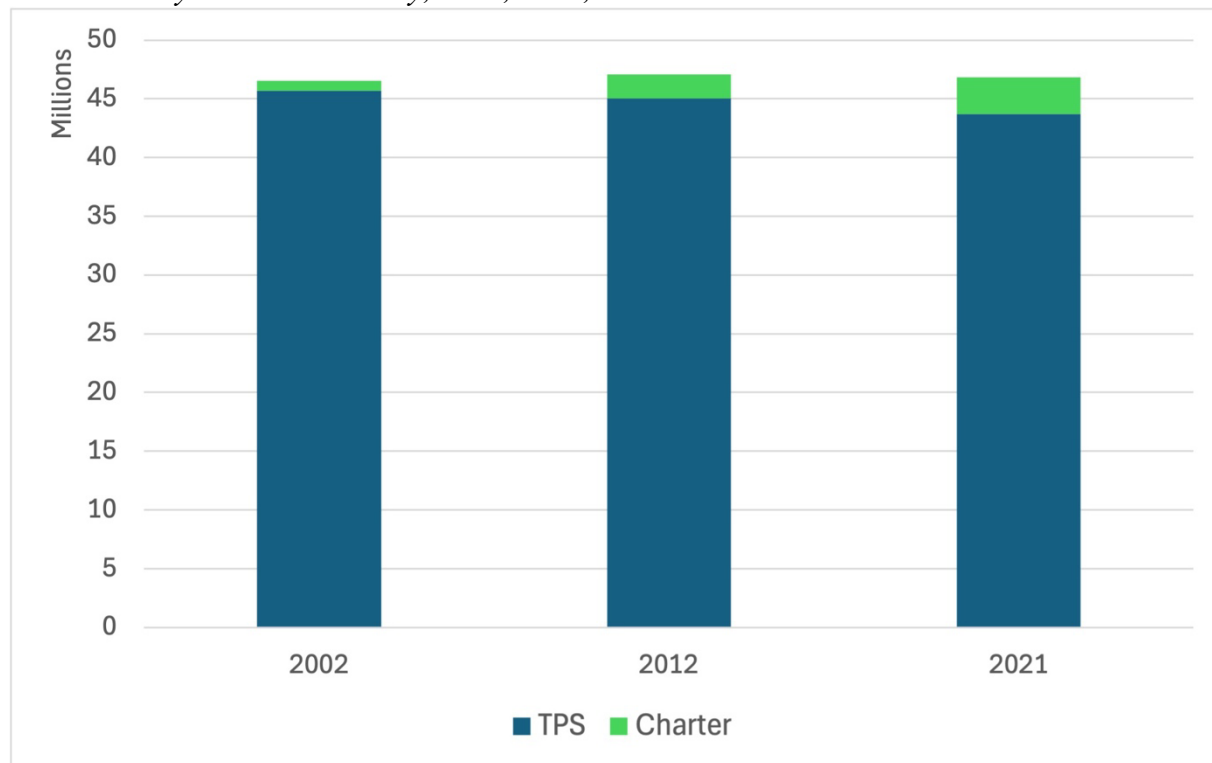


Appendix

Figure A1

Enrollment by Sector Nationally, 2002, 2012, and 2021



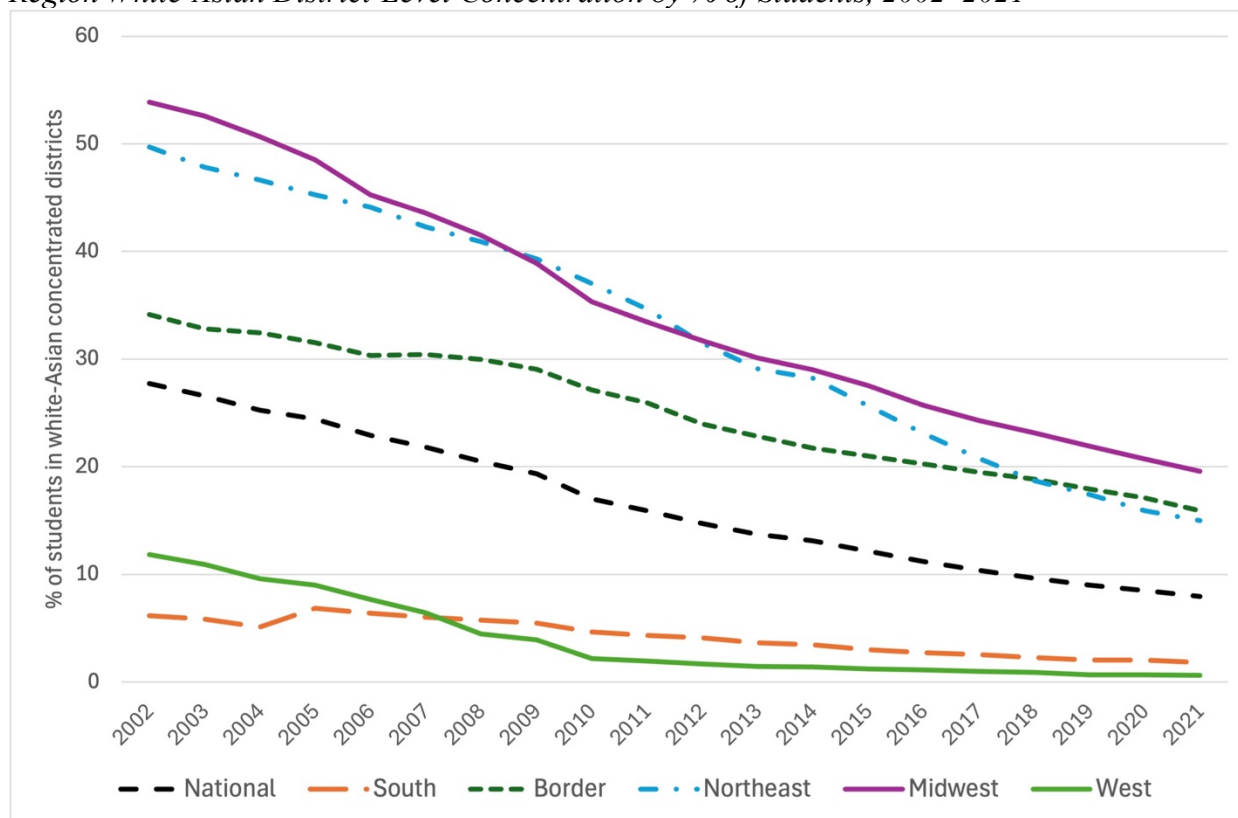
Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A1

Enrollment percent change by racial group 2002–2021, regionally

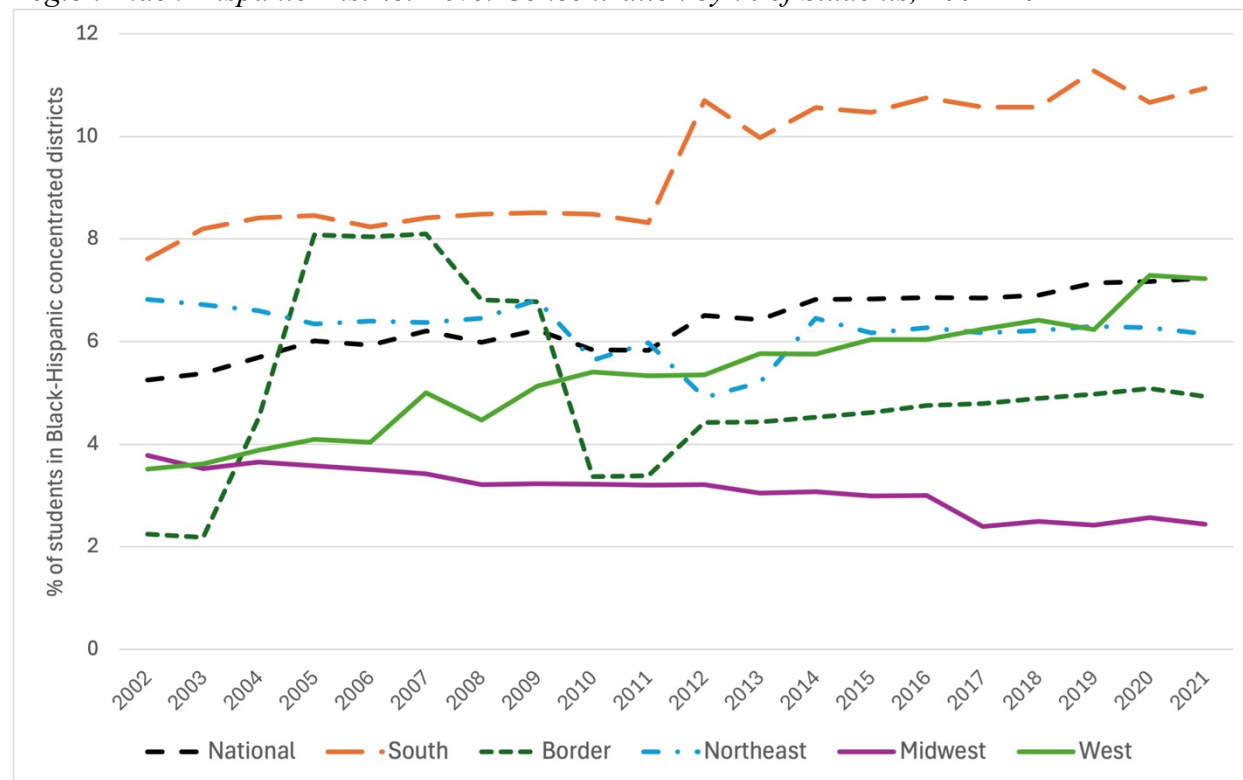
	% change enrollment	% change White	% change Black	% change Hispanic	% change Asian	% change Amer. Indian
National	2.69	-21.69	-9.81	62.78	26.83	-24.32
South	20.48	-9.34	1.06	91.69	97.10	5.60
Border	1.59	-18.63	-9.11	239.41	54.82	-28.10
Northeast	-10.24	-31.57	-21.04	63.56	44.11	16.46
Midwest	-8.73	-23.44	-19.30	92.53	44.16	-28.02
West	0.98	-26.44	-27.65	30.11	1.13	-32.19

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data. Tennessee is excluded from the 2002 total enrollment nationally and in the South.

Figure A2*Region White-Asian District-Level Concentration by % of Students, 2002–2021*

Notes. Tennessee is excluded from the denominator for National and South from 2002-2004. Single-charter districts are excluded.

Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

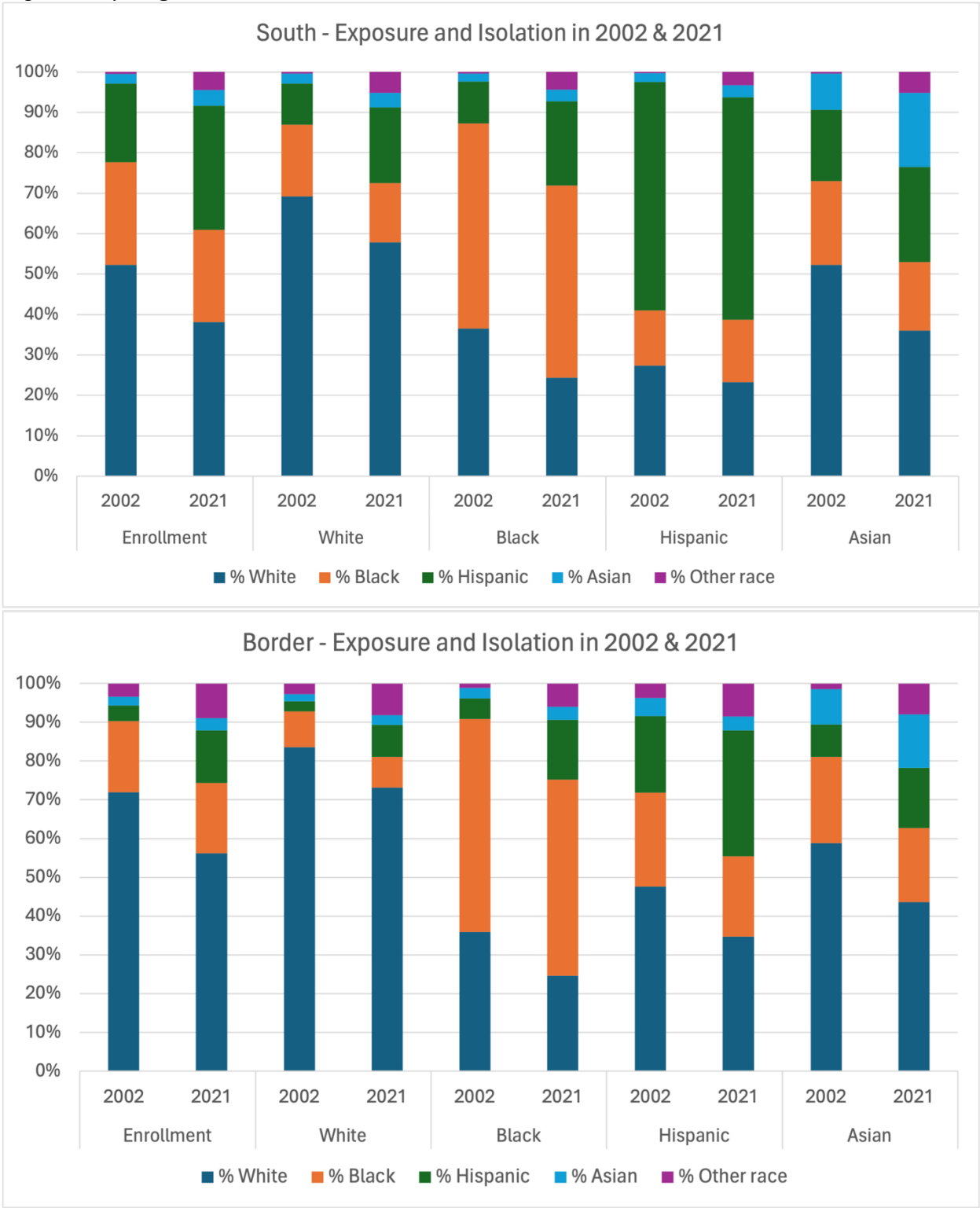
Figure A3*Region Black-Hispanic District-Level Concentration by % of Students, 2002–2021*

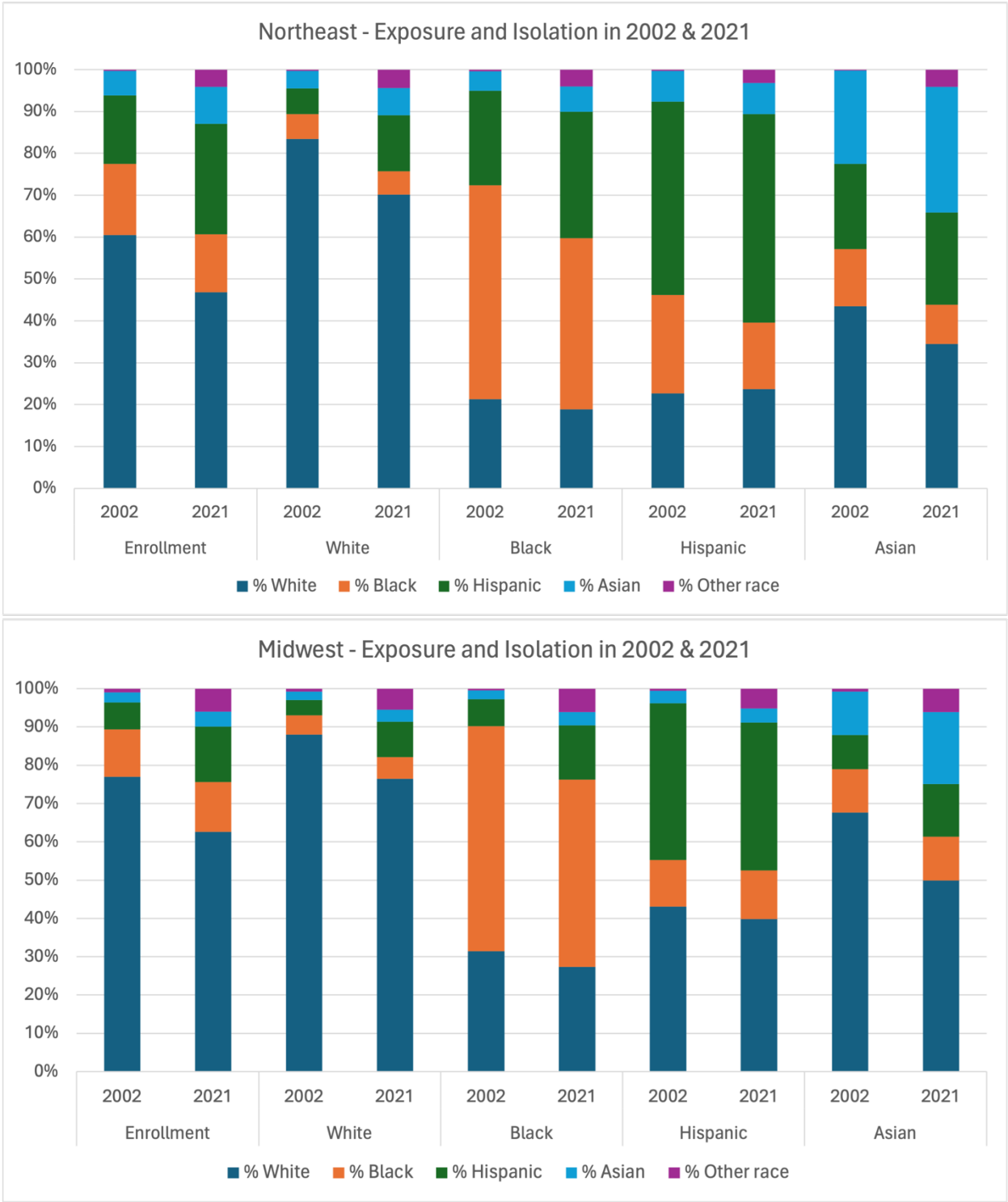
Notes. Tennessee is excluded from the denominator for National and South from 2002-2004. Single-charter districts are excluded. The jumps in Border region % of students are caused by two Maryland districts coming in and out of the 90%+ category. The 2011–2012 jump in the South is caused by Miami-Dade district entering the 90%+ category.

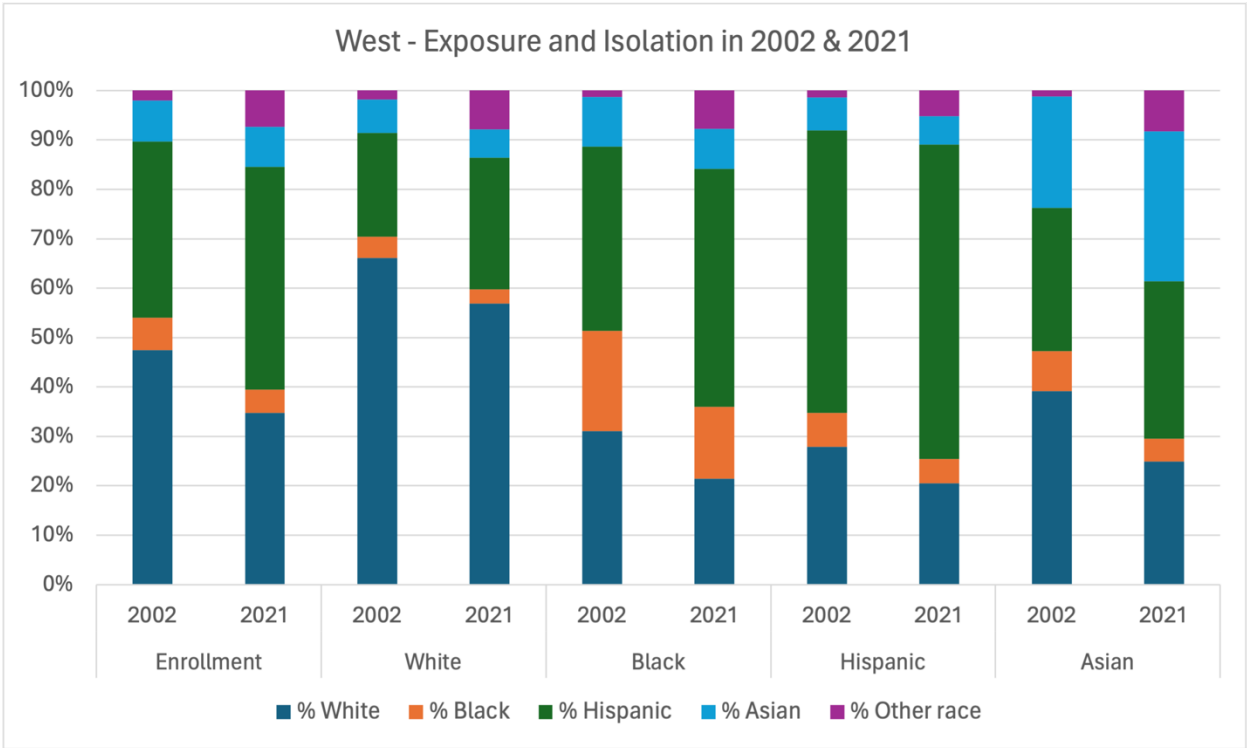
Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Figure A4

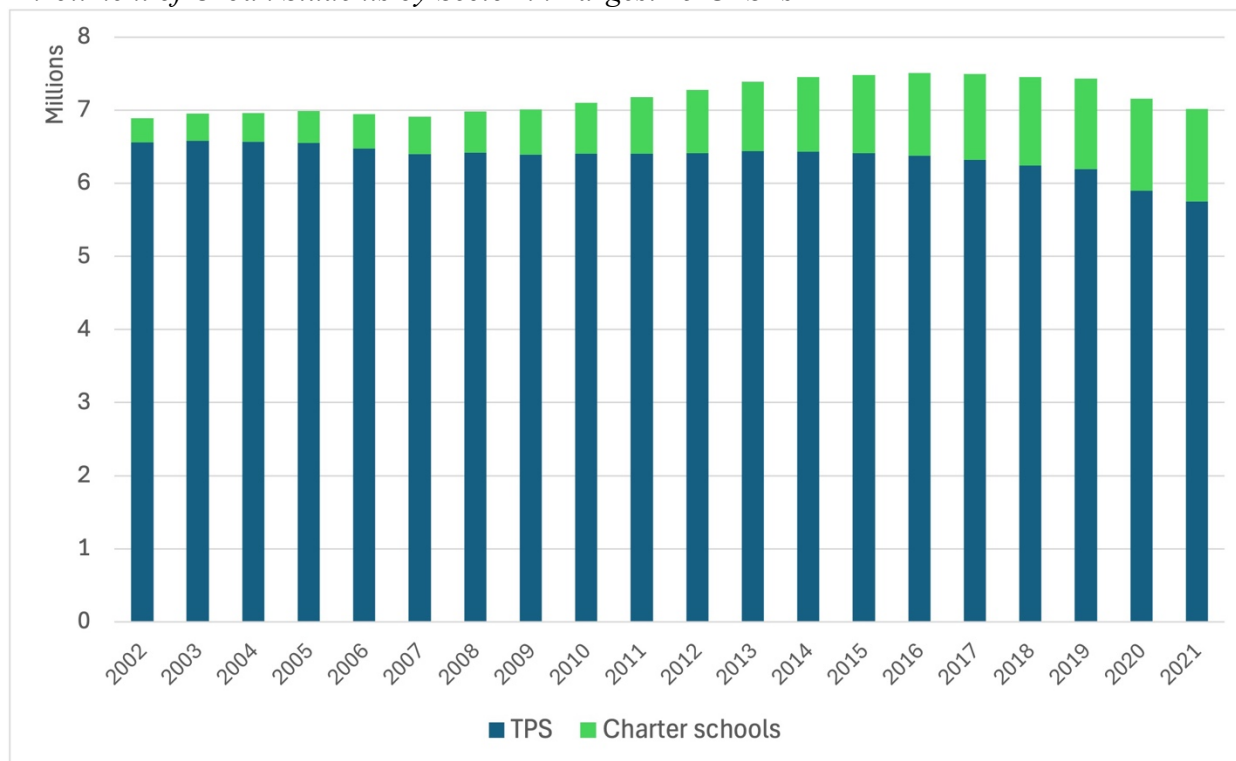
Exposure by Region, 2002 and 2021







Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Figure A5*Enrollment of Urban Students by Sector in Largest 25 CBSAs*

Notes. Source: NCES CCD Public Elementary/Secondary Universe School Survey Data.

Table A2

Enrollment and Racial Composition of Students in Urban Districts, Largest 25 Metros, 2002, 2012, and 2021

	Year	Enrollment	% White	% Black	% Hispanic	% Asian	% Other race
South							
Atlanta-Sandy Springs- Alpharetta, GA	2002	43,392	13.58	78.16	7.00	1.17	0.09
	2012	57,492	14.78	71.99	10.22	1.12	1.89
	2021	61,316	16.19	67.09	12.09	1.18	3.46
Charlotte-Concord-Gastonia, NC-SC	2002	138,259	51.48	37.32	6.98	3.55	0.67
	2012	192,258	38.19	37.72	16.34	4.53	3.22
	2021	206,215	29.23	35.05	24.60	6.84	4.29
Dallas-Fort Worth-Arlington, TX	2002	484,848	32.15	23.36	39.43	4.68	0.38
	2012	570,867	22.53	20.41	49.48	5.30	2.27
	2021	596,929	18.38	20.91	51.86	5.57	3.27
Houston-The Woodlands-Sugar Town, TX	2002	324,014	20.03	25.00	50.10	4.75	0.13
	2012	388,721	15.94	21.06	56.55	4.84	1.61
	2021	429,378	14.46	19.88	58.28	4.95	2.43
Miami-Fort Lauderdale-Pompano Beach, FL	2002	355,812	10.72	29.15	58.85	1.19	0.09
	2012	348,040	8.05	23.15	67.01	1.16	0.63
	2021	320,196	6.36	18.10	73.77	1.09	0.69
Orlando-Kissimmee-Sanford, FL	2002	153,295	42.05	27.88	25.83	3.85	0.38
	2012	177,099	30.84	26.66	34.96	4.57	2.97
	2021	196,930	24.91	24.03	43.30	4.69	3.07
San Antonio-New Braunfels, TX	2002	219,230	25.17	7.22	65.87	1.57	0.17
	2012	278,612	16.78	5.97	72.96	2.04	2.25
	2021	288,983	15.39	6.49	72.18	2.95	2.99
Tampa-St Petersburg-Clearwater, FL	2002	103,216	72.10	18.38	6.01	3.26	0.26
	2012	99,374	59.17	18.33	13.92	4.19	4.38
	2021	91,164	52.12	18.87	19.14	4.13	5.73
Border							
Baltimore-Columbia-Towson, MD	2002	68,611	11.14	86.45	1.39	0.72	0.30
	2012	79,681	8.12	84.32	5.50	1.07	1.00
	2021	74,317	7.45	73.96	15.83	0.80	1.93
Washington-Arlington-	2002	78,151	17.16	58.37	19.84	4.51	0.11
	2012	103,743	19.41	54.21	19.99	3.63	2.76

Alexandria, DC-VA-MD- WV	2021	127,960	21.38	48.26	22.44	3.50	4.39
Northeast							
Boston- Cambridge- Newton, MA- NH	2002	74,872	36.03	32.75	21.30	9.55	0.37
	2012	92,540	28.08	29.12	30.36	8.93	3.30
	2021	92,452	25.02	25.77	35.55	8.76	4.80
New York- Newark-Jersey City, NY-NJ- PA	2002	1,084,092	14.88	34.43	37.96	12.30	0.40
	2012	1,113,229	13.77	29.32	40.01	14.50	1.54
	2021	1,065,350	13.49	25.64	42.16	15.31	3.40
Philadelphia- Camden- Wilmington, PA-NJ-DE-MD	2002	174,094	17.82	59.37	17.31	5.34	0.16
	2012	201,089	14.14	54.28	20.55	6.31	3.58
	2021	204,657	13.22	49.54	26.23	7.02	3.99
Midwest							
Chicago- Naperville- Elgin, IL-IN- WI	2002	467,437	19.99	39.84	34.56	5.43	0.18
	2012	476,550	15.89	35.15	41.00	5.51	2.44
	2021	422,652	16.40	32.15	41.61	6.86	2.96
Detroit-Warren- Dearborn, MI	2002	289,729	30.00	62.68	4.04	2.64	0.55
	2012	215,401	33.60	53.27	6.61	4.77	1.75
	2021	188,814	30.81	50.77	8.50	7.15	2.77
Minneapolis-St Paul- Bloomington, MN-WI	2002	121,307	54.84	21.12	7.66	14.72	1.66
	2012	145,071	44.60	23.70	11.17	16.33	4.21
	2021	151,462	37.96	24.52	13.04	16.88	7.60
St Louis, MO- IL	2002	34,568	29.40	67.33	1.69	1.44	0.14
	2012	39,930	21.67	70.55	4.88	1.99	0.92
	2021	34,584	21.27	65.75	7.50	2.16	3.31
West							
Denver-Aurora- Lakewood, CO	2002	153,452	38.91	16.47	39.30	4.35	0.97
	2012	187,042	30.19	13.43	47.00	4.79	4.59
	2021	190,526	29.36	13.08	45.82	4.96	6.79
Los Angeles- Long Beach- Anaheim, CA	2002	1,150,392	16.89	9.99	62.94	9.73	0.32
	2012	1,043,364	14.87	7.75	65.11	10.02	2.24
	2021	863,423	14.54	5.83	64.81	10.48	4.31
Phoenix-Mesa- Chandler, AZ	2002	378,023	48.21	6.00	40.37	2.48	2.94
	2012	429,310	37.82	6.58	47.08	3.81	4.69
	2021	416,478	31.64	7.26	49.91	4.53	6.66
Portland- Vancouver-	2002	162,064	70.89	6.84	11.41	8.94	1.36
	2012	177,711	56.04	5.37	21.59	8.85	8.16

Hillsboro, OR- WA	2021	162,003	48.53	5.07	25.98	8.77	11.24
Riverside-San	2002	225,694	32.94	10.23	50.47	5.38	0.72
Bernadino-	2012	244,792	23.13	7.33	59.37	6.18	3.97
Ontario, CA	2021	230,755	17.99	6.11	63.95	7.23	4.68
San Diego-	2002	270,877	31.74	9.44	42.73	15.25	0.48
Carlsbad-San	2012	271,879	26.82	6.30	47.46	14.46	4.95
Marcos, CA	2021	255,097	24.85	4.76	47.28	14.32	8.74
San Francisco-	2002	176,737	21.60	20.01	26.91	29.13	0.48
Oakland-	2012	175,816	19.12	12.34	34.01	24.71	9.83
Fremont, CA	2021	172,482	17.42	9.07	38.73	24.42	10.28
Seattle-	2002	156,451	58.47	13.76	8.85	16.98	1.93
Tacoma-	2012	170,233	44.88	13.36	16.11	17.18	8.48
Bellevue, WA	2021	171,407	35.97	11.29	20.05	18.48	13.87

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A3

Schools, Districts, and Percent of Metro Enrollment in Urban Districts, Largest 25 Metros, 2002, 2012, and 2021

	Year	% CBSA students in urban districts	Trad. districts	Real charter districts	Trad. schools	Charter schools	% of urban students who are charter
South							
Atlanta-Sandy Springs-Alpharetta, GA	2002	5.95	2		56	12	19.35
	2012	6.04	2		83	26	24.09
	2021	6.24	2		66	37	34.93
Charlotte-Concord-Gastonia, NC-SC	2002	47.45	3		164	6	1.01
	2012	50.21	3		216	11	2.33
	2021	49.59	3		235	29	7.85
Dallas-Fort Worth-Arlington, TX	2002	49.61	11	5	578	41	3.38
	2012	45.47	11	26	686	108	7.92
	2021	42.59	11	31	704	189	16.16
Houston-The Woodlands-Sugar Town, TX	2002	35.03	5	3	346	45	5.38
	2012	32.58	5	24	379	133	13.95
	2021	31.80	5	28	403	192	22.26
Miami-Fort Lauderdale-Pompano Beach, FL	2002	45.97	1		290	15	1.65
	2012	44.97	1		326	113	13.03
	2021	42.48	1		329	132	23.10
Orlando-Kissimmee-Sanford, FL	2002	53.86	1		145	5	0.55
	2012	52.87	1		180	17	2.75
	2021	52.45	1		200	25	6.34
San Antonio-New Braunfels, TX	2002	67.85	8	2	226	49	11.39
	2012	66.46	8	11	277	82	12.55
	2021	64.06	8	17	290	155	23.72
Tampa-St Petersburg-Clearwater, FL	2002	30.68	1		106	3	0.25
	2012	26.23	1		110	16	3.96
	2021	22.64	1		114	17	7.23
Border							
	2002	18.69	1		116	16	7.82
	2012	20.87	1		132	44	19.97

Baltimore-Columbia-Towson, MD	2021	19.09	1		110	35	20.83
Washington-Arlington-Alexandria, DC-VA-MD-WV	2002	10.24	3		137	22	8.55
	2012	11.73	3	12	150	81	26.55
	2021	13.52	3	15	160	116	30.12
Northeast							
Boston-Cambridge-Newton, MA-NH	2002	12.97	5		140	15	5.89
	2012	14.75	5		163	29	10.95
	2021	15.37	5		161	25	17.90
New York-Newark-Jersey City, NY-NJ-PA	2002	41.78	36		1209	38	1.09
	2012	42.02	36		1646	196	6.76
	2021	42.25	36		1633	305	16.02
Philadelphia-Camden-Wilmington, PA-NJ-DE-MD	2002	23.21	2		208	51	12.68
	2012	24.87	2		229	107	14.65
	2021	25.37	2		231	104	40.45
Midwest							
Chicago-Naperville-Elgin, IL-IN-WI	2002	32.67	15		574	11	1.17
	2012	31.21	15		647	49	11.21
	2021	30.19	15	1	639	129	14.18
Detroit-Warren-Dearborn, MI	2002	43.05	14	4	397	49	7.84
	2012	34.88	14	24	266	130	27.53
	2021	34.06	14	28	260	131	29.31
Minneapolis-St Paul-Bloomington, MN-WI	2002	25.79	8	1	163	28	3.97
	2012	27.45	8	9	174	84	15.35
	2021	28.28	8	37	187	145	24.37
St Louis, MO-IL	2002	9.02	2		72		
	2012	10.00	2	4	81	22	21.15
	2021	9.11	2	7	70	37	34.46
West							
Denver-Aurora-Lakewood, CO	2002	42.01	5		228	8	1.63
	2012	43.81	5	1	245	54	12.08
	2021	45.33	5	1	258	85	18.41
Los Angeles-Long Beach-	2002	53.16	18		931	111	9.07
	2012	52.51	18	2	1070	294	15.81

Anaheim, CA	2021	50.97	18		1066	318	18.91
Phoenix-	2002	65.67	24	12	383	148	10.68
Mesa-	2012	58.00	24	26	412	251	17.99
Chandler, AZ	2021	53.90	24	24	408	283	24.74
Portland-	2002	55.34	8		239	4	0.20
Vancouver-	2012	54.30	8		258	13	1.37
Hillsboro, OR-WA	2021	53.47	8		266	10	1.64
Riverside-	2002	31.20	8		216	3	0.18
San	2012	30.54	8		252	19	4.36
Bernadino-Ontario, CA	2021	29.26	8		260	24	8.60
San Diego-	2002	56.32	9		280	31	6.24
Carlsbad-San	2012	56.97	9		312	54	9.46
Marcos, CA	2021	55.66	9		315	63	14.64
San	2002	32.54	11		290	27	3.58
Francisco-	2012	31.63	11		291	60	10.28
Oakland-							
Fremont, CA	2021	32.03	11		286	61	14.86
Seattle-	2002	34.64	7		257		
Tacoma-	2012	35.03	7		277		
Bellevue, WA	2021	34.46	7		299	5	0.80

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A4*Urban School-Level White Student Exposure and Isolation, Largest 25 Metros, 2002 and 2021*

Metro	Year	White isolation	Mean White exposure to			
			Black	Hispanic	Asian	Other race
Atlanta	2002	48.87	38.17	10.49	2.26	0.21
	2021	42.98	32.65	15.27	2.79	6.32
Baltimore	2002	46.44	47.18	3.70	1.91	0.77
	2021	24.47	50.16	19.01	2.10	4.20
Boston	2002	60.32	16.22	13.13	10.07	0.26
	2021	43.76	13.00	24.84	11.96	6.28
Charlotte	2002	63.86	26.95	5.38	3.20	0.59
	2021	46.83	23.49	17.27	7.67	4.75
Chicago	2002	53.70	12.09	22.66	11.31	0.24
	2021	41.66	10.21	29.02	13.62	5.45
Dallas-Ft Worth	2002	58.66	13.28	20.54	7.07	0.45
	2021	38.60	15.12	33.44	8.06	4.78
Denver	2002	60.76	13.19	19.69	5.59	0.78
	2021	48.00	10.67	27.12	6.22	7.99
Detroit	2002	80.57	9.94	3.27	5.45	0.69
	2021	69.10	12.58	4.98	9.88	3.46
Houston	2002	55.05	11.72	27.09	5.87	0.27
	2021	38.44	11.78	37.77	7.85	4.16
Los Angeles	2002	43.88	6.49	32.67	16.16	0.45
	2021	37.72	3.96	35.47	15.35	7.45
Miami	2002	23.69	17.01	57.10	2.05	0.15
	2021	19.98	9.68	67.45	1.68	1.21
Minneapolis- St Paul	2002	72.06	12.17	4.76	9.82	1.18
	2021	58.23	14.25	9.94	9.60	7.98
New York	2002	43.60	14.66	24.08	17.35	0.31
	2021	35.68	10.86	28.87	20.23	4.36
Orlando	2002	52.93	18.58	23.98	4.12	0.38
	2021	35.46	15.19	40.15	5.51	3.68
Philadelphia	2002	48.31	32.07	11.39	8.00	0.23
	2021	38.19	23.94	18.95	13.05	5.87
Phoenix	2002	68.43	4.52	21.63	3.04	2.37
	2021	52.20	5.01	30.32	5.29	7.18
Portland	2002	74.23	5.12	10.18	8.65	1.30
	2021	53.03	4.29	23.02	7.89	11.32
Riverside	2002	45.38	8.68	38.44	6.46	0.78

	2021	29.68	5.12	49.46	9.11	6.60
St Louis	2002	61.31	33.98	2.57	1.94	0.19
	2021	50.48	29.98	9.44	3.39	6.71
San Antonio	2002	46.90	7.07	43.12	2.68	0.23
	2021	26.77	6.22	58.24	4.42	4.35
San Diego	2002	53.09	6.20	24.42	15.05	0.54
	2021	41.29	2.90	30.09	15.05	10.62
San Francisco	2002	47.90	8.63	17.43	23.42	0.53
	2021	30.74	6.68	25.63	24.06	12.78
Seattle	2002	65.91	10.12	7.71	14.44	1.82
	2021	44.56	8.60	17.37	15.18	13.85
Tampa-St Petersburg	2002	74.77	16.23	5.67	3.08	0.26
	2021	59.02	12.99	18.16	4.16	5.67
Washington DC	2002	48.58	21.83	21.33	8.06	0.19
	2021	43.98	19.42	23.12	5.90	7.56

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A5*Urban School-Level Black Student Exposure and Isolation, Largest 25 Metros, 2002 and 2021*

Metro	Year	Black isolation	Mean Black exposure to			
			White	Hispanic	Asian	Other race
Atlanta	2002	87.73	6.63	4.75	0.83	0.06
	2021	80.90	7.88	8.24	0.58	2.41
Baltimore	2002	92.28	6.08	0.90	0.53	0.21
	2021	83.43	5.06	9.22	0.61	1.66
Boston	2002	52.35	17.85	21.63	7.67	0.50
	2021	42.28	12.63	35.29	5.58	4.16
Charlotte	2002	50.29	37.18	7.95	3.82	0.75
	2021	46.35	19.59	24.77	5.12	4.16
Chicago	2002	81.43	6.07	10.66	1.75	0.10
	2021	74.70	5.21	15.80	2.35	1.94
Dallas-Ft Worth	2002	47.80	18.28	30.39	3.23	0.30
	2021	34.89	13.30	43.82	4.67	3.32
Denver	2002	30.54	31.15	33.14	4.22	0.95
	2021	20.84	23.95	43.12	4.74	7.35
Detroit	2002	92.48	4.76	1.50	0.94	0.23
	2021	84.25	7.64	3.95	2.14	2.01
Houston	2002	51.01	9.39	34.89	4.63	0.09
	2021	37.59	8.57	47.39	4.37	2.08
Los Angeles	2002	31.33	10.96	49.81	7.56	0.30
	2021	21.50	9.88	57.03	7.14	4.43
Miami	2002	63.58	6.26	29.13	0.93	0.11
	2021	55.89	3.40	39.13	0.73	0.85
Minneapolis-St Paul	2002	39.08	31.62	9.37	17.58	2.34
	2021	49.78	22.06	11.05	10.17	6.93
New York	2002	59.66	6.34	27.82	5.72	0.47
	2021	51.78	5.71	33.17	6.04	3.30
Orlando	2002	49.92	28.03	18.73	2.96	0.37
	2021	45.58	15.75	33.00	3.05	2.63
Philadelphia	2002	75.60	9.63	10.82	3.82	0.14
	2021	70.56	6.39	15.96	3.66	3.44
Phoenix	2002	11.05	36.35	46.84	2.36	3.41
	2021	12.07	21.81	55.11	3.59	7.41
Portland	2002	24.30	53.08	11.77	8.71	1.89
	2021	11.86	41.06	26.17	8.35	12.05
Riverside	2002	15.47	27.92	50.40	5.12	0.83

	2021	10.59	15.07	62.41	7.31	4.58
St Louis	2002	82.66	14.84	1.24	1.15	0.11
	2021	81.61	9.70	5.37	1.44	1.88
San Antonio	2002	20.81	24.63	52.56	1.79	0.20
	2021	12.93	14.76	65.60	3.09	3.62
San Diego	2002	20.61	20.84	41.08	16.88	0.47
	2021	13.59	15.12	49.79	13.02	8.44
San Francisco	2002	44.03	9.32	24.22	19.71	0.52
	2021	23.93	12.84	37.75	14.42	10.97
Seattle	2002	25.11	43.01	10.22	19.62	2.05
	2021	20.15	27.41	21.15	16.99	13.96
Tampa-St Petersburg	2002	26.20	63.69	6.22	3.61	0.28
	2021	37.99	35.88	16.96	3.49	5.67
Washington DC	2002	80.27	6.42	11.08	2.15	0.07
	2021	73.93	8.61	13.47	1.53	2.44

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A6

Urban School-Level Hispanic Student Exposure and Isolation, Largest 25 Metros, 2002 and 2021

Metro	Year	Hispanic isolation	Mean Hispanic exposure to			
			White	Black	Asian	Other race
Atlanta	2002	23.87	20.34	53.05	2.54	0.19
	2021	27.56	20.44	45.71	1.78	4.51
Baltimore	2002	11.60	29.65	55.84	1.58	1.33
	2021	45.37	8.95	43.07	0.80	1.79
Boston	2002	37.71	22.20	33.26	6.47	0.37
	2021	48.11	17.48	25.58	5.12	3.63
Charlotte	2002	13.10	39.73	42.55	3.96	0.65
	2021	35.11	20.52	35.30	5.42	3.65
Chicago	2002	70.62	13.11	12.29	3.77	0.22
	2021	69.78	11.44	12.20	4.33	2.24
Dallas-Ft Worth	2002	62.18	16.75	18.00	2.71	0.37
	2021	64.78	11.86	17.67	3.18	2.52
Denver	2002	62.47	19.49	13.89	2.99	1.15
	2021	61.09	17.38	12.31	3.69	5.54
Detroit	2002	49.95	24.24	23.32	1.36	0.86
	2021	52.56	18.04	23.62	3.55	2.23
Houston	2002	68.07	10.83	17.41	3.60	0.09
	2021	69.13	9.37	16.17	3.45	1.89
Los Angeles	2002	76.86	8.76	7.91	6.14	0.26
	2021	78.21	7.95	5.13	5.90	2.79
Miami	2002	73.96	10.40	14.43	1.14	0.07
	2021	82.90	5.81	9.60	1.10	0.59
Minneapolis-St Paul	2002	23.74	34.08	25.83	13.93	2.42
	2021	31.54	28.94	20.78	11.03	7.71
New York	2002	55.06	9.44	25.23	9.87	0.39
	2021	57.49	9.24	20.17	10.43	2.67
Orlando	2002	36.34	39.04	20.21	4.03	0.37
	2021	51.05	23.10	18.31	4.68	2.87
Philadelphia	2002	47.02	11.72	37.09	4.04	0.14
	2021	51.11	9.55	30.13	5.78	3.42
Phoenix	2002	62.34	25.83	6.96	1.73	3.14
	2021	64.54	19.22	8.02	2.37	5.85
Portland	2002	19.47	63.21	7.06	8.26	1.40
	2021	33.83	43.01	5.11	7.09	10.62

Riverside	2002	59.39	25.09	10.22	4.43	0.65
	2021	70.50	13.92	5.96	5.69	3.90
St Louis	2002	3.44	44.66	49.47	2.22	0.21
	2021	18.76	26.75	47.09	3.57	3.83
San Antonio	2002	76.55	16.48	5.76	1.07	0.14
	2021	77.01	12.42	5.90	2.18	2.49
San Diego	2002	60.90	18.14	9.08	11.30	0.44
	2021	62.76	15.81	5.02	9.66	6.71
San Francisco	2002	46.19	13.98	18.01	20.09	0.43
	2021	58.17	11.53	8.84	13.69	7.71
Seattle	2002	12.81	50.91	15.88	18.22	2.18
	2021	25.83	31.15	11.90	16.52	14.33
Tampa-St Petersburg	2002	9.22	68.01	19.03	3.48	0.26
	2021	23.86	49.43	16.72	4.19	5.79
Washington DC	2002	41.63	18.45	32.61	7.16	0.14
	2021	40.30	22.02	28.97	4.26	4.43

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A7*Urban School-Level Asian Student Exposure and Isolation, Largest 25 Metros, 2002 and 2021*

Metro	Year	Asian isolation	Mean Asian exposure to			
			White	Black	Hispanic	Other race
Atlanta	2002	2.93	26.22	55.50	15.17	0.18
	2021	3.88	38.25	33.04	18.22	6.61
Baltimore	2002	2.76	29.80	63.97	3.07	0.40
	2021	3.59	19.63	57.04	15.86	3.81
Boston	2002	20.94	38.02	26.30	14.43	0.31
	2021	22.26	34.19	16.42	20.80	6.18
Charlotte	2002	5.00	46.45	40.17	7.77	0.60
	2021	17.39	32.75	26.25	19.48	4.14
Chicago	2002	21.21	41.67	12.83	24.00	0.28
	2021	25.34	32.55	11.02	26.28	4.79
Dallas-Ft Worth	2002	12.11	48.54	16.12	22.82	0.41
	2021	21.98	26.58	17.52	29.58	4.34
Denver	2002	6.27	49.95	15.96	27.00	0.83
	2021	9.11	36.85	12.51	34.08	7.46
Detroit	2002	13.08	61.95	22.33	2.08	0.49
	2021	33.43	42.59	15.23	4.22	4.52
Houston	2002	12.67	24.75	24.40	38.05	0.13
	2021	15.58	22.93	17.56	40.56	3.37
Los Angeles	2002	23.76	28.04	7.76	39.71	0.43
	2021	30.82	21.29	3.97	36.50	7.38
Miami	2002	2.37	18.46	22.74	56.29	0.14
	2021	2.30	9.84	12.17	74.77	0.92
Minneapolis-St Paul	2002	29.18	36.60	25.22	7.25	1.76
	2021	49.20	21.60	14.78	8.53	5.90
New York	2002	32.18	21.00	16.01	30.49	0.33
	2021	39.29	17.82	10.11	28.73	4.05
Orlando	2002	6.09	45.02	21.39	27.05	0.45
	2021	8.37	29.30	15.62	43.20	3.51
Philadelphia	2002	17.49	26.74	42.46	13.10	0.21
	2021	22.69	24.58	25.80	21.60	5.33
Phoenix	2002	4.15	59.21	5.72	28.15	2.77
	2021	24.32	36.94	5.75	26.16	6.82
Portland	2002	12.17	68.55	6.66	10.55	1.33
	2021	19.40	43.67	4.83	21.00	10.75
Riverside	2002	8.10	39.52	9.73	41.51	0.76

	2021	15.20	22.68	6.18	50.34	5.58
St Louis	2002	3.74	39.66	53.81	2.61	0.19
	2021	5.96	33.35	43.74	12.39	4.55
San Antonio	2002	3.53	43.09	8.27	44.86	0.24
	2021	11.99	23.04	6.81	53.38	4.77
San Diego	2002	25.72	31.33	10.46	31.67	0.44
	2021	27.34	26.11	4.33	31.89	10.27
San Francisco	2002	48.52	17.36	13.54	18.57	0.43
	2021	45.01	17.16	5.36	21.70	10.73
Seattle	2002	23.17	49.71	15.89	9.50	1.72
	2021	29.72	29.55	10.38	17.93	12.21
Tampa-St Petersburg	2002	4.74	68.16	20.37	6.43	0.30
	2021	6.26	52.47	15.97	19.44	5.87
Washington DC	2002	9.73	30.71	27.87	31.52	0.16
	2021	8.54	36.03	21.05	27.27	7.09

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.

Table A8

Urban School-Level Other Race Student Exposure and Isolation, Largest 25 Metros, 2002 and 2021

Metro	Year	Other race isolation	Mean other race exposure to			
			White	Black	Hispanic	Asian
Atlanta	2002	0.38	32.19	49.50	15.58	2.34
	2021	5.66	29.60	46.70	15.78	2.26
Baltimore	2002	3.10	28.40	61.42	6.13	0.94
	2021	4.02	16.22	63.44	14.71	1.57
Boston	2002	0.85	25.15	44.67	21.29	8.05
	2021	6.64	32.70	22.34	26.91	11.28
Charlotte	2002	2.71	45.43	41.84	6.84	3.17
	2021	6.06	32.35	34.04	20.96	6.60
Chicago	2002	0.97	26.60	22.84	41.21	8.37
	2021	6.21	30.18	21.02	31.47	11.10
Dallas-Ft Worth	2002	0.67	38.32	18.13	37.81	5.07
	2021	4.65	26.84	21.24	39.87	7.40
Denver	2002	1.81	31.36	16.27	46.84	3.72
	2021	8.41	34.57	14.18	37.39	5.45
Detroit	2002	26.98	37.91	26.36	6.35	2.35
	2021	5.98	38.55	36.91	6.86	11.70
Houston	2002	0.53	42.35	16.51	35.71	4.91
	2021	6.27	24.70	16.97	45.20	6.86
Los Angeles	2002	0.68	24.08	9.45	52.43	13.17
	2021	9.06	25.09	5.99	41.90	17.91
Miami	2002	0.28	17.74	33.60	46.61	1.76
	2021	1.47	11.22	22.36	63.50	1.46
Minneapolis- St Paul	2002	4.53	38.94	29.77	11.17	15.59
	2021	11.44	39.84	22.38	13.23	13.11
New York	2002	1.05	11.39	40.39	37.16	10.00
	2021	6.57	17.28	24.87	33.05	18.23
Orlando	2002	0.74	41.76	27.36	25.54	4.60
	2021	3.80	29.79	20.56	40.50	5.35
Philadelphia	2002	0.45	25.96	51.90	14.84	6.85
	2021	6.09	19.42	42.65	22.48	9.37
Phoenix	2002	8.76	38.83	6.96	43.12	2.34
	2021	9.35	34.09	8.08	43.84	4.64
Portland	2002	2.12	67.59	9.51	11.69	8.75
	2021	12.29	48.90	5.44	24.54	8.39

Riverside	2002	1.18	35.62	11.69	45.62	5.65
	2021	6.82	25.35	5.98	53.22	8.61
St Louis	2002	0.65	41.55	53.24	2.56	2.00
	2021	7.97	43.05	37.33	8.67	2.97
San Antonio	2002	0.42	33.84	8.45	55.10	2.19
	2021	4.83	22.42	7.86	60.19	4.70
San Diego	2002	0.86	35.91	9.18	39.54	14.12
	2021	12.05	30.18	4.60	36.30	16.82
San Francisco	2002	3.56	23.78	21.49	23.79	25.86
	2021	14.08	21.65	9.68	29.03	25.48
Seattle	2002	5.00	55.16	14.64	10.02	15.18
	2021	15.44	35.90	11.36	20.72	16.26
Tampa-St Petersburg	2002	0.41	70.45	19.60	5.84	3.70
	2021	6.20	51.55	18.67	19.34	4.23
Washington DC	2002	0.58	28.96	38.00	26.04	6.39
	2021	8.07	36.79	26.82	22.65	5.66

Notes. Source: U.S. Dept. of Education, National Center for Education Statistics, Common Core of Data (CCD) Public Elementary/Secondary Universe School Survey Data.