

Appendix (Sensitive Analyses Results)

Table A.1

Log-Odds of Identifying as Demanded when Controlling for Teacher and School Race/Ethnicity (Unweighted Analysis)

	(3)	
	Coefficient	Exp(B)
% Eligible, F/R Lunch	0.0105*** (0.000545)	1.011*** (0.000551)
<u>Teacher Race/Ethnicity</u>		
Black	-0.376*** (0.115)	0.686*** (0.0786)
Hispanic	-0.222** (0.109)	0.801** (0.0872)
<u>School Race/Ethnicity</u>		
White 51-74%	-0.370*** (0.0466)	0.691*** (0.0322)
White >=75%	-0.718*** (0.0442)	0.488*** (0.0216)
Black 51-74%	0.668*** (0.0857)	1.951*** (0.167)
Black >=75%	0.578*** (0.0999)	1.783*** (0.178)
Hispanic 51-74%	0.253*** (0.0663)	1.288*** (0.0854)
Hispanic >=75%	0.204*** (0.0716)	1.227*** (0.0878)
<u>Teacher * School</u>		
Black* White 51-74%	-0.249 (0.242)	0.779 (0.188)
Black* White >=75%	0.0867 (0.402)	1.091 (0.439)
Black* Black 51-74%	-0.335* (0.188)	0.715* (0.134)
Black* Black >=75%	-0.335** (0.171)	0.715** (0.122)
Black* Hispanic 51-74%	-0.291 (0.220)	0.748 (0.164)
Black* Hispanic >=75%	-0.0659 (0.228)	0.936 (0.213)
Hispanic* White 51-74%	-0.365 (0.226)	0.694 (0.157)
Hispanic* White >=75%	0.442* (0.261)	1.556* (0.405)
Hispanic* Black 51-74%	-0.0792 (0.388)	0.924 (0.359)
Hispanic* Black >=75%	0.0723 (0.314)	1.075 (0.337)
Hispanic* Hispanic 51-74%	-0.149 (0.169)	0.861 (0.145)
Hispanic* Hispanic >=75%	-0.232 (0.142)	0.793 (0.113)
Constant	-1.252*** (0.0453)	0.286*** (0.0130)
Pseudo R-Squared		.06

Note: SE in parenthesis, *** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$

Appendix: Examining the Intersectionality among Teacher Race/Ethnicity, School Context, and Risk for Occupational Stress

Table A.2

Unweighted, rounded cells counts associated with Table 3

<u>RACE</u>	<u>No Majority</u>	<u>Race/Ethnicity Concentration of School</u>						<u>Total</u>
		<u>White</u> 51-74%	<u>White</u> ≥75%	<u>Black</u> 51-74%	<u>Black</u> ≥75%	<u>Hispanic</u> 51-74%	<u>Hispanic</u> ≥75%	
White	4,670	5,140	8,040	660	470	1,270	1,030	21,280
%	21.95	24.15	37.75	3.11	2.23	5.96	4.85	100.00
Black	430	180	60	270	590	150	130	1,820
%	23.80	9.95	3.35	14.95	32.22	8.47	7.26	100.00
Hispanic	470	230	120	40	50	350	1,050	2,310
%	20.42	9.89	5.33	1.56	2.25	15.00	45.53	100.00
Total	5,570	5,550	8,220	970	1,110	1,770	2,210	25,420
%	21.95	21.84	32.35	3.82	4.38	6.96	8.71	100.00

Note. Per NCES guidelines, all counts are rounded to 10.

Citation: Fitchett, P. G., Dillard, J. B., McCarthy, C. J., Lambert, R. G., & Mosley, K. (2020). Examining the intersectionality among teacher race/ethnicity, school context, and risk for occupational stress. *Education Policy Analysis Archives*, 28(87). <https://doi.org/10.14507/epaa.28.4999>

Appendix: Examining the Intersectionality among Teacher Race/Ethnicity, School Context, and Risk for Occupational Stress

Table A.3

Unweighted, rounded cell counts associated with Table 4

<u>Demands Group</u>	<u>White Teacher</u>		<u>Black Teacher</u>		<u>Hispanic Teacher</u>	
	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>	<u>No</u>	<u>Yes</u>
<u>School Race/Ethnicity Concentration</u>						
No Majority	3,090	1,590	310	110	330	140
%	66.02	33.98	72.52	27.48	69.85	30.15
White 51-74%	3,930	1,210	150	30	200	30
%	76.41	23.59	84.53	15.47	85.96	14.04
White >=75%	6,620	1,420	50	10	100	20
%	82.35	17.65	85.25	14.75	80.49	19.51
Black 51-74%	310	360	170	100	20	20
%	46.15	53.85	62.50	37.50	58.33	41.67
Black >=75%	210	260	360	230	30	30
%	44.94	55.06	61.60	38.40	48.08	51.92
Hispanic 51-74%	730	540	110	50	230	120
%	57.18	42.82	70.78	29.22	65.61	34.39
Hispanic >=75%	570	460	90	40	690	360
%	55.37	44.63	66.67	33.33	65.62	34.38
Total	15,460	5,840	1,210	570	1,600	740
%	72.6%	27.4%	67.9%	32.1%	68.5%	31.5%

Note. Per NCES guidelines, all counts are rounded to 10.

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Table A.4

Teacher Race/Ethnicity and School Concentration Race/Ethnicity by Appraisal Index

VARIABLES	STRESS b
% Eligible, F/R Lunch	1.174*** (0.0377)
<u>Teacher Race/Ethnicity</u>	
Black	-27.97*** (8.101)
Hispanic	-25.55*** (7.863)
<u>School Race/Ethnicity</u>	
White 51-74%	-26.27*** (3.306)
White >=75%	-43.45*** (3.037)
Black 51-74%	56.01*** (6.653)
Black >=75%	62.80*** (7.777)
Hispanic 51-74%	28.96*** (5.117)
Hispanic >=75%	19.18*** (5.542)
<u>Teacher * School</u>	
Black* White 51-74%	-22.32 (14.56)
Black* White >=75%	-10.73 (22.75)
Black* Black 51-74%	-22.08 (14.01)
Black* Black >=75%	-57.30*** (12.74)
Black* Hispanic 51-74%	-30.72* (15.85)
Black* Hispanic >=75%	-30.26* (16.75)
Hispanic* White 51-74%	-25.37* (13.46)
Hispanic* White >=75%	21.69 (16.85)
Hispanic* Black 51-74%	-15.28 (30.19)
Hispanic* Black >=75%	-14.04 (24.47)
Hispanic* Hispanic 51-74%	-9.608 (12.50)
Hispanic* Hispanic 51-74%	-27.57*** (10.50)
Constant	-40.58*** (3.186)
Observations	24,620
R-squared	0.100

*** $p < 0.01$, ** $p < 0.05$, * $p < 0.1$ Note. The Appraisal Index is a standardized scale with mean=500, and SD=100.

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