



Tulsa Achieves Fall 2007 and Fall 2008 Cohorts

Evaluation of Student Success

Office of Planning and Institutional Research

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Tulsa Achieves Analysis Executive Summary

The 2007 and 2008 Tulsa Achieves (TA) cohorts have been assessed for student success, and formative and summative results are presented. Both cohorts were compared with first-time freshmen from the same years, who were not eligible for Tulsa Achieves (hereafter referred to as TA07 control group and TA08 control group) as well as with a Fall 2006 first-time freshmen cohort, consisting of students who were direct-from-high-school in Tulsa County and earned at least a 2.0 high school GPA.

Demographics of all five cohorts were comparable. Females comprised between 54% and 58% of all cohorts, and males comprised between 42% and 46%. Minorities represented approximately 30% of the TA cohorts, slightly greater than that of comparison groups. Mean average age was approximately 18.5 years, ranging from ages 16 to 37 in non-TA first-time freshmen cohorts.

The four high schools with the greatest representation for all cohorts were Broken Arrow, Union, Jenks, and Owasso. Charles Page High School placed #5 for the TA07, TA08, and Fall 2006 cohorts, and Sapulpa High School rivaled Owasso High School in the TA control groups.

All Tulsa Achieves students are required to submit a FAFSA, from which parent education level and expected family contribution (EFC) towards college expenses were queried for this analysis. Because non-TA students typically do not submit a FAFSA if they do not believe they are Pell eligible, only the lowest income non-TA students (60% of their cohort) reported income and first generation status. For this reason, these data are not known to be comparable between groups and are only provided for descriptive analysis. Of those students submitting a FAFSA, the percent of the cohorts who were Pell eligible varied from 23.3% to 25.8%.

Mean ACT test scores did not differ significantly between groups and ranged from 19.6 to 19.9, which is above the cut score for college-level course work. Greater variability was present in Accuplacer CPT scores, particularly in mathematics, and was reflected in developmental course enrollment. Success in remediation was defined as earning a “C” or better in a given course. Performance was measured including all semesters since college entry, and if students took a course multiple times, their final grade was used. In general, TA08, TA07, and the Fall 2006 cohort achieved the highest success in remediation.

The TA08 cohort was the first to be required to complete Strategies for Academic Success (SAS) within the freshman year. Results indicate a statistically significant increase in persistence and in College Algebra and Freshman Comp I success rates among students who successfully completed SAS compared to those who did not during the 2008 academic year. Students who

were most at-risk were advised to enroll in College Survival prior to SAS. Enrollments were small and dropout rates were higher among these students. A full analysis of the SAS and College Survival courses for the 2008-09 academic year is available from the Office of Planning and Institutional Research.

A formative assessment of gateway course success revealed that TA08, TA07 and the Fall 2006 cohort were more likely to earn a "C" or better than were the TA07 and TA08 control groups. Gateway courses with the highest success rates were Principles of Chemistry and General Chemistry I. Because these courses had lower enrollments, student self-selection was likely to be a covariate. Gateway courses that resulted in lowest success rates were College Algebra, Humanities I, US History 1492 to Civil War Era, and US History Civil War to Present. Course withdrawals, including W, AW, WN, and Incompletes were defined as non-success, as were grades of D and F. A summative statistical analysis will be conducted on gateway courses after TA07 and TA08 have had three full years to complete college course work and provide a matched data set with the Fall 2006 cohort for these variables.

Significant differences in Fall to Spring persistence and in Fall to Fall persistence resulted between the TA07 and the TA07 control group, and between TA08 and all other groups except TA07 at the 95% confidence level. TA07 and TA08 persisted from Fall to Spring at a rate of 80.1% and 82.2%, respectively, compared to a benchmark rate of 75% (Achieving the Dream data). Further, these two cohorts persisted from Fall to Fall at a rate of 57.1% and 60.8%, respectively, compared to a benchmark of 50%.

With regard to cumulative GPA, significant differences resulted between TA07 and the TA07 control group, and between TA08 and all other groups except TA07 at the 95% confidence level. Although not statistically significant, the Fall 2006 cohort had a mean GPA slightly higher than the TA07 and TA08 control groups, as was its persistence rates. This suggests that differences in college readiness may exist between students from Tulsa County high schools and non-Tulsa County high schools.

Student service hours were collected for Tulsa Achieves via the Volunteer Central Network. During the 2007-08 academic year, a portion of the TA07 service hours were not reported, and students were trained thereafter to ensure proper data collection. Over the last two academic years, TA07 students have reported an aggregated 38,809 hours, and TA08 students have completed an aggregate 26,105 hours in AY 2008-2009. Service hours are not currently available for comparison groups.

Because insufficient time has elapsed to allow for an analysis of 150% graduation/transfer rates as defined by the Oklahoma State Regents of Higher Education, student success defined by graduation and transfer will be included in subsequent reports.

Cohort Definitions

- **Fall 2006:** First-time Freshmen who were directly from high school, lived in Tulsa County (by zip code), and had at least a 2.0 high school GPA
- **TA07 Control:** First-time Freshmen during Fall 2007 who were not TA
- **TA08 Control:** First-time Freshmen during Fall 2008 who were not TA
- **TA07:** Tulsa Achieves 2007 cohort
- **TA08:** Tulsa Achieves 2008 cohort

Note: Percentages may not add up to 100% due to rounding.

Gender

Gender	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Missing	Number	12	0	0	3	1
	Percent	1.3%	.0%	.0%	.2%	.1%
Female	Number	521	437	487	790	817
	Percent	55.8%	54.2%	54.3%	58.2%	55.4%
Male	Number	400	370	410	564	658
	Percent	42.9%	45.8%	45.7%	41.6%	44.6%
Total	Number	933	807	897	1,357	1,476
	Percent	100%	100%	100%	100%	100%

Race

Race	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Missing	Number	12	0	3	4	1
	Percent	1.3%	.0%	.3%	.3%	.1%
ASIAN	Number	20	18	22	28	34
	Percent	2.1%	2.2%	2.5%	2.1%	2.3%

Race	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
BLACK	Number	93	64	90	179	177
	Percent	10.0%	7.9%	10.0%	13.2%	12.0%
HAWAIIAN	Number	1	2	2	1	3
	Percent	.1%	.2%	.2%	.1%	.2%
AMERICAN INDIAN	Number	78	84	72	107	136
	Percent	8.4%	10.4%	8.0%	7.9%	9.2%
LATINO/HISPANIC	Number	28	40	60	79	71
	Percent	3.0%	5.0%	6.7%	5.8%	4.8%
NON-RESIDENT ALIEN	Number	12	12	17	30	27
	Percent	1.3%	1.5%	1.9%	2.2%	1.8%
WHITE	Number	689	587	631	929	1,027
	Percent	73.8%	72.7%	70.3%	68.5%	69.6%
Total	Number	933	807	897	1357	1,476
	Percent	100%	100%	100%	100%	100%

Age

Age	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Mean Average		18.5	18.6	18.6	18.5	18.5
Missing	Number	0	0	0	7	0
	Percent	0%	0%	0%	.5%	0%
19 and Younger	Number	901	777	843	1,307	1,439
	Percent	96.6%	96.3%	94.0%	96.3%	97.5%
20-24	Number	32	28	51	43*	37*
	Percent	3.4%	3.5%	5.7%	3.2%	2.5%
25-29	Number	0	2	1	0	0
	Percent	0%	.2%	.1%	0%	0%
30-39	Number	0	0	2	0	0
	Percent	0%	0%	.2%	0%	0%
40 and Older	Number	0	0	0	0	0
	Percent	0%	0%	0%	0%	0%
Total	Number	933	807	897	1,357	1,476
	Percent	100%	100%	100%	100%	100%

*Maximum age of TA cohort at application was 21 years old.

Ten Most Frequently Attended High Schools

High School	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Union	Number	126	51	74	207	221
	Percent	13.5%	6.3%	8.2%	15.3%	15.0%
Broken Arrow	Number	125	113	139	165	176
	Percent	13.4%	14.0%	15.5%	12.2%	11.9%
Jenks	Number	76	37	45	111	142
	Percent	8.1%	4.6%	5.0%	8.2%	9.6%
Owasso	Number	68	49	59	63	93
	Percent	7.1%	6.1%	6.6%	4.6%	6.3%
Charles Page	Number	52	27	23	89	87
	Percent	5.6%	3.3%	2.6%	6.6%	5.9%
Bixby	Number	36	*	*	62	66
	Percent	3.9%	*	*	4.6%	4.5%
Central	Number	29	*	*	*	*
	Percent	3.1%	*	*	*	*
Edison	Number	27	25	22	55	75
	Percent	2.9%	3.1%	2.5%	4.0%	5.1%
Coweta	Number	25	*	26	*	*
	Percent	2.9%	*	2.9%	*	*
Glenpool	Number	24	*	*	*	*
	Percent	2.6%	*	*	*	*
Sapulpa	Number	*	56	52	*	*
	Percent	*	6.9%	5.8%	*	*
Catoosa	Number	*	23	*	*	*
	Percent	*	2.9%	*	*	*
Home Study	Number	*	19	27	45	*
	Percent	*	2.4%	3.0%	3.3%	*
Memorial	Number	*	19	29	*	54
	Percent	*	2.4%	3.2%	*	3.7%
Booker T. Washington	Number	*	*	*	55	51
	Percent	*	*	*	4.1%	3.5%
Rogers	Number	*	*	*	53	*
	Percent	*	*	*	3.9%	*
East Central	Number	*	*	*	*	58

High School	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
	Percent	*	*	*	*	3.9%
Cumulative Count of Top Ten High Schools	Number in Top Ten HS	588	419	496	905	1,023
	Percent in Top Ten HS	63.1%	51.9%	55.3%	66.7%	69.3%

**Not among ten most frequently attended high schools for this group.*

Expected Family Contribution (from FAFSA)

EFC	Fall 2006	TA07 Control	TA08 Control	TA07*	TA08*
Mean Average	\$10,045	\$10,519	\$11,437	\$14,691	\$17,319
Grouped Median	\$6,062	\$5,844	\$6,000	\$9,485	\$10,997

**Approximately 40% of comparison group students did not submit a FAFSA (students generally do not submit a FAFSA if they know they are not Pell eligible.) All Tulsa Achieves students were required to submit a FAFSA, and EFC is not comparable between these groups.*

Mother's Education Level

Parent's Level of Education*	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
COLLEGE OR BEYOND**	Number	203	146	223	577	681
	Percent	21.8%	18.1%	24.5%	42.5%	46.1%
HIGH SCHOOL	Number	261	270	266	582	630
	Percent	28.0%	33.5%	29.7%	42.9%	42.7%
MIDDLE SCHOOL/ JR. HIGH	Number	27	21	35	58	61
	Percent	2.9%	2.6%	3.9%	4.3%	4.1%
NO RESPONSE or NO FAFSA	Number	411	345	343	57	16
	Percent	44.1%	42.8%	38.2%	4.2%	1.1%
OTHER/ UNKNOWN	Number	31	25	30	83	88
	Percent	3.3%	3.1%	3.3%	6.1%	6.0%
Total	Number	933	807	897	1,357	1,476
	Percent	100%	100%	100%	100%	100%

**Based upon submitted FAFSA information*

*** indicates at least one college course taken by parent*

Father's Education Level

Parent's Level of Education*	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
COLLEGE OR BEYOND**	Number	172	129	191	531	595
	Percent	18.4%	16.0%	21.3%	39.1%	40.3%
HIGH SCHOOL	Number	258	245	287	576	664
	Percent	27.7%	30.4%	32.0%	42.4%	45.0%
MIDDLE SCHOOL/ JR. HIGH	Number	32	29	22	66	72
	Percent	3.4%	3.6%	2.5%	4.9%	4.9%
NO RESPONSE or NO FAFSA	Number	410	349	340	63	18
	Percent	43.9%	43.2%	37.9%	4.6%	1.2%
OTHER/ UNKNOWN	Number	61	55	57	121	127
	Percent	6.5%	6.8%	6.4%	8.9%	8.6%
Total	Number	933	807	897	1,357	1,476
	Percent	100%	100%	100%	100%	100%

**Based upon submitted FAFSA information*

*** indicates at least one college course taken by parent*

Federal Financial Aid

Financial Aid Source	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Average Pell Received	\$324	\$326	\$433	\$333	\$375
Percent of Cohort Pell Eligible	23.8%	23.4%	25.8%	23.9%	23.3%

**Based upon submitted FAFSA information. Pell average is an arithmetic mean.*

Entrance Exam Scores

Test Score	Cut Score	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
ACT	19	19.7	19.6	19.7	19.8	19.9
CPT Arithmetic	Basic Math < 90 AS	59.0	58.8	51.3	56.0	50.9
CPT Algebra	Beg Alg \geq 90 AS Int Alg \geq 90 EA and CLM < 40	70.2	68.6	51.3	66.9	53.9
CPT College Level Math	Elem Algebra \geq 90 AS and CLM \geq 40	38.6	46.4	40.8	38.1	40.8
CPT Reading	Reading I < 66 Reading II < 80	74.5	74.6	70.5	71.0	70.8
CPT Sentence Structure	Writing I < 70 Writing II < 80	83.2	81.2	78.1	79.9	79.2

Developmental Course Enrollment

Developmental Course Enrollment	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
	N	933	807	897	1,357	1,476
Reading I	Number	119	135	163	230	242
	Percent	12.8%	16.7%	18.2%	16.9%	16.4%
Reading II	Number	150	133	132	216	177
	Percent	16.1%	16.5%	14.7%	15.9%	12.0%
Unduplicated Enrollment in Reading I or II	Number	233	234	269	391	376
	Percent	25.0%	29.0%	30.0%	28.8%	25.5%
Writing I	Number	95	98	128	190	171
	Percent	10.2%	12.1%	14.3%	14.0%	11.6%
Writing II	Number	118	127	113	217	181
	Percent	12.6%	15.7%	12.76	16.0%	12.3%
Unduplicated Enrollment in Writing I or II	Number	153	175	203	313	271
	Percent	16.4%	21.7%	22.6%	23.1%	18.4%

Developmental Course Enrollment	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Basic Math	Number	333	340	342	588	551
	Percent	35.7%	42.1%	38.1%	43.3%	37.3%
Beginning Algebra	Number	221	179	120	352	268
	Percent	23.7%	22.2%	13.4%	25.9%	18.2%
Intermediate Algebra	Number	177	95	54	231	107
	Percent	19.0%	11.8%	6.0%	17.0%	7.2%
Basic Math & Beg. Algebra	Number	53	30	54	68	58
	Percent	5.7%	3.7%	6.0%	5.0%	3.9%
Beg. Algebra & Int. Algebra	Number	61	45	41	88	81
	Percent	6.5%	5.6%	4.6%	6.5%	5.5%
Unduplicated Enrollment in Developmental Mathematics	Number	459	433	452	752	696
	Percent	49.2%	53.7%	50.4%	55.4%	47.2%

*Measured since entry semester

Success in Developmental Courses` (Percent with “C” or Better)

Developmental Course	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Reading I	Number	94	87	85	142	146
	Percent	79.0%	64.4%	52.1%	61.7%	60.3%
Reading II	Number	110	85	84	128	121
	Percent	73.3%	63.9%	63.6%	59.3%	68.4%
Writing I	Number	65	54	51	101	108
	Percent	68.4%	55.1%	39.8%	53.2%	63.2%
Writing II	Number	84	81	63	123	121
	Percent	71.2%	63.8%	55.8%	56.7%	66.9%
Basic Math	Number	231	203	181	373	359
	Percent	69.4%	59.7%	52.9%	63.4%	65.2%
Beginning Algebra	Number	144	101	70	194	159
	Percent	65.2%	56.4%	58.3%	55.1%	59.3%
Intermediate Algebra	Number	127	47	22	127	49
	Percent	71.8%	49.5%	40.7%	55.0%	45.8%
Basic Math & Beg. Algebra	Number	33	15	32	44	31
	Percent	62.3%	50.0%	59.3%	64.7%	53.4%
Beg. Algebra & Int. Algebra	Number	32	24	20	55	45
	Percent	52.5%	53.3%	48.8%	62.5%	55.6%

Success in Freshman Comp I and College Algebra ("C" or Better) for Students Completing Writing II and Intermediate Algebra (Last Course in Remedial Series)

Course Enrollment	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Freshman Comp I By Writing II Completers	Number	48/76	39/67	13/29	76/118	38/62
	Percent	63.2%	58.2%	44.8%	66.4%	61.3%
College Algebra by Intermediate Algebra Completers	Number	99/145	42/61	10/20	114/151	33/46
	Percent	68.3%	68.9%	50.0%	75.5%	71.7%

Core Course/Gateway Course Enrollment

Course Enrollment	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
	N	933	807	897	1,357	1,476
Strategies for Academic Success	Number	56	60	111	234	1,288
	Percent	6.0%	7.4%	12.4%	17.2%	87.3%
College Survival	Number	6	4	21	19	38
	Percent	.6%	.5%	2.3%	1.4%	2.6%
Freshman Comp I*	Number	782	612	580	1,067	1,114
	Percent	83.8%	75.8%	64.7%	78.6%	75.5%
College Algebra*	Number	440	269	239	570	560
	Percent	47.2%	33.3%	26.6%	37.9%	38.0%

*Measured since entry semester

Success in All Gateway Courses (Percent with "C" or Better)

Course *	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Strategies for Academic Success	Number	39	41	53	141	969
	Percent	69.6%	68.3%	47.7%	60.3%	75.2%

Course *	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
(ENGL 1003)						
College Survival (ENGL 0963)	Number	5	4	12	16	22
	Percent	83.3%	100%	57.1%	84.2%	57.9%
Freshman Comp I (ENGL 1113)	Number	574	376	356	751	779
	Percent	73.4%	61.4%	61.4%	70.4%	69.9%
College Algebra (MATH 1513)	Number	313	177	125	419	380
	Percent	71.1%	65.8%	52.3%	73.5%	67.9%
Principles of Chemistry (CHEM 1114)	Number	28	15	4	31	9
	Percent	84.8%	75.0%	67.7%	67.4%	90.0%
General Chemistry I (CHEM 1315)	Number	84	38	18	122	84
	Percent	84.0%	80.9%	94.7%	81.9%	90.3%
Biology for Non-majors (BIOL 1114)	Number	166	81	42	198	81
	Percent	75.5%	66.4%	60.0%	81.8%	70.4%
Biology for Majors (BIOL 1224)	Number	134	92	70	210	184
	Percent	63.2%	57.1%	57.4%	64.4%	64.3%
Introduction to Psychology (PSYC 1113)	Number	392	265	217	553	439
	Percent	72.5%	63.7%	66.4%	72.0%	76.0%
Financial Accounting (ACCT 2213)	Number	82	38	12	103	35
	Percent	78.1%	67.9%	60.0%	69.1%	70.0%
Freshman Composition II (ENGL 1213)	Number	401	240	190	572	498
	Percent	69.7%	69.8%	67.9%	72.2%	70.6%
American Federal Government (POLS 1113)	Number	422	285	229	605	477
	Percent	68.0%	63.6%	66.4%	72.3%	69.9%
Introduction to Sociology (SOC 1113)	Number	163	75	32	142	54
	Percent	85.8%	80.6%	72.7%	78.5%	80.6%
Humanities I (HUMN 2113)	Number	285	159	89	361	194
	Percent	74.6%	66.2%	56.0%	74.1%	73.5%
US History 1492 to Civil War (HIST)	Number	138	69	69	157	143
	Percent	55.6%	37.1%	46.3%	51.5%	52.6%

Course *	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
1483)						
US History Civil War to Present (HIST 1493)	Number	346	230	209	481	433
	Percent	60.9%	57.8%	57.7%	62.1%	62.5%
Spanish I (SPAN 1103)	Number	78	29	19	83	33
	Percent	78.0%	74.4%	79.2%	84.7%	70.2%

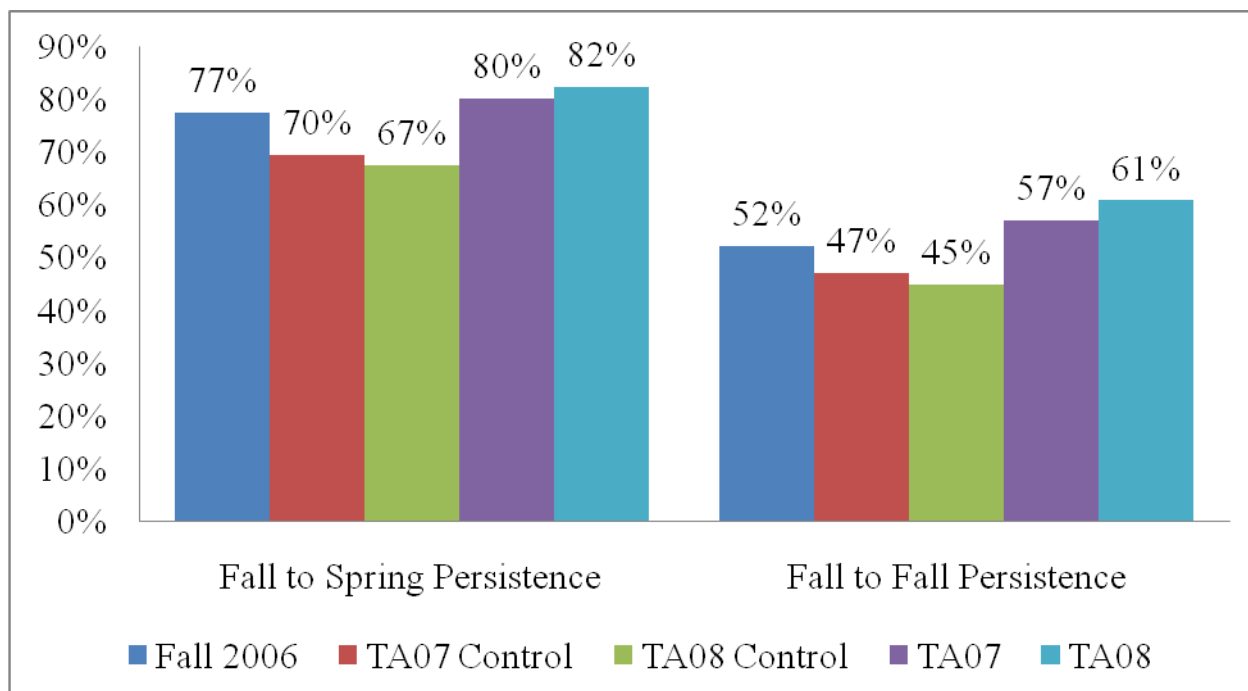
*Includes most recent grade if course re-taken

Persistence

Persistence	Count	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Fall to Spring	Number	722	561	605	1,087	1,214
	Percent	77.4%	69.5%	67.4%	80.1%	82.2%
Fall to Fall	Number	488	379	404	775	897
	Percent	52.3%	47.0%	45.0%	57.1%	60.8%

**Significant differences in Fall to Spring persistence and Fall to Fall persistence exist between TA07 and the TA07 control group, and between TA08 and all other groups except TA07 (95% confidence level).*

Persistence Comparison: Fall to Spring and Fall to Fall



TCC Cum GPA

Age	Fall 2006	TA07 Control	TA08 Control	TA07	TA08
Mean Average	2.45	2.35	2.41	2.49	2.58

**Significant differences in cum GPA exist between TA07 and the TA07 control group, and between TA08 and all other groups except TA07 (95% confidence level).*

Student Service Hours

Academic Year	TA07	TA08
2007-2008	15,943	---
2008-2009	22,866	26,105
Cumulative Service Hours	38,809	26,105

**As reported by students*