

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 science and pre-dental total grade point averages (GPAs), DAT scores, and academic and preclinical 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 pre-dental success in students' first two years of dental education.

The Dental Admission Test 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.

Data

A total of 67 United States dental schools were eligible to participate in this study. In order for school data to be included in all analyses, schools needed to provide grades in every area that was requested (i.e., dental school GPAs and pre-dental GPAs). For the first-year class, 24 of the eligible schools did not provide grades in the areas requested, two (2) schools provided incomplete data, and 41 schools provided comprehensive data in all areas requested. Thus a total of 43 schools participated with respect to this class. However, seven (7) of the 43 schools utilized the pass-fail grading system and were excluded from the analysis. For the second-year class, 24 of the eligible schools did not provide grades in the areas requested, 16 schools provided incomplete data, and 27 schools provided comprehensive data in all areas requested. Thus a total of 43 schools participated with respect to the second-year class. However, seven (7) schools utilized the pass-fail grading system and were excluded from the analysis.

The report presents findings involving first- and second-year grades in biomedical sciences and pre-clinical dental technique, and first- and second-year grade point averages (GPAs). Students' grades in the first or second year of dental school during the 2020-2021 and 2021-2022 academic years, and students' undergraduate science and pre-dental GPA were submitted by the dental schools participating in this study.

The following instructions describe how schools were asked to report undergraduate and first- and second-year dental school grades:

Pre-dental Course Grades

Pre-dental Total GPA (4.0 Scale): The grade point average calculated for all courses taken by the student during his/her undergraduate years. The official final recorded Pre-dental Total GPA that the dental school has for the student.

Pre-dental Science GPA (4.0 Scale): The grade point average calculated for all science courses taken by the student during his/her undergraduate years. The official final recorded Pre-dental Science GPA that the dental school has for the student.

Method for Calculating GPAs

The recommended method for calculating GPAs (e.g., 1st Year Biomedical Science GPA, Preclinical Dental Technique Total GPA, 1st Year Overall Dental GPA) is as follows:

1. Sum the number of course credits taken by the student in the category indicated (e.g., 1st Year Biomedical Science). This yields a number we will call “Sum of Credits.”
2. For each course, take the student’s grade in that course (e.g., 4.0) and multiply it by the number of credits associated with that course (e.g., 3). This yields a number we will call “Cred_x_Grade” (e.g., 12).
3. Sum the “Cred_x_Grade” for the student for all courses in the category indicated. This yields a number we will call “Sum of Cred_x_Grade.”
4. Divide the “Sum of Cred_x_Grade” by the “Sum of Credits” in the category indicated, to obtain the student’s GPA in the category indicated.

Course Grades in the First-Year Class

Biomedical Science Total GPA (4.0 Scale): Please include in this category any courses your dental school considers as 1st Year Biomedical Science courses. These could include such courses as Dental Anatomy, Gross Anatomy, Head and Neck Anatomy, Microscopic Anatomy, Oral Histology, Oral Biology, Oral Diagnosis, Biochemistry, Microbiology, Immunology, Oral Pathology, Pharmacology, Physiology, Genetics, etc.

Preclinical Dental Technique Total GPA (4.0 Scale): Please include in this category any courses your dental school considers as 1st Year Preclinical Dental Technique courses. These could include such courses as Preclinical Operative Technique, Fixed Prosthodontics Technique, Removable Prosthodontics Technique, etc. Please use only Preclinical courses.

Clinical Science Total GPA (if applicable)¹ (4.0 Scale): Any courses your dental school considers as 1st Year Clinical Science courses. Clinical Science courses are generally those that take place in a clinical setting, and may include interaction with patients.

1st Year (Only) Cumulative Dental GPA (4.0 Scale): This includes the cumulative Dental GPA of all 1st Year dental courses.

Course Grades in the Second-Year Class

Biomedical Science Total GPA (4.0 Scale): Please include in this category any courses your dental school considers as 2nd Year Biomedical Science courses. These could include such courses as Dental Anatomy, Gross Anatomy, Head and Neck Anatomy, Microscopic

¹ Beginning in 2021, Clinical Science Total GPA in the first-year class is collected for the 2020-2021 academic year from schools where it is applicable.

Anatomy, Oral Histology, Oral Biology, Oral Diagnosis, Biochemistry, Microbiology, Immunology, Oral Pathology, Pharmacology, Physiology, Genetics, etc.

Preclinical Dental Technique Total GPA (4.0 Scale): Please include in this category any courses your dental school considers as 2nd Year Preclinical Dental Technique courses. These could include such courses as Preclinical Operative Technique, Fixed Prosthodontics Technique, Removable Prosthodontics Technique, Endodontics Technique, Orthodontics Technique, Preclinical Periodontics, Preclinical Pediatric Dentistry, etc. Please use only Preclinical courses.

Clinical Science Total GPA (if applicable)² (4.0 Scale): Any courses your dental school considers as 2nd Year Clinical Science courses. Clinical Science courses are generally those that take place in a clinical setting, and may include interaction with patients.

2nd Year (Only) Cumulative Dental GPA (4.0 Scale): This includes the cumulative Dental GPA of all second year dental courses. **Please include only the second year courses**, exclude first year courses from this calculation.

Methods

In previous DAT validity study reports, large tables containing Pearson product-moment correlation coefficients (r) and squared multiple correlation coefficients (R^2 or R-Square) by school were presented to indicate the relationship between admission selection criteria—such as undergraduate GPAs (i.e., pre-dental GPA and science GPA) and DAT scores—and student performance in their first two years of dental education. As expected, results varied from school to school given the large number of participating schools. The meta-analytic approach developed by Hunter and Schmidt (1990) was adopted in this report, to cumulate and integrate findings across the participating dental schools, summarizing the relationship. This is a two-step approach. First, r and multiple R^2 produced via standard multiple regressions between dental school grades and undergraduate GPAs and DAT scores were calculated for each participating dental school (see Appendices 1 for the results). The multiple regressions involve the following predictors: all DAT scores (DAT academic scores, including reading comprehension, quantitative reasoning, biology, general chemistry and organic chemistry, and the perceptual ability score) presented individually, as well as the full set of available predictors (combination of undergraduate GPAs—including pre-dental science GPA and pre-dental total GPA—as well as all DAT scores). The correlational and multiple R values for all participating dental schools serve as input data for the meta-analysis, in reporting overall findings.

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. In other words, 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 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

² Beginning in 2021, Clinical Science Total GPA in the second-year class is collected for the 2020-2021 academic year from schools where it is applicable.

reliable. The use of the meta-analytic approach addresses these issues by implementing statistical corrections for range restriction and the unreliability of operational measures. Because dental schools must base their decisions on actual DAT scores, it would be inappropriate in this situation to correct predictor unreliability for DAT scores. Thus, the present meta-analysis included corrections to adjust range restriction in the DAT scores and unreliability in measures for dental school GPAs. These adjustments provide a more accurate understanding of the true relationship between the DAT as an admission tool, and general 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 the dental school GPAs. The restricted standard deviation would be the standard deviation found in the observed sample, while the unrestricted standard deviation would be the corresponding standard deviation associated with the pool of all applicants in a given year (i.e., all DAT examinations in 2019-2020 or 2020-2021, 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 Table 1.

Table 1. Artifact distribution used in the meta-analyses

Variable		k_U	Mean U	Variance U	Mean r	Variance r
First Year Class	Predictor (DAT Scores and Pre-dental GPAs)					
	Academic Average	36	0.71	0.0434	0.96	0.00004
	Total Science	36	0.72	0.0414	0.94	0.00002
	Quantitative Reasoning	36	0.84	0.0531	0.85	0.00020
	Reading Comprehension	36	0.82	0.0431	0.80	0.00098
	Biology	36	0.79	0.0479	0.85	0.00033
	General Chemistry	36	0.73	0.0464	0.83	0.00016
	Organic Chemistry	36	0.72	0.0393	0.85	0.00009
	Perceptual Ability	36	0.80	0.0434	0.91	0.00011
	Pre-Dental Science GPA	N/A	N/A	N/A	0.82	0.00026
	Pre-Dental GPA	N/A	N/A	N/A	0.82	0.00026
	Criterion (Dental School GPAs)					
	Biomedical Grades	N/A	N/A	N/A	0.82	0.00026
	Pre-Clinical Dental Technique Grades	N/A	N/A	N/A	0.82	0.00026
	Clinical Science Grades	N/A	N/A	N/A	0.82	0.00026
Grade Point Average	N/A	N/A	N/A	0.82	0.00026	
Second Year Class	Predictor (DAT Scores)					
	Academic Average	36	0.69	0.0101	0.95	0.00006
	Total Science	36	0.69	0.0068	0.93	0.00002
	Quantitative Reasoning	36	0.82	0.0109	0.84	0.00019
	Reading Comprehension	36	0.90	0.0035	0.81	0.00105
	Biology	36	0.74	0.0076	0.82	0.00028
	General Chemistry	36	0.79	0.0065	0.82	0.00019
	Organic Chemistry	36	0.76	0.0061	0.85	0.00018
	Perceptual Ability	36	0.80	0.0041	0.91	0.00011
	Pre-Dental Science GPA	N/A	N/A	N/A	0.82	0.00026
	Pre-Dental GPA	N/A	N/A	N/A	0.82	0.00026
	Criterion (Dental School GPAs)					
	Biomedical Grades	N/A	N/A	N/A	0.82	0.00026
	Pre-Clinical Dental Technique Grades	N/A	N/A	N/A	0.82	0.00026
	Clinical Science Grades	N/A	N/A	N/A	0.82	0.00026
Grade Point Average	N/A	N/A	N/A	0.82	0.00026	

Note: U = ratio for range restriction; k_U = number of ratios in the distribution; r = reliability in the distribution;

Table 2A and 2B provide the results of the meta-analysis. In interpreting the results summarized in Tables 2A and 2B, the following should be noted:

- The observed weighted mean correlation coefficient (r_{obs}) is the average correlation coefficients of 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 of 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 will typically 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) ($\rho_{with\ outlier}$) present and without the outlier(s) (ρ) present are shared in this report.
- The corrected correlation coefficients (ρ) reported in Tables 2A and 2B show the relationships between dental school performance and students' prior achievement as indicated by undergraduate GPAs and DAT scores.
- A 95% credibility interval around the corrected correlation coefficients was constructed and reported. The credibility interval helps determine the generalizability of the corrected correlation coefficients. A credibility interval not including zero indicates valid generalization of corrected correlation coefficients.

Results and Discussion

PART I: Results of Meta-analysis for the First-Year Class

Table 2A. Correlations between First-Year Dental School Grades and Predictors

Variable	N	K	r_{obs}	SD_{obs}	$\rho_{with\ outlier}$	ρ	SD_{ρ}	95% Credibility Interval
Biomedical Grades								
Academic Average	7161	35	0.36	0.09	0.53	0.54	0.07	0.40 - 0.67
Total Science	6665	33	0.37	0.10	0.52	0.53	0.05	0.43 - 0.63
Quantitative Reasoning	7473	36	0.21	0.08	N/A	0.26	0.05	0.16 - 0.35
Reading Comprehension	7473	36	0.17	0.08	N/A	0.22	0.05	0.11 - 0.32
Biology	6711	33	0.33	0.09	0.42	0.44	0.02	0.40 - 0.48
General Chemistry	7023	33	0.27	0.09	0.36	0.38	0.05	0.29 - 0.47
Organic Chemistry	6665	33	0.29	0.10	0.40	0.41	0.05	0.31 - 0.50
Perceptual Ability	7473	36	0.18	0.09	N/A	0.24	0.07	0.10 - 0.39
Pre-Dental Science GPA*	7473	36	0.33	0.09	N/A	0.39	0.08	0.24 - 0.55
Pre-Dental GPA*	6950	34	0.32	0.09	0.38	0.36	0.05	0.26 - 0.47
All DAT Scores*†	5990	30	0.41	0.09	0.45	0.47	0.04	0.40 - 0.55
All Predictors*†	6348	31	0.48	0.09	0.53	0.55	0.06	0.44 - 0.66
Pre-Clinical Dental Technique Grades								
Academic Average	6363	32	0.23	0.10	0.35	0.37	0.09	0.21 - 0.54
Total Science	7110	34	0.21	0.09	N/A	0.32	0.09	0.14 - 0.49
Quantitative Reasoning	7110	34	0.16	0.09	N/A	0.20	0.08	0.05 - 0.35
Reading Comprehension	7027	33	0.12	0.09	0.15	0.16	0.06	0.05 - 0.29
Biology	7110	34	0.20	0.08	N/A	0.26	0.05	0.16 - 0.35
General Chemistry	7110	34	0.16	0.08	N/A	0.22	0.06	0.09 - 0.34
Organic Chemistry	7110	34	0.18	0.09	N/A	0.25	0.07	0.11 - 0.38
Perceptual Ability	6856	32	0.23	0.10	0.30	0.31	0.08	0.17 - 0.47
Pre-Dental Science GPA*	6505	32	0.26	0.10	0.31	0.31	0.08	0.16 - 0.46
Pre-Dental GPA*	6505	32	0.25	0.10	0.30	0.29	0.06	0.18 - 0.41
All DAT Scores*†	6798	33	0.33	0.10	0.36	0.37	0.07	0.23 - 0.52
All Predictors*†	6798	33	0.40	0.10	0.44	0.45	0.07	0.32 - 0.58
Clinical Science Grades								
Academic Average	1540	8	0.19	0.13	0.28	0.29	0.03	0.23 - 0.35
Total Science	1540	8	0.17	0.13	0.25	0.26	0.07	0.13 - 0.39
Quantitative Reasoning	1833	9	0.12	0.10	0.15	0.18	0.07	0.05 - 0.30
Reading Comprehension	1833	9	0.10	0.10	0.12	0.15	0.00	0.15 - 0.15
Biology	1540	8	0.17	0.10	0.22	0.22	0.00	0.22 - 0.22
General Chemistry	1833	9	0.12	0.09	0.15	0.19	0.00	0.19 - 0.19
Organic Chemistry	1833	9	0.13	0.11	0.17	0.20	0.10	0.01 - 0.40
Perceptual Ability	2028	10	0.13	0.11	N/A	0.17	0.09	-0.03 - 0.38
Pre-Dental Science GPA*	1735	9	0.26	0.14	0.31	0.27	0.11	0.06 - 0.48
Pre-Dental GPA*	1735	9	0.26	0.14	0.31	0.29	0.06	0.18 - 0.41
All DAT Scores*†	1527	8	0.26	0.09	0.29	0.32	0.02	0.27 - 0.37
All Predictors*†	1234	7	0.36	0.12	0.39	0.39	0.04	0.31 - 0.46
Grade Point Average								
Academic Average	7161	35	0.35	0.09	0.51	0.52	0.07	0.38 - 0.65
Total Science	6849	34	0.34	0.10	0.50	0.51	0.08	0.35 - 0.67
Quantitative Reasoning	7023	34	0.21	0.08	0.26	0.27	0.04	0.19 - 0.36
Reading Comprehension	7390	35	0.17	0.08	0.22	0.22	0.04	0.15 - 0.29
Biology	6284	32	0.30	0.09	0.39	0.42	0.01	0.40 - 0.44
General Chemistry	7473	36	0.26	0.09	N/A	0.35	0.07	0.21 - 0.48
Organic Chemistry	6711	33	0.27	0.09	0.38	0.40	0.06	0.28 - 0.52
Perceptual Ability	6844	34	0.22	0.09	0.29	0.31	0.07	0.17 - 0.44
Pre-Dental Science GPA*	7183	35	0.34	0.08	0.40	0.41	0.06	0.29 - 0.52
Pre-Dental GPA*	6561	32	0.32	0.08	0.38	0.40	0.05	0.31 - 0.49
All DAT Scores*†	6128	31	0.40	0.09	0.44	0.45	0.06	0.34 - 0.56
All Predictors*†	6348	31	0.47	0.09	0.52	0.54	0.06	0.43 - 0.65

Note. 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; *Not corrected for range restriction; †Multiple R

Table 2A presents the results of the meta-analysis involving first-year dental school grades and various predictors. These predictors represent either undergraduate GPAs (pre-dental GPA and science GPA) or DAT scores (two composite scores: academic average and total science; and six individual DAT scores: quantitative reasoning, reading comprehension, biology, general chemistry, organic chemistry, and perceptual ability) or a combination of both such as all DAT scores and the full set of all predictors. The results are summarized below:

All predictors ($\rho=0.55$), DAT academic average score ($\rho=0.54$), DAT total science score ($\rho=0.53$), and all DAT scores ($\rho=0.47$) showed the strongest relationships with first-year biomedical grades. Biology score ($\rho=0.44$), organic chemistry score ($\rho=0.41$), pre-dental science GPA ($\rho=0.39$), general chemistry score ($\rho=0.38$), and pre-dental GPA ($\rho=0.36$) appear to be more strongly related to first-year biomedical grades than are quantitative reasoning score ($\rho=0.26$), perceptual ability score ($\rho=0.24$), and reading comprehension score ($\rho=0.22$).

Correlations with first-year pre-clinical dental technique grades are lower than those obtained for first-year biomedical grades with the exception of the perceptual ability score. Among the six individual DAT scores, perceptual ability score ($\rho=0.31$) has the strongest relationship with first-year pre-clinical dental technique grades.

Correlations with first-year clinical science grades are lower than those obtained for first-year pre-clinical dental technique grades. All predictors ($\rho=0.39$), all DAT scores ($\rho=0.32$), DAT academic average score ($\rho=0.29$), pre-dental GPA ($\rho=0.29$), pre-dental science GPA ($\rho=0.27$), and DAT total science score ($\rho=0.26$) showed stronger relationships with first-year clinical science grades than the six individual DAT scores.

The pattern of correlations involving first-year grade point average with pre-dental GPA, pre-dental science GPA and all DAT scores is moderately similar to that of first-year biomedical grades. All predictors ($\rho=0.54$), DAT academic average score ($\rho=0.52$), and DAT total science score ($\rho=0.51$) are the strongest predictors of first-year grade point average. Among the remaining predictors, all DAT scores ($\rho=0.45$), biology score ($\rho=0.42$), pre-dental science GPA ($\rho=0.41$), pre-dental GPA ($\rho=0.40$), organic chemistry score ($\rho=0.40$), general chemistry score ($\rho=0.35$), and perceptual ability score ($\rho=0.31$) are more strongly related to first-year grade point average than are quantitative reasoning score ($\rho=0.27$) and reading comprehension score ($\rho=0.22$).

It should be noted that because the distributions of pre-dental GPA, pre-dental science GPA, all DAT scores, and all predictors of all the applicants are unknown, it is not possible to correct for range restriction for these predictors. Therefore, ρ values for these predictors are very likely to be even higher than the values that are currently being reported. Also, the 95% credibility intervals for almost all corrected correlation coefficients does not include zero, which suggests that the predictors are in fact related to dental school performance. The only exception is that for the corrected correlation coefficient between the perceptual ability score and first-year clinical science grades. There are two possible reasons that could contribute to this result. First, the reported first-year clinical science grades do not have as much variation as other first-year course grades. A total of 13 schools reported the first-year clinical science grades. However, three schools reported a perfect GPA of 4.0 for all students and were excluded from analysis because no correlation coefficients could be calculated for variables without variation. Among the remaining 10 schools reporting first-year clinical science grades, 30% to 45% of the students got a perfect GPA of 4.0 in three schools and 54% to 99% of the students got a perfect

GPA of 4.0 in four schools. This limited amount of variation would limit the magnitudes of the correlation coefficients for these schools. Second, the corrected correlation coefficients were calculated based on a smaller sample size because not as many schools reported first-year clinical science grades compared to first-year biomedical and pre-clinical dental technique grades. This smaller sample size resulted in wider credibility intervals.

PART II: Results of Meta-analysis for the Second-Year Class

Table 2B. Correlations between Second-Year Dental School Grades and Predictors

Variable	N	K	r_{obs}	SD_{obs}	$P_{with\ outlier}$	ρ	SD_{ρ}	95% Credibility Interval
Biomedical Grades								
Academic Average	7266	35	0.29	0.09	0.45	0.46	0.04	0.38 - 0.54
Total Science	7266	35	0.28	0.09	0.43	0.44	0.07	0.31 - 0.57
Quantitative Reasoning	7388	36	0.17	0.07	N/A	0.23	0.01	0.21 - 0.27
Reading Comprehension	7388	36	0.17	0.09	N/A	0.20	0.07	0.07 - 0.34
Biology	7266	35	0.23	0.08	0.35	0.35	0.05	0.26 - 0.45
General Chemistry	7266	35	0.22	0.08	0.31	0.32	0.05	0.22 - 0.41
Organic Chemistry	7388	36	0.21	0.09	N/A	0.30	0.08	0.14 - 0.46
Perceptual Ability	7388	36	0.11	0.09	N/A	0.16	0.09	0.01 - 0.32
Pre-Dental Science GPA*	5178	21	0.29	0.12	0.34	0.33	0.07	0.19 - 0.47
Pre-Dental GPA*	4789	20	0.29	0.11	0.35	0.32	0.06	0.20 - 0.44
All DAT Scores*†	4244	18	0.33	0.09	0.36	0.38	0.06	0.26 - 0.51
All Predictors*†	4636	19	0.41	0.09	0.45	0.46	0.06	0.35 - 0.57
Pre-Clinical Dental Technique Grades								
Academic Average	6254	30	0.25	0.11	0.40	0.39	0.08	0.23 - 0.54
Total Science	6455	32	0.21	0.08	N/A	0.33	0.07	0.18 - 0.47
Quantitative Reasoning	6455	32	0.17	0.08	N/A	0.23	0.06	0.11 - 0.36
Reading Comprehension	6125	31	0.14	0.09	0.17	0.18	0.07	0.05 - 0.31
Biology	6455	32	0.17	0.07	N/A	0.25	0.02	0.21 - 0.30
General Chemistry	6317	31	0.17	0.10	0.24	0.24	0.09	0.07 - 0.42
Organic Chemistry	6455	32	0.10	0.09	N/A	0.24	0.07	0.11 - 0.38
Perceptual Ability	6170	31	0.19	0.09	0.26	0.25	0.05	0.15 - 0.36
Pre-Dental Science GPA*	4763	20	0.27	0.11	0.33	0.35	0.06	0.24 - 0.47
Pre-Dental GPA*	4763	20	0.27	0.09	0.33	0.35	0.05	0.25 - 0.45
All DAT Scores*†	4523	19	0.31	0.07	0.34	0.32	0.00	0.32 - 0.33
All Predictors*†	4915	20	0.40	0.07	N/A	0.44	0.04	0.36 - 0.52
Clinical Science Grades								
Academic Average	4495	20	0.16	0.09	N/A	0.25	0.10	0.04 - 0.45
Total Science	4495	20	0.14	0.09	N/A	0.22	0.08	0.06 - 0.39
Quantitative Reasoning	4495	20	0.10	0.07	N/A	0.13	0.02	0.09 - 0.17
Reading Comprehension	3831	17	0.09	0.11	0.10	0.11	0.06	-0.01 - 0.22
Biology	4315	19	0.11	0.10	0.16	0.15	0.09	-0.03 - 0.32
General Chemistry	4495	20	0.12	0.09	N/A	0.16	0.08	0.01 - 0.31
Organic Chemistry	4495	20	0.11	0.08	N/A	0.15	0.06	0.04 - 0.27
Perceptual Ability	3915	18	0.10	0.12	0.14	0.12	0.09	-0.05 - 0.29
Pre-Dental Science GPA*	2884	11	0.20	0.12	0.24	0.23	0.09	0.06 - 0.39
Pre-Dental GPA*	2735	10	0.21	0.12	0.25	0.25	0.04	0.17 - 0.34
All DAT Scores*†	2765	11	0.26	0.08	N/A	0.28	0.06	0.16 - 0.40
All Predictors*†	2168	9	0.34	0.11	0.37	0.38	0.03	0.31 - 0.44
Grade Point Average								
Academic Average	7046	34	0.31	0.09	0.47	0.47	0.04	0.38 - 0.55
Total Science	6843	33	0.28	0.10	0.44	0.45	0.07	0.31 - 0.58
Quantitative Reasoning	7388	36	0.19	0.08	N/A	0.26	0.05	0.16 - 0.35
Reading Comprehension	6703	33	0.17	0.09	0.21	0.22	0.04	0.15 - 0.29
Biology	7103	35	0.23	0.09	0.34	0.33	0.06	0.22 - 0.45
General Chemistry	6715	33	0.23	0.10	0.32	0.33	0.03	0.27 - 0.38
Organic Chemistry	7106	34	0.21	0.10	0.31	0.31	0.06	0.19 - 0.43
Perceptual Ability	6970	35	0.18	0.09	0.24	0.25	0.07	0.12 - 0.39
Pre-Dental Science GPA*	5327	21	0.33	0.09	0.40	0.39	0.06	0.27 - 0.51
Pre-Dental GPA*	5141	21	0.33	0.08	0.40	0.38	0.04	0.30 - 0.45
All DAT Scores*†	4216	18	0.35	0.09	0.38	0.35	0.06	0.25 - 0.46
All Predictors*†	4608	19	0.45	0.08	0.49	0.49	0.05	0.38 - 0.59

Note. 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; * Not corrected for range restriction. † Multiple R

Table 2B presents the results of the meta-analysis involving second-year dental school grades and various predictors. These predictors represent either undergraduate GPAs (pre-dental GPA and science GPA) or DAT scores (two composite scores: academic average and total science; and six individual DAT scores: quantitative reasoning, reading comprehension, biology, general chemistry, organic chemistry, and perceptual ability) or a combination of both such as all DAT scores and the full set of all predictors. The results are summarized below.

All predictors ($\rho=0.46$), DAT academic average score ($\rho=0.46$), DAT total science score ($\rho=0.44$), and all DAT scores ($\rho=0.38$) are more strongly related to second-year biomedical grades than the other predictors. Biology score ($\rho=0.35$), pre-dental science GPA ($\rho=0.33$), pre-dental GPA ($\rho=0.32$), general chemistry score ($\rho=0.32$), and organic chemistry score ($\rho=0.30$) appear to be slightly better predictors of second-year biomedical grades than are quantitative reasoning score ($\rho=0.23$) and reading comprehension score ($\rho=0.20$). The perceptual ability score ($\rho=0.16$) had the lowest level of association with second-year biomedical grades.

Correlations with second-year pre-clinical dental technique grades are lower than those obtained for second-year biomedical grades, with the exception of the perceptual ability score, and the pre-dental science GPA and pre-dental GPA. Of the six individual DAT scores, the perceptual ability score ($\rho=0.25$) and biology score ($\rho=0.25$) have the strongest relationship with second-year pre-clinical dental technique grades.

Correlations with second-year clinical science grades are lower than those obtained for first-year pre-clinical dental technique grades. All predictors ($\rho=0.38$), all DAT scores ($\rho=0.28$), DAT academic average score ($\rho=0.25$), pre-dental GPA ($\rho=0.25$), pre-dental science GPA ($\rho=0.23$), and DAT total science score ($\rho=0.22$) showed stronger relationships with second-year clinical science grades than the six individual DAT scores.

All predictors ($\rho=0.49$), DAT academic average score ($\rho=0.47$), and DAT total science score ($\rho=0.45$) are the strongest predictors of second-year grade point average. Among the remaining predictors, pre-dental science GPA ($\rho=0.39$), pre-dental GPA ($\rho=0.38$), all DAT scores ($\rho=0.35$) biology score ($\rho=0.33$), general chemistry score ($\rho=0.33$), and organic chemistry score ($\rho=0.31$) appear to be more strongly related to second-year grade point average than quantitative reasoning score ($\rho=0.26$), perceptual ability score ($\rho=0.25$), and reading comprehension score ($\rho=0.22$).

It should be noted that because the distributions of pre-dental GPA, pre-dental science GPA, all DAT scores, and all predictors for all the applicants are unknown, it is not possible to correct for range restriction for these predictors. Therefore, ρ values for these predictors are very likely to be even higher than the values that are currently being reported. Also, the 95% credibility interval for most corrected correlation coefficients does not include zero, which suggests that the predictors are in fact related to dental school performance. Some exceptions include those for the corrected correlation coefficients between reading comprehension, biology, and perceptual ability with second-year clinical science GPA. There are two possible reasons that could contribute to these results. First, the reported second-year clinical science grades do not have as much variation as other second-year course grades. A total of 22 schools reported the second-year clinical science grades. However, two schools reported a perfect GPA of 4.0 for all the students and were excluded from analysis because no correlation coefficients could be

calculated for variables without variation. Of the remaining 20 schools reporting second-year clinical science grades, 38% to 49% of the students got a perfect GPA of 4.0 in two schools and 50% to 98% of the students got a perfect GPA of 4.0 in five schools, which limits the magnitude of the correlation coefficients for these schools. Thus, the corrected correlation coefficients between the predictors and the second-year clinical science grades are the lowest among the second-year course grades. Second, the corrected correlation coefficients were calculated based on a smaller sample size because fewer schools reported second-year clinical science grades compared to the first-year biomedical and pre-clinical dental technique grades. This smaller sample size resulted in wider credibility intervals.

Limitations

The data in this report are based on a sample consisting of students from 43 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.

Although the corrected validity coefficients account for range restriction in the DAT scores, it should be noted that other predictors (i.e., pre-dental GPA and pre-dental science GPA) and criteria (i.e., biomedical grades, preclinical dental technique grades, clinical science grades, and grade point average) also likely suffer from range restriction. In other words, since higher DAT scores and higher undergraduate GPAs are associated with higher first- and second-year grades, dental student samples (which consist of these higher scoring individuals) would likely contain fewer students with poor dental grades than it would had this predictor not been utilized in admission decisions. Range restriction reduces the magnitude of obtained correlation coefficients. The net impact of these statistical artifacts is that reported correlations likely underestimate the true magnitude of the relationship between the predictors and true dental school performance. In short, the true correlation between DAT scores and dental school performance is likely to be even larger than the values that are currently being reported.

Conclusions

This study found that DAT scores and undergraduate 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.

References

- Hunter, J.E., & Schmidt, F.L. (1990). *Methods of meta-analysis: Correcting error and bias in research findings*. Newbury Park, CA: Sage.
- Huffcutt, A.I., & Arthur, W., Jr. (1995). Development of a new outlier statistic for meta-analytic data. *Journal of Applied Psychology, 80*, 327–334.

Appendix 1. Pearson Product-Moment Correlation Coefficients and Multiple Correlations between First-Year and Second-Year Dental School Grades and Predictors (Undergraduate GPAs and DAT Scores)

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

- 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) undergraduate 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) undergraduate GPAs and DAT scores.
- Coefficients which are significant at the 0.05 level are flagged with an asterisk and displayed in bold face. At the .05 level, there is a 95% probability that the obtained results are not attributable to chance.
- 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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.26*	0.26*	0.25*	0.24*	0.18*	0.12*	0.20*	0.18*	0.20*	0.20*
D23	0.26*	0.29*	0.33*	0.33*	0.18*	0.17*	0.30*	0.23*	0.23*	0.19*
D44	0.32*	0.41*	0.43*	0.41*	0.29*	0.15*	0.36*	0.37*	0.30*	0.08
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.51*	0.48*	0.45*	0.47*	0.26*	0.30*	0.40*	0.27*	0.43*	0.28*
D67	0.22*	0.15	0.39*	0.40*	0.25*	0.16	0.34*	0.37*	0.33*	0.16*
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*	0.45*	0.38*	0.40*	0.20*	0.14*	0.38*	0.28*	0.32*	0.14*
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	0.19*	0.14	0.28*	0.27*	0.22*	0.03	0.21*	0.22*	0.18*	0.02
D92	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D72	0.29*	0.26*	0.52*	0.50*	0.37*	0.28*	0.38*	0.37*	0.46*	0.39*
D02	0.28*	0.34*	0.50*	0.51*	0.33*	0.29*	0.50*	0.45*	0.34*	0.37*
D76	0.17*	0.20*	0.13	0.10	0.14	0.03	0.10	0.03	0.11	0.01
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	0.38*	0.41*	0.49*	0.52*	0.24*	0.18*	0.46*	0.38*	0.46*	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	0.41*	0.40*	0.33*	0.37*	0.08	0.17*	0.33*	0.24*	0.33*	0.12*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.27*	0.29*	0.29*	0.29*	0.13	0.17*	0.21*	0.24*	0.28*	0.10
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	0.36*	0.36*	0.46*	0.46*	0.35*	0.21*	0.41*	0.34*	0.42*	0.27*
D22	0.48*	0.52*	0.29*	0.37*	0.04	-0.12	0.33*	0.27*	0.38*	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	0.16	0.21*	0.37*	0.39*	0.16*	0.17*	0.32*	0.31*	0.34*	0.17*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.24*	0.26*	0.34*	0.34*	0.22*	0.15*	0.28*	0.22*	0.30*	0.10*
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	0.33*	0.38*	0.34*	0.31*	0.20*	0.22*	0.27*	0.19*	0.25*	0.08
D93	0.33*	0.35*	0.27*	0.29*	0.11	0.12	0.28*	0.23*	0.17*	0.17*
D41	0.30*	0.30*	0.42*	0.42*	0.26*	0.11*	0.36*	0.34*	0.33*	0.24*
D38	0.37*	0.34*	0.49*	0.45*	0.30*	0.37*	0.40*	0.35*	0.32*	0.16
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.32*	0.34*	0.31*	0.27*	0.16	0.26*	0.31*	0.16	0.22	0.21
D65	0.30*	0.33*	0.41*	0.46*	0.22*	0.09	0.37*	0.32*	0.38*	0.29*
D87	0.41*	0.47*	0.38*	0.39*	0.17	0.21*	0.33*	0.30*	0.28*	0.04
D26	0.42*	0.45*	0.42*	0.39*	0.28*	0.24*	0.29*	0.34*	0.33*	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	0.36*	0.37*	0.37*	0.38*	0.17*	0.24*	0.31*	0.22*	0.31*	0.16*
D84	0.32*	0.31*	0.50*	0.41*	0.40*	0.26*	0.35*	0.21*	0.41*	0.30*
D36	0.51*	0.51*	0.29*	0.29*	0.14	0.39*	0.31*	0.12	0.06	0.14
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.19*	0.21*	0.36*	0.33*	0.19*	0.24*	0.32*	0.27*	0.21*	0.22*
D33	0.30*	0.30*	0.15*	0.19*	0.08	0.05	0.16*	0.11	0.15*	0.12*
D62	0.37*	0.35*	0.46*	0.48*	0.30*	0.24*	0.47*	0.39*	0.34*	0.28*
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	0.42*	0.44*	0.41*	0.45*	0.24*	0.07	0.42*	0.38*	0.32*	0.22*
D08	0.13	0.16	0.26*	0.19	0.11	0.27*	0.24*	0.06	0.19	0.26*
D32	0.57*	0.61*	0.42*	0.46*	0.22	0.25	0.57*	0.29*	0.19	0.05
D15	0.24*	0.23*	0.30*	0.30*	0.17*	0.11	0.27*	0.26*	0.27*	0.05
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	36	36	36	36	36	36	36	36	36	36
# of Significant Correlations	34	33	34	34	24	25	35	30	30	24
Percent Significant	94%	92%	94%	94%	67%	69%	97%	83%	83%	67%
Median Correlation	0.32	0.34	0.37	0.39	0.20	0.17	0.33	0.27	0.31	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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.08	0.07	0.14*	0.09	0.12*	0.12*	0.08	0.07	0.06	0.08
D23	0.30*	0.32*	0.23*	0.20*	0.12*	0.15*	0.18*	0.15*	0.15*	0.17*
D44	0.32*	0.36*	0.32*	0.23*	0.27*	0.18*	0.18*	0.26*	0.17*	0.24*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.31*	0.34*	0.23*	0.23*	0.12	0.14*	0.13*	0.20*	0.22*	0.38*
D67	0.23*	0.25*	0.26*	0.24*	0.26*	0.18*	0.28*	0.11	0.19*	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	0.47*	0.43*	0.26*	0.23*	0.22*	0.11	0.23*	0.16*	0.19*	0.22*
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	0.08	0.06	0.08	0.14	0.03	-0.06	0.17*	0.12	0.06	0.06
D92	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D72	0.14	0.13	0.37*	0.34*	0.29*	0.20*	0.22*	0.20	0.38*	0.39*
D02	0.34*	0.39*	0.41*	0.40*	0.34*	0.16	0.38*	0.37*	0.28*	0.41*
D76	0.04	0.03	0.23*	0.18*	0.19*	0.03	0.12	0.21*	0.11	0.14
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	0.29*	0.30*	0.29*	0.30*	0.20*	0.13*	0.26*	0.22*	0.23*	0.28*
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*	0.27*	0.19*	0.18*	0.11	0.13*	0.18*	0.08	0.20*	0.21*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.24*	0.27*	0.27*	0.23*	0.16	0.21*	0.14	0.20*	0.24*	0.27*
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	0.32*	0.37*	0.18	0.22*	0.16	-0.21	0.16	0.21	0.22*	0.39*
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	0.05	0.04	0.17*	0.14	0.08	0.09	0.13	0.10	0.19*	0.25*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.22*	0.23*	0.18*	0.14*	0.15*	0.07	0.10*	0.11*	0.23*	0.17*
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	0.33*	0.36*	0.23*	0.20*	0.18*	0.17*	0.18*	0.14*	0.16*	0.18*
D93	0.36*	0.38*	0.21*	0.20*	0.13	0.08	0.17*	0.14*	0.16*	0.20*
D41	0.29*	0.30*	0.36*	0.35*	0.27*	0.04	0.29*	0.29*	0.28*	0.32*
D38	0.22*	0.17	0.48*	0.37*	0.41*	0.46*	0.33*	0.24*	0.26*	0.39*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.34*	0.30*	0.19	0.02	0.25*	0.30*	0.04	0.04	0.02	0.19
D65	0.31*	0.34*	0.35*	0.34*	0.20*	0.18*	0.29*	0.18*	0.32*	0.33*
D87	0.30*	0.30*	0.14	0.11	0.04	0.27*	0.17	0.00	0.01	-0.10
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	0.13*	0.14*	0.11*	0.19*	0.03	-0.02	0.21*	0.09	0.11*	0.35*
D84	0.17	0.18*	0.45*	0.40*	0.38*	0.16	0.31*	0.34*	0.35*	0.25*
D36	0.32*	0.37*	0.03	0.07	-0.07	0.23	0.12	0.05	-0.08	0.11
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.17*	0.21*	0.24*	0.21*	0.17*	0.16*	0.24*	0.17*	0.13*	0.27*
D33	0.25*	0.28*	0.10	0.10	0.11	0.08	0.09	0.04	0.09	0.18*
D62	0.25*	0.23*	0.28*	0.28*	0.21*	0.15*	0.27*	0.23*	0.21*	0.25*
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	0.21*	0.23*	0.19*	0.21*	0.05	0.15	0.14	0.22*	0.14	-0.02
D08	0.26*	0.24*	0.23*	0.15	0.03	0.22*	0.26*	0.12	0.13	0.27*
D32	0.54*	0.55*	0.45*	0.44*	0.24	0.26	0.47*	0.31*	0.29*	0.11
D15	0.21*	0.21*	0.10	0.04	0.12	0.06	0.09	0.01	0.08	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	34	34	34	34	34	34	34	34	34	34
# of Significant Correlations	28	28	26	24	18	18	23	19	23	25
Percent Significant	82%	82%	76%	71%	53%	53%	68%	56%	68%	74%
Median Correlation	0.26	0.27	0.23	0.21	0.16	0.15	0.18	0.16	0.18	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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.24*	0.25*	0.23*	0.21*	0.17*	0.14*	0.19*	0.15*	0.15*	0.22*
D23	0.28*	0.31*	0.32*	0.30*	0.30*	0.18*	0.29*	0.22*	0.21*	0.20*
D44	0.34*	0.42*	0.42*	0.39*	0.30*	0.17*	0.32*	0.36*	0.28*	0.14*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.43*	0.44*	0.43*	0.46*	0.25*	0.24*	0.33*	0.30*	0.41*	0.32*
D67	0.18*	0.27*	0.36*	0.34*	0.29*	0.16*	0.24*	0.33*	0.28*	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	0.50*	0.47*	0.30*	0.30*	0.18*	0.11	0.29*	0.20*	0.26*	0.17*
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*	0.24*	0.34*	0.35*	0.16	0.04	0.29*	0.32*	0.26*	0.07
D92	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D72	0.28*	0.26*	0.51*	0.47*	0.40*	0.28*	0.34*	0.34*	0.45*	0.44*
D02	0.31*	0.36*	0.50*	0.51*	0.35*	0.28*	0.50*	0.45*	0.34*	0.40*
D76	0.18*	0.20*	0.19*	0.15	0.17*	0.04	0.08	0.11	0.14	0.07
D88	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.26*	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	0.40*	0.42*	0.47*	0.50*	0.26*	0.18*	0.43*	0.37*	0.43*	0.35*
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	0.34*	0.34*	0.32*	0.35*	0.08	0.20*	0.31*	0.21*	0.34*	0.16*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.28*	0.30*	0.30*	0.30*	0.15	0.19*	0.21*	0.25*	0.29*	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	0.38*	0.38*	0.47*	0.46*	0.36*	0.23*	0.41*	0.35*	0.41*	0.27*
D22	0.49*	0.54*	0.26*	0.33*	0.06	-0.16	0.29*	0.25*	0.34*	0.29*
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	0.16*	0.20*	0.36*	0.36*	0.17*	0.17*	0.31*	0.28*	0.31*	0.19*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.28*	0.30*	0.30*	0.28*	0.20*	0.13*	0.23*	0.23*	0.28*	0.14*
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	0.35*	0.39*	0.33*	0.30*	0.20*	0.23*	0.25*	0.20*	0.25*	0.13
D93	0.36*	0.38*	0.28*	0.30*	0.13	0.28*	0.23*	0.23*	0.18*	0.20*
D41	0.31*	0.31*	0.41*	0.41*	0.28*	0.09	0.35*	0.33*	0.32*	0.30*
D38	0.36*	0.33*	0.53*	0.46*	0.36*	0.44*	0.41*	0.36*	0.31*	0.23*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.40*	0.36*	0.27	0.09	0.29	0.35*	0.15	0.08	0.05	0.29
D65	0.34*	0.36*	0.43*	0.46*	0.24*	0.14*	0.37*	0.30*	0.39*	0.32*
D87	0.42*	0.47*	0.37*	0.38*	0.17	0.21*	0.32*	0.28*	0.26*	0.03
D26	0.44*	0.48*	0.37*	0.35*	0.26*	0.20*	0.26*	0.31*	0.30*	0.30*
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	0.32*	0.33*	0.32*	0.36*	0.14*	0.17*	0.31*	0.20*	0.27*	0.27*
D84	0.32*	0.31*	0.50*	0.41*	0.40*	0.26*	0.36*	0.22*	0.41*	0.29*
D36	0.50*	0.51*	0.24*	0.25*	0.09	0.38*	0.28*	0.11	0.03	0.14
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.21*	0.23*	0.37*	0.35*	0.21*	0.25*	0.35*	0.28*	0.22*	0.26*
D33	0.30*	0.32*	0.14*	0.18*	0.09	0.06	0.15*	0.09	0.14*	0.14*
D62	0.36*	0.34*	0.44*	0.45*	0.30*	0.24*	0.44*	0.37*	0.32*	0.28*
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	0.29*	0.31*	0.34*	0.35*	0.18*	0.17*	0.25*	0.33*	0.26*	0.20*
D08	0.15	0.16	0.27*	0.18	0.11	0.28*	0.26*	0.09	0.17	0.32*
D32	0.58*	0.61*	0.44*	0.47*	0.24	0.26	0.56*	0.30*	0.23	0.07
D15	0.23*	0.23*	0.25*	0.23*	0.19*	0.10	0.23*	0.20*	0.21*	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	36	36	36	36	36	36	36	36	36	36
# of Significant Correlations	35	35	34	33	24	27	34	30	30	26
Percent Significant	97%	97%	94%	92%	67%	75%	94%	83%	83%	72%
Median Correlation	0.32	0.33	0.34	0.35	0.20	0.19	0.29	0.27	0.28	0.21

* 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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.19*	0.17*	0.21*	0.17*	0.18*	0.14*	0.15*	0.14*	0.10	0.19*
D23	0.15*	0.15*	0.12*	0.09	0.09	0.09	0.11*	0.07	0.06	0.05
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	0.50*	0.49*	0.36*	0.33*	0.26*	0.19*	0.32*	0.22*	0.24*	0.23*
D81	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	0.36*	0.39*	0.06	0.11	-0.10	-0.06	0.11	0.06	0.14	-0.04
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	0.06	0.12	-0.11	-0.09	-0.07	-0.15	-0.02	-0.10	-0.07	-0.05
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	0.25*	0.25*	0.26*	0.30*	0.08	0.13*	0.27*	0.16*	0.23*	0.13*
D87	0.28*	0.30*	0.05	0.02	0.05	0.09	0.06	0.07	-0.13	0.03
D26	0.42*	0.45*	0.26*	0.25*	0.21*	0.10	0.17*	0.23*	0.22*	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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D84	0.36*	0.34*	0.27*	0.20*	0.22*	0.16	0.20*	0.06	0.25*	0.08
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	0.01	0.01	0.23*	0.15	0.12	0.19	0.17	0.15	0.09	0.28*
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	10	10	10	10	10	10	10	10	10	10
# of Significant Correlations	8	8	7	5	4	3	6	4	4	5
Percent Significant	80%	80%	70%	50%	40%	30%	60%	40%	40%	50%
Median Correlation	0.27	0.28	0.22	0.16	0.11	0.12	0.16	0.11	0.12	0.11

* 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*	0.13*	0.30*	0.31*	0.36*
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	0.12*	0.16*	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	0.07*	0.08*	0.10*	0.10*	0.16*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.06*	0.05*	0.12*	0.13*	0.16*
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	0.23*	0.27*	0.24*	0.26*	0.40*
D23	0.07*	0.08*	0.12*	0.13*	0.17*
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	0.33*	0.37*	0.41*	0.41*	0.54*
D33	0.09*	0.09*	0.03	0.04	0.12*
D36	0.25*	0.25*	0.18*	0.18	0.33*
D38	0.14*	0.11*	0.26*	0.26*	0.31*
D39	0.17*	0.20*	0.22*	0.23*	0.30*
D41	0.09*	0.09*	0.20*	0.20*	0.23*
D43	0.07*	0.07*	0.07*	0.08*	0.11*
D44	0.11*	0.17*	0.20*	0.22*	0.34*
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	0.11*	0.15*	0.13*	0.14*	0.23*
D57	0.06*	0.06*	0.14*	0.14*	0.19*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.14*	0.12*	0.26*	0.26*	0.28*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.09*	0.11*	0.21*	0.23*	0.29*
D67	0.05*	0.02	0.19*	0.21*	0.25*
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*	0.17*	0.15*	0.16*	0.26*
D72	0.09*	0.07*	0.29*	0.29*	0.32*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.03*	0.04*	0.04	0.04	0.06
D77	0.02	0.04*	0.17*	0.17*	0.19*
D78	N/Av	N/Av	N/Av	N/Av	N/Av
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.13*	0.14*	0.17*	0.18*	0.24*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	0.10*	0.10*	0.27*	0.28*	0.32*
D86	0.03*	0.02	0.10*	0.11*	0.13*
D87	0.17*	0.22*	0.17*	0.18*	0.34*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.06*	0.04*	0.11*	0.11*	0.20*
D90	0.15*	0.17*	0.30*	0.30*	0.33*
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*	0.12*	0.10*	0.11*	0.20*
D94	0.23*	0.20*	0.18*	0.18*	0.32*
D95	0.11*	0.11*	0.24	0.24	0.28
D96	0.26*	0.23*	0.26*	0.27*	0.38*
D97	0.03*	0.04*	0.14*	0.14*	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	34	34	34	34	34
# of Significant Correlations	32	31	31	30	32
Percent Significant	94%	91%	91%	88%	94%
Median R-Square	0.10	0.11	0.18	0.18	0.26

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	0.11*	0.15*	0.19*	0.23*	0.28*
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	0.07*	0.06*	0.12*	0.18*	0.22*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.06*	0.07*	0.09*	0.13*	0.18*
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*	0.05*	0.02	0.03	0.07
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*	0.14*	0.17*	0.24*	0.32*
D23	0.08*	0.10*	0.06*	0.07*	0.13*
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	0.29*	0.30*	0.26*	0.26*	0.38*
D33	0.06*	0.08*	0.02	0.04*	0.12*
D36	0.08*	0.12*	0.09	0.09	0.19
D38	0.05*	0.03	0.28*	0.34*	0.34*
D39	0.04*	0.05*	0.07	0.07	0.11*
D41	0.08*	0.09*	0.15*	0.18*	0.21*
D43	0.01	0.00	0.02	0.02	0.03
D44	0.11*	0.13*	0.11*	0.12*	0.20*
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	0.11*	0.13*	0.06*	0.07*	0.18*
D57	0.05*	0.06*	0.06*	0.07*	0.11*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.06*	0.05*	0.09*	0.10*	0.12*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.10*	0.12*	0.16*	0.20*	0.27*
D67	0.05*	0.06*	0.13*	0.16*	0.18*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.07*	0.08*	0.06*	0.07*	0.12*
D72	0.02	0.02	0.19*	0.21*	0.22*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.00	0.00	0.06	0.07	0.07
D77	0.00	0.00	0.04	0.09*	0.09
D78	N/Av	N/Av	N/Av	N/Av	N/Av
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.02*	0.02*	0.05*	0.15*	0.16*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	0.03	0.03*	0.21*	0.22*	0.22*
D86	0.01	0.00	0.04	0.04	0.04
D87	0.09*	0.09*	0.09	0.11	0.19*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.08*	0.06*	0.08*	0.11*	0.21*
D90	0.08*	0.09*	0.09*	0.12*	0.15*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.13*	0.15*	0.05	0.07*	0.19*
D94	0.22*	0.19*	0.09*	0.10*	0.26*
D95	0.11*	0.07	0.20	0.22	0.23
D96	0.12*	0.11*	0.13*	0.23*	0.30*
D97	0.03*	0.04*	0.07*	0.10*	0.12*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	34	34	34	34	34
# of Significant Correlations	28	27	23	26	27
Percent Significant	82%	79%	68%	76%	79%
Median R-Square	0.07	0.07	0.09	0.11	0.19

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	0.11*	0.14*	0.29*	0.31*	0.36*
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	0.02	0.13*	0.20*	0.21*
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.08*	0.09*	0.11*	0.11*	0.17*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.06*	0.05*	0.07*	0.07*	0.11*
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	0.24*	0.29*	0.22*	0.24*	0.41*
D23	0.08*	0.09*	0.12*	0.12*	0.17*
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	0.34*	0.38*	0.38*	0.38*	0.52*
D33	0.09*	0.10*	0.03	0.04	0.12*
D36	0.23*	0.24*	0.16	0.16	0.31*
D38	0.13*	0.11*	0.31*	0.32*	0.35*
D39	0.08*	0.10*	0.13*	0.14*	0.18*
D41	0.09*	0.10*	0.19*	0.20*	0.24*
D43	0.06*	0.06*	0.06*	0.07*	0.11*
D44	0.12*	0.18*	0.19*	0.19*	0.31*
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	0.12*	0.16*	0.12*	0.13*	0.23*
D57	0.08*	0.09*	0.12*	0.12*	0.18*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.13*	0.11*	0.23*	0.23*	0.26*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.11*	0.13*	0.22*	0.24*	0.31*
D67	0.03*	0.07*	0.14*	0.15*	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	0.13*	0.12*	0.16*	0.16*	0.22*
D72	0.08*	0.07*	0.29*	0.29*	0.32*
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.03*	0.04*	0.05	0.05	0.07
D77	0.03*	0.04*	0.14*	0.15*	0.17*
D78	N/Av	N/Av	N/Av	N/Av	N/Av
D81	N/Av	N/Av	N/Av	N/Av	N/Av
D82	0.10*	0.11*	0.14*	0.17*	0.22*
D83	N/Av	N/Av	N/Av	N/Av	N/Av
D84	0.10*	0.09*	0.26*	0.27*	0.31*
D86	0.08*	0.06*	0.16*	0.17*	0.20*
D87	0.17*	0.22*	0.15*	0.17*	0.33*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	0.07*	0.05*	0.12*	0.12*	0.22*
D90	0.16*	0.18*	0.26*	0.28*	0.32*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.13*	0.14*	0.10*	0.11*	0.22*
D94	0.25*	0.22*	0.11*	0.11*	0.29*
D95	0.16*	0.13*	0.19	0.22	0.27
D96	0.27*	0.24*	0.25*	0.27*	0.39*
D97	0.04*	0.05*	0.16*	0.16*	0.18*
D98	N/Av	N/Av	N/Av	N/Av	N/Av
D99	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	34	34	34	34	34
# of Significant Correlations	33	33	30	30	32
Percent Significant	97%	97%	88%	88%	94%
Median R-Square	0.10	0.11	0.16	0.17	0.23

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	0.00	0.00	0.06	0.11	0.11
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	0.13*	0.15*	0.05	0.06	0.19*
D23	0.02*	0.02*	0.02	0.02	0.04
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	0.03*	0.03*	0.05*	0.06*	0.07*
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	0.00	0.01	0.03	0.03	0.08
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	0.06*	0.06*	0.10*	0.10*	0.15*
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	N/Av	N/Av	N/Av	N/Av	N/Av
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	0.13*	0.12*	0.10*	0.10*	0.19*
D86	N/Av	N/Av	N/Av	N/Av	N/Av
D87	0.08*	0.09*	0.06	0.06	0.21*
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	0.25*	0.24*	0.15*	0.15*	0.31*
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	7	7	4	4	6
Percent Significant	78%	78%	44%	44%	67%
Median R-Square	0.06	0.06	0.06	0.06	0.15

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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.34*	0.32*	0.21*	0.22*	0.13*	0.12*	0.21*	0.16*	0.15*	0.13*
D23	0.23*	0.25*	0.18*	0.19*	0.09	0.04	0.12*	0.21*	0.12*	0.06
D44	0.19*	0.27*	0.31*	0.30*	0.22*	0.16*	0.28*	0.23*	0.21*	-0.01
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	0.32*	0.32*	0.17	0.16	0.23*	0.26*	0.29*	0.21*
D67	0.12	0.14	0.27*	0.22*	0.18*	0.19*	0.24*	0.22*	0.13	0.11
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	0.49*	0.45*	0.32*	0.31*	0.16*	0.23*	0.28*	0.24*	0.21*	0.15*
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	0.21	0.17	0.36*	0.33*	0.15	0.14	0.25*	0.27*	0.26*	0.01
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	0.40*	0.35*	0.27*	0.25*	0.27*	0.37*	0.25*	0.32*
D02	N/Av	N/Av	0.31*	0.27*	0.21*	0.27*	0.30*	0.20*	0.12	0.21*
D76	0.25	0.19	-0.09	-0.07	-0.01	-0.10	-0.07	-0.04	-0.05	-0.08
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	0.30*	0.34*	0.36*	0.39*	0.20*	0.13*	0.31*	0.29*	0.32*	0.18*
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	0.20*	0.18*	0.14*	0.13*	0.08	0.10	0.12	0.07	0.11	0.03
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.23*	0.24*	0.28*	0.21*	0.22*	0.22*	0.14	0.16	0.23*	0.08
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	0.42*	0.37*	0.28*	0.37*	0.31*	0.37*	0.26*	0.28*
D22	N/Av	N/Av	0.35*	0.43*	0.12	0.02	0.35*	0.37*	0.29*	0.12
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	0.08	0.09	0.25*	0.36*	0.16*	0.23*	0.36*	0.30*	0.30*	0.16
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.26*	0.27*	0.30*	0.24*	0.20*	0.20*	0.19*	0.24*	0.20*	0.05
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	0.28*	0.23*	0.18*	0.23*	0.20*	0.17*	0.19*	-0.03
D93	0.30*	0.28*	0.29*	0.27*	0.09	0.21*	0.18*	0.22*	0.19*	0.07
D41	0.29*	0.27*	0.40*	0.38*	0.25*	0.19*	0.33*	0.29*	0.29*	0.20*
D38	N/Av	N/Av	0.44*	0.37*	0.28*	0.17	0.30*	0.27*	0.40*	0.15
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.53*	0.49*	0.41*	0.37*	0.30*	0.22*	0.26*	0.30*	0.35*	0.02
D65	0.40*	0.34*	0.31*	0.30*	0.21*	0.16*	0.28*	0.17*	0.24*	0.16*
D87	0.07	-0.04	0.29*	0.25*	0.06	0.30*	0.24*	0.26*	0.12	-0.06
D26	N/Av	N/Av	0.35*	0.34*	0.19*	0.28*	0.22*	0.28*	0.32*	0.18*
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	0.52*	0.54*	0.36*	0.36*	0.13*	0.20*	0.29*	0.22*	0.28*	0.19*
D84	N/Av	N/Av	0.27*	0.29*	0.10	0.01	0.17*	0.25*	0.23*	-0.02
D36	N/Av	N/Av	0.24*	0.34*	0.02	0.01	0.29*	0.31*	0.32*	0.20
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.27*	0.23*	0.41*	0.39*	0.30*	0.29*	0.37*	0.32*	0.30*	0.22*
D33	0.32*	0.35*	0.23*	0.25*	0.11	0.12*	0.22*	0.11	0.15*	0.04
D62	0.28*	0.24*	0.29*	0.20*	0.16*	0.16*	0.23*	0.22*	0.10	0.20*
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	0.34*	0.39*	0.30*	0.32*	0.22*	-0.02	0.22*	0.38*	0.24*	0.00
D08	N/Av	N/Av	0.18	0.26*	0.05	-0.01	0.11	0.29*	0.21*	0.08
D32	N/Av	N/Av	0.25	0.39*	0.07	0.01	0.26	0.19	0.27	-0.11
D15	0.11	0.15*	0.17*	0.10	0.12	0.22*	0.08	0.11	0.07	-0.01
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	23	23	36	36	36	36	36	36	36	36
# of Significant Correlations	17	18	32	33	21	23	29	29	27	13
Percent Significant	74%	78%	89%	92%	58%	64%	81%	81%	75%	36%
Median Correlation	0.27	0.27	0.30	0.30	0.17	0.17	0.24	0.24	0.23	0.12

* 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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.39*	0.36*	0.23*	0.20*	0.17*	0.09	0.17*	0.20*	0.11	0.19*
D23	0.23*	0.28*	0.23*	0.24*	0.16*	-0.01	0.17*	0.21*	0.19*	0.23*
D44	0.22*	0.24*	0.27*	0.20*	0.21*	0.21*	0.18*	0.18*	0.12	0.15*
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.28*	0.35*	0.29*	0.28*	0.23*	0.08	0.17*	0.26*	0.26*	0.33*
D67	0.31*	0.31*	0.34*	0.31*	0.22*	0.26*	0.22*	0.26*	0.28*	0.23*
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	0.39*	0.41*	0.26*	0.18*	0.21*	0.27*	0.17*	0.13*	0.12*	0.22*
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	0.12	0.10	0.07	0.13	-0.03	0.04	0.11	0.08	0.09	0.09
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	0.40*	0.36*	0.26*	0.25*	0.26*	0.35*	0.26*	0.31*
D02	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.19	0.10	0.20*	0.21*	0.14	-0.04	0.25*	0.16	0.12	0.17
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	0.27*	0.27*	0.13*	0.12*	0.11*	0.08	0.03	0.12*	0.13*	0.17*
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	0.26*	0.27*	0.12	0.12*	0.08	0.10	0.15*	0.01	0.08	0.17*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.24*	0.25*	0.35*	0.31*	0.27*	0.20*	0.26*	0.18*	0.31*	0.30*
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	0.10	0.17	-0.07	0.04	0.21	0.09	0.09	0.08
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	0.01	-0.07	0.66*	0.14	0.04	0.20*	0.20*	0.06	0.04	0.17*
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.24*	0.24*	0.28*	0.18*	0.22*	0.19*	0.13*	0.20*	0.18*	0.08
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	0.31*	0.22*	0.21*	0.16*	0.11	0.27*	0.24*	0.18*
D93	0.42*	0.41*	0.30*	0.19*	0.16*	0.27*	0.08	0.19*	0.14*	0.21*
D41	0.26*	0.26*	0.38*	0.32*	0.27*	0.17*	0.26*	0.28*	0.23*	0.31*
D38	N/Av	N/Av	0.36*	0.29*	0.21*	0.16	0.20*	0.30*	0.31*	0.22*
D09	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D95	0.44*	0.35*	0.37*	0.33*	0.34*	0.21	0.20	0.24*	0.32*	0.25*
D65	0.10	0.09	0.24*	0.26*	0.05	0.15*	0.26*	0.11*	0.23*	0.06
D87	0.40*	0.18	0.21*	0.10	0.05	0.30*	0.11	0.13	0.11	-0.02
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	0.07	0.01	0.17	-0.07	0.04	0.01	0.01	0.23*
D36	N/Av	N/Av	0.29*	0.36*	0.17	-0.08	0.32*	0.23	0.38*	0.36*
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	0.33*	0.32*	0.25*	0.20*	0.27*	0.30*	0.24*	0.38*
D33	0.36*	0.38*	0.16*	0.15*	0.10	0.11	0.14*	0.03	0.08	0.10
D62	0.29*	0.28*	0.27*	0.19*	0.25*	0.21*	0.21*	0.14*	0.14*	0.23*
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	0.31*	0.39*	0.26*	0.29*	0.22*	-0.07	0.15	0.37*	0.31*	0.12
D08	N/Av	N/Av	0.27*	0.27*	0.15	0.09	0.18	0.30*	0.24*	0.19
D32	N/Av	N/Av	-0.05	0.04	-0.07	0.02	-0.01	-0.08	0.01	0.03
D15	0.21*	0.24*	0.19*	0.07	0.26*	0.18*	0.11	0.08	0.02	0.12
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	22	22	32	32	32	32	32	32	32	32
# of Significant Correlations	18	17	26	24	19	15	19	20	19	21
Percent Significant	82%	77%	81%	75%	59%	47%	59%	63%	59%	66%
Median Correlation	0.27	0.27	0.27	0.20	0.17	0.16	0.17	0.18	0.14	0.19

* 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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.36*	0.35*	0.22*	0.20*	0.17*	0.11*	0.19*	0.17*	0.10	0.23*
D23	0.28*	0.32*	0.26*	0.27*	0.14*	0.04	0.20*	0.24*	0.20*	0.14*
D44	0.21*	0.27*	0.33*	0.29*	0.24*	0.19*	0.27*	0.23*	0.19*	0.07
D31	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D96	0.34*	0.45*	0.37*	0.37*	0.25*	0.13	0.22*	0.34*	0.32*	0.25*
D67	0.35*	0.37*	0.28*	0.25*	0.20*	0.22*	0.18*	0.21*	0.23*	0.18*
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*	0.42*	0.28*	0.22*	0.14*	0.28*	0.21*	0.16*	0.16*	0.16*
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*	0.20	0.25*	0.19*	0.12	0.17*	0.15	0.19*	0.10	0.01
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	0.39*	0.35*	0.26*	0.26*	0.27*	0.32*	0.24*	0.33*
D02	N/Av	N/Av	0.38*	0.32*	0.26*	0.28*	0.35*	0.26*	0.16	0.21*
D76	0.31*	0.19	0.18*	0.21*	0.10	-0.01	0.21*	0.19*	0.11	0.11
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	0.41*	0.42*	0.32*	0.34*	0.18*	0.18*	0.27*	0.27*	0.25*	0.22*
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	0.31*	0.31*	0.22*	0.23*	0.15*	0.15*	0.22*	0.10	0.14*	0.15*
D03	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.24*	0.26*	0.34*	0.29*	0.27*	0.21*	0.23*	0.18*	0.30*	0.23*
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	0.51*	0.47*	0.34*	0.40*	0.36*	0.48*	0.32*	0.30*
D22	N/Av	N/Av	0.17	0.25*	-0.04	0.02	0.25*	0.21	0.14	0.08
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	0.25*	0.22	0.31*	0.35*	0.13	0.21*	0.36*	0.27*	0.31*	0.15
D06	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D57	0.25*	0.25*	0.28*	0.19*	0.20*	0.19*	0.13*	0.21*	0.19*	0.04
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	0.33*	0.25*	0.23*	0.21*	0.18*	0.23*	0.24*	0.08
D93	0.42*	0.41*	0.31*	0.21*	0.16*	0.28*	0.09	0.20*	0.16*	0.21*
D41	0.30*	0.29*	0.41*	0.37*	0.28*	0.19*	0.31*	0.31*	0.27*	0.29*
D38	N/Av	N/Av	0.52*	0.45*	0.33*	0.22*	0.35*	0.34*	0.46*	0.23*
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	0.56*	0.59*	0.40*	0.20	0.40*	0.44*	0.62*	0.12
D65	0.41*	0.37*	0.36*	0.41*	0.17*	0.11	0.33*	0.27*	0.34*	0.25*
D87	0.23*	0.05	0.33*	0.26*	0.10	0.32*	0.25*	0.25*	0.19	-0.12
D26	N/Av	N/Av	0.29*	0.28*	0.19*	0.24*	0.14	0.26*	0.23*	0.23*
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	0.45*	0.47*	0.31*	0.32*	0.09	0.15*	0.28*	0.20*	0.24*	0.26*
D84	N/Av	N/Av	0.29*	0.35*	0.10	0.01	0.24*	0.34*	0.20*	0.02
D36	N/Av	N/Av	0.27*	0.34*	0.13	-0.06	0.30*	0.24*	0.37*	0.33*
D20	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D97	0.22*	0.23*	0.43*	0.41*	0.31*	0.30*	0.40*	0.33*	0.28*	0.28*
D33	0.36*	0.38*	0.20*	0.20*	0.12*	0.12*	0.18*	0.06	0.11	0.09
D62	0.29*	0.26*	0.29*	0.20*	0.26*	0.22*	0.21*	0.20*	0.12*	0.20*
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	0.39*	0.46*	0.29*	0.33*	0.22*	-0.07	0.19*	0.40*	0.30*	0.15
D08	N/Av	N/Av	0.26*	0.28*	0.14	0.05	0.14	0.32*	0.25*	0.17
D32	N/Av	N/Av	-0.02	0.10	-0.08	0.02	0.04	-0.02	0.02	-0.01
D15	0.24*	0.26*	0.20*	0.09	0.24*	0.20*	0.11	0.13	0.02	0.09
D07	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
# of Correlations	23	23	36	36	36	36	36	36	36	36
# of Significant Correlations	23	19	33	33	25	24	29	30	26	21
Percent Significant	100%	83%	92%	92%	69%	67%	81%	83%	72%	58%
Median Correlation	0.31	0.31	0.29	0.28	0.18	0.19	0.22	0.24	0.22	0.18

* 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	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D43	0.33*	0.32*	0.20*	0.16*	0.18*	0.11*	0.18*	0.11*	0.07	0.24*
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	-0.02	-0.02	0.05	-0.12	-0.04	-0.01	0.06	0.02
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	0.07	0.03	0.01	0.14	-0.02	-0.15	0.07	0.02	-0.11	-0.05
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*	0.45*	0.27*	0.22*	0.12*	0.27*	0.21*	0.16*	0.17*	0.16*
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	0.21	0.24	0.12	0.01	0.01	0.23*	0.02	-0.02	-0.03	-0.01
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	0.35*	0.31*	0.23*	0.23*	0.35*	0.26*	0.17*	0.19*
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	0.16	0.12	0.14	0.14	0.09	0.09	0.07	0.14	0.15	-0.03
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	-0.03	-0.01	-0.05	-0.06	0.05	-0.08	-0.07	-0.04	-0.06	-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	0.17	0.24	-0.04	0.04	0.25*	0.22	0.10	0.09
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	0.20*	0.20*	0.22*	0.18*	0.14*	0.13*	0.11*	0.22*	0.15*	0.05
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	0.03	0.02	0.03	-0.03	-0.05	-0.03	0.12	0.01
D93	0.31*	0.30*	0.17*	0.12	0.14*	0.13	0.03	0.14*	0.10	0.18*
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	0.23*	0.19*	0.19*	0.19*	0.14*	0.07	0.20*	0.07	0.16*	0.12*
D87	0.10	-0.01	0.29*	0.25*	0.07	0.25*	0.25*	0.24*	0.15	-0.10
D26	N/Av	N/Av	0.21*	0.20*	0.19*	0.14	0.06	0.18*	0.17*	0.23*
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	0.17*	0.18*	0.11*	0.14*	0.01	0.01	0.16*	0.08	0.09	0.32*
D84	N/Av	N/Av	0.23*	0.22*	0.13	-0.03	0.09	0.27*	0.17*	0.09
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	0.22*	0.24*	0.23*	0.19*	0.16	0.20*	0.17*	0.14	0.17*	0.12
D33	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.06	0.05	0.07	0.04	0.01	0.10	-0.01	0.10	0.00	0.02
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	N/Av	N/Av	0.23*	0.24*	0.16	0.02	0.09	0.29*	0.25*	0.21*
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
# of Correlations	13	13	20	20	20	20	20	20	20	20
# of Significant Correlations	7	7	12	11	7	7	9	9	8	8
Percent Significant	54%	54%	60%	55%	35%	35%	45%	45%	40%	40%
Median Correlation	0.20	0.19	0.18	0.17	0.11	0.10	0.09	0.14	0.14	0.09

* 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	N/Av	N/Av	N/Av	N/Av	N/Av
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.05*	0.06*	0.10*	0.10*	0.15*
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	0.02*	0.06	0.06	0.08*
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	0.05*	0.06*	0.05*	0.05*	0.09*
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	0.10*	0.12*	0.06*	0.06*	0.14*
D36	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.11*	0.16*	0.16*	0.18*	0.26*
D41	0.09*	0.07*	0.23*	0.23*	0.25*
D43	0.11*	0.10*	0.06*	0.07*	0.14*
D44	0.04*	0.07*	0.16*	0.18*	0.22*
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	0.06*	0.07*	0.11*	0.11*	0.16*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.08*	0.06*	0.07*	0.07*	0.11*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.16*	0.11*	0.15*	0.15*	0.25*
D67	0.02	0.02	0.12*	0.12*	0.13
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.04*	0.03*	0.02	0.02	0.05
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.06	0.04	0.06	0.07	0.17
D77	0.01	0.01	0.18*	0.18	0.20
D78	N/Av	N/Av	N/Av	N/Av	N/Av
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	0.04	0.03	0.14	0.17*	0.18
D87	0.00	0.00	0.18*	0.29*	0.30*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.09*	0.11*	0.15*	0.15*	0.19*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.09*	0.08*	0.08	0.09	0.18*
D94	0.24*	0.20*	0.12*	0.12*	0.29*
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	20	20	20	20	20
# of Significant Correlations	14	15	15	15	15
Percent Significant	70%	75%	75%	75%	75%
Median R-Square	0.06	0.07	0.12	0.12	0.18

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	N/Av	N/Av	N/Av	N/Av	N/Av
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.06*	0.06*	0.15*	0.17*	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*	0.09*	0.09*	0.12*
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	0.05*	0.08*	0.06*	0.08*	0.13*
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	0.13*	0.14*	0.03	0.04	0.17*
D36	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.09*	0.15*	0.19*	0.19*	0.27*
D41	0.07*	0.07*	0.18*	0.22*	0.22*
D43	0.15*	0.13*	0.06*	0.07*	0.19*
D44	0.05*	0.06*	0.10*	0.10*	0.13*
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	0.05*	0.05*	0.09*	0.09*	0.12*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.08*	0.08*	0.08*	0.09*	0.15*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.01	0.01	0.11*	0.12*	0.12*
D67	0.10*	0.10*	0.12*	0.14*	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	0.07*	0.08*	0.03	0.05*	0.11*
D72	N/Av	N/Av	N/Av	N/Av	N/Av
D75	N/Av	N/Av	N/Av	N/Av	N/Av
D76	0.03	0.01	0.09	0.10	0.17
D77	0.00	0.01	0.05	0.07	0.14
D78	N/Av	N/Av	N/Av	N/Av	N/Av
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	0.01	0.01	0.05	0.07	0.07
D87	0.16*	0.03	0.12*	0.12	0.33*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.07*	0.07*	0.03	0.04*	0.10*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.17*	0.17*	0.05	0.08	0.22*
D94	0.15*	0.17*	0.09*	0.11*	0.23*
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	20	20	20	20	20
# of Significant Correlations	16	15	13	14	17
Percent Significant	80%	75%	65%	70%	85%
Median R-Square	0.07	0.07	0.09	0.09	0.16

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	N/Av	N/Av	N/Av	N/Av	N/Av
D09	N/Av	N/Av	N/Av	N/Av	N/Av
D10	N/Av	N/Av	N/Av	N/Av	N/Av
D11	0.06*	0.07*	0.15*	0.15*	0.19*
D12	N/Av	N/Av	N/Av	N/Av	N/Av
D13	N/Av	N/Av	N/Av	N/Av	N/Av
D15	0.06*	0.07*	0.09*	0.09*	0.12*
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*	0.11*	0.07*	0.08*	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	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	0.13*	0.15*	0.05*	0.05*	0.17*
D36	N/Av	N/Av	N/Av	N/Av	N/Av
D38	N/Av	N/Av	N/Av	N/Av	N/Av
D39	0.15*	0.21*	0.21*	0.21*	0.32*
D41	0.09*	0.08*	0.22*	0.24*	0.25*
D43	0.13*	0.12*	0.06*	0.09*	0.19*
D44	0.04*	0.07*	0.15*	0.16*	0.20*
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	0.06*	0.06*	0.08*	0.08*	0.12*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.09*	0.07*	0.08*	0.08*	0.14*
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.17*	0.14*	0.26*	0.26*	0.34*
D67	0.12*	0.14*	0.14*	0.14*	0.22*
D68	N/Av	N/Av	N/Av	N/Av	N/Av
D70	N/Av	N/Av	N/Av	N/Av	N/Av
D71	0.10*	0.10*	0.06*	0.06*	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	0.09*	0.04	0.03	0.03	0.18
D77	0.06*	0.05	0.21*	0.21*	0.24*
D78	N/Av	N/Av	N/Av	N/Av	N/Av
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*	0.04	0.11	0.11	0.16
D87	0.05*	0.00	0.18*	0.23*	0.30*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.22*	0.24*	0.18*	0.18*	0.30*
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.18*	0.17*	0.05	0.08	0.22*
D94	0.23*	0.18*	0.10*	0.10*	0.28*
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	20	20	20	20	20
# of Significant Correlations	20	16	17	17	18
Percent Significant	100%	80%	85%	85%	90%
Median R-Square	0.09	0.09	0.11	0.11	0.20

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	N/Av	N/Av	N/Av	N/Av	N/Av
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	0.02	0.05	0.05
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	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	0.11*	0.10*	0.05*	0.09*	0.18*
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	0.03*	0.04*	0.07*	0.07*	0.09*
D61	N/Av	N/Av	N/Av	N/Av	N/Av
D62	0.00	0.00	0.02	0.02	0.02
D63	N/Av	N/Av	N/Av	N/Av	N/Av
D65	0.06*	0.03*	0.06*	0.06*	0.12*
D67	0.00	0.00	0.19	0.20	0.22
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	N/Av	N/Av	N/Av	N/Av	N/Av
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	0.04	0.06	0.06	0.06	0.10
D87	0.01	0.00	0.14*	0.17*	0.19*
D88	N/Av	N/Av	N/Av	N/Av	N/Av
D89	N/Av	N/Av	N/Av	N/Av	N/Av
D90	0.04*	0.03	0.04	0.06	0.09
D91	N/Av	N/Av	N/Av	N/Av	N/Av
D92	N/Av	N/Av	N/Av	N/Av	N/Av
D93	0.10*	0.09*	0.01	0.02	0.11
D94	0.23*	0.21*	0.10*	0.11*	0.28*
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	11	11	11	11	11
# of Significant Correlations	6	5	5	5	5
Percent Significant	55%	45%	45%	45%	45%
Median R-Square	0.04	0.03	0.06	0.06	0.11

TESTING SERVICES

ADA American Dental Association®

Dental Admission Test Program
Department of Testing Services
211 East Chicago Avenue
Chicago, Illinois 60611-2637

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