



HLC Accreditation 2020-2021

Evidence Document

Academic Affairs

Office of Planning and Analysis

Student End-of-Term Outcomes for Students Involved in Student Support Services

Additional information: A statistical comparison report on student learning outcomes for two groups of students (1) those who involved in student support services and (2) control group (did not use student support services).

Student End-of-Term Outcomes for Students Involved in Student Support Services

sample: Fall 2017 end-of-term enrollment of undergraduate degree-seeking underserved* resident and non-resident students excluding low sample size race/ethnicity populations of American Indian/Alaskan Native, Hawaiian and multiple race. In order to have adequate comparison group proportions, the non-SSS control group consist of a stratified (academic college and student class standing) randomized sample of equivalent underserved students.

Table 1: Univariate and Bivariate Analysis of Selected Metrics

Dimensions:*	(n=1,016) All UDS*	(n=800) non-SSS	(n=216) SSS
demographics:			
age in years	24.5	24.2a	25.5a
% female	60.1%	56.6%a	73.1%b ^
% first generation	83.2%	82.3%a	86.6%a
% military	8.6%	9.7%a	4.2%b
Origin of residence:	100%	100%	100%
KS Sedgwick County	57.5%	57.4%a	57.9%a
KS MSA of Sedgwick County	11.9%	13.0%a	7.9%b
KS southeast excludes Sedgwick & MSA	2.5%	2.8%a	1.4%a
KS northeast	7.0%	7.2%a	6.0%a
KS northwest	0.3%	0.3%a	0.5%a
KS southwest	6.7%	6.5%a	7.4%a
Missouri	1.9%	1.6%a	2.8%a
Nebraska	0.3%	0.4%a	0.0%1
Colorado	1.6%	1.6%a	1.4%a
Oklahoma	1.2%	1.0%a	1.9%a
Texas	9.3%	8.3%a	13.0%b
other	10.9%	10.4%a	13.0%a
total family income (2017 dollars)	\$48,122	\$50,207a	\$40,662a
(median)	\$34,999	\$35,739	\$33,027
family income quintiles:	100%	100%	100%
top 20% (\$156,334 mean; \$139,023 median)	20.0%	22.1%a	12.4%b
4th 20% (\$85,583 mean; \$84,759 median)	20.0%	18.5%a	25.3%b
3rd 20% (\$51,129 mean; \$50,473 median)	20.0%	20.4%a	18.5%a
2nd 20% (\$27,145 mean; \$26,529 median)	20.0%	19.0%a	23.6%a
bottom 20% (\$10,046 mean; \$10,661 median)	20.0%	19.9%a	20.2%a
% living in bottom 40% of family income	40.0%	39.1%a	43.3%a
% with family income <=125% of poverty	38.2%	36.7%a	43.3%a

*Values in the same row and sub table not sharing the same subscript are significantly different at $p < .05$. **Bold** font values represent differences of moderate or higher effect size.

* **first generation** students are from families whose parents or guardians have no post-secondary degree; **low income** is defined as total family income (2017 dollars, cpi) at or below 125% of the poverty threshold based on family size; **Underrepresented minorities** include American Indian/Alaskan Native, Black non-Hispanic, Hawaiian and Hispanic; **Underserved** students include first generation, underrepresented minority and low income; **full-time** enrollment for undergraduates is 12 or more hours during fall term; **cumulative earned hours** includes earned transfer hours; **SEAS** Student Early Alert System in which instructors can identify a student who is having problems with attendance, participation, assignments and exams during the class term.

Table 1: Univariate and Bivariate Analysis of Selected Metrics [continued]

Dimensions ⁺	(n=1,016) All UDS*	(n=800) non-SSS*	(n=216) SSS
incoming academic ability:			
% transfer student	47.2%	51.2%a	32.4%b ^
% with remedial need on entry	40.6%	39.0%a	46.8%a
ACT (SAT)	21.7	22.0a	20.7b ^
ACT (SAT) SR*	22.4	22.6a	21.5b
ACT by family income quintiles:	100%	100%	100%
top 20%	25.3	25.3a	25.2a
4th 20%	23.0	23.4a	21.5b
3rd 20%	22.3	22.7a	21.4a
2nd 20%	21.0	20.8a	21.3a
bottom 20%	19.9	20.0a	19.7a
application gpa	3.23	3.21a	3.31a
HS gpa SR*	3.30	3.30a	3.33a
Entering gpa by family income quintiles:	100%	100%	100%
top 20%	3.47	3.44a	3.66b
4th 20%	3.31	3.26a	3.44b
3rd 20%	3.33	3.34a	3.31a
2nd 20%	3.18	3.23a	3.06a
bottom 20%	3.26	3.24a	3.35a
current performance metrics:			
% full time enrolled	67.9%	68.6a	65.3a
% of history as full-time	63.0%	62.5a	65.0a
cumulative earned hours	88.6	87.1a	93.9a
student class standing	100%	100%	100%
freshmen	12.0%	12.8%a	9.3%a
sophomore	17.1%	18.0%a	13.9%a
junior	21.3%	21.3%a	21.3%a
senior	49.6%	48.0%a	55.6%b
major college division	100%	100%	100%
business	19.7%	20.4%a	17.1%a
education	10.2%	11.4%a	6.0%b
engineering	16.9%	16.5%a	18.5%a
fine arts	6.0%	5.5%a	7.9%a
health professions	16.2%	18.1%a	9.3%b
LAS humanities	3.1%	2.3%a	6.5%b
LAS natural sci. & math	8.0%	7.1%a	11.1%a
LAS social sci.	19.8%	18.8%a	23.6%a
% with SEAS* activity	21.1%	21.2%a	20.4%a
% with SEAS* attendance	8.1%	8.6%a	6.0%a
% with SEAS* class participation	6.3%	6.9%a	4.2%a
% with SEAS* class assignments	13.9%	13.9%a	13.9%a
% with SEAS* class exams	17.5%	17.4%a	18.1%a
% w/FinAid awards	84.0%	83.0%a	87.5%a
FinAid amount	\$5,540	\$5,558a	\$5,476a
% w/FinAid scholarship	36.5%	34.1%a	45.4%b
scholarship amount	\$1,585	\$1,593a	\$1,561a
% w/FinAid grants	56.6%	53.9%a	66.7%b
grant amount	\$2,639	\$2,649a	\$2,608a
% w/FinAid loans	59.7%	60.9%a	55.6%a
loan amount	\$4,246	\$4,295a	\$4,050a

*Values in the same row and sub table not sharing the same subscript are significantly different at $p < .05$. **Bold** font values with the ^ symbol represent differences of moderate or higher effect size.

Table 1: Univariate and Bivariate Analysis of Selected Metrics [continued]

Dimensions ⁺	(n=1,016) All UDS*	(n=800) non-SSS*	(n=216) SSS
current performance metrics (continued):			
family size	3.4	4a	4a
expected family contribution	\$6,035	\$6,666a	\$3,763b
cost of attendance	\$21,847	\$22,069a	\$21,048b
level of need	\$19,046	\$18,890a	\$19,596a
% freshmen in university housing	9.0%	8.5%a	10.6%a
historical performance metrics:			
% with probation history	23.9%	22.7%a	28.2%a
% with negative gpa trends	16.4%	15.6%a	19.5%b
% withdrawal history from classes	15.4%	14.1%a	20.9%b
% with repeat grade activity	15.0%	13.8%a	21.4%b ^
probability of degree completion	53.6%	52.0%a	59.7%b
Risk for not completing degree:	100.0%	100.0%	100.0%
low risk	41.7%	39.8%a	48.6%b
moderate risk	26.7%	27.0%a	25.2%a
high risk	31.7%	33.2%a	26.2%a
End of term (fall 2017) gpa	2.74	2.72a	2.77a

*Values in the same row and sub table not sharing the same subscript are significantly different at $p < .05$. **Bold** font values with the ^ symbol represent differences of moderate or higher effect size.

Table 2: Regressing (OLS) WSU End-of-Term Institutional GPA on Selected Predictors

Dimensions:	(n=1,016) All Underserved				(n=800) non-SSS			(n=216) SSS		
	unstdz beta	stdz Beta	sig ¹	% unique variance (100%)	unstdz beta	sig ¹	% unique variance (100%)	unstdz beta	sig ¹	% unique variance (100%)
Student Support Services Involvement (0,1)	0.040	0.014								
demographics:				3.8%			0.0%			33.3%
female (0,1)	0.192	0.080	**		12.0%			0.584	***	
underrepresented minority (0,1)	-0.078	-0.032			-0.100			-0.083		
first generation (0,1)	-0.136	-0.043			-0.138			0.008		
low income (<=125% poverty) (0,1)	0.039	0.015			0.055			0.011		
incoming ability metrics:				1.5%			1.7%			0.0%
transfer student (0,1)	0.141	0.060	*		0.162	*		0.011		
entering academic ability (scale 0 to 1)	0.010	0.013			0.014			-0.005		
current performance metrics:				42.6%			42.4%			18.8%
full-time enrolled (0,1)	0.111	0.044			0.139			0.081		
earned hours (student class proxy)	0.000	-0.004			0.001			-0.006		
SEAS attendance history (0,1)	-1.155	-0.269	***		-1.197	***		-0.825	**	
financial aid (0,1)	-0.042	-0.013			-0.016			0.009		
university housing (0,1)	0.137	0.033			0.092			0.118		
historical performance metrics:				52.1%			55.8%			47.8%
probation history (0,1)	-0.383	-0.139	***		-0.546	***		0.151		
negative gpa trend history (0,1)	-1.239	-0.199	***		-1.321	***		-0.870	*	
class withdrawal history (0,1)	-0.019	-0.046			-0.029	*		0.028		
class repeat history (0,1)	-0.031	-0.063	*		-0.018			-0.033		
SSC probability degree completion (0,1)	1.207	0.325	**		1.102	***		1.701	***	
(Constant)	2.425		***		2.456	***		1.900	***	
Adj R Sq	0.657		***		0.692	***		0.576	***	

sample: enrollment from end-of-term fall 2017 underserved undergraduate degree-seeking excluding low sample size race/ethnicity populations of American Indian/Alaska Native, Hawaiian and multiple race.

¹ statistically significant coefficient at p *** <.000 ** <.01 * <.05; ² statistically significant difference in unstandardized coefficients from white non-Hispanic at p ^^ <.000 ^^ <.01 ^ <.05.

Table 3: Persistence and Degree Completion**Term-to-Term Persistence:**

Fall Census:	Fall to Spring		Fall to Fall	
	non-SSS	SSS	non-SSS	SSS
2016	81.8% ^a	81.9% ^a	62.6% ^a	63.3% ^a
2017	80.8% ^a	85.0% ^a	61.8% ^a	66.4% ^a

Time-to-Degree & Percent Degree within 6 Years:

Degrees awarded academic year (fall-spring-summer sequence) 2016 to 2018

Transfer Hours at Degree:	Time to Degree in Years (mean)		Percent of Degree within 6 years	
	non-SSS	SSS	non-SSS	SSS
no transfer hours	5.5 ^a	6.4 ^a	76.5% ^a	70.6% ^a
transfer hour <30	4.8 ^a	5.5 ^b	86.1% ^a	79.1% ^a
transfer hours 30 to <59	4.4 ^a	4.4 ^a	81.1% ^a	87.1% ^a
transfer hours 59 to <90	3.2 ^a	5.0 ^b	90.3% ^a	70.0%^b [^]

*Values in the same row and sub table not sharing the same subscript are significantly different at p < .05. **Bold** font values with the ^ symbol represent differences of moderate or higher effect size.