

Table 1: Baseline Characteristics of AVID/TOPS (A/T) and Comparison Group (CG) Students for District-wide Cross-sectional Analysis, 2012-2013

Variables	A/T	CG	Effect Size
Sample Size	533	533	--
8th Grade GPA	3.01	3.01	0.01
Standard Deviation	0.37	0.56	-0.19
Percent Low Income	0.65	0.63	-0.04
Count	346	335	
Standard Deviation	0.48	0.48	0.00
Percent Male	0.44	0.44	0.01
Count	234	237	
Standard Deviation	0.31	0.31	0.00
Percent White	0.23	0.23	0
Count	124	124	
Standard Deviation	0.42	0.42	0.00
Percent Black	0.24	0.24	0
Count	127	127	
Standard Deviation	0.43	0.43	0.00
Percent Latino	0.33	0.33	0
Count	177	177	
Standard Deviation	0.47	0.47	0.00
Percent Other	0.20	0.20	0
Count	105	105	
Standard Deviation	0.40	0.40	0.00
Percent Special Education	0.07	0.06	-0.05
Count	36	30	
Standard Deviation	0.25	0.23	0.02
Percent English Language Learner	0.06	0.06	0.01
Count	33	34	
Standard Deviation	0.24	0.24	0.00
Percent Nonwhite Male	0.31	0.31	0.01
Count	163	165	
Standard Deviation	0.46	0.46	0.00
Percent Low-Income Nonwhite	0.59	0.59	0.004
Count	314	315	
Standard Deviation	0.49	0.49	0.00

Data Source: Office of Research and Evaluation, Madison Metropolitan School District

Table 2: Comparing Cross-sectional Outcomes Between AVID/TOPS (A/T) and Comparison Group (CG) Students District-wide, 2012-2013

Variables	District				Low-Income				White				Black			
	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size
Sample Size	533	533			346	335			124	124			127	127		
Cumulative GPA	2.74	2.61	0.00	0.17	2.66	2.42	0.00	0.30	2.77	2.85	0.19	-0.11	2.53	2.36	0.03	0.23
Standard Deviation	0.63	0.91			0.65	0.91			0.65	0.77			0.55	0.89		
Core GPA	2.54	2.39	0.00	0.18	2.46	2.18	0.00	0.34	2.59	2.66	0.34	-0.09	2.34	2.18	0.66	0.21
Standard Deviation	0.67	0.97			0.69	0.96			0.70	0.82			0.58	0.91		
AP/Honors Participation	0.58	0.51	0.01	0.14	0.54	0.45	0.01	0.18	0.56	0.51	0.39	0.10	0.52	0.42	0.95	0.20
Standard Deviation	0.49	0.50			0.50	0.50			0.50	0.50			0.50	0.50		
AP/Honors GPA	2.46	2.47	0.87	-0.01	2.38	2.22	0.09	0.16	2.50	2.69	0.13	-0.22	2.13	2.28	0.00	-0.15
Standard Deviation	0.89	1.00			0.93	1.04			0.75	0.94			1.01	0.97		
Attendance Rate	95.16	93.60	0.00	0.23	94.73	92.63	0.00	0.27	95.27	94.45	0.20	0.14	95.17	93.12	0.09	0.34
Standard Deviation	5.41	7.81			5.96	9.13			6.30	5.50			5.26	6.57		
Behavior Referrals	2.01	2.96	0.02	-0.34	1.99	3.31	0.01	-0.46	2.21	1.40	0.14	0.45	2.14	3.13	0.04	-0.37
Standard Deviation	1.55	3.67			1.60	3.73			1.77	1.82			1.84	3.25		

Variables	Latino				Other				Low-Income Nonwhite				Nonwhite Male			
	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size	A/T	CG	P-value	Effect Size
Sample Size	177	177			105	105			314	315			163	165		
Cumulative GPA	2.76	2.48	0.00	0.34	2.91	2.85	0.39	0.08	2.67	2.42	0.00	0.32	2.63	2.43	0.00	0.26
Standard Deviation	0.67	0.94			0.59	0.91			0.65	0.91			0.61	0.88		
Core GPA	2.52	2.22	0.00	0.34	2.75	2.61	0.10	0.17	2.47	2.18	0.00	0.35	2.43	2.17	0.00	0.32
Standard Deviation	0.70	1.02			0.64	0.99			0.68	0.97			0.64	0.95		
AP/Honors Participation	0.59	0.52	0.12	0.14	0.68	0.60	0.12	0.17	0.55	0.45	0.01	0.20	0.54	0.48	0.27	0.12
Standard Deviation	0.49	0.50			0.47	0.49			0.50	0.50			0.50	0.50		
AP/Honors GPA	2.47	2.34	0.31	0.13	2.66	2.62	0.79	0.04	2.40	2.23	0.09	0.17	2.31	2.27	0.69	0.04
Standard Deviation	0.86	1.10			0.90	0.89			0.93	1.02			0.84	1.06		
Attendance Rate	95.18	92.90	0.00	0.29	95.06	94.30	0.35	0.12	94.91	92.85	0.00	0.28	95.88	94.38	0.01	0.26
Standard Deviation	5.04	9.70			5.09	7.83			5.26	9.07			4.11	7.05		
Behavior Referrals	1.34	2.26	0.06	-0.67	2.05	5.33	0.09	-0.70	1.91	3.35	0.01	-0.49	1.88	3.31	0.03	-0.46
Standard Deviation	0.55	1.87			0.85	6.57			1.61	3.79			1.83	3.98		

Data Source: Office of Research and Evaluation, Madison Metropolitan School District

Table 3. Baseline Characteristics of AVID/TOPS (A/T) and Comparison Group (CG) Students for District-wide Longitudinal Analysis, Class of 2013 and Class of 2014

Variables	Class of 2013			Class of 2014		
	A/T	CG	Effect Size	A/T	CG	Effect Size
Sample Size	165	165		186	186	
8th Grade GPA	2.92	2.90	-0.04	2.98	2.84	-0.29
Standard Deviation	0.43	0.65	-0.22	0.37	0.58	-0.21
Percent Low-Income	0.71	0.70	-0.03	0.70	0.69	-0.02
Count	117	116		116	114	
Standard Deviation	0.46	0.46	0.00	0.46	0.46	0.00
Percent Male	0.41	0.44	0.06	0.44	0.49	0.11
Count	68	73		73	81	
Standard Deviation	0.49	0.50	-0.01	0.50	0.50	0.00
Percent White	0.15	0.15	0	0.19	0.19	0
Count	25	25		31	31	
Standard Deviation	0.36	0.36	0.00	0.40	0.40	0.00
Percent Black	0.41	0.41	0	0.27	0.27	0
Count	68	68		45	45	
Standard Deviation	0.49	0.49	0.00	0.45	0.45	0.00
Percent Latino	0.33	0.33	0	0.35	0.35	0
Count	54	54		58	58	
Standard Deviation	0.47	0.47	0.00	0.48	0.48	0.00
Percent Other	0.11	0.11	0	0.18	0.18	0
Count	18	18		30	30	
Standard Deviation	0.31	0.31	0.00	0.39	0.39	0.00
Percent Special Education	0.05	0.15	0.32	0.06	0.11	0.18
Count	8	25		10	18	
Standard Deviation	0.23	0.36	-0.13	0.24	0.31	-0.07
Percent English Language Learner	0.04	0.08	0.15	0.06	0.10	0.12
Count	7	13		10	17	
Standard Deviation	0.20	0.27	-0.07	0.25	0.30	-0.05
Percent Nonwhite Male	0.36	0.38	0.05	0.33	0.38	0.05
Count	59	63		54	63	
Standard Deviation	0.48	0.49	-0.01	0.47	0.49	-0.02
Percent Low-Income Male	0.27	0.33	0.12	0.29	0.35	0.13
Count	45	54		48	58	
Standard Deviation	0.45	0.47	-0.02	0.46	0.48	-0.02
Percent Low-Income Nonwhite	0.64	0.64	0	0.27	0.33	0.12
Count	106	106		45	54	
Standard Deviation	0.48	0.48	0.00	0.45	0.47	-0.02
8th Grade Attendance Rate	95.94	95.31	-0.17	96.05	95.31	-0.04
Standard Deviation	3.62	3.85	-0.23	3.14	5.03	-1.89
7th Grade Attendance Rate	95.82	94.41	-0.22	96.05	95.31	-0.18
Standard Deviation	3.76	8.36	-4.60	3.14	5.03	-1.89
6th Grade Attendance Rate	95.93	95.59	-0.07	96.11	95.49	-0.16
Standard Deviation	3.72	5.23	-1.51	3.22	4.30	-1.08
8th Grade Behavior Referrals	1.60	2.08	0.12	1.27	2.14	0.19
Standard Deviation	3.17	4.60	-1.43	3.04	5.57	-2.53
7th Grade Behavior Referrals	1.42	2.06	0.18	1.92	1.59	0.06
Standard Deviation	2.96	4.10	-1.14	5.54	5.16	0.38
6th Grade Behavior Referrals	0.71	1.40	0.18	0.87	1.07	0.07
Standard Deviation	1.75	5.26	-3.51	2.74	2.77	-0.03
WKCE 8 Reading	3.13	2.97	-0.21	3.15	2.99	-0.20
Standard Deviation	0.64	0.91	-0.27	0.65	0.87	-0.22
WKCE 8 Math	2.76	2.73	-0.03	2.97	2.86	-0.14
Standard Deviation	0.73	0.93	-0.20	0.59	0.88	-0.29

Data Source: Office of Research and Evaluation, Madison Metropolitan School District

Table 4. Comparing Longitudinal Outcomes Between AVID/TOPS (A/T) and Comparison Group (CG) Students District-wide, Class of 2013

Variables	EVER A/T			1 YEAR A/T			2 YEARS A/T			3 YEARS A/T			4 YEARS A/T			CG
Sample Size	165			53			24			32			56			165
	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean
12th Grade Cumulative GPA	2.55	0.93	0.00	2.15	0.14	-0.47	2.49	0.96	-0.07	2.68	0.78	0.15	2.71	0.08	0.20	2.55
Standard Deviation	0.59			0.67			0.60			0.50			0.51			0.89
12th Grade Core GPA	2.27	0.25	-0.15	1.96	0.42	-0.43	2.44	0.81	0.03	2.43	0.46	0.02	2.28	0.44	-0.13	2.41
Standard Deviation	0.85			1.09			0.57			0.82			0.80			1.04
AP/Honors Participation	0.59	0.05	0.22	0.26	0.02	-0.45	0.67	0.25	0.38	0.75	0.06	0.55	0.79	0.00	0.65	0.48
Standard Deviation	0.49			0.45			0.48			0.44			0.41			0.50
AP/Honors GPA	1.98	0.00	-0.40	2.42	0.09	0.00	1.80	0.70	-0.54	2.18	0.90	-0.21	2.04	0.57	-0.34	2.42
Standard Deviation	1.01			1.16			1.00			1.13			0.93			1.16
12th Grade Attendance Rate	89.06	0.06	-0.31	85.48	0.01	-0.48	91.08	0.62	-0.04	89.65	0.48	-0.19	90.70	0.13	-0.08	91.48
Standard Deviation	5.41			19.30			7.40			9.13			9.15			9.56
Behavior Referrals During High School	2.78	0.02	-0.25	5.11	0.81	0.01	2.75	0.14	-0.22	1.41	0.02	-0.37	1.36	0.24	-0.39	4.98
Standard Deviation	6.61			10.72			3.21			2.31			2.45			10.52
12th Grade Behavior Referrals	0.26	0.72	-0.08	0.38	0.84	0.03	0.25	0.75	-0.08	0.19	0.36	-0.14	0.20	0.93	-0.14	0.34
Standard Deviation	0.88			1.27			0.68			0.47			0.64			1.12
ACT Score	19.73	0.00	-0.43	21.85	0.47	0.08	20.92	0.95	-0.13	19.41	0.27	-0.48	19.08	0.31	-0.57	21.50
Standard Deviation	3.65			4.10			3.68			3.55			3.41			4.50
Graduated in 2013	0.79	0.56	0.09	0.57	0.03	-0.40	0.71	0.43	-0.09	0.91	0.16	0.38	0.96	0.01	0.54	0.75
Standard Deviation	0.41			0.50			0.46			0.30			0.19			0.44

Data Source: Office of Research and Evaluation, Madison Metropolitan School District

Table 5. Comparing Longitudinal Outcomes Between AVID/TOPS (A/T) and Comparison Group (CG) Students District-wide, Class of 2014

Variables	EVER A/T			1 YEAR A/T			2 YEARS A/T			3 YEARS A/T			CG
Sample Size	186			57			31			98			186
	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean	P-value	Effect Size	Adjusted Mean
11th Grade Cumulative GPA	2.47	0.43	0.25	2.01	0.00	-0.27	2.36	0.36	0.11	2.70	0.00	0.52	2.26
Standard Deviation	0.71			0.82			0.61			0.58			0.95
11th Grade Core GPA	2.01	0.46	0.06	1.58	0.01	-0.34	1.65	0.00	-0.28	2.31	0.02	0.36	1.95
Standard Deviation	0.96			1.04			0.96			0.81			1.10
AP/Honors Participation	0.50	0.10	0.26	0.32	0.44	-0.10	0.45	0.80	0.17	0.62	0.00	0.52	0.37
Standard Deviation	0.50			0.47			0.51			0.49			0.48
AP/Honors GPA	2.53	0.34	-0.05	1.73	0.55	-0.66	1.91	0.03	-0.52	2.82	0.01	0.19	2.59
Standard Deviation	1.23			1.39			1.55			1.02			1.27
11th Grade Attendance Rate	94.43	0.03	0.41	93.05	0.53	0.22	92.54	0.57	0.17	95.66	0.01	0.50	90.52
Standard Deviation	5.28			5.66			7.92			3.53			12.47
Behavior Referrals During High School	3.35	0.60	-0.20	4.79	0.65	-0.04	2.65	0.98	-0.24	2.74	0.23	-0.25	5.27
Standard Deviation	6.55			9.16			4.10			5.15			11.88
11th Grade Behavior Referrals	0.29	0.04	-0.21	0.55	0.07	0.00	0.48	0.80	-0.05	0.26	0.04	-0.21	0.55
Standard Deviation	0.69			1.63			0.81			0.65			1.63
PLAN Score	16.91	0.06	-0.09	16.57	0.03	-0.17	16.76	0.19	-0.12	17.11	0.39	-0.03	17.23
Standard Deviation	2.69			2.89			3.25			2.41			4.11

Data Source: Office of Research and Evaluation, Madison Metropolitan School District