asterisk and displayed in bold.

Table 13

Second Year Biomedical Grades Regressed with Pre-Dental GPA, Science GPA, and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.01	0.01	0.02	0.03	0.03
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.09*	0.11*	0.16*	0.18*	0.25*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.03*	0.05*	0.09*	0.10*	0.13*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	N/Av	N/Av	N/Av
D23	0.03*	0.03*	0.03	0.03	0.05
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	N/Av	N/Av	N/Av	N/Av	N/Av
D29	0.01	0.00	0.51	0.58	0.85*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.32*	0.35*	0.35*	0.38*	0.51*
D33	0.09*	0.10*	0.14*	0.15*	0.20*
D36	0.25*	0.27*	0.20*	0.21*	0.40*
D38	0.10*	0.07*	0.27*	0.27*	0.31*
D39	0.16*	0.20*	0.17*	0.17*	0.27*
D41	0.10*	0.11*	0.23*	0.24*	0.27*
D43	0.16*	0.17*	0.13*	0.13*	0.22*
D44	0.13*	0.17*	0.14*	0.14*	0.25*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.00	0.00	0.08	0.08	0.08
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.07*	0.06*	0.17*	0.17*	0.18*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.14*	0.08*	0.13	0.14	0.22*
D67	0.05*	0.08*	0.20*	0.20*	0.24*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.06*	0.04*	0.10*	0.10*	0.14*
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.07*	0.06*	0.08	0.08	0.14
D77	0.02	0.02	0.15*	0.15*	0.15*
D78	0.05*	0.07*	0.07	0.08	0.14
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.06*	0.05*	0.02	0.03	0.08
D87	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.13*	0.14*	0.24*	0.24*	0.28*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.11*	0.10*	0.11*	0.11*	0.21*
D94	0.10*	0.09*	0.06*	0.07*	0.14*
D95	0.15*	0.15*	0.09	0.11	0.22
D96	0.27*	0.21*	0.26*	0.27*	0.39*
D97	0.09*	0.10*	0.22*	0.22*	0.25*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	28	28	28	28	28
# of Significant Correlations	24	24	19	19	21
Percent Significant	86%	86%	68%	68%	75%
Median R-Square	0.09	0.09	0.14	0.15	0.22

Table 14

**Second Year Pre-Clinical Dental Technique Grades Regressed with Pre-Dental GPA,
Science GPA, and DAT Scores**

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.12*	0.10*	0.07	0.09	0.17
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.12*	0.13*	0.10	0.12	0.21*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.04*	0.06*	0.07	0.07	0.13*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	N/Av	N/Av	N/Av
D23	0.04*	0.04*	0.02	0.04	0.06
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	N/Av	N/Av	N/Av	N/Av	N/Av
D29	0.00	0.00	0.52	0.52	0.73*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.36*	0.36*	0.25*	0.25	0.43*
D33	0.13*	0.13*	0.10*	0.13*	0.22*
D36	0.08*	0.09*	0.12	0.14	0.22
D38	0.06*	0.04*	0.22*	0.24*	0.26*
D39	0.19*	0.26*	0.16*	0.16*	0.36*
D41	0.11*	0.12*	0.17*	0.19*	0.24*
D43	0.22*	0.21*	0.22*	0.22*	0.31*
D44	0.12*	0.15*	0.13*	0.15*	0.23*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.00	0.00	0.05	0.06	0.07
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.08*	0.08*	0.17*	0.17*	0.19*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.28*	0.21*	0.21*	0.22*	0.38*
D67	0.08*	0.13*	0.12*	0.15*	0.24*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.19*	0.21*	0.17*	0.20*	0.34*
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.08*	0.07*	0.09	0.10	0.17
D77	0.02	0.01	0.05	0.07	0.09
D78	0.08*	0.07*	0.06	0.08	0.12
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.03*	0.02	0.01	0.04	0.07
D87	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.11*	0.12*	0.11*	0.12*	0.17*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.15*	0.15*	0.08*	0.09*	0.21*
D94	0.09*	0.10*	0.07*	0.07*	0.16*
D95	0.15*	0.15*	0.09	0.11	0.22
D96	0.12*	0.09*	0.10*	0.21*	0.28*
D97	0.07*	0.09*	0.12*	0.17*	0.21*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	28	28	28	28	28
# of Significant Correlations	25	24	16	15	19
Percent Significant	89%	86%	57%	54%	68%
Median R-Square	0.10	0.10	0.11	0.14	0.22

Table 15
Second Year Grade Point Average Regressed with Pre-Dental GPA, Science GPA,
and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.06*	0.06*	0.12	0.17*	0.19*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.12*	0.14*	0.13*	0.13*	0.22*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.05*	0.07*	0.10*	0.10*	0.15*
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	N/Av	N/Av	N/Av
D23	0.08*	0.09*	0.07*	0.09*	0.14*
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	N/Av	N/Av	N/Av	N/Av	N/Av
D29	0.01	0.00	0.53	0.56	0.80*
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	0.34*	0.34*	0.30*	0.33*	0.49*
D33	0.13*	0.14*	0.12*	0.14*	0.22*
D36	0.17*	0.20*	0.16*	0.17	0.31*
D38	0.09*	0.06*	0.26*	0.26*	0.29*
D39	0.26*	0.31*	0.19*	0.20*	0.37*
D41	0.10*	0.11*	0.15*	0.16*	0.21*
D43	0.17*	0.17*	0.17*	0.17*	0.25*
D44	0.14*	0.18*	0.16*	0.16*	0.27*
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.00	0.00	0.05	0.06	0.07
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.08*	0.08*	0.19*	0.19*	0.21*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.16*	0.11*	0.22*	0.22*	0.30*
D67	0.05*	0.06*	0.16*	0.16*	0.19*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.15*	0.15*	0.11*	0.11*	0.22*
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.08*	0.07*	0.09	0.10	0.17
D77	0.08*	0.08*	0.15*	0.16*	0.19*
D78	0.08*	0.08*	0.06	0.10	0.15*
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.08*	0.06*	0.03	0.03	0.13*
D87	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.14*	0.15*	0.18*	0.19*	0.24*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.16*	0.15*	0.09*	0.10*	0.22*
D94	0.28*	0.26*	0.11*	0.12*	0.32*
D95	0.29*	0.33*	0.17	0.20	0.41*
D96	0.27*	0.21*	0.24*	0.27*	0.41*
D97	0.10*	0.12*	0.25*	0.26*	0.30*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	28	28	28	28	28
# of Significant Correlations	26	26	21	21	26
Percent Significant	93%	93%	75%	75%	93%
Median R-Square	0.11	0.12	0.16	0.16	0.22

Table 16
Second Year Clinical Science Grade Point Average Regressed with Pre-Dental GPA, Science GPA,
and DAT Scores

School Code	Pre-Dental GPA	Science GPA	DAT Academic Scores	All DAT Scores	All Predictors
D02	N/Av	N/Av	N/Av	N/Av	N/Av
D03	N/Av	N/Av	N/Av	N/Av	N/Av
D05	N/Av	N/Av	N/Av	N/Av	N/Av
D06	N/Av	N/Av	N/Av	N/Av	N/Av
D07	N/Av	N/Av	N/Av	N/Av	N/Av
D08	0.04	0.03	0.05	0.06	0.09
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.00	0.00	0.03	0.09	0.09
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.01	0.00	0.02	0.03	0.06
D17	N/Av	N/Av	N/Av	N/Av	N/Av
D19	N/Av	N/Av	N/Av	N/Av	N/Av
D20	N/Av	N/Av	N/Av	N/Av	N/Av
D22	N/Av	N/Av	N/Av	N/Av	N/Av
D23	N/Av	N/Av	N/Av	N/Av	N/Av
D24	N/Av	N/Av	N/Av	N/Av	N/Av
D26	N/Av	N/Av	N/Av	N/Av	N/Av
D29	N/Av	N/Av	N/Av	N/Av	N/Av
D31	N/Av	N/Av	N/Av	N/Av	N/Av
D32	N/Av	N/Av	N/Av	N/Av	N/Av
D33	N/Av	N/Av	N/Av	N/Av	N/Av
D36	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av
D39	N/Av	N/Av	N/Av	N/Av	N/Av
D41	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.17*	0.16*	0.14*	0.14*	0.22*
D44	N/Av	N/Av	N/Av	N/Av	N/Av
D47	N/Av	N/Av	N/Av	N/Av	N/Av
D49	N/Av	N/Av	N/Av	N/Av	N/Av
D52	N/Av	N/Av	N/Av	N/Av	N/Av
D53	N/Av	N/Av	N/Av	N/Av	N/Av
D55	N/Av	N/Av	N/Av	N/Av	N/Av
D56	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.00	0.00	0.05	0.07	0.07
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.01	0.01	0.02	0.02	0.03
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.06*	0.02	0.11	0.11	0.16
D67	0.01	0.00	0.21	0.21	0.28
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	N/Av	N/Av	N/Av	N/Av	N/Av
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	N/Av	N/Av	N/Av	N/Av	N/Av
D77	N/Av	N/Av	N/Av	N/Av	N/Av
D78	0.07*	0.06*	0.07	0.11	0.15
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	N/Av	N/Av	N/Av	N/Av	N/Av
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	N/Av	N/Av	N/Av	N/Av	N/Av
D86	0.02	0.03	0.03	0.05	0.08
D87	N/Av	N/Av	N/Av	N/Av	N/Av
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	N/Av	N/Av	N/Av	N/Av	N/Av
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.02*	0.02*	0.02	0.04	0.05
D94	0.11*	0.11*	0.06*	0.06	0.15*
D95	N/Av	N/Av	N/Av	N/Av	N/Av
D96	N/Av	N/Av	N/Av	N/Av	N/Av
D97	N/Av	N/Av	N/Av	N/Av	N/Av
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	12	12	12	12	12
# of Significant Correlations	5	4	2	1	2
Percent Significant	42%	33%	17%	8%	17%
Median R-Square	0.02	0.02	0.05	0.07	0.09

TESTING SERVICES

ADA American Dental Association®

Dental Admission Test Program
Department of Testing Services
401 North Michigan Ave
Chicago, Illinois 60611

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