
Supplemental Tables for: Is It Getting Fairer? Examining Five Years of School Allocations Under Fair Student Funding

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There is Evidence of Convergence Towards the Fair Student Funding-Defined Weights Among Categories of Student Need That Were Above the Formula Weight							
		FSF Formula Weights	Implied Weights				
			2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Grade Weights	Enrollment 6-8	1.08	1.05	1.00	1.02	1.02	1.08
	Enrollment 9-12	1.03	1.16	1.15	1.12	1.11	1.08
Academic Intervention	Poverty	0.24/0.12	0.08	-0.01	0.02	0.05	0.00
	Well Below Standards 4-5	0.40	1.46	3.56	4.70	14.52	8.33
	Below Standards 4-5	0.25	-1.41	-2.58	-1.57	-3.73	-4.62
	Well Below Standards 6-8	0.50	0.32	0.46	0.40	0.63	0.41
	Below Standards 6-8	0.35	-0.09	-0.53	-0.48	-0.66	-0.38
	Well Below Standards 9-12	0.40	0.19	0.26	0.19	0.15	0.17
	Below Standards 9-12	0.25	-0.12	-0.29	-0.16	-0.09	0.15
English Language Learner	ELL K-5	0.40	0.35	0.28	0.29	0.35	0.33
	ELL 6-8	0.50	0.46	0.45	0.36	0.38	0.36
	ELL 9-12	0.50	0.37	0.30	0.30	0.37	0.36
Special Education	Less Than 20% of the Day	0.56	0.16	0.44	0.35	0.49	0.52
	Between 20 and 60% of the Day	0.68	1.56	1.06	1.32	1.55	1.05
	Self Contained K-8 Seats (More than 60% of the day)	1.23	2.62	2.30	2.16	2.03	1.46
	Self Contained 9-12 Seats (More than 60% of the day)	0.73/0.58	1.69	1.10	0.89	0.70	0.57
	CTT K-8 Seats (More than 60% of the day)	2.28	2.35	2.19	2.14	2.32	--
	CTT K Seats (More than 60% of the day)	2.28	--	--	--	--	1.56
	CTT 1-8 Seats (More than 60% of the day)	1.90	--	--	--	--	2.09
	CTT 9-12 Seats (More than 60% of the day)	2.52/2.1	0.90	1.26	1.73	1.93	1.43
Portfolio Schools	CTE-Nursing	0.26	0.14	0.27	-0.31	0.17	0.20
	CTE-Health/Trade/Technical	0.17	0.18	0.17	0.16	0.17	0.17
	CTE-Business	0.12	0.14	0.12	0.25	0.27	0.23
	CTE-Home Economics/Arts	0.05	0.19	0.10	-0.02	0.05	-0.13
	Specialized Academic	0.25	0.11	0.08	0.10	0.13	0.23
	Specialized Audition	0.35	0.35	0.31	0.32	0.34	0.33
	Transfer Schools	0.40	0.39	0.36	0.39	0.39	0.43
Number of Schools in Sample			1,396	1,437	1,472	1,495	1,506
Adjusted R-Squared			0.9858	0.9863	0.9876	0.9871	0.9928

SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations

NOTES: For weights that were revised in 2011-2012, the original weight is listed first and the revised weight is listed second. Only statistically significant results appear in bold font.

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Types of Students That Were Funded Significantly Below the Formula Weight							
		FSF Formula Weights	Implied Weights				
			2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Grade Weights	Enrollment 6-8	1.08		1.00	1.02	1.02	
	Enrollment 9-12	1.03					
Academic Intervention	Poverty	0.24/0.12	0.08			0.05	
	Well Below Standards 4-5	0.40					
	Below Standards 4-5	0.25					-4.62
	Well Below Standards 6-8	0.50					
	Below Standards 6-8	0.35		-0.53	-0.48	-0.66	-0.38
	Well Below Standards 9-12	0.40	0.19				0.17
	Below Standards 9-12	0.25		-0.29			
English Language Learner	ELL K-5	0.40		0.28	0.29		0.33
	ELL 6-8	0.50					0.36
	ELL 9-12	0.50	0.37	0.30	0.30	0.37	0.36
Special Education	Less Than 20 % of the Day	0.56					
	Between 20 and 60% of the Day	0.68					
	Self Contained K-8 Seats (More than 60% of the day)	1.23					
	Self Contained 9-12 Seats (More than 60% of the day)	0.73/0.58					
	CTT K-8 Seats (More than 60% of the day)	2.28					--
	CTT K Seats (More than 60% of the day)	2.28	--	--	--	--	
	CTT 1-8 Seats (More than 60% of the day)	1.90	--	--	--	--	
	CTT 9-12 Seats (More than 60% of the day)	2.52/2.1	0.90	1.26	1.73	1.93	1.43
Portfolio Schools	CTE-Nursing	0.26					0.20
	CTE-Health/Trade/Technical	0.17					
	CTE-Business	0.12					
	CTE-Home Economics/Arts	0.05					
	Specialized Academic	0.25	0.11	0.08	0.10	0.13	
	Specialized Audition	0.35					
	Transfer School	0.40					
Number of Schools in Sample			1,396	1,437	1,472	1,495	1,506
Adjusted R-squared			0.9858	0.9863	0.9876	0.9871	0.9928
SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations							
NOTE: For weights that were revised in 2011-2012, the original weight is listed first and the revised weight is listed second.							
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Types of Students That Were Funded Significantly Above the Formula Weight							
		FSF Formula Weights	Implied Weights				
			2007-2008	2008-2009	2009-2010	2010-2011	2011-2012
Grade Weights	Enrollment 6-8	1.08					
	Enrollment 9-12	1.03	1.16	1.15	1.12	1.11	1.08
Academic Intervention	Poverty	0.24/0.12					
	Well Below Standards 4-5	0.40				14.52	8.33
	Below Standards 4-5	0.25					
	Well Below Standards 6-8	0.50					
	Below Standards 6-8	0.35					
	Well Below Standards 9-12	0.40					
	Below Standards 9-12	0.25					
English Language Learner	ELL K-5	0.40					
	ELL 6-8	0.50					
	ELL 9-12	0.50					
Special Education	Less Than 20% of the Day	0.56					
	Between 20 and 60% of the Day	0.68					
	Self Contained K-8 Seats (More than 60% of the day)	1.23	2.62	2.30	2.16	2.03	1.46
	Self Contained 9-12 Seats (More than 60% of the day)	0.73/0.58	1.69				
	CTT K-8 Seats (More than 60% of the day)	2.28					--
	CTT K Seats (More than 60% of the day)	2.28	--	--	--	--	
	CTT 1-8 Seats (More Than 60% of the day)	1.90	--	--	--	--	2.09
	CTT 9-12 Seats (More than 60% of the day)	2.52/2.1					
Portfolio Schools	CTE-Nursing	0.26					
	CTE-Health/Trade/Technical	0.17					
	CTE-Business	0.12			0.25	0.27	0.23
	CTE-Home Economics/Arts	0.05	0.19				
	Specialized Academic	0.25					
	Specialized Audition	0.35					
	Transfer Schools	0.40					
Number of Schools in Sample			1,396	1,437	1,472	1,495	1,506
Adjusted R-Squared			0.9858	0.9863	0.9876	0.9871	0.9928
SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations							
NOTE: For weights that were revised in 2011-2012, the original weight is listed first and the revised weight is listed second.							
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Regression Results, Part I					
		2008		2009	
		Parameter	Standard Error	Parameter	Standard Error
Grade Weights	Intercept	463,532.4***	18,337.5	460,333.9***	1,6854.2
	Enrollment K-5	3,663.7***	69.4	3,779.5***	62.9
	Enrollment 6-8	3,836.3***	65.3	3,790.9***	57.9
	Enrollment 9-12	4,236.6***	77.0	4,345.8***	68.4
Academic Intervention Weights	Poverty	278.6***	88.6	-22.2	83.4
	Well Below Standards 4-5	5,332.9	8,610.5	13,461.5	10,403.4
	Below Standards 4-5	-5,152.7	6,722.6	-9756.0	8,307.4
	Well Below Standards 6-8	1,178.1*	700.5	1,725.1*	882.3
	Below Standards 6-8	-335.3	775.6	-1,989.2***	713.1
	Well Below Standards 9-12	701.3**	352.9	974.1***	322.6
ELL Weights	Below Standards 9-12	-440.0	423.6	-1,112.7***	362.5
	ELL K-5	1,297.5***	145.1	1,043.2***	132.8
	ELL 6-8	1,682.0***	327.9	1,711.6***	303.5
Special Education Weights	ELL 9-12	1,362.0***	163.3	1,146.9***	146.1
	Less Than 20 percent of the Day	590.3	672.3	1,668.6***	607.6
	Between 20 and 60 percent of the Day	5,730.3**	2,816.0	4007.0	3,207.4
	Self Contained K-8 Seats (More than 60% of the day)	9,614.8***	444.0	8,703.9***	428.4
	Self Contained 9-12 Seats (More than 60% of the day)	6,189.2***	817.4	4,150.5***	781.8
	CTT K-8 Seats (More than 60% of the day)	8,606.6***	512.7	8,274.1***	455.6
Portfolio Weights	CTT 9-12 Seats (More than 60% of the day)	3,287.9***	969.9	4,775.0***	785.2
	CTE-Nursing	519.8	468.3	1,002.0	1,147.7
	CTE-Health/Trade/Technical	666.8***	86.9	650.7***	86.0
	CTE-Business	513.0*	275.0	457.9	3,38.3
	CTE-Home Economics/Arts	688.4***	235.4	383.9**	171.1
	Specialized Academic	402.0***	92.9	307.2***	82.3
	Specialized Audition	1,299.6***	138.2	1,181.5***	129.1
2012 Only: Special Education CTT Weights	Transfer Schools	1,418.2***	183.0	1,371.7***	162.1
	Kindergarten Seats (More than 60% of the day)	--	--	--	--
	1-8 Seats (More Than 60% of the day)	--	--	--	--
Adjusted R-squared		0.9858		0.9863	
SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations					
NOTE: *p<0.10, **p<0.05, ***p<0.01					
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Regression Results, Part II					
		2010		2011	
		Parameter	Standard Error	Parameter	Standard Error
	Intercept	345,577.6***	13,019.5	385,106.2***	1,2817.7
Grade Weights	Enrollment K-5	3,130.3***	48.9	30,418.8***	49.8
	Enrollment 6-8	3,187.2***	45.1	3,112.6***	44.3
	Enrollment 9-12	3,516.6***	51.1	3,370.8***	44.4
Academic Intervention Weights	Poverty	70.5	65.0	153.4**	64.2
	Well Below Standards 4-5	1,,4712.6	12,133.1	4,4180.8**	21,762.2
	Below Standards 4-5	-4908.6	10,015.5	-11,338.8	12,353.4
	Well Below Standards 6-8	1,238.5	991.2	1,921.4	1,317.2
	Below Standards 6-8	-1,512.6**	653.3	-2,001.6***	699.1
	Well Below Standards 9-12	580.5*	329.1	445.1	384.9
	Below Standards 9-12	-506.1*	300.9	-286.2	316.0
ELL Weights	ELL K-5	902.1***	103.9	1,066.2***	100.5
	ELL 6-8	1,138.4***	233.6	1,150.5***	216.9
	ELL 9-12	951.6***	117.4	1,127.8***	109.9
Special Education Weights	Less Than 20 percent of the Day	1,099.0**	494.6	1,495.7***	509.4
	Between 20 and 60 percent of the Day	4136.0	2,994.6	4723.5	3,050.9
	Self Contained K-8 Seats (More than 60% of the day)	6,751.8***	338.1	6,186.7***	343.2
	Self Contained 9-12 Seats (More than 60% of the day)	2,778.9***	611.3	2,138.5***	548.1
	CTT K-8 Seats (More than 60% of the day)	6,714.4***	349.9	7067.6***	344.7
	CTT 9-12 Seats (More than 60% of the day)	5,404.2***	569.9	5,866.1***	542.2
Portfolio Weights	CTE-Nursing	-966.1	923.5	510.1	319.9
	CTE-Health/Trade/Technical	510.5***	59.3	528.9***	60.3
	CTE-Business	795.5***	166.8	807.5***	168.3
	CTE-Home Economics/Arts	-76.4	201.2	153.3	186.1
	Specialized Academic	323.0***	61.6	401.9***	55.5
	Specialized Audition	1,015.3***	99.3	1,038.7***	95.2
	Transfer Schools	1,221.4***	123.3	1,179.5***	130.0
2012 Only: Special Education CTT Weights	Kindergarten Seats (More than 60% of the day)	--	--	--	--
	1-8 Seats (More than 60% of the day)	--	--	--	--
Adjusted R-squared		0.9876		0.9871	

SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations

NOTE: *p<0.10, **p<0.05, ***p<0.01

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Regression Results, Part III			
		2012	
		Parameter	Standard Error
Grade Weights	Intercept	361,527.0***	11,028.8
	Enrollment K-5	3,564.5***	43.9
	Enrollment 6-8	3,863.9***	45.6
	Enrollment 9-12	3,835.7***	50.0
Academic Intervention Weights	Poverty	-16.6	56.2
	Well Below Standards 4-5	2,9708.4***	9,787.4
	Below Standards 4-5	-16465.4***	5,914.0
	Well Below Standards 6-8	1,454.8***	445.5
	Below Standards 6-8	-1365.3***	514.3
	Well Below Standards 9-12	608.0***	178.4
	Below Standards 9-12	528.9**	264.3
ELL Weights	ELL K-5	1,172.7***	89.7
	ELL 6-8	1,286.1***	168.4
	ELL 9-12	1,274.7***	94.8
Special Education Weights	Less than 20 percent of the Day	1,840.3***	482.6
	Between 20 and 60 percent of the Day	3756.0	2,845.5
	Self Contained K-8 Seats (More than 60% of the day)	5,220.7***	284.6
	Self Contained 9-12 Seats (More than 60% of the day)	2,021.4***	473.7
	CTT K-8 Seats (More than 60% of the day)	--	--
	CTT 9-12 Seats (More than 60% of the day)	5,104.5***	426.5
Portfolio Weights	CTE-Nursing	713.6***	93.2
	CTE-Health/Trade/Technical	593.5***	69.9
	CTE-Business	802.6***	157.9
	CTE-Home Economics/Arts	-446.2	281.6
	Specialized Academic	827.1***	56.7
	Specialized Audition	1,188.5***	84.0
	Transfer Schools	1,518.9***	123.4
2012 Only: Special Education CTT Weights	Kindergarten Seats (More than 60% of the day)	5,550.3***	1,726.1
	1-8 Seats (More than 60% of the day)	7,459.6***	332.4
Adjusted R-squared		0.9928	

SOURCE: Analysis of Department of Education data on school-level Fair Student Funding allocations
NOTE: *p<0.10, **p<0.05, ***p<0.01

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