Appendix

Table 1. Attrition rates from the DC Public Schools by kindergarten among randomized applicants to DC's three-year-old preschool program

	Control	Treatment	Difference	*P*-value	Adjusted difference*	*P*-value
	35.6%	27.0%	-8.6%	0.000	-3.9%	0.017
N students	2,074	2,623				

Source: Authors' preliminary calculations (2022) using MSDC administrative lottery data and OSSE enrollment data.
Note: Sample is comprised of applicants impacted by the lottery who applied for a three-year-old slot in DC public prekindergarten between 2014 and 2017. Negative values for lottery compilers are due to regression adjustments.
*Adjusted Differences control for Pscore (MID Formula).

Table 2. Balance in baseline characteristics among non-attriting students (i.e., students who enrolled in DCPS in kindergarten) who applied to DC's three-year-old preschool program and participated in a lottery

Applicant Characteristic	Control	Treatment	Difference	*P*-Value	Adjusted Difference*	*P*-Value
Number schools ranked	5.9	6.4	0.5	0.001	0.2	0.159
% Black/Hispanic	52.1%	52.7%	0.6%	0.578	-3.5%	0.009
% College graduate	59.6%	59.0%	-0.7%	0.466	2.1%	0.058
Median Income	$105,901	$103,016	-$2,885	0.129	$5,210	0.022
Number of Students	1,335	1,914				

Source: Authors' preliminary calculations (2022) using MSDC administrative lottery data, OSSE enrollment data, ACS, and Census data.
Note: Sample is comprised of non-attriting applicants (i.e., students enrolled in DCPS kindergarten) impacted by the lottery who applied for a three-year-old preschool slot in DCPS between 2014 and 2017.
*Adjusted Differences control for Pscore (MID Formula).

Table 3. Characteristics of students who applied to Boston Prekindergarten, students who applied to an aligned school, and students who applied to an aligned school and were in a lottery

Characteristic	All Applicants	All Applicants to Aligned Schools	Full Lottery Subsample
Child age on September 1st	4.52	4.52	4.52
Female	0.48	0.49	0.50
Eligible for free/reduced price lunch	0.67	0.68	0.61
Race/ethnicity			
Hispanic	0.38	0.40	0.36
Black	0.31	0.29	0.28
White	0.19	0.19	0.22
Asian	0.08	0.08	0.08
Multiracial or other race	0.04	0.04	0.05
Country of origin USA	0.95	0.95	0.95
Dual Language Learner	0.40	0.42	0.37
Home language			
English	0.60	0.58	0.63
Spanish	0.21	0.22	0.18
Other language	0.19	0.20	0.19

Note: Samples means are shown. See more in McCormick and colleagues (2022).