

Supplement to:

Gullickson, Aaron. 2023. "Differences in the Risk of Grade Retention for Biracial and Monoracial Students in the United States, 2010 to 2019." *Sociological Science* 10: 403-428.

Table 1: Log-odds ratios from full models predicting a student being clearly behind expected grade. All models used sample weights and adjust for design effects from sample weight variance and clustering of students within the same household.

	Model 1	Model 2	Model 3	Model 4	Model 5
Intercept	-3.313*** (0.006)	-3.433*** (0.054)	-2.138*** (0.105)	-1.804*** (0.103)	-1.676*** (0.104)
Race (ref. White)					
Black	0.460*** (0.018)	0.396*** (0.019)	0.393*** (0.019)	0.247*** (0.019)	0.170*** (0.019)
Indigenous	0.851*** (0.049)	0.818*** (0.052)	0.795*** (0.052)	0.560*** (0.052)	0.487*** (0.052)
Asian	-0.326*** (0.025)	-0.088*** (0.025)	-0.187*** (0.029)	-0.134*** (0.030)	-0.148*** (0.029)
Latino	0.390*** (0.012)	0.529*** (0.014)	0.327*** (0.019)	-0.025 (0.020)	-0.062** (0.020)
Black/White	0.097* (0.044)	0.118** (0.044)	0.126** (0.044)	-0.012 (0.044)	-0.082 (0.045)
Black/Indigenous	0.554* (0.219)	0.580** (0.223)	0.591** (0.223)	0.400 (0.224)	0.311 (0.224)
Black/Latino	0.116 (0.075)	0.205** (0.075)	0.229** (0.075)	0.045 (0.075)	-0.038 (0.075)
Black/Asian	-0.171 (0.209)	0.007 (0.208)	0.089 (0.208)	0.061 (0.208)	0.024 (0.208)
White/Indigenous	0.419*** (0.059)	0.253*** (0.061)	0.258*** (0.061)	0.158** (0.061)	0.129* (0.061)
White/Latino	-0.118*** (0.024)	-0.001 (0.024)	0.016 (0.024)	-0.066** (0.024)	-0.084*** (0.024)

	Model 1	Model 2	Model 3	Model 4	Model 5
White/Asian	-0.677*** (0.050)	-0.470*** (0.050)	-0.411*** (0.051)	-0.266*** (0.051)	-0.248*** (0.051)
Indigenous/Latino	0.419** (0.140)	0.573*** (0.140)	0.579*** (0.140)	0.280* (0.142)	0.213 (0.143)
Indigenous/Asian	-0.310 (0.335)	-0.088 (0.348)	-0.061 (0.346)	-0.210 (0.346)	-0.253 (0.346)
Latino/Asian	-0.379*** (0.113)	-0.047 (0.113)	0.015 (0.113)	0.007 (0.113)	-0.011 (0.113)
Year (2010 origin)		0.018** (0.007)	0.019** (0.007)	0.029*** (0.007)	0.029*** (0.007)
Grade (ref. Kindergarten)					
1st grade		0.417*** (0.047)	0.427*** (0.047)	0.426*** (0.047)	0.432*** (0.047)
2nd grade		0.469*** (0.046)	0.478*** (0.046)	0.475*** (0.047)	0.488*** (0.047)
3rd grade		0.715*** (0.045)	0.722*** (0.045)	0.718*** (0.045)	0.737*** (0.045)
4th grade		0.736*** (0.045)	0.739*** (0.045)	0.729*** (0.046)	0.755*** (0.046)
5th grade		0.753*** (0.045)	0.750*** (0.045)	0.743*** (0.045)	0.775*** (0.045)
6th grade		0.981*** (0.043)	0.972*** (0.044)	0.955*** (0.044)	0.992*** (0.044)
7th grade		0.937*** (0.044)	0.923*** (0.044)	0.898*** (0.044)	0.943*** (0.045)
8th grade		1.024*** (0.044)	1.008*** (0.044)	0.982*** (0.044)	1.033*** (0.045)
9th grade		1.178*** (0.043)	1.152*** (0.043)	1.125*** (0.043)	1.179*** (0.044)
10th grade		1.163*** (0.043)	1.136*** (0.043)	1.111*** (0.043)	1.173*** (0.044)
11th grade		1.050*** (0.044)	1.020*** (0.044)	0.994*** (0.044)	1.062*** (0.045)
12th grade		1.197*** (0.046)	1.167*** (0.046)	1.137*** (0.046)	1.209*** (0.046)
State (ref. Alabama)					
Alaska		-0.425*** (0.104)	-0.419*** (0.104)	-0.357*** (0.103)	-0.325** (0.102)
Arizona		-0.499*** (0.051)	-0.482*** (0.051)	-0.455*** (0.051)	-0.463*** (0.051)

	Model 1	Model 2	Model 3	Model 4	Model 5
Arkansas		-0.085 (0.061)	-0.084 (0.061)	-0.100 (0.061)	-0.107 (0.061)
California		-0.761*** (0.043)	-0.743*** (0.043)	-0.713*** (0.043)	-0.730*** (0.043)
Colorado		-0.526*** (0.056)	-0.513*** (0.056)	-0.437*** (0.056)	-0.431*** (0.056)
Connecticut		-0.698*** (0.064)	-0.687*** (0.064)	-0.547*** (0.064)	-0.521*** (0.064)
Washington DC		-0.551** (0.175)	-0.528** (0.174)	-0.337 (0.175)	-0.307 (0.175)
Delaware		0.060 (0.103)	0.069 (0.103)	0.070 (0.103)	0.087 (0.103)
Florida		0.154*** (0.043)	0.146*** (0.043)	0.231*** (0.043)	0.216*** (0.043)
Georgia		-0.046 (0.047)	-0.051 (0.047)	-0.018 (0.047)	-0.024 (0.047)
Hawaii		-0.854*** (0.121)	-0.852*** (0.121)	-0.822*** (0.122)	-0.853*** (0.122)
Idaho		-0.535*** (0.074)	-0.545*** (0.074)	-0.512*** (0.074)	-0.517*** (0.074)
Illinois		-0.588*** (0.047)	-0.568*** (0.047)	-0.500*** (0.047)	-0.487*** (0.047)
Indiana		0.234*** (0.047)	0.235*** (0.047)	0.207*** (0.047)	0.211*** (0.047)
Iowa		-0.489*** (0.060)	-0.500*** (0.060)	-0.421*** (0.060)	-0.406*** (0.060)
Kansas		-0.464*** (0.064)	-0.463*** (0.064)	-0.393*** (0.064)	-0.385*** (0.064)
Kentucky		-0.159** (0.053)	-0.168** (0.053)	-0.182*** (0.053)	-0.196*** (0.053)
Louisiana		0.252*** (0.052)	0.249*** (0.052)	0.198*** (0.052)	0.212*** (0.052)
Maine		-0.684*** (0.094)	-0.689*** (0.094)	-0.632*** (0.094)	-0.647*** (0.094)
Maryland		-0.496*** (0.054)	-0.495*** (0.054)	-0.401*** (0.054)	-0.377*** (0.054)
Massachusetts		-0.339*** (0.052)	-0.346*** (0.052)	-0.226*** (0.051)	-0.216*** (0.051)
Michigan		-0.250*** (0.048)	-0.254*** (0.048)	-0.257*** (0.047)	-0.258*** (0.047)
Minnesota		-0.471*** (0.055)	-0.481*** (0.055)	-0.399*** (0.054)	-0.382*** (0.054)

	Model 1	Model 2	Model 3	Model 4	Model 5
Mississippi		0.152** (0.056)	0.150** (0.056)	0.153** (0.056)	0.151** (0.056)
Missouri		-0.204*** (0.051)	-0.207*** (0.051)	-0.216*** (0.051)	-0.224*** (0.051)
Montana		-0.134 (0.085)	-0.133 (0.085)	-0.038 (0.085)	-0.046 (0.085)
Nebraska		-0.417*** (0.072)	-0.432*** (0.072)	-0.359*** (0.072)	-0.349*** (0.072)
Nevada		-0.594*** (0.067)	-0.573*** (0.067)	-0.604*** (0.067)	-0.616*** (0.067)
New Hampshire		-0.705*** (0.098)	-0.702*** (0.098)	-0.580*** (0.098)	-0.572*** (0.098)
New Jersey		-0.344*** (0.049)	-0.337*** (0.050)	-0.229*** (0.049)	-0.221*** (0.049)
New Mexico		-0.552*** (0.073)	-0.514*** (0.073)	-0.437*** (0.073)	-0.429*** (0.073)
New York		-0.519*** (0.045)	-0.517*** (0.045)	-0.468*** (0.045)	-0.475*** (0.045)
North Carolina		-0.137** (0.046)	-0.142** (0.046)	-0.101* (0.046)	-0.106* (0.046)
North Dakota		-0.174 (0.103)	-0.181 (0.104)	-0.051 (0.104)	-0.033 (0.104)
Ohio		0.036 (0.045)	0.033 (0.045)	0.014 (0.045)	0.003 (0.045)
Oklahoma		0.300*** (0.052)	0.300*** (0.052)	0.308*** (0.052)	0.312*** (0.052)
Oregon		-0.597*** (0.063)	-0.605*** (0.063)	-0.605*** (0.063)	-0.622*** (0.063)
Pennsylvania		-0.248*** (0.046)	-0.252*** (0.046)	-0.250*** (0.046)	-0.243*** (0.046)
Rhode Island		-0.483*** (0.100)	-0.472*** (0.100)	-0.420*** (0.099)	-0.425*** (0.099)
South Carolina		-0.173** (0.054)	-0.181*** (0.054)	-0.174** (0.054)	-0.182*** (0.054)
South Dakota		0.080 (0.081)	0.075 (0.081)	0.200* (0.081)	0.209* (0.081)
Tennessee		-0.179*** (0.050)	-0.184*** (0.050)	-0.191*** (0.049)	-0.202*** (0.049)
Texas		-0.068 (0.042)	-0.068 (0.042)	-0.018 (0.042)	0.004 (0.042)
Utah		-0.837*** (0.067)	-0.833*** (0.067)	-0.809*** (0.067)	-0.807*** (0.067)

	Model 1	Model 2	Model 3	Model 4	Model 5
Vermont		-0.673*** (0.146)	-0.674*** (0.146)	-0.546*** (0.145)	-0.551*** (0.145)
Virginia		-0.357*** (0.050)	-0.354*** (0.050)	-0.261*** (0.049)	-0.253*** (0.049)
Washington		-0.328*** (0.051)	-0.341*** (0.051)	-0.319*** (0.051)	-0.317*** (0.051)
West Virginia		-0.122 (0.068)	-0.123 (0.068)	-0.161* (0.068)	-0.173* (0.068)
Wisconsin		-0.586*** (0.057)	-0.586*** (0.057)	-0.544*** (0.057)	-0.534*** (0.057)
Wyoming		-0.056 (0.108)	-0.054 (0.109)	0.061 (0.108)	0.061 (0.108)
Location (ref. Indeterminable)					
Non-metro		0.069*** (0.018)	0.067*** (0.018)	0.057** (0.018)	0.058** (0.018)
Central city		-0.102*** (0.020)	-0.136*** (0.020)	-0.034 (0.020)	-0.054** (0.020)
Metro non-central		-0.383*** (0.017)	-0.381*** (0.017)	-0.234*** (0.017)	-0.214*** (0.017)
Metro indeterminable		-0.278*** (0.016)	-0.291*** (0.016)	-0.167*** (0.016)	-0.162*** (0.016)
Female		-0.416*** (0.009)	-0.415*** (0.009)	-0.418*** (0.009)	-0.419*** (0.009)
Year x 1st grade		-0.007 (0.009)	-0.008 (0.009)	-0.009 (0.009)	-0.009 (0.009)
Year x 2nd grade		-0.010 (0.009)	-0.011 (0.009)	-0.013 (0.009)	-0.013 (0.009)
Year x 3rd grade		-0.026** (0.009)	-0.026** (0.009)	-0.028** (0.009)	-0.029*** (0.009)
Year x 4th grade		-0.023** (0.009)	-0.023** (0.009)	-0.025** (0.009)	-0.025** (0.009)
Year x 5th grade		-0.035*** (0.009)	-0.033*** (0.009)	-0.035*** (0.009)	-0.036*** (0.009)
Year x 6th grade		-0.036*** (0.008)	-0.035*** (0.008)	-0.035*** (0.008)	-0.036*** (0.008)
Year x 7th grade		-0.046*** (0.008)	-0.045*** (0.008)	-0.045*** (0.008)	-0.046*** (0.009)
Year x 8th grade		-0.062*** (0.009)	-0.061*** (0.009)	-0.061*** (0.009)	-0.062*** (0.009)
Year x 9th grade		-0.060*** (0.008)	-0.058*** (0.008)	-0.059*** (0.008)	-0.060*** (0.008)

	Model 1	Model 2	Model 3	Model 4	Model 5
Year x 10th grade		-0.059*** (0.008)	-0.058*** (0.008)	-0.058*** (0.008)	-0.060*** (0.008)
Year x 11th grade		-0.043*** (0.008)	-0.041*** (0.009)	-0.041*** (0.009)	-0.042*** (0.009)
Year x 12th grade		-0.046*** (0.009)	-0.044*** (0.009)	-0.045*** (0.009)	-0.046*** (0.009)
Foreign-born			0.528*** (0.019)	0.635*** (0.019)	0.572*** (0.019)
Mother foreign-born			-0.176*** (0.019)	-0.211*** (0.020)	-0.207*** (0.020)
Father foreign-born			-0.037 (0.019)	-0.105*** (0.020)	-0.105*** (0.020)
English proficiency (ref. none)					
Speaks English somewhat			-0.158 (0.092)	-0.184* (0.090)	-0.164 (0.090)
Speaks English well			-0.511*** (0.088)	-0.512*** (0.085)	-0.476*** (0.085)
Mother's English proficiency (ref. none)					
Mother speaks somewhat			-0.230*** (0.028)	-0.152*** (0.028)	-0.152*** (0.028)
Mother speaks well			-0.515*** (0.031)	-0.144*** (0.030)	-0.132*** (0.030)
Father's English proficiency (ref. none)					
Father speaks somewhat			-0.052 (0.034)	-0.024 (0.033)	-0.007 (0.033)
Father speaks well			-0.266*** (0.035)	-0.066 (0.035)	-0.033 (0.034)
Mother's highest degree (ref. none)					
Mother High school diploma				-0.466*** (0.017)	-0.437*** (0.016)
Mother AA degree				-0.739*** (0.022)	-0.679*** (0.022)
Mother BA degree				-0.919*** (0.021)	-0.824*** (0.021)
Mother Grad degree				-1.073*** (0.024)	-0.946*** (0.025)
Father's highest degree (ref. none)					

	Model 1	Model 2	Model 3	Model 4	Model 5
Father High school diploma				-0.300*** (0.015)	-0.273*** (0.015)
Father AA degree				-0.488*** (0.023)	-0.434*** (0.023)
Father BA degree				-0.539*** (0.020)	-0.449*** (0.020)
Father Grad degree				-0.514*** (0.023)	-0.397*** (0.023)
Family income (10K USD, sq. root)					-0.073*** (0.005)
Owns home					-0.206*** (0.012)
parents married					0.032 (0.018)
N	2603331	2603331	2603331	2603331	2603331
Null deviance	854985	854985	854985	854985	854985
Model deviance	849614	827977	823085	809432	807977
Pseudo-R2	0.006	0.032	0.037	0.053	0.055

\*\*\* $p < 0.001$ ; \*\* $p < 0.01$ ; \* $p < 0.05$



Table 2: Probability of being clearly behind expected grade by race and current grade.

Race	K	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th	11th	12th
White	2.18%	2.95%	2.96%	3.52%	3.61%	3.43%	4.04%	3.67%	3.81%	4.09%	3.98%	3.79%	3.75%
Black	1.56%	2.97%	3.55%	4.19%	4.87%	5.15%	6.57%	5.81%	5.95%	7.35%	7.44%	7.17%	9.06%
Indigenous	3.12%	6.33%	7.20%	7.94%	7.59%	6.26%	8.33%	5.51%	6.42%	10.53%	12.81%	9.48%	13.04%
Asian	1.68%	2.02%	2.01%	1.63%	1.97%	1.94%	2.72%	2.46%	2.36%	3.36%	3.73%	3.94%	4.56%
Latino	2.00%	3.37%	3.62%	4.58%	4.48%	4.36%	5.66%	5.41%	5.60%	7.09%	7.08%	6.46%	8.52%
Black/White	1.66%	3.52%	2.62%	3.08%	3.40%	3.51%	4.34%	4.73%	4.29%	4.87%	5.79%	5.11%	5.78%
Black/Indigenous	1.81%	2.37%	0.37%	5.03%	5.74%	10.36%	4.87%	9.11%	5.45%	14.79%	5.37%	11.38%	4.43%
Black/Latino	1.14%	3.38%	3.66%	2.53%	4.24%	4.06%	5.73%	3.83%	4.23%	4.41%	3.80%	6.50%	6.36%
Black/Asian	1.01%	2.28%	2.57%	4.21%	3.30%	1.71%	5.94%	1.73%	1.08%	3.81%	4.22%	7.32%	1.83%
White/Indigenous	1.20%	3.85%	3.28%	3.97%	4.64%	5.16%	8.44%	7.03%	6.09%	6.86%	5.74%	5.70%	7.03%
White/Latino	1.67%	2.31%	2.85%	2.91%	3.04%	2.83%	3.60%	3.59%	3.16%	3.96%	3.42%	4.22%	4.49%
White/Asian	1.35%	1.96%	1.29%	1.96%	1.61%	1.32%	1.83%	1.71%	1.75%	2.14%	2.19%	2.10%	3.36%
Indigenous/Latino	2.94%	2.02%	2.31%	5.15%	4.56%	5.46%	5.74%	8.93%	7.58%	6.15%	5.15%	8.64%	10.46%
Indigenous/Asian	0.84%	4.96%	0.95%	5.36%	5.16%	2.38%	0.00%	1.01%	3.67%	8.78%	0.00%	0.00%	0.00%
Latino/Asian	0.91%	1.24%	2.86%	2.60%	2.13%	1.63%	4.31%	2.97%	1.95%	2.01%	2.26%	4.20%	4.10%

Table 3: Bayesian Information Criterion (BIC) statistics for models accounting for change over time using different specifications. All models also include categorical dummy variables for race, grade, state, and location.

Model	BIC Score
Categorical year dummies, no interaction	849835.4
Continuous year variable, no interaction	836742.0
Categorical year dummies, year * grade interaction	835663.7
Continuous year variable, year * grade interaction	835561.7
Continuous year variable, year * grade interaction + year * state interaction	835457.6

Table 4: Marginal probabilities of being clearly behind expected grade by racial group across models using different specifications to model the the temporal trend in grade retention by current grade of the student.

Race	No Co- variates	Sensitivity tests on calendar year x grade coding				
		Year as dummy	Year as linear	Year (dummy) x Grade	Year (linear) x Grade	Year (linear) x Grade and State
White	3.514%	3.393%	3.393%	3.393%	3.393%	3.393%
Black	5.453%	4.875%	4.875%	4.873%	4.873%	4.871%
Indigenous	7.856%	7.852%	7.849%	7.866%	7.856%	7.857%
Asian	2.562%	3.026%	3.026%	3.026%	3.026%	3.027%
Latino	5.105%	5.575%	5.575%	5.579%	5.580%	5.580%
Black/White	3.858%	3.766%	3.766%	3.764%	3.763%	3.764%
Black/Indigenous	5.958%	5.943%	5.949%	5.922%	5.935%	5.935%
Black/Latino	3.931%	4.091%	4.091%	4.090%	4.089%	4.098%
Black/Asian	2.978%	3.307%	3.306%	3.309%	3.311%	3.312%
White/Indigenous	5.246%	4.483%	4.484%	4.479%	4.482%	4.489%
White/Latino	3.135%	3.336%	3.335%	3.335%	3.335%	3.335%
White/Asian	1.817%	2.088%	2.088%	2.089%	2.088%	2.089%
Indigenous/Latino	5.247%	5.941%	5.942%	5.951%	5.948%	5.959%
Indigenous/Asian	2.601%	3.085%	3.081%	3.084%	3.080%	3.079%
Latino/Asian	2.432%	3.175%	3.175%	3.175%	3.174%	3.181%

*Note:*

All models except no covariate case include dummies for current grade and state

Table 5: Socioeconomic resources by race. Shading indicates biracial group. All results apply survey weights.

race	mean family income	% own home	% parents married	% father, no HS diploma	% father, HS diploma	% father, AA degree	% father, BA+ degree	% mother, no HS diploma	% mother, HS diploma	% mother, AA degree	% mother, BA+ degree
White	136,953	83.3	95.2	5.3	42.4	8.6	43.6	3.6	37.9	11.8	46.7
Black	87,159	53.9	86.6	9.1	57.0	8.8	25.1	8.0	48.9	12.1	30.9
Indigenous	63,115	50.7	81.5	15.3	67.7	8.2	8.8	12.9	61.7	12.3	13.2
Asian	141,982	72.4	98.1	10.9	23.6	5.9	59.6	12.1	24.1	7.1	56.7
Latino	62,226	50.2	87.9	46.8	40.8	3.9	8.5	42.2	42.2	5.2	10.4
Black/White	94,841	57.6	80.2	8.0	55.9	8.9	27.1	5.7	50.1	12.3	31.9
Black/Indigenous	76,097	44.7	76.2	7.9	58.7	11.9	21.5	8.7	62.6	9.4	19.3
Black/Latino	86,825	47.2	79.7	8.0	58.0	10.6	23.4	7.7	54.4	12.1	25.8
Black/Asian	131,156	64.6	90.9	4.1	46.4	10.2	39.4	3.2	42.6	10.0	44.3
White/Indigenous	97,664	70.7	89.0	8.5	57.6	9.7	24.2	5.5	53.0	13.4	28.2
White/Latino	125,805	73.0	91.7	8.1	46.9	8.9	36.1	5.2	44.6	11.4	38.8
White/Asian	187,049	85.2	96.8	1.3	25.7	7.5	65.5	2.3	24.7	9.2	63.9
Indigenous/Latino	72,164	47.8	79.7	21.3	60.4	8.3	10.0	13.3	60.3	11.9	14.4
Indigenous/Asian	100,783	56.1	91.4	13.0	56.1	8.3	22.6	6.7	56.1	8.5	28.8
Latino/Asian	130,330	70.3	91.3	5.3	42.0	12.2	40.5	5.1	38.7	12.8	43.4

Table 6: Cultural resources by race. Shading indicates biracial group. All results apply survey weights.

race	% foreign-born	% father foreign-born	% mother foreign-born	% speak no English	% speak some English	% speak English	% father speak no English	% father speak some English	% father speak English	% mother speak no English	% mother speak some English	% mother speak English
White	1.9	6.9	6.7	0.0	0.3	99.6	0.1	0.5	99.4	0.1	0.6	99.2
Black	6.4	25.1	24.4	0.0	0.5	99.4	0.2	1.6	98.2	0.5	2.7	96.8
Indigenous	7.1	22.0	20.8	0.0	0.8	99.2	0.1	2.2	97.7	0.4	2.2	97.5
Asian	21.9	92.8	93.1	0.2	3.3	96.5	2.0	12.3	85.7	2.8	16.8	80.4
Latino	11.6	76.4	73.1	0.4	3.1	96.4	8.0	24.6	67.4	14.1	27.1	58.8
Black/White	2.0	10.0	9.2	0.0	0.2	99.8	0.0	0.1	99.9	0.0	0.1	99.8
Black/Indigenous	3.9	8.8	17.1	0.0	0.0	100.0	0.0	0.0	100.0	0.0	0.1	99.9
Black/Latino	2.0	15.2	22.0	0.0	1.1	98.9	0.1	0.5	99.4	0.2	0.8	99.0
Black/Asian	7.3	27.9	72.0	0.0	0.5	99.4	0.0	0.5	99.5	0.0	1.2	98.8
White/Indigenous	1.1	5.6	4.6	0.0	0.2	99.8	0.0	0.1	99.9	0.0	0.0	100.0
White/Latino	2.0	18.5	18.0	0.0	0.7	99.3	0.1	0.8	99.1	0.1	0.7	99.2
White/Asian	6.2	24.7	56.7	0.0	0.6	99.4	0.1	0.3	99.7	0.0	0.9	99.1
Indigenous/Latino	1.1	23.3	10.0	0.0	0.7	99.3	0.0	1.4	98.6	0.0	1.1	98.9
Indigenous/Asian	9.9	38.6	55.5	0.0	0.0	100.0	1.4	1.2	97.4	0.2	1.3	98.6
Latino/Asian	4.5	44.7	53.7	0.0	0.5	99.5	0.2	1.4	98.5	0.1	2.2	97.8

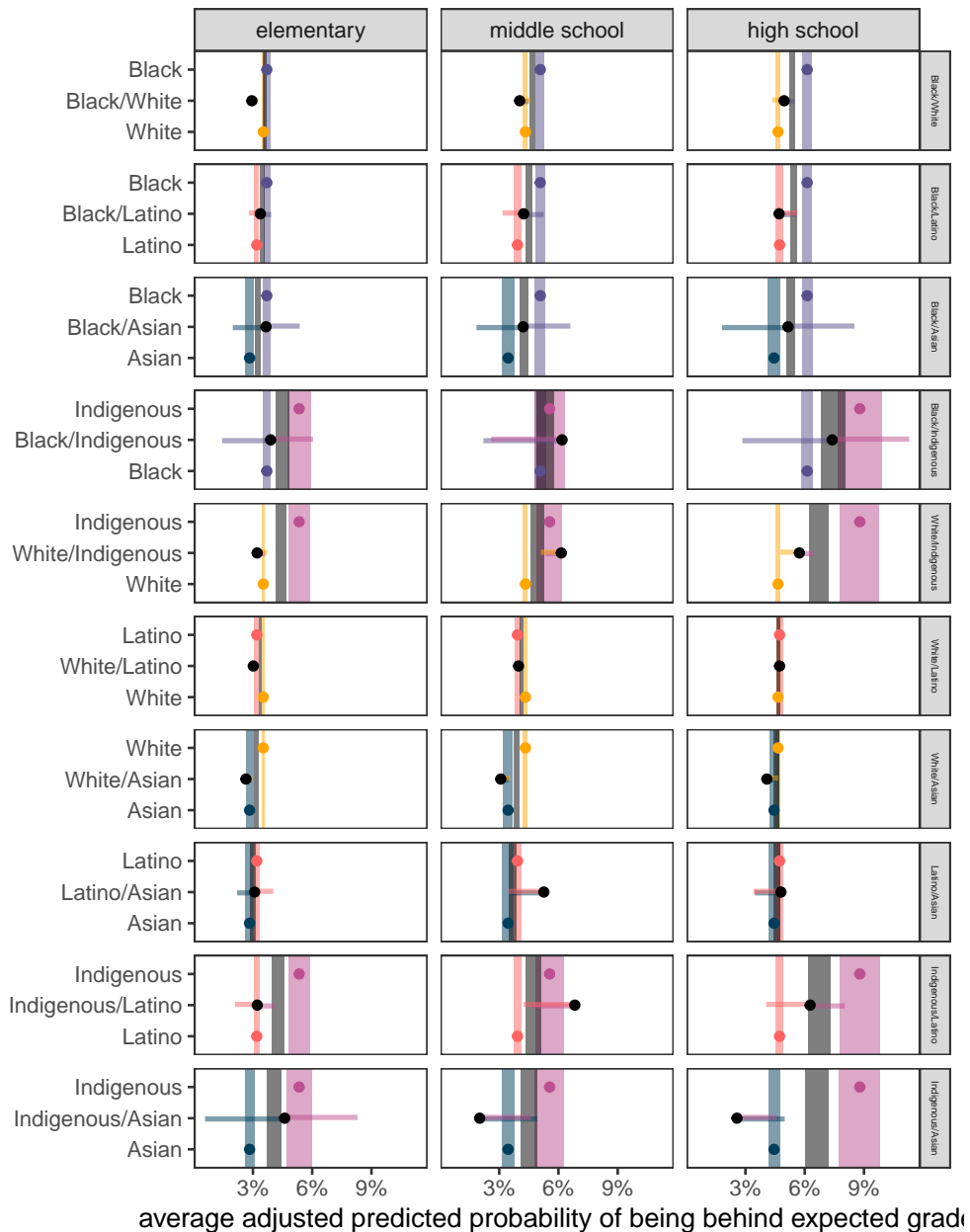


Figure 1: Probability of being clearly behind expected grade for biracial respondents, in comparison to their monoracial comparison groups, separately by elementary (not including kindergarten), middle school, and high school. Non-overlap in color corresponding confidence bands indicates statistically significant difference at the 5% level. Baseline model includes year, grade, location, and state fixed effects. Full models include control variables for nativity, English proficiency, income, education, home ownership, and marital status of parents.