

Memorandum

TO: WENDY HENDERSON, WISCONSIN DEPARTMENT OF CHILDREN AND FAMILIES
FROM: LONNIE BERGER & JENNIFER NOYES
SUBJECT: EDUCATIONAL OUTCOMES FOR CHILDREN IN FOSTER CARE: SUBSAMPLE ANALYSES
DATE: MAY 17, 2016
CC: DCF: JOHN ELLIOTT, REBECCA SCHWEI; IRP: VANESSA RIOS-SALAS; DPI: JARED KNOWLES

This memorandum accompanies our revised final report *“Educational Experiences and Outcomes of Children in Out-of-Home Placement: Additional Administrative Data Analysis in Support of the Wisconsin Education Collaboration for Youth in Foster Care.”* It specifically responds to the Department’s request for companion analyses using samples of students from 1) the Milwaukee Public School district only; 2) the Madison Metropolitan Public School district only; and 3) all Wisconsin public school districts, excluding the Milwaukee Public School district. The full report uses a sample of students from all public schools in Wisconsin.

Below, we describe how multivariate results for each of these subsamples compare to those from the full report. The results are organized by outcome of interest: standardized test scores, participation in standardized test taking, grade retention, disciplinary incidents, school instability, the quality of school(s) attended, change in disability status, and high school graduation and completion. These results should be viewed with caution given relatively small sample sizes for many of the analyses. Indeed, as noted below, we were unable to replicate some analyses from the full report due to extremely small cell sizes.

On the whole, there were relatively few meaningful differences between the full (primary) sample results and results from any of the subsamples.

The appendices to this memo include tables for each of the subsample analyses (Tables M1-M43 are for the Milwaukee Public School district only; Tables N1-N43 are for the Madison Metropolitan School district only; and Tables O1-046 are for all Wisconsin public school districts, excluding the Milwaukee Public School district.)

Achievement Test Scores

- *Milwaukee only:* The overall pattern of achievement test score results was consistent with that of the full sample, although results for Milwaukee were considerably less likely to reveal any statistically significant differences between groups, particularly in the most rigorous (fixed effects) models.
- *Madison only:* The pattern of results was consistent with that from the full sample, though estimates were considerably less likely to attain statistical significance.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

Participation in Standardized Testing

- *Milwaukee only:* The direction of the estimates was consistent with results from the full sample models. However, coefficients were smaller in magnitude and rarely achieved statistical significance. This may suggest a weaker link between OHP and forgoing standardized test taking in Milwaukee than in the rest of the state.
- *Madison only:* Coefficients generally failed to attain statistical significance, but were similar in size and direction to those for the full sample models.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

Grade Retention

- *Milwaukee only:* Results for the primary analyses comparing children in OHP, children experiencing a screened in CPS report but not OHP, and SNAP-only children were virtually identical to those for the full sample. However, small cell sizes precluded analyses of placement characteristics.
- *Madison only:* In contrast to analyses using each of the other samples, which suggest that children in OHP were at increased risk of grade retention, the Madison-only analyses suggest that children in OHP were at decreased risk of grade retention. Small cell sizes precluded analyses of placement characteristics.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

Disciplinary Incidents

- *Milwaukee only:* Whereas results from the most rigorous (fixed effects) analyses for the full sample suggest that children in OHP and those experiencing a screened-in report were at increased risk of disciplinary incidents, the results for Milwaukee suggest that only children experiencing a screened-in report were at increased risk of disciplinary incidents. The estimate for children in OHP was positive (consistent with the primary results), but considerably smaller in magnitude than that for the full sample; it was also nonsignificant.

- *Madison only:* Results from the most rigorous (fixed effects) models indicate that only children experiencing a screened-in report were at increased risk of disciplinary incidents; the estimate for children in OHP indicated no association with disciplinary incidents.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

School Instability

- *Milwaukee only:* Results from the most rigorous (fixed effects) models for the likelihood of experiencing a school change were consistent with those for the full sample. At the same time, results for number of school changes were nonsignificant; this suggests that, in Milwaukee, OHP was not associated with a greater number of school changes (than was SNAP receipt) among students who changed schools at least once.
- *Madison only:* Results were consistent with those for the full sample.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

School Quality

- *Milwaukee only:* Results were virtually identical to those for the full sample.
- *Madison only:* The pattern of results was generally consistent with those for the full sample; however, the association between OHP and a decrease in school quality failed to attain significance in the most rigorous (fixed effects) models. Small cell sizes precluded analyses of placement characteristics.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

Change in Disability Status

- *Milwaukee only:* In contrast to results from the full sample analyses, results from the most rigorous (fixed effects) models suggest no association between OHP and a change in disability status. Consistent with the full-sample analyses, having had a screened-in report was associated with an increased likelihood of a change in disability status. Small cell sizes precluded analyses of placement characteristics.
- *Madison only:* In contrast to results from the full sample analyses, neither OHP nor having a screened-in CPS report was associated with a significant increase in the likelihood of a change in disability status (though the coefficients were positive in direction). Small cell sizes precluded analyses of placement characteristics.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

High School Graduation and Completion

- *Milwaukee only:* Results were quite consistent with those from the primary sample analyses. Small cell sizes precluded analyses of placement characteristics.
- *Madison only:* Results were similar in direction to those from the primary analyses, but were much less likely to attain statistical significance. Small cell sizes precluded analyses of placement characteristics.
- *Wisconsin, excluding Milwaukee:* Results were virtually identical to those for the full sample.

TABLES M1 – M43

Milwaukee Public Schools

Table M1. Out-of-home placement status and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
Total	151,208	1.000		
OHP during test	1,173	0.008	-1.29	-1.33
OHP before test	622	0.004	-1.16 ^a	-1.25
Screened-in and placed OH later	171	0.001	-1.21	-1.34
Screened-in but not placed OH later	9,433	0.062	-1.05 ^{ab}	-1.15 ^{abc}
Only SNAP	139,809	0.925	-0.87 ^{abcd}	-0.94 ^{abcd}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test.

^bDiffers from OHP before test.

^cDiffers from screened-in and placed OH later.

^dDiffers from screened-in but not placed OH later.

Table M2. Length of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP during test: 1 to 3 months	150	0.001	-1.14	-1.15
OHP during test: 4 to 7 months	190	0.001	-1.10	-1.31
OHP during test: 8 to 12 months	833	0.006	-1.37 ^b	-1.37 ^a
OHP before test: 1 to 3 months	257	0.002	-1.05 ^c	-1.32
OHP before test: 4 to 7 months	173	0.001	-1.16	-1.21
OHP before test: 8 to 12 months	192	0.001	-1.30 ^d	-1.21
Screened-in and placed OH later	171	0.001	-1.21	-1.34
Screened-in but not placed OH later	9,433	0.062	-1.05 ^{cf}	-1.15 ^{cdg}
Only SNAP	139,809	0.925	-0.87 ^{abcdefgh}	-0.94 ^{abcdefgh}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 151,208 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test 1-3 months.

^bDiffers from OHP during test 4-7 months.

^cDiffers from OHP during test 8-12 months.

^dDiffers from OHP before test 1-3 months.

^eDiffers from OHP before test 4-7 months.

^fDiffers from OHP before test 8-11 months.

^gDiffers from screened-in and placed OH later.

^hDiffers from screened-in but not placed OH later.

Table M3. Number of out-of-home placements and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: 1	939	0.006	-1.17	-1.27
OHP: 2	460	0.003	-1.17	-1.23
OHP: 3 or more	396	0.003	-1.51 ^{ab}	-1.45 ^{ab}
Screened-in and placed OH later	171	0.001	-1.21 ^c	-1.34
Screened-in but not placed OH later	9,433	0.062	-1.05 ^{abc}	-1.15 ^{acd}
Only SNAP	139,809	0.925	-0.87 ^{abcde}	-0.94 ^{abcde}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 151,208 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP 1 placement.

^bDiffers from OHP 2 placements.

^cDiffers from OHP 3 or more placements.

^dDiffers from screened-in and placed OH later.

^eDiffers from screened-in but not placed OH later.

Table M4. Most frequent type of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: RCC	57	0.000	-2.00	-1.92
OHP: Non-relative FFH	880	0.006	-1.21 ^a	-1.23 ^a
OHP: Relative FFH	696	0.005	-1.24 ^a	-1.33 ^a
OHP: Group home	60	0.000	-1.26 ^a	-1.28 ^a
OHP: Other	102	0.001	-1.21 ^a	-1.41 ^a
Screened-in and placed OH later	171	0.001	-1.21 ^a	-1.34 ^a
Screened-in but not placed OH later	9,433	0.062	-1.05 ^{abc}	-1.15 ^{acef}
Only SNAP	139,809	0.925	-0.87 ^{abcdefg}	-0.94 ^{abcdefg}

Note Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 151,208 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP RCC.

^bDiffers from OHP non-relative FFH.

^cDiffers from OHP relative FFH.

^dDiffers from OHP group home.

^eDiffers from OHP another type of placement.

^fDiffers from screened-in and placed OH later.

^gDiffers from screened-in but not placed OH later.

Table M5. OLS regressions. Out-of-home placement status and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test	-0.040 [0.041]	-0.006 [0.040]	0.030 [0.034]	-0.007 [0.059]	-0.025 [0.039]	-0.001 [0.037]	0.025 [0.032]	-0.021 [0.052]
OHP before test	-0.040 [0.044]	-0.013 [0.044]	-0.081* [0.046]	-0.056 [0.053]	-0.096** [0.041]	-0.074* [0.041]	-0.111*** ^a [0.042]	-0.062 [0.050]
Screened-in and placed out-of-home later	-0.079 [0.088]	-0.073 [0.088]	-0.065 [0.085]	-0.089 [0.106]	-0.147* [0.088]	-0.171* [0.088]	-0.161* [0.093]	0.009 [0.103]
Screened-in but not placed out-of-home later	-0.054*** [0.012]	-0.054*** [0.012]	-0.015 [0.011]	0.006 [0.014]	-0.091*** [0.012]	-0.093*** ^a [0.012]	-0.038*** [0.011]	-0.004 [0.013]
N of observations	145,224	145,224	96,883	145,224	146,397	146,397	97,718	146,397
N of clusters (children)	54,056	54,056	39,873	54,056	54,452	54,452	40,154	54,452

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP during test at p<.05.

Table M6. OLS regressions. Out-of-home placement length and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test: 1 to 3 months	-0.022 [0.094]	-0.012 [0.092]	-0.077 [0.089]	-0.126 [0.096]	0.027 [0.085]	0.021 [0.082]	-0.052 [0.079]	-0.082 [0.087]
OHP during test: 4 to 7 months	0.020 [0.073]	0.036 [0.072]	0.075 [0.064]	0.071 [0.075]	-0.121 [0.075]	-0.095 [0.074]	-0.064 [0.073]	-0.087 [0.075]
OHP during test: 8 to 12 months	-0.060 [0.050]	-0.015 [0.049]	0.038 [0.045]	-0.001 [0.085]	-0.011 [0.046]	0.019 [0.044]	0.066* [0.040]	0.048 [0.069]
OHP before test: 1 to 3 months	0.027 [0.068]	0.090 [0.067]	-0.023 [0.063]	0.021 [0.076]	-0.192*** ^{ac} [0.066]	-0.120* [0.064]	-0.168*** ^c [0.068]	-0.131* [0.074]
OHP before test: 4 to 7 months	0.005 [0.079]	-0.013 [0.079]	-0.068 [0.090]	-0.075 [0.101]	-0.025 [0.070]	-0.043 [0.071]	-0.054 [0.072]	-0.053 [0.097]
OHP before test: 8 to 12 months	-0.168** [0.078]	-0.146* ^d [0.080]	-0.181* ^{bc} [0.096]	-0.142 [0.094]	-0.034 [0.075]	-0.039 [0.075]	-0.080 [0.078]	0.048 [0.081]
Screened-in and placed OH later	-0.079 [0.088]	-0.073 [0.088]	-0.065 [0.085]	-0.085 [0.106]	-0.147* [0.088]	-0.171* ^c [0.088]	-0.161* ^c [0.093]	0.009 [0.103]
Screened-in but not placed OH later	-0.054*** [0.012]	-0.054*** ^d [0.012]	-0.015 [0.011]	0.006 [0.014]	-0.091*** [0.012]	-0.093*** ^c [0.012]	-0.038*** ^c [0.011]	-0.003 [0.013]
N of observations	145,224	145,224	96,883	145,224	146,397	146,397	97,718	146,397
N of clusters (children)	54,056	54,056	39,873	54,056	54,452	54,452	40,154	54,452

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^bDiffers from OHP before test 4-7 months at p<.05.

^dDiffers from OHP before test 1-3 months at p<.05.

^aDiffers from OHP during test 1-3 months at p<.05.

^cDiffers from OHP before test 8-12 months at p<.05.

Table M7. OLS regressions. Number of out-of-home placements and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP: 1 placement	-0.018 [0.039]	0.013 [0.038]	-0.048 [0.037]	-0.031 [0.049]	-0.067* [0.040]	-0.045 [0.039]	-0.040 [0.034]	-0.057 [0.045]
OHP: 2 placements	0.018 [0.057]	0.035 [0.058]	0.035 [0.050]	0.038 [0.063]	-0.009 [0.055]	0.006 [0.053]	0.007 [0.050]	0.021 [0.065]
OHP: 3 or more placements	-0.168*** ^a [0.068]	-0.112 [0.068]	0.019 [0.073]	-0.158* ^b [0.096]	-0.065 [0.060]	-0.025 [0.059]	-0.036 [0.063]	-0.094 [0.087]
Screened-in and placed OH later	-0.079 [0.088]	-0.073 [0.088]	-0.065 [0.085]	-0.095 [0.105]	-0.147* [0.088]	-0.171* [0.088]	-0.162* [0.093]	0.008 [0.103]
Screened-in but not placed OH later	-0.054*** [0.012]	-0.054*** [0.012]	-0.015 [0.011]	0.006 [0.014]	-0.091*** [0.012]	-0.094*** [0.012]	-0.039*** [0.011]	-0.004 [0.013]
N of observations	145,224	145,224	96,883	145,224	146,397	146,397	97,718	146,397
N of clusters (children)	54,056	54,056	39,873	54,056	54,452	54,452	40,154	54,452

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

Table M8. OLS regressions. Type of out-of-home placement and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP: RCC	-0.520*** [0.144]	-0.459*** [0.148]	-0.105 [0.203]	-0.270 [0.243]	-0.499*** [0.176]	-0.404** [0.164]	-0.105 [0.183]	0.014 [0.229]
OHP: Non-relative FFH	-0.019 ^a [0.048]	0.012 ^a [0.047]	-0.007 [0.041]	0.029 [0.066]	0.008 ^a [0.045]	0.030 ^a [0.043]	0.009 [0.038]	0.047 [0.059]
OHP: Relative FFH	-0.062 ^a [0.048]	-0.036 ^a [0.048]	-0.021 [0.041]	-0.061 [0.059]	-0.102*** ^a [0.048]	-0.090* [0.046]	-0.074*** [0.037]	-0.108* [0.059]
OHP: Group home	0.180 ^a [0.144]	0.247*** ^a [0.141]	0.129 [0.149]	-0.091 [0.264]	0.169 ^{ac} [0.104]	0.247*** ^{ac} [0.106]	0.179 ^c [0.120]	-0.137 [0.152]
OHP: Other	0.024 ^a [0.100]	0.074 ^a [0.108]	-0.033 [0.118]	-0.113 [0.114]	-0.114 ^d [0.091]	-0.058 ^d [0.094]	-0.083 [0.095]	-0.089 [0.125]
Screened-in and placed OH later	-0.079 ^a [0.088]	-0.073 ^a [0.088]	-0.065 [0.085]	-0.097 [0.106]	-0.148*** ^d [0.088]	-0.171*** ^{bd} [0.088]	-0.162*** ^d [0.093]	0.007 [0.103]
Screened-in but not placed OH later	-0.054*** ^a [0.012]	-0.054*** ^{ad} [0.012]	-0.016 [0.011]	0.006 [0.014]	-0.092*** ^{abd} [0.012]	-0.094*** ^{abd} [0.012]	-0.039*** [0.011]	-0.004 [0.013]
N of observations	145,224	145,224	96,883	145,224	146,397	146,397	97,718	146,397
N of clusters (children)	54,056	54,056	39,873	54,056	54,452	54,452	40,154	54,452

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RCC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

Table M9. Out-of-home placement and test status (Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP	976 <i>97.5</i>	12 <i>1.2</i>	13 <i>1.3</i>	981 <i>97.1</i>	10 <i>1.0</i>	19 <i>1.9</i>
Screened-in	5,625 <i>97.8</i>	65 <i>1.1</i>	59 <i>1.0</i>	5,654 <i>97.7</i>	52 <i>0.9</i>	84 <i>1.5</i>
Only SNAP	89,514 <i>99.2^{ab}</i>	324 <i>0.4^{ab}</i>	384 <i>0.4</i>	90,307 <i>99.2^{ab}</i>	261 <i>0.3^{ab}</i>	445 <i>0.5^{ab}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 96,972 student-year observations for reading and 97,813, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table M10. Out-of-home placement length and test status (Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1 to 3 months	235 <i>96.7</i>	4 <i>1.6</i>	4 <i>1.6</i>	239 <i>96.8</i>	4 <i>1.6</i>	4 <i>1.6</i>
OHP: 4 to 7 months	214 <i>98.2</i>	1 <i>0.5</i>	3 <i>1.4</i>	215 <i>98.6</i>	1 <i>0.5</i>	2 <i>0.9</i>
OHP: 8 to 12 months	527 <i>97.6</i>	7 <i>1.3</i>	6 <i>1.1</i>	527 <i>96.7</i>	5 <i>0.9</i>	13 <i>2.4</i>
Screened-in	5,625 <i>97.8</i>	65 <i>1.1</i>	59 <i>1.0</i>	5,654 <i>97.7</i>	52 <i>0.9</i>	84 <i>1.5</i>
Only SNAP	89,514 <i>99.2</i>	324 <i>0.4</i>	384 <i>0.4</i>	90,307 <i>99.2</i>	261 <i>0.3</i>	445 <i>0.5</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 96,972 student-year observations for reading and 97,813, for math. Test status was measured in school years 2006-07 through 2013-14.

Table M11. Number of out-of-home placements and test status (Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1	505 <i>97.9</i>	7 <i>1.4</i>	4 <i>0.8</i>	514 <i>98.3</i>	5 <i>1.0</i>	4 <i>0.8</i>
OHP: 2	250 <i>98.0</i>	1 <i>0.4</i>	4 <i>1.6</i>	251 <i>97.3</i>	1 <i>0.4</i>	6 <i>2.3</i>
OHP: 3 or more	221 <i>96.1</i>	4 <i>1.7</i>	5 <i>2.2</i>	216 <i>94.3</i>	4 <i>1.7</i>	9 <i>3.9</i>
Screened-in	5,625 <i>97.8</i>	65 <i>1.1</i>	59 <i>1</i>	5,654 <i>97.7</i>	52 <i>0.9</i>	84 <i>1.5</i>
Only SNAP	89,514 <i>99.2</i>	324 <i>0.4</i>	384 <i>0.4</i>	90,307 <i>99.2</i>	261 <i>0.3</i>	445 <i>0.5</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 96,972 student-year observations for reading and 97,813, for math. Test status was measured in school years 2006-07 through 2013-14.

Table M12. Most frequent type of out-of-home placement and test status (Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: RCC	23 <i>100.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	22 <i>95.7</i>	0 <i>0.0</i>	1 <i>4.3</i>
OHP: Non-relative FFH	458 <i>97.0</i>	9 <i>1.9</i>	5 <i>1.1</i>	457 <i>96.6</i>	8 <i>1.7</i>	8 <i>1.7</i>
OHP: Relative FFH	398 <i>98.0</i>	3 <i>0.7</i>	5 <i>1.2</i>	404 <i>98.5</i>	2 <i>0.5</i>	4 <i>1.0</i>
OHP: Group home	35 <i>100.0</i>	0 <i>0.0</i>	0 <i>0.0</i>	37 <i>97.4</i>	0 <i>0.0</i>	1 <i>2.6</i>
OHP: Other	62 <i>95.4</i>	0 <i>0.0</i>	3 <i>4.6</i>	61 <i>92.4</i>	0 <i>0.0</i>	5 <i>7.6</i>
Screened-in	5,625 <i>97.8</i>	65 <i>1.1</i>	59 <i>1.0</i>	5,654 <i>97.7</i>	52 <i>0.9</i>	84 <i>1.5</i>
Only SNAP	89,514 <i>99.2</i>	324 <i>0.4</i>	384 <i>0.4</i>	90,307 <i>99.2</i>	261 <i>0.3</i>	445 <i>0.5</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 96,972 student-year observations for reading and 97,813, for math. Test status was measured in school years 2006-07 through 2013-14.

Table M13. OLS regressions. OHP and test status given that student took the regular (WKCE) test in the previous year.

	Reading						Math					
	Alternative test			No test			Alternative test			No test		
	(1) District FE	(2) School FE	(3) Child FE	(4) District FE	(5) School FE	(6) Child FE	(7) District FE	(8) School FE	(9) Child FE	(10) District FE	(11) School FE	(12) Child FE
Placement status (base = only SNAP)												
OHP	0.004 [0.004]	0.003 [0.004]	0.000 [0.005]	0.006 [0.004]	0.004 [0.004]	0.004 [0.008]	0.004 [0.004]	0.003 [0.003]	0.000 [0.005]	0.009** [0.005]	0.007 [0.004]	0.001 [0.009]
Screened-in	0.005*** [0.001]	0.004*** [0.001]	0.002 [0.002]	0.005*** [0.001]	0.004*** [0.001]	0.000 [0.002]	0.004*** [0.001]	0.004*** [0.001]	0.001 [0.002]	0.007*** [0.002]	0.007*** [0.002]	0.002 [0.003]
N of observations	96,516	96,516	96,516	96,571	96,571	96,571	97,265	97,265	97,265	97,490	97,490	97,490
N of clusters (children)	39,845	39,845	39,845	39,810	39,810	39,810	40,085	40,085	40,085	40,113	40,113	40,113

Notes: Coefficients and robust and clustered standard errors presented. In columns 1, 2, 3, 7, 8, and 9, the dependent variable is an indicator equal to one when the student took the alternative test (WAA) and zero when the student took the regular test (WKCE). In the other columns, the dependent variable is an indicator equal to one when the student took no test and zero when the student took the regular test. All regressions control for the student's test score in the previous year, whether the student's family was eligible for school lunch in the year of the test, whether the student's age is above the normative age for her grade in the previous school year, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, disability status, family structure and number of children in the household in the year of the test, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the year of the test, grade in the previous year, and current school year. In addition, regressions that include school or district fixed-effects (columns 1, 2, 4, 5, 7, 8, 10, and 11) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students from school years 2006-07 through 2013-14 who took the regular test in the previous year when they were in grades 3 through 7. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table M14. Students retained by OHP status.

Placement status	Students who were...		Total
	not retained	retained	
Only SNAP	106,245	2,333	108,578
	<i>97.9</i>	<i>2.1</i>	<i>100</i>
Screened-in	6,132	221	6,353
	<i>96.5</i>	<i>3.5^a</i>	<i>100</i>
OHP	1,216	41	1,257
	<i>96.7</i>	<i>3.3^a</i>	<i>100</i>
OHP: 1 to 4 months	402	14	416
	<i>96.6</i>	<i>3.4^a</i>	<i>100</i>
OHP: 5 to 9 months	234	6	240
	<i>97.5</i>	<i>2.5</i>	<i>100</i>
OHP: 10 months	580	21	601
	<i>96.5</i>	<i>3.5^a</i>	<i>100</i>
OHP: 1	685	24	709
	<i>96.6</i>	<i>3.4^a</i>	<i>100</i>
OHP: 2	316	13	329
	<i>96</i>	<i>4^a</i>	<i>100</i>
OHP: 3 or more	215	4	219
	<i>98.2</i>	<i>1.8</i>	<i>100</i>
OHP: RCC	20	1	21
	<i>95.2</i>	<i>4.8</i>	<i>100</i>
OHP: Non-relative FFH	563	13	576
	<i>97.7</i>	<i>2.3</i>	<i>100</i>
OHP: Relative FFH	472	20	492
	<i>95.9</i>	<i>4.1^{an}</i>	<i>100</i>
OHP: Group home	77	1	78
	<i>98.7</i>	<i>1.3</i>	<i>100</i>
OHP: Other	84	6	90
	<i>93.3</i>	<i>6.7^{abnp}</i>	<i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for the sample of students in grades 1 through 12 in school years 2005-06 through 2012-13. Retention: Students who were retained in the same grade level in the next school year.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^pDiffers from OHP group home at p<.05.

Table M15. Linear probability (OLS) regressions. OHP status and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP	0.008 [0.005]	0.011** [0.005]	0.011* [0.006]
Screened-in but not placed out-of- home later	0.013*** [0.002]	0.014*** [0.002]	0.014*** [0.003]
N of observations	116,188	116,188	102,408
N of clusters (children)	45,136	45,136	40,827

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes the sample from year 2005-06. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table M19. Students with at least one disciplinary incident by OHP status.

Placement status	Students who had...		Total
	no disciplinary incident	at least one disciplinary incident	
Only SNAP	88,580 <i>71.6</i>	35,162 <i>28.4</i>	123,742 <i>100</i>
Screened-in	4,304 <i>58.1</i>	3,107 <i>41.9^a</i>	7,411 <i>100</i>
OHP	694 <i>49.9</i>	698 <i>50.1^{ab}</i>	1,392 <i>100</i>
OHP: 1 to 4 months	264 <i>57.9</i>	192 <i>42.1^a</i>	456 <i>100</i>
OHP: 5 to 9 months	151 <i>50.8</i>	146 <i>49.2^{abf}</i>	297 <i>100</i>
OHP: 10 months	279 <i>43.7</i>	360 <i>56.3^{abfg}</i>	639 <i>100</i>
OHP: 1	411 <i>56.5</i>	317 <i>43.5^a</i>	728 <i>100</i>
OHP: 2	173 <i>45.5</i>	207 <i>54.5^{abx}</i>	380 <i>100</i>
OHP: 3 or more	110 <i>38.7</i>	174 <i>61.3^{abxy}</i>	284 <i>100</i>
OHP: RCC	23 <i>53.5</i>	20 <i>46.5^a</i>	43 <i>100</i>
OHP: Non-relative FFH	306 <i>49.5</i>	312 <i>50.5^{ab}</i>	618 <i>100</i>
OHP: Relative FFH	288 <i>56.8</i>	219 <i>43.2^{an}</i>	507 <i>100</i>
OHP: Group home	20 <i>21.3</i>	74 <i>78.7^{abmno}</i>	94 <i>100</i>
OHP: Other	57 <i>43.8</i>	73 <i>56.2^{abop}</i>	130 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2006-07 through 2013-14. Disciplinary incidents include expulsion, out-of-school suspension, and placement in an IAES.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

^pDiffers from OHP group home at p<.05.

Table M20. Linear probability (OLS) regressions. OHP status and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP	0.101*** [0.014]	0.094*** [0.014]	0.064*** [0.013]	0.013 [0.025]
Screened-in	0.098*** [0.006]	0.099*** [0.006]	0.078*** [0.006]	0.029*** [0.008]
N of observations	132,545	132,545	117,787	132,545
N of clusters (children)	50,059	50,059	45,668	50,059

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, pooled OLS regressions (columns 1 and 2) control for school and child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes students from year 2006-07. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table M21. Linear probability (OLS) regressions. Length of OHP and disciplinary incidents (Milwaukee)

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 to 4 months	0.072*** [0.022]	0.057*** [0.022]	0.018 [0.021]	-0.017 [0.034]
OHP: 5 to 9 months	0.111*** [0.027]	0.102*** [0.027]	0.064** [0.027]	0.014 [0.039]
OHP: 10 months	0.119*** [0.022]	0.119*** ^a [0.021]	0.101*** ^a [0.019]	0.064 [0.041]
Screened-in	0.099*** [0.006]	0.100*** [0.006]	0.078*** ^a [0.006]	0.030*** [0.008]
N of observations	132,545	132,545	117,787	132,545
N of clusters (children)	50,059	50,059	45,668	50,059

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

Table M22. Linear probability (OLS) regressions. Number of OHPs and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 placement	0.048*** [0.018]	0.042** [0.018]	0.015 [0.018]	-0.014 [0.029]
OHP: 2 placements	0.135*** ^a [0.026]	0.134*** ^a [0.025]	0.101*** ^a [0.025]	0.032 [0.041]
OHP: 3 or more placements	0.193*** ^a [0.027]	0.179*** ^a [0.027]	0.145*** ^a [0.027]	0.082* [0.049]
Screened-in	0.099*** ^{ac} [0.006]	0.099*** ^{ac} [0.006]	0.078*** ^{ac} [0.006]	0.030*** [0.008]
N of observations	132,545	132,545	117,787	132,545
N of clusters (children)	50,059	50,059	45,668	50,059

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14.

Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table M23. Linear probability (OLS) regressions. Out-of-home placement type and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: RCC	0.053 [0.075]	0.039 [0.075]	-0.103 [0.080]	-0.183 [0.142]
OHP: Non-relative FFH	0.134*** [0.022]	0.126*** [0.021]	0.089*** ^a [0.019]	0.035 [0.037]
OHP: Relative FFH	0.034 ^b [0.022]	0.035* ^b [0.021]	0.029 ^b [0.020]	0.002 [0.036]
OHP: Group home	0.266*** ^{abc} [0.040]	0.243*** ^{abc} [0.043]	0.211*** ^{abc} [0.046]	0.132* ^{ac} [0.068]
OHP: Other	0.101*** ^d [0.042]	0.088*** ^d [0.042]	0.037 ^d [0.044]	-0.068 ^d [0.071]
Screened-in	0.099*** ^{cd} [0.006]	0.099*** ^{cd} [0.006]	0.078*** ^{acd} [0.006]	0.029*** [0.008]
N of observations	132,545	132,545	117,787	132,545
N of clusters (children)	50,059	50,059	45,668	50,059

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table M24. Percentage of students who changed schools during the school term by OHP status.

Placement status	Students who...		Total
	did not change schools	changed schools	
Only SNAP	126,360 <i>91.6</i>	11,542 <i>8.4</i>	137,902 <i>100</i>
Screened-in	6,964 <i>83.6</i>	1,362 <i>16.4^a</i>	8,326 <i>100</i>
OHP	1,224 <i>73.3</i>	445 <i>26.7^{ab}</i>	1,669 <i>100</i>
OHP: 1 to 4 months	397 <i>73.2</i>	145 <i>26.8^{ab}</i>	542 <i>100</i>
OHP: 5 to 9 months	226 <i>65.7</i>	118 <i>34.3^{abf}</i>	344 <i>100</i>
OHP: 10 months	601 <i>76.8</i>	182 <i>23.2^{abg}</i>	783 <i>100</i>
OHP: 1	690 <i>77.5</i>	200 <i>22.5^{ab}</i>	890 <i>100</i>
OHP: 2	331 <i>75.9</i>	105 <i>24.1^{ab}</i>	436 <i>100</i>
OHP: 3 or more	203 <i>59.2</i>	140 <i>40.8^{abxy}</i>	343 <i>100</i>
OHP: RCC	21 <i>43.8</i>	27 <i>56.3^{ab}</i>	48 <i>100</i>
OHP: Non-relative FFH	548 <i>72.4</i>	209 <i>27.6^{abm}</i>	757 <i>100</i>
OHP: Relative FFH	489 <i>79.1</i>	129 <i>20.9^{abmn}</i>	618 <i>100</i>
OHP: Group home	75 <i>69.4</i>	33 <i>30.6^{abmo}</i>	108 <i>100</i>
OHP: Other	91 <i>65.9</i>	47 <i>34.1^{abmo}</i>	138 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2005-06 through 2013-14.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

Table M25. OLS regressions. Out-of-home placement status and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP	0.158***	0.143***	0.128***	0.228***	0.205***	0.185***	0.090**	0.082***	-0.087
	[0.011]	[0.011]	[0.021]	[0.017]	[0.017]	[0.034]	[0.037]	[0.031]	[0.245]
Screened-in	0.068*** ^a	0.063*** ^a	0.021*** ^a	0.088*** ^a	0.082*** ^a	0.027*** ^a	0.011	0.004 ^a	-0.001
	[0.004]	[0.004]	[0.007]	[0.006]	[0.006]	[0.010]	[0.021]	[0.018]	[0.101]
N of observations	147,897	147,897	147,897	147,897	147,897	147,897	13,349	13,349	13,349
N of clusters (children)	54,769	54,769	54,769	54,769	54,769	54,769	10,983	10,983	10,983

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table M26. OLS regressions. Length of out-of-home placement and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP: 1 to 4 months	0.165*** [0.019]	0.152*** [0.019]	0.117*** [0.028]	0.228*** [0.029]	0.214*** [0.029]	0.147*** [0.043]	0.068 [0.060]	0.058 [0.050]	-0.088 [0.313]
OHP: 5 to 9 months	0.230*** ^a [0.025]	0.217*** ^a [0.025]	0.204*** [0.040]	0.350*** ^a [0.041]	0.329*** ^a [0.040]	0.305*** ^a [0.067]	0.113 [0.070]	0.141** [0.061]	0.017 [0.373]
OHP: 10 months	0.118*** ^b [0.016]	0.100*** ^{ab} [0.016]	0.071** ^b [0.031]	0.170*** ^b [0.024]	0.141*** ^{ab} [0.023]	0.134*** ^b [0.052]	0.094 [0.060]	0.061 [0.050]	-0.230 [0.351]
Screened-in	0.067*** ^{abc} [0.004]	0.062*** ^{abc} [0.004]	0.021*** ^{ab} [0.007]	0.088*** ^{abc} [0.006]	0.081*** ^{abc} [0.006]	0.027*** ^{abc} [0.010]	0.011 [0.021]	0.003 ^b [0.018]	-0.002 [0.102]
N of observations	147,897	147,897	147,897	147,897	147,897	147,897	13,349	13,349	13,349
N of clusters (children)	54,769	54,769	54,769	54,769	54,769	54,769	10,983	10,983	10,983

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table M27. OLS regressions. Number of out-of-home placements and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP: 1 placement	0.122*** [0.014]	0.112*** [0.015]	0.120*** [0.025]	0.166*** [0.022]	0.154*** [0.022]	0.161*** [0.038]	0.034 [0.050]	0.033 [0.042]	-0.115 [0.292]
OHP: 2 placements	0.132*** [0.021]	0.116*** [0.021]	0.090*** [0.033]	0.187*** [0.032]	0.163*** [0.031]	0.124** [0.052]	0.074 [0.069]	0.068 [0.057]	-0.188 [0.452]
OHP: 3 or more placements	0.284*** ab [0.027]	0.258*** ab [0.026]	0.211*** b [0.050]	0.444*** ab [0.045]	0.397*** ab [0.042]	0.366*** ab [0.087]	0.189*** [0.069]	0.171*** [0.062]	0.037 [0.351]
Screened-in	0.068*** abc [0.004]	0.063*** abc [0.004]	0.021*** abc [0.007]	0.088*** abc [0.006]	0.082*** abc [0.006]	0.028*** ac [0.010]	0.012 ^c [0.021]	0.004 ^c [0.018]	0.001 [0.102]
N of observations	147,897	147,897	147,897	147,897	147,897	147,897	13,349	13,349	13,349
N of clusters (children)	54,769	54,769	54,769	54,769	54,769	54,769	10,983	10,983	10,983

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table M28. OLS regressions. Out-of-home placement type and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE	
Placement status (base = only SNAP)									
OHP: RCC	0.463*** [0.070]	0.448*** [0.073]	0.310** [0.127]	0.705*** [0.124]	0.690*** [0.128]	0.484** [0.244]	0.172 [0.150]	0.211* [0.126]	-0.016 [0.764]
OHP: Non-relative FFH	0.173*** ^a [0.017]	0.156*** ^a [0.017]	0.152*** [0.033]	0.250*** ^a [0.026]	0.218*** ^a [0.025]	0.210*** [0.051]	0.125** [0.054]	0.061 [0.047]	-0.242 [0.297]
OHP: Relative FFH	0.102*** ^{ab} [0.017]	0.090*** ^{ab} [0.017]	0.096*** [0.031]	0.150*** ^{ab} [0.026]	0.138*** ^{ab} [0.025]	0.145*** [0.051]	0.036 [0.064]	0.101* [0.054]	-0.043 [0.540]
OHP: Group home	0.160*** ^a [0.045]	0.161*** ^a [0.043]	0.143** [0.071]	0.246*** ^a [0.070]	0.246*** ^a [0.069]	0.203** [0.100]	0.118 [0.127]	0.136 [0.109]	0.120 [0.389]
OHP: Other	0.225*** ^{ac} [0.039]	0.197*** ^{ac} [0.039]	0.120** [0.059]	0.290*** ^{ac} [0.058]	0.255*** ^a [0.057]	0.189** [0.088]	0.043 [0.102]	0.014 [0.081]	0.049 [0.305]
Screened-in	0.068*** ^{abcde} [0.004]	0.063*** ^{abde} [0.004]	0.021*** ^{abc} [0.007]	0.089*** ^{abcde} [0.006]	0.082*** ^{abcde} [0.006]	0.028*** ^{bc} [0.010]	0.012 [0.021]	0.004 [0.018]	-0.000 [0.101]
N of observations	147,897	147,897	147,897	147,897	147,897	147,897	13,349	13,349	13,349
N of clusters (children)	54,769	54,769	54,769	54,769	54,769	54,769	10,983	10,983	10,983

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table M29. Percentage of students who experienced a decrease in school quality by OHP status.

Placement status	All students			Students who changed schools		
	Did not decrease school quality	Decrease school quality	Total	Did not decrease school quality	Decrease school quality	Total
Only SNAP	114,994 <i>95.4</i>	5,540 <i>4.6</i>	120,534 <i>100</i>	4,529 <i>45.0</i>	5,540 <i>55.0</i>	10,069 <i>100</i>
Screened-in	6,583 <i>90.3</i>	704 <i>9.7^a</i>	7,287 <i>100</i>	488 <i>40.9</i>	704 <i>59.1^a</i>	1,192 <i>100</i>
OHP	1,221 <i>84.6</i>	223 <i>15.4^{ab}</i>	1,444 <i>100</i>	150 <i>40.2</i>	223 <i>59.8^a</i>	373 <i>100</i>
OHP: 1 to 4 months	417 <i>84.2</i>	78 <i>15.8^{ab}</i>	495 <i>100</i>	55 <i>41.4</i>	78 <i>58.6</i>	133 <i>100</i>
OHP: 5 to 9 months	229 <i>80.4</i>	56 <i>19.6^{ab}</i>	285 <i>100</i>	41 <i>42.3</i>	56 <i>57.7</i>	97 <i>100</i>
OHP: 10 months	575 <i>86.6</i>	89 <i>13.4^{abg}</i>	664 <i>100</i>	54 <i>37.8</i>	89 <i>62.2^a</i>	143 <i>100</i>
OHP: 1	700 <i>86.8</i>	106 <i>13.2^{ab}</i>	806 <i>100</i>	75 <i>41.4</i>	106 <i>58.6</i>	181 <i>100</i>
OHP: 2	328 <i>87.2</i>	48 <i>12.8^{ab}</i>	376 <i>100</i>	40 <i>45.5</i>	48 <i>54.5</i>	88 <i>100</i>
OHP: 3 or more	193 <i>73.7</i>	69 <i>26.3^{abxy}</i>	262 <i>100</i>	35 <i>33.7</i>	69 <i>66.3^a</i>	104 <i>100</i>
OHP: RCC	21 <i>72.4</i>	8 <i>27.6^{ab}</i>	29 <i>100</i>	8 <i>50.0</i>	8 <i>50.0</i>	16 <i>100</i>
OHP: Non-relative FFH	551 <i>84.1</i>	104 <i>15.9^{abm}</i>	655 <i>100</i>	72 <i>40.9</i>	104 <i>59.1</i>	176 <i>100</i>
OHP: Relative FFH	485 <i>88.2</i>	65 <i>11.8^{amn}</i>	550 <i>100</i>	51 <i>44.0</i>	65 <i>56.0</i>	116 <i>100</i>
OHP: Group home	73 <i>79.3</i>	19 <i>20.7^{abo}</i>	92 <i>100</i>	6 <i>24.0</i>	19 <i>76.0^{abmn}</i>	25 <i>100</i>
OHP: Other	91 <i>77.1</i>	27 <i>22.9^{abno}</i>	118 <i>100</i>	13 <i>32.5</i>	27 <i>67.5</i>	40 <i>100</i>

Notes: Row percentages are in italics. Frequencies and percentages were calculated for sample of students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13. A decrease in school quality in reading or math was defined as the significant reduction ($p=0.5$, standard normal distribution) of the schools' value-added from the beginning to the end of the school term.

^aDiffers from only SNAP months at $p<.05$.

^bDiffers from screened-in months at $p<.05$.

^cDiffers from OHP 1-4 months at $p<.05$.

^dDiffers from OHP 5-9 months at $p<.05$.

^eDiffers from OHP 1 placement at $p<.05$.

^fDiffers from OHP 2 placements at $p<.05$.

^gDiffers from OHP RCC at $p<.05$.

^hDiffers from OHP non-relative FFH at $p<.05$.

ⁱDiffers from OHP relative FFH at $p<.05$.

Table M30. Linear probability (OLS) regressions. OHP status and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP	0.091*** [0.010]	0.084*** [0.010]	0.094*** [0.018]	0.039 [0.035]	0.027 [0.027]	0.150 [0.189]
Screened-in	0.043*** ^a [0.004]	0.041*** ^a [0.004]	0.015*** ^a [0.006]	0.032 [0.020]	0.026 [0.016]	0.063 [0.097]
N of observations	129,265	129,265	129,265	11,634	11,634	11,634
N of clusters (children)	49,730	49,730	49,730	9,699	9,699	9,699

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table M31. Linear probability (OLS) regressions. OHP length and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: 1 to 4 months	0.102*** [0.016]	0.096*** [0.016]	0.090*** [0.023]	0.048 [0.052]	0.037 [0.041]	0.138 [0.209]
OHP: 5 to 9 months	0.128*** [0.022]	0.121*** [0.022]	0.128*** [0.037]	0.035 [0.062]	0.010 [0.050]	0.190 [0.303]
OHP: 10 months	0.065*** ^b [0.013]	0.056*** ^{ab} [0.013]	0.067*** [0.025]	0.032 [0.057]	0.030 [0.042]	0.122 [0.372]
Screened-in	0.043*** ^{ab} [0.004]	0.040*** ^{ab} [0.004]	0.015*** ^{ab} [0.006]	0.032 [0.020]	0.026 [0.016]	0.063 [0.097]
N of observations	129,265	129,265	129,265	11,634	11,634	11,634
N of clusters (children)	49,730	49,730	49,730	9,699	9,699	9,699

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table M32. Linear probability (OLS) regressions. Number of OHPs and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: 1 placement	0.074*** [0.012]	0.067*** [0.012]	0.086*** [0.021]	0.029 [0.048]	0.018 [0.037]	0.088 [0.242]
OHP: 2 placements	0.064*** [0.017]	0.060*** [0.017]	0.067** [0.029]	0.028 [0.065]	-0.009 [0.051]	0.251 [0.314]
OHP: 3 or more placements	0.186*** ^{ab} [0.027]	0.170*** ^{ab} [0.026]	0.174*** ^b [0.047]	0.070 [0.061]	0.077 [0.047]	0.266 [0.285]
Screened-in	0.043*** ^{ac} [0.004]	0.041*** ^{ac} [0.004]	0.015** ^{ac} [0.006]	0.032 [0.020]	0.026 [0.016]	0.065 [0.097]
N of observations	129,265	129,265	129,265	11,634	11,634	11,634
N of clusters (children)	49,730	49,730	49,730	9,699	9,699	9,699

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table M33. Linear probability (OLS) regressions. OHP type and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: RCC	0.204** [0.083]	0.208** [0.081]	0.138 [0.165]	-0.055 [0.184]	-0.064 [0.121]	0.138 [0.624]
OHP: Non-relative FFH	0.098*** [0.014]	0.092*** [0.014]	0.120*** [0.028]	0.024 [0.049]	0.030 [0.038]	0.226 [0.253]
OHP: Relative FFH	0.058*** ^b [0.014]	0.047*** ^b [0.014]	0.062** [0.026]	0.024 [0.058]	-0.011 [0.046]	0.028 [0.380]
OHP: Group home	0.115*** [0.040]	0.115*** [0.039]	0.132** [0.059]	0.146 [0.115]	0.111 [0.090]	0.292 [0.296]
OHP: Other	0.162*** ^c [0.037]	0.151*** ^c [0.037]	0.092* [0.055]	0.097 [0.091]	0.105 [0.069]	0.110 [0.373]
Screened-in	0.043*** ^{be}	0.041*** ^{abe} [0.004]	0.015** ^{bd} [0.006]	0.032 [0.020]	0.026 [0.016]	0.065 [0.097]
N of observations	129,265	129,265	129,265	11,634	11,634	11,634
N of clusters (children)	49,730	49,730	49,730	9,699	9,699	9,699

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table M34. Percentage of students whose disability status changed by OHP status.

Placement status	Students whose...		Total
	disability status did not change	disability status changed	
Only SNAP	119,076 <i>96.2</i>	4,666 <i>3.8</i>	123,742 <i>100</i>
Screened-in	6,993 <i>94.4</i>	418 <i>5.6^a</i>	7,411 <i>100</i>
OHP	1,305 <i>93.8</i>	87 <i>6.3^a</i>	1,392 <i>100</i>
OHP: 1 to 4 months	430 <i>94.3</i>	26 <i>5.7^a</i>	456 <i>100</i>
OHP: 5 to 9 months	273 <i>91.9</i>	24 <i>8.1^{ab}</i>	297 <i>100</i>
OHP: 10 months	602 <i>94.2</i>	37 <i>5.8^a</i>	639 <i>100</i>
OHP: 1	686 <i>94.2</i>	42 <i>5.8^a</i>	728 <i>100</i>
OHP: 2	360 <i>94.7</i>	20 <i>5.3</i>	380 <i>100</i>
OHP: 3 or more	259 <i>91.2</i>	25 <i>8.8^{abxy}</i>	284 <i>100</i>
OHP: RCC	39 <i>90.7</i>	4 <i>9.3^a</i>	43 <i>100</i>
OHP: Non-relative FFH	573 <i>92.7</i>	45 <i>7.3^{ab}</i>	618 <i>100</i>
OHP: Relative FFH	477 <i>94.1</i>	30 <i>5.9^a</i>	507 <i>100</i>
OHP: Group home	89 <i>94.7</i>	5 <i>5.3</i>	94 <i>100</i>
OHP: Other	127 <i>97.7</i>	3 <i>2.3^{mno}</i>	130 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 and from school years 2005-06 through 2013-14. A student's disability status change could be from "no disability" to "disability" or vice versa.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

Table M35. Linear probability (OLS) regressions. OHP status and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP	0.031*** [0.007]	0.028*** [0.007]	0.030*** [0.007]	0.028*** [0.007]	-0.004 [0.013]	-0.005 [0.013]
Screened-in	0.022*** [0.003]	0.021*** [0.003]	0.021*** [0.003]	0.020*** [0.003]	0.009** [0.004]	0.009** [0.004]
School instability		0.015*** [0.002]		0.014*** [0.002]		0.008*** [0.003]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 132,545. Number of clusters (children): 50,059. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table M39. High school completion and graduation rates by out-of-home placement

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
Place out-of-home	79	239	94	233	98	235	81	239	96	233	101	235
	<i>33.10</i>	<i>100.00</i>	<i>40.30</i>	<i>100.00</i>	<i>41.70</i>	<i>100.00</i>	<i>33.90</i>	<i>100.00</i>	<i>41.20</i>	<i>100.00</i>	<i>43.00</i>	<i>100.00</i>
Screened-in	446	996	521	992	540	997	470	996	547	992	570	997
	<i>44.80^a</i>	<i>100.00</i>	<i>52.50^a</i>	<i>100.00</i>	<i>54.20^a</i>	<i>100.00</i>	<i>47.20^a</i>	<i>100.00</i>	<i>55.10^a</i>	<i>100.00</i>	<i>57.20^a</i>	<i>100.00</i>
Only SNAP	5,213	9,249	6,274	9,936	6,790	10,451	5,294	9,249	6,370	9,936	6,921	10,451
	<i>56.40^{ab}</i>	<i>100.00</i>	<i>63.10^{ab}</i>	<i>100.00</i>	<i>65.00^{ab}</i>	<i>100.00</i>	<i>57.20^{ab}</i>	<i>100.00</i>	<i>64.10^{ab}</i>	<i>100.00</i>	<i>66.20^{ab}</i>	<i>100.00</i>

Note: 10,484 students for the 4-year time frame, 11,161 students for the 5-year time frame, and 11,683 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table M40. High school completion and graduation rates by out-of-home placement length

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 to 5 months	19 38.80	49 100.00	22 46.80	47 100.00	22 45.80	48 100.00	20 40.80	49 100.00	23 48.90	47 100.00	23 47.90	48 100.00
OHP: 6 to 10 months	6 22.20	27 100.00	7 25.90 ^a	27 100.00	7 25.90 ^a	27 100.00	6 22.20	27 100.00	7 25.90 ^a	27 100.00	7 25.90 ^a	27 100.00
OHP: 11 to 20 months	10 20.40 ^a	49 100.00	13 28.90 ^a	45 100.00	15 33.30	45 100.00	11 22.40 ^a	49 100.00	14 31.10 ^a	45 100.00	16 35.60	45 100.00
OHP: 21 to 30 / 21 or more	44 38.60 ^c	114 100.00	10 23.30 ^a	43 100.00	10 23.30 ^a	43 100.00	44 38.60 ^c	114 100.00	10 23.30 ^a	43 100.00	10 23.30 ^a	43 100.00
OHP: 31 or more			42 59.20 ^{bcd}	71 100.00	44 61.10 ^{abcd}	72 100.00			42 59.20 ^{bcd}	71 100.00	45 62.50 ^{bcd}	72 100.00
Screened-in	446 44.80 ^{bc}	996 100.00	521 52.50 ^{bcd}	992 100.00	540 54.20 ^{bcd}	997 100.00	470 47.20 ^{bcd}	996 100.00	547 55.10 ^{bcd}	992 100.00	570 57.20 ^{bcd}	997 100.00
Only SNAP	5,213 56.40 ^{abcdf}	9,249 100.00	6,274 63.10 ^{abcdf}	9,936 100.00	6,790 65.00 ^{abcd}	10,451 100.00	5,294 57.20 ^{abcdf}	9,249 100.00	6,370 64.10 ^{abcd}	9,936 100.00	6,921 66.20 ^{abcd}	10,451 100.00

Note: 10,484 students for the 4-year time frame, 11,161 students for the 5-year time frame, and 11,683 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP 1-5 months at p<.05.

^bDiffers from OHP 6-10 months at p<.05.

^cDiffers from OHP 11-20 months at p<.05.

^dDiffers from OHP 21-30 / 21 or more at p<.05.

^eDiffers from OHP 31 months or more at p<.05.

^fDiffers from SI at p<.05.

Table M41. High school completion and graduation rates by number of out-of-home placements

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 placement	24 <i>36.40</i>	66 <i>100.00</i>	30 <i>46.90</i>	64 <i>100.00</i>	31 <i>47.70</i>	65 <i>100.00</i>	25 <i>37.90</i>	66 <i>100.00</i>	31 <i>48.40</i>	64 <i>100.00</i>	32 <i>49.20</i>	65 <i>100.00</i>
OHP: 2 placements	23 <i>41.80</i>	55 <i>100.00</i>	23 <i>43.40</i>	53 <i>100.00</i>	24 <i>46.20</i>	52 <i>100.00</i>	24 <i>43.60</i>	55 <i>100.00</i>	24 <i>45.30</i>	53 <i>100.00</i>	26 <i>50.00</i>	52 <i>100.00</i>
OHP: 3 placements	11 <i>39.30</i>	28 <i>100.00</i>	11 <i>45.80</i>	24 <i>100.00</i>	12 <i>48.00</i>	25 <i>100.00</i>	11 <i>39.30</i>	28 <i>100.00</i>	11 <i>45.80</i>	24 <i>100.00</i>	12 <i>48.00</i>	25 <i>100.00</i>
OHP: 4 or more	21 <i>23.30^{abc}</i>	90 <i>100.00</i>	30 <i>32.60^a</i>	92 <i>100.00</i>	31 <i>33.30^a</i>	93 <i>100.00</i>	21 <i>23.30^{abc}</i>	90 <i>100.00</i>	30 <i>32.60^a</i>	92 <i>100.00</i>	31 <i>33.30^{ab}</i>	93 <i>100.00</i>
Screened-in	446 <i>44.80^d</i>	996 <i>100.00</i>	521 <i>52.50^d</i>	992 <i>100.00</i>	540 <i>54.20^d</i>	997 <i>100.00</i>	470 <i>47.20^d</i>	996 <i>100.00</i>	547 <i>55.10^d</i>	992 <i>100.00</i>	570 <i>57.20^d</i>	997 <i>100.00</i>
Only SNAP	5,213 <i>56.40^{abcde}</i>	9,249 <i>100.00</i>	6,274 <i>63.10^{abcde}</i>	9,936 <i>100.00</i>	6,790 <i>65.00^{abcde}</i>	10,451 <i>100.00</i>	5,294 <i>57.20^{abcde}</i>	9,249 <i>100.00</i>	6,370 <i>64.10^{abcde}</i>	9,936 <i>100.00</i>	6,921 <i>66.20^{abcde}</i>	10,451 <i>100.00</i>

Note: 10,484 students for the 4-year time frame, 11,161 students for the 5-year time frame, and 11,683 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 placements at p<.05.

^dDiffers from 4 or more placements at p<.05.

^eDiffers from SI at p<.05.

Table M42. High school completion and graduation rates by out-of-home placement type

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: RCC	1 <i>7.10</i>	14 <i>100.00</i>	1 <i>7.70</i>	13 <i>100.00</i>	1 <i>8.30</i>	12 <i>100.00</i>	1 <i>7.10</i>	14 <i>100.00</i>	1 <i>7.70</i>	13 <i>100.00</i>	1 <i>8.30</i>	12 <i>100.00</i>
OHP: Non- relative FFH	39 <i>49.40^a</i>	79 <i>100.00</i>	41 <i>54.70^a</i>	75 <i>100.00</i>	44 <i>58.70^a</i>	75 <i>100.00</i>	40 <i>50.60^a</i>	79 <i>100.00</i>	42 <i>56.00^a</i>	75 <i>100.00</i>	45 <i>60.00^a</i>	75 <i>100.00</i>
OHP: Relative FFH	18 <i>33.30^{ab}</i>	54 <i>100.00</i>	21 <i>41.20^a</i>	51 <i>100.00</i>	22 <i>43.10^{ab}</i>	51 <i>100.00</i>	18 <i>33.30^{ab}</i>	54 <i>100.00</i>	21 <i>41.20^a</i>	51 <i>100.00</i>	23 <i>45.10^{ab}</i>	51 <i>100.00</i>
OHP: Group home	14 <i>25.50^b</i>	55 <i>100.00</i>	22 <i>38.60^{ab}</i>	57 <i>100.00</i>	22 <i>37.30^{ab}</i>	59 <i>100.00</i>	15 <i>27.30^b</i>	55 <i>100.00</i>	23 <i>40.40^{ab}</i>	57 <i>100.00</i>	23 <i>39.00^{ab}</i>	59 <i>100.00</i>
OHP: Other	7 <i>18.90^b</i>	37 <i>100.00</i>	9 <i>24.30^{bc}</i>	37 <i>100.00</i>	9 <i>23.70^{bc}</i>	38 <i>100.00</i>	7 <i>18.90^b</i>	37 <i>100.00</i>	9 <i>24.30^{bc}</i>	37 <i>100.00</i>	9 <i>23.70^{bc}</i>	38 <i>100.00</i>
Screened-in	446 <i>44.80^{acde}</i>	996 <i>100.00</i>	521 <i>52.50^{ade}</i>	992 <i>100.00</i>	540 <i>54.20^{ade}</i>	997 <i>100.00</i>	470 <i>47.20^{acde}</i>	996 <i>100.00</i>	547 <i>55.10^{acde}</i>	992 <i>100.00</i>	570 <i>57.20^{acde}</i>	997 <i>100.00</i>
Only SNAP	5,213 <i>56.40^{acdef}</i>	9,249 <i>100.00</i>	6,274 <i>63.10^{acdef}</i>	9,936 <i>100.00</i>	6,790 <i>65.00^{acdef}</i>	10,451 <i>100.00</i>	5,294 <i>57.20^{acdef}</i>	9,249 <i>100.00</i>	6,370 <i>64.10^{acdef}</i>	9,936 <i>100.00</i>	6,921 <i>66.20^{acdef}</i>	10,451 <i>100.00</i>

Note: 10,484 students for the 4-year time frame, 11,161 students for the 5-year time frame, and 11,683 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

^fDiffers from SI at p<.05.

Table M43. Linear Probability (OLS) regressions. High school completion and high school graduation by out-of-home placement status.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.164*** [0.050]	-0.147*** [0.051]	-0.155*** [0.053]	-0.166*** [0.051]	-0.149*** [0.052]	-0.161*** [0.054]
Screened-in	-0.100*** [0.014]	-0.086*** [0.016]	-0.085*** [0.015]	-0.090*** [0.014]	-0.076*** [0.017]	-0.074*** [0.017]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.070*** [0.018]	-0.085*** [0.020]	-0.088*** [0.019]	-0.067*** [0.018]	-0.085*** [0.019]	-0.086*** [0.019]
Ever screened-in	0.007 [0.048]	-0.032 [0.044]	-0.026 [0.051]	0.009 [0.050]	-0.032 [0.046]	-0.024 [0.052]
School FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.108*** [0.039]	-0.071* [0.040]	-0.082** [0.040]	-0.109*** [0.040]	-0.075* [0.040]	-0.090** [0.041]
Screened-in	-0.093*** [0.013]	-0.085*** [0.016]	-0.084*** [0.016]	-0.077*** [0.013]	-0.068*** [0.017]	-0.068*** [0.017]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.068*** [0.019]	-0.081*** [0.016]	-0.079*** [0.015]	-0.068*** [0.020]	-0.083*** [0.017]	-0.080*** [0.015]
Ever screened-in	-0.000 [0.044]	-0.030 [0.039]	-0.017 [0.041]	-0.005 [0.044]	-0.037 [0.040]	-0.019 [0.042]
N of observations	10,484	11,161	11,683	10,484	11,161	11,683
N of clusters (schools)	82	83	83	82	83	83

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012). Placement status coefficients do not differ significantly at p<.05.

* p<0.1; ** p<0.05; *** p<0.01.

TABLES N1 – N43

Madison Metropolitan School District

Table N1. Out-of-home placement status and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
Total	25,245	1.000		
OHP during test	154	0.006	-1.25	-1.19
OHP before test	107	0.004	-1.18	-1.03
Screened-in and placed OH later	34	0.001	-1.46	-1.55 ^b
Screened-in but not placed OH later	1,585	0.063	-1.02 ^a	-0.97 ^{ac}
Only SNAP	23,365	0.926	-0.81 ^{abcd}	-0.76 ^{abcd}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test.

^bDiffers from OHP before test.

^cDiffers from screened-in and placed OH later.

^dDiffers from screened-in but not placed OH later.

Table N2. Length of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP during test: 1 to 3 months	37	0.001	-0.98	-0.99
OHP during test: 4 to 7 months	36	0.001	-1.38	-1.25
OHP during test: 8 to 12 months	81	0.003	-1.31	-1.27
OHP before test: 1 to 3 months	56	0.002	-1.04	-0.85 ^c
OHP before test: 4 to 7 months	35	0.001	-1.64 ^d	-1.24
OHP before test: 8 to 12 months	16	0.001	-0.76	-1.23
Screened-in and placed OH later	34	0.001	-1.46	-1.55 ^d
Screened-in but not placed OH later	1,585	0.063	-1.02 ^e	-0.97 ^{cg}
Only SNAP	23,365	0.926	-0.81 ^{bcegh}	-0.76 ^{bcegh}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 25,245 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test 1-3 months.

^bDiffers from OHP during test 4-7 months.

^cDiffers from OHP during test 8-12 months.

^dDiffers from OHP before test 1-3 months.

^eDiffers from OHP before test 4-7 months.

^fDiffers from OHP before test 8-11 months.

^gDiffers from screened-in and placed OH later.

^hDiffers from screened-in but not placed OH later.

Table N3. Number of out-of-home placements and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: 1	129	0.005	-1.21	-1.05
OHP: 2	87	0.003	-1.39	-1.23
OHP: 3 or more	45	0.002	-0.93	-1.14
Screened-in and placed OH later	34	0.001	-1.46	-1.55 ^a
Screened-in but not placed OH later	1,585	0.063	-1.02 ^b	-0.97 ^{bd}
Only SNAP	23,365	0.926	-0.81 ^{abde}	-0.76 ^{abcde}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 25,245 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP 1 placement.

^bDiffers from OHP 2 placements.

^cDiffers from OHP 3 or more placements.

^dDiffers from screened-in and placed OH later.

^eDiffers from screened-in but not placed OH later.

Table N4. Most frequent type of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: RCC	26	0.001	-1.66	-1.74
OHP: Non-relative FFH	130	0.005	-1.25	-1.08 ^a
OHP: Relative FFH	63	0.002	-1.24	-0.94 ^a
OHP: Group home	25	0.001	-0.94	-1.34
OHP: Other	17	0.001	-0.79	-1.06
Screened-in and placed OH later	34	0.001	-1.46	-1.55 ^{bc}
Screened-in but not placed OH later	1,585	0.063	-1.02 ^a	-0.97 ^{af}
Only SNAP	23,365	0.926	-0.81 ^{abcdgh}	-0.76 ^{abdfg}

Note Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 25,245 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP RCC.

^bDiffers from OHP non-relative FFH.

^cDiffers from OHP relative FFH.

^dDiffers from OHP group home.

^eDiffers from OHP another type of placement.

^fDiffers from screened-in and placed OH later.

^gDiffers from screened-in but not placed OH later.

Table N5. OLS regressions. Out-of-home placement status and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test	-0.097 [0.115]	-0.183* [0.111]	-0.051 [0.092]	-0.222 [0.173]	-0.109 [0.099]	-0.175 [0.107]	-0.051 [0.082]	-0.064 [0.142]
OHP before test	-0.072 [0.109]	-0.084 [0.105]	-0.042 [0.097]	-0.010 [0.122]	-0.031 [0.100]	-0.017 [0.097]	0.092 [0.101]	0.029 [0.111]
Screened-in and placed out-of-home later	-0.401* [0.226]	-0.378* [0.217]	-0.104 [0.221]	-0.196 [0.359]	-0.472** [0.213]	-0.475** [0.223]	-0.313 [0.212]	-0.307 [0.328]
Screened-in but not placed out-of-home later	-0.188*** [0.032]	-0.201*** [0.033]	-0.069** [0.029]	-0.023 [0.037]	-0.165*** [0.028]	-0.175*** [0.030]	-0.071*** [0.025]	-0.004 [0.030]
N of observations	24,484	24,484	17,041	24,484	24,543	24,543	17,105	24,543
N of clusters (children)	9,596	9,596	7,204	9,596	9,607	9,607	7,221	9,607

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 3 and 7. None of the coefficients across placement status differs statistically significantly at $p < .05$.

* $p < 0.1$; ** $p < 0.05$; *** $p < 0.01$.

Table N6. OLS regressions. Out-of-home placement length and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test: 1 to 3 months	-0.057 [0.192]	-0.106 [0.163]	-0.008 [0.167]	-0.090 [0.259]	-0.124 [0.179]	-0.152 [0.160]	-0.114 [0.191]	-0.079 [0.209]
OHP during test: 4 to 7 months	-0.220 [0.261]	-0.305 [0.243]	-0.220 [0.203]	-0.505* [0.294]	-0.114 [0.172]	-0.196 [0.176]	-0.125 [0.098]	-0.225 [0.250]
OHP during test: 8 to 12 months	-0.062 [0.151]	-0.162 [0.156]	0.008 [0.130]	-0.095 [0.264]	-0.100 [0.142]	-0.178 [0.170]	0.022 [0.121]	0.116 [0.155]
OHP before test: 1 to 3 months	0.030 [0.132]	0.084 [0.127]	0.095 [0.127]	0.046 [0.162]	0.078 [0.132]	0.180 [0.123]	0.285**b [0.139]	0.079 [0.148]
OHP before test: 4 to 7 months	-0.324 [0.242]	-0.430**d [0.212]	-0.206 [0.179]	-0.070 [0.234]	-0.124 [0.206]	-0.153 [0.182]	-0.136 [0.206]	-0.014 [0.232]
OHP before test: 8 to 12 months	0.104 [0.210]	0.052 [0.256]	-0.085 [0.222]	-0.060 [0.248]	-0.223 [0.187]	-0.439**d [0.230]	-0.042 [0.091]	-0.036 [0.115]
Screened-in and placed OH later	-0.402* [0.225]	-0.377*d [0.217]	-0.104 [0.221]	-0.201 [0.358]	-0.472**d [0.213]	-0.475**d [0.223]	-0.312d [0.212]	-0.302 [0.329]
Screened-in but not placed OH later	-0.187***d [0.032]	-0.201*** [0.033]	-0.068** [0.029]	-0.023 [0.037]	-0.165*** [0.028]	-0.175***d [0.030]	-0.070***d [0.025]	-0.003 [0.030]
N of observations	24,484	24,484	17,041	24,484	24,543	24,543	17,105	24,543
N of clusters (children)	9,596	9,596	7,204	9,596	9,607	9,607	7,221	9,607

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^bDiffers from OHP before test 4-7 months at p<.05.

^dDiffers from OHP before test 1-3 months at p<.05.

Table N7. OLS regressions. Number of out-of-home placements and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP: 1 placement	-0.111 [0.097]	-0.141 [0.091]	0.013 [0.086]	-0.041 [0.138]	-0.049 [0.096]	-0.060 [0.102]	0.111 [0.100]	0.056 [0.123]
OHP: 2 placements	-0.279* [0.148]	-0.343** [0.150]	-0.182 [0.138]	-0.193 [0.180]	-0.113 [0.125]	-0.209 [0.128]	-0.089 [0.107]	-0.062 [0.134]
OHP: 3 or more placements	0.360**ab [0.172]	0.245ab [0.161]	0.043 [0.152]	-0.122 [0.144]	-0.082 [0.162]	-0.063 [0.147]	-0.102 [0.110]	-0.191 [0.126]
Screened-in and placed OH later	-0.395*c [0.227]	-0.376*c [0.218]	-0.104 [0.221]	-0.197 [0.357]	-0.472** [0.213]	-0.474** [0.223]	-0.312 [0.212]	-0.318 [0.327]
Screened-in but not placed OH later	-0.188***c [0.032]	-0.200***c [0.033]	-0.069** [0.029]	-0.021 [0.037]	-0.164*** [0.028]	-0.174*** [0.030]	-0.071*** [0.025]	-0.003 [0.030]
N of observations	24,484	24,484	17,041	24,484	24,543	24,543	17,105	24,543
N of clusters (children)	9,596	9,596	7,204	9,596	9,607	9,607	7,221	9,607

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^bDiffers from 2 placements at p<.05.

^aDiffers from 1 placement at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table N8. OLS regressions. Type of out-of-home placement and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP: RCC	-0.126 [0.319]	-0.395 [0.286]	0.033 [0.166]	0.146 [0.331]	-0.404 [0.254]	-0.586** [0.251]	-0.259 [0.272]	-0.571 [0.350]
OHP: Non-relative FFH	-0.077 [0.105]	-0.118 [0.104]	-0.135 [0.094]	-0.195 [0.130]	-0.022 [0.093]	-0.022 ^a [0.099]	0.012 [0.079]	0.102 [0.108]
OHP: Relative FFH	-0.216 [0.151]	-0.293* [0.157]	-0.056 [0.127]	-0.167 [0.266]	0.031 [0.134]	-0.031 ^a [0.118]	0.021 [0.098]	0.010 [0.109]
OHP: Group home	0.066 [0.246]	0.054 [0.247]	0.112 [0.154]	-0.027 [0.301]	-0.333 [0.247]	-0.389 [0.266]	-0.150 [0.198]	-0.068 [0.260]
OHP: Other	0.198 [0.220]	0.270* ^{abc} [0.155]	0.300* ^{ab} [0.139]	0.271 [0.286]	-0.096 [0.352]	-0.029 [0.260]	0.479 [0.344]	0.138 [0.318]
Screened-in and placed OH later	-0.399* [0.226]	-0.377* ^e [0.217]	-0.103 [0.221]	-0.193 [0.359]	-0.473* ^{bc} [0.213]	-0.476** [0.223]	-0.311 [0.212]	-0.295 [0.329]
Screened-in but not placed OH later	-0.188*** [0.032]	-0.201*** [0.033]	-0.068* ^{ce} [0.029]	-0.022 [0.037]	-0.164*** [0.028]	-0.174*** [0.030]	-0.069*** [0.025]	-0.003 [0.030]
N of observations	24,484	24,484	17,041	24,484	24,543	24,543	17,105	24,543
N of clusters (children)	9,596	9,596	7,204	9,596	9,607	9,607	7,221	9,607

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from another type of care at p<.05.

^aDiffers from RRC at p<.05.

^dDiffers from relative FFH at p<.05.

Table N9. Out-of-home placement and test status.

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP	163 <i>95.9</i>	2 <i>1.2</i>	5 <i>2.9</i>	172 <i>98.3</i>	1 <i>0.6</i>	2 <i>1.1</i>
Screened-in	1,032 <i>98.8^a</i>	4 <i>0.4</i>	9 <i>0.9^a</i>	1,039 <i>98.9</i>	3 <i>0.3</i>	9 <i>0.9</i>
Only SNAP	15,839 <i>99.4^{ab}</i>	52 <i>0.3</i>	39 <i>0.2^{ab}</i>	15,891 <i>99.4^{ab}</i>	42 <i>0.3</i>	46 <i>0.3^{ab}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 17,145 student-year observations for reading and 17,205, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table N10. Out-of-home placement length and test status.

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1 to 3 months	57 <i>96.6</i>	0 <i>0.0</i>	2 <i>3.4</i>	64 <i>100.0</i>	0 <i>0.0</i>	0 <i>0.0</i>
OHP: 4 to 7 months	46 <i>93.9</i>	1 <i>2.0</i>	2 <i>4.1</i>	48 <i>98.0</i>	0 <i>0.0</i>	1 <i>2.0</i>
OHP: 8 to 12 months	60 <i>96.8</i>	1 <i>1.6</i>	1 <i>1.6</i>	60 <i>96.8</i>	1 <i>1.6</i>	1 <i>1.6</i>
Screened-in	1,032 <i>98.8</i>	4 <i>0.4</i>	9 <i>0.9</i>	1,039 <i>98.9</i>	3 <i>0.3</i>	9 <i>0.9</i>
Only SNAP	15,839 <i>99.4</i>	52 <i>0.3</i>	39 <i>0.2</i>	15,891 <i>99.4</i>	42 <i>0.3</i>	46 <i>0.3</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 17,145 student-year observations for reading and 17,205, for math. Test status was measured in school years 2006-07 through 2013-14.

Table N11. Number of out-of-home placements and test status.

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1	86	0	1	89	0	0
	<i>98.9</i>	<i>0.0</i>	<i>1.1</i>	<i>100.0</i>	<i>0.0</i>	<i>0.0</i>
OHP: 2	54	2	3	57	1	2
	<i>91.5</i>	<i>3.4</i>	<i>5.1</i>	<i>95.0</i>	<i>1.7</i>	<i>3.3</i>
OHP: 3 or more	23	0	1	26	0	0
	<i>95.8</i>	<i>0.0</i>	<i>4.2</i>	<i>100.0</i>	<i>0.0</i>	<i>0.0</i>
Screened-in	1,032	4	9	1,039	3	9
	<i>98.8</i>	<i>0.4</i>	<i>0.9</i>	<i>98.9</i>	<i>0.3</i>	<i>0.9</i>
Only SNAP	15,839	52	39	15,891	42	46
	<i>99.4</i>	<i>0.3</i>	<i>0.2</i>	<i>99.4</i>	<i>0.3</i>	<i>0.3</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 17,145 student-year observations for reading and 17,205, for math. Test status was measured in school years 2006-07 through 2013-14.

Table N12. Most frequent type of out-of-home placement and test status.

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: RCC	12	1	2	15	1	0
	<i>80.0</i>	<i>6.7</i>	<i>13.3</i>	<i>93.8</i>	<i>6.2</i>	<i>0.0</i>
OHP: Non-relative FFH	88	1	0	93	0	0
	<i>98.9</i>	<i>1.1</i>	<i>0.0</i>	<i>100.0</i>	<i>0.0</i>	<i>0.0</i>
OHP: Relative FFH	34	0	1	34	0	1
	<i>97.1</i>	<i>0.0</i>	<i>2.9</i>	<i>97.1</i>	<i>0.0</i>	<i>2.9</i>
OHP: Group home	15	0	2	16	0	1
	<i>88.2</i>	<i>0.0</i>	<i>11.8</i>	<i>94.1</i>	<i>0.0</i>	<i>5.9</i>
OHP: Other	14	0	0	14	0	0
	<i>100.0</i>	<i>0.0</i>	<i>0.0</i>	<i>100.0</i>	<i>0.0</i>	<i>0.0</i>
Screened-in	1,032	4	9	1,039	3	9
	<i>98.8</i>	<i>0.4</i>	<i>0.9</i>	<i>98.9</i>	<i>0.3</i>	<i>0.9</i>
Only SNAP	15,839	52	39	15,891	42	46
	<i>99.4</i>	<i>0.3</i>	<i>0.2</i>	<i>99.4</i>	<i>0.3</i>	<i>0.3</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 17,145 student-year observations for reading and 17,205, for math. Test status was measured in school years 2006-07 through 2013-14.

Table N13. OLS regressions. OHP and test status given that student took the regular (WKCE) test in the previous year.

	Reading						Math					
	Alternative test			No test			Alternative test			No test		
	(1) District FE	(2) School FE	(3) Child FE	(4) District FE	(5) School FE	(6) Child FE	(7) District FE	(8) School FE	(9) Child FE	(10) District FE	(11) School FE	(12) Child FE
Placement status (base = only SNAP)												
OHP	0.007 [0.012]	0.010 [0.009]	-0.004 [0.020]	0.025* [0.015]	0.022 [0.015]	0.030 [0.026]	0.003 [0.008]	0.003 [0.005]	-0.010 [0.010]	0.006 [0.009]	0.006 [0.009]	0.009 [0.012]
Screened-in	-0.002 [0.002]	0.001 [0.002]	0.001 [0.002]	0.004 [0.004]	0.004 [0.003]	0.003 [0.005]	-0.002** [0.001]	-0.000 [0.002]	-0.000 [0.001]	0.003 [0.003]	0.004 [0.003]	0.002 [0.004]
N of observations	17,092	17,092	17,092	17,087	17,087	17,087	17,148	17,148	17,148	17,159	17,159	17,159
N of clusters (children)	7,227	7,227	7,227	7,215	7,215	7,215	7,240	7,240	7,240	7,235	7,235	7,235

Notes: Coefficients and robust and clustered standard errors presented. In columns 1, 2, 3, 7, 8, and 9, the dependent variable is an indicator equal to one when the student took the alternative test (WAA) and zero when the student took the regular test (WKCE). In the other columns, the dependent variable is an indicator equal to one when the student took no test and zero when the student took the regular test. All regressions control for the student's test score in the previous year, whether the student's family was eligible for school lunch in the year of the test, whether the student's age is above the normative age for her grade in the previous school year, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, disability status, family structure and number of children in the household in the year of the test, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the year of the test, grade in the previous year, and current school year. In addition, regressions that include school or district fixed-effects (columns 1, 2, 4, 5, 7, 8, 10, and 11) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students from school years 2006-07 through 2013-14 who took the regular test in the previous year when they were in grades 3 through 7. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table N14. Students retained by OHP status.

Placement status	Students who were...		Total
	not retained	retained	
Only SNAP	18,866 <i>99.7</i>	49 <i>0.3</i>	18,915 <i>100.0</i>
Screened-in	1,145 <i>99.4</i>	7 <i>0.6</i>	1,152 <i>100.0</i>
OHP	230 <i>99.6</i>	1 <i>0.4</i>	231 <i>100.0</i>
OHP: 1 to 4 months	99 <i>99.0</i>	1 <i>1.0</i>	100 <i>100.0</i>
OHP: 5 to 9 months	64 <i>100.0</i>	0 <i>0.0</i>	64 <i>100.0</i>
OHP: 10 months	67 <i>100.0</i>	0 <i>0.0</i>	67 <i>100.0</i>
OHP: 1	122 <i>100.0</i>	0 <i>0.0</i>	122 <i>100.0</i>
OHP: 2	70 <i>98.6</i>	1 <i>1.4</i>	71 <i>100.0</i>
OHP: 3 or more	38 <i>100.0</i>	0 <i>0.0</i>	38 <i>100.0</i>
OHP: RCC	26 <i>100.0</i>	0 <i>0.0</i>	26 <i>100.0</i>
OHP: Non-relative FFH	110 <i>99.1</i>	1 <i>0.9</i>	111 <i>100.0</i>
OHP: Relative FFH	42 <i>100.0</i>	0 <i>0.0</i>	42 <i>100.0</i>
OHP: Group home	32 <i>100.0</i>	0 <i>0.0</i>	32 <i>100.0</i>
OHP: Other	20 <i>100.0</i>	0 <i>0.0</i>	20 <i>100.0</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for the sample of students in grades 1 through 12 in school years 2005-06 through 2012-13. Retention: Students who were retained in the same grade level in the next school year.

Table N15. Linear probability (OLS) regressions. OHP status and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP	0.001	0.000	-0.005***
	[0.005]	[0.005]	[0.002]
Screened-in but not placed out-of-home later	0.005*	0.004	0.003 ^a
	[0.003]	[0.003]	[0.003]
N of observations	20,298	20,298	18,628
N of clusters (children)	8,162	8,162	7,638

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes the sample from year 2005-06.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table N19. Students with at least one disciplinary incident by OHP status.

Placement status	Students who were...		Total
	no disciplinary incident	at least one disciplinary incident	
Only SNAP	18,105	3,597	21,702
	<i>83.4</i>	<i>16.6</i>	<i>100</i>
Screened-in	917	408	1,325
	<i>69.2</i>	<i>30.8a</i>	<i>100</i>
OHP	133	138	271
	<i>49.1</i>	<i>50.9ab</i>	<i>100</i>
OHP: 1 to 4 months	59	70	129
	<i>45.7</i>	<i>54.3ab</i>	<i>100</i>
OHP: 5 to 9 months	35	36	71
	<i>49.3</i>	<i>50.7ab</i>	<i>100</i>
OHP: 10 months	39	32	71
	<i>54.9</i>	<i>45.1ab</i>	<i>100</i>
OHP: 1	72	78	150
	<i>48.0</i>	<i>52.0</i>	<i>100</i>
OHP: 2	36	35	71
	<i>50.7</i>	<i>49.3</i>	<i>100</i>
OHP: 3 or more	25	25	50
	<i>50.0</i>	<i>50.0</i>	<i>100</i>
OHP: RCC	9	31	40
	<i>22.5</i>	<i>77.5ab</i>	<i>100</i>
OHP: Non-relative FFH	75	46	121
	<i>62.0</i>	<i>38.0ac</i>	<i>100</i>
OHP: Relative FFH	33	14	47
	<i>70.2</i>	<i>29.8ac</i>	<i>100</i>
OHP: Group home	8	24	32
	<i>25.0</i>	<i>75.0abde</i>	<i>100</i>
OHP: Other	8	23	31
	<i>25.8</i>	<i>74.2abde</i>	<i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2006-07 through 2013-14. Disciplinary incidents include expulsion, out-of-school suspension, and placement in an IAES.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

^pDiffers from OHP group home at p<.05.

Table N20. Linear probability (OLS) regressions. OHP status and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP	0.148*** [0.032]	0.156*** [0.032]	0.111*** [0.030]	-0.013 [0.056]
Screened-in	0.093*** [0.014]	0.110*** [0.013]	0.097*** [0.013]	0.037* [0.019]
N of observations	23,298	23,298	21,387	23,298
N of clusters (children)	9,209	9,209	8,648	9,209

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes students from year 2006-07. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table N21. Linear probability (OLS) regressions. Length of OHP and disciplinary incidents (Madison)

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 to 4 months	0.161*** [0.042]	0.190*** [0.042]	0.124*** [0.041]	-0.022 [0.064]
OHP: 5 to 9 months	0.152*** [0.058]	0.145** [0.057]	0.123** [0.057]	0.026 [0.103]
OHP: 10 months	0.115 [0.070]	0.104 [0.068]	0.073 [0.065]	-0.061 [0.131]
Screened-in	0.092*** [0.014]	0.109*** [0.013]	0.097*** [0.013]	0.037* [0.019]
N of observations	23,298	23,298	21,387	23,298
N of clusters (children)	9,209	9,209	8,648	9,209

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table N22. Linear probability (OLS) regressions. Number of OHPs and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 placement	0.151*** [0.042]	0.172*** [0.042]	0.108*** [0.040]	-0.015 [0.067]
OHP: 2 placements	0.164*** [0.063]	0.152*** [0.056]	0.144*** [0.053]	0.029 [0.104]
OHP: 3 or more placements	0.120* [0.066]	0.116 [0.074]	0.077 [0.071]	-0.058 [0.106]
Screened-in	0.093*** [0.014]	0.110*** [0.013]	0.097*** [0.013]	0.037* [0.019]
N of observations	23,298	23,298	21,387	23,298
N of clusters (children)	9,209	9,209	8,648	9,209

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07. None of the coefficients are significantly different across placement status.

* p<0.1; ** p<0.05; *** p<0.01.

Table N23. Linear probability (OLS) regressions. Out-of-home placement type and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: RCC	0.260*** [0.078]	0.280*** [0.071]	0.191*** [0.070]	0.043 [0.148]
OHP: Non-relative FFH	0.077 [0.052]	0.080 ^a [0.052]	0.060 [0.049]	-0.109 [0.097]
OHP: Relative FFH	0.046 [0.081]	0.026 ^a [0.077]	0.018 [0.067]	-0.046 [0.136]
OHP: Group home	0.304*** ^{bc} [0.075]	0.311*** ^{bc} [0.076]	0.188** [0.081]	0.112 [0.117]
OHP: Other	0.235*** [0.087]	0.316*** ^{bc} [0.081]	0.257*** ^{bc} [0.075]	0.075 [0.111]
Screened-in	0.092*** ^{ad} [0.014]	0.109*** ^{ade} [0.013]	0.096*** ^e [0.013]	0.037* [0.019]
N of observations	23,298	23,298	21,387	23,298
N of clusters (children)	9,209	9,209	8,648	9,209

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table N24. Percentage of students who changed schools during the school term by OHP status.

Placement status	Students who...		Total
	did not change schools	changed schools	
Only SNAP	20,763	2,576	23,339
	<i>89.0</i>	<i>11.0</i>	<i>100</i>
Screened-in	1,206	237	1,443
	<i>83.6</i>	<i>16.4^a</i>	<i>100</i>
OHP	138	161	299
	<i>46.2</i>	<i>53.8^{ab}</i>	<i>100</i>
OHP: 1 to 4 months	60	79	139
	<i>43.2</i>	<i>56.8^{ab}</i>	<i>100</i>
OHP: 5 to 9 months	25	56	81
	<i>30.9</i>	<i>69.1^{abf}</i>	<i>100</i>
OHP: 10 months	53	26	79
	<i>67.1</i>	<i>32.9^{abfg}</i>	<i>100</i>
OHP: 1	87	73	160
	<i>54.4</i>	<i>45.6^{ab}</i>	<i>100</i>
OHP: 2	35	51	86
	<i>40.7</i>	<i>59.3^{abx}</i>	<i>100</i>
OHP: 3 or more	16	37	53
	<i>30.2</i>	<i>69.8^{abx}</i>	<i>100</i>
OHP: RCC	11	31	42
	<i>26.2</i>	<i>73.8^{ab}</i>	<i>100</i>
OHP: Non-relative FFH	74	66	140
	<i>52.9</i>	<i>47.1^{abm}</i>	<i>100</i>
OHP: Relative FFH	30	20	50
	<i>60.0</i>	<i>40.0^{abm}</i>	<i>100</i>
OHP: Group home	12	23	35
	<i>34.3</i>	<i>65.7^{abno}</i>	<i>100</i>
OHP: Other	11	21	32
	<i>34.4</i>	<i>65.6^{abno}</i>	<i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2005-06 through 2013-14.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

Table N25. OLS regressions. Out-of-home placement status and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP	0.378*** [0.031]	0.364*** [0.031]	0.356*** [0.055]	0.832*** [0.078]	0.774*** [0.076]	0.873*** [0.141]	0.751*** [0.152]	0.562*** [0.094]	0.830* [0.429]
Screened-in	0.035*** ^a [0.012]	0.038*** ^a [0.011]	0.016 ^a [0.018]	0.055*** ^a [0.018]	0.054*** ^a [0.017]	0.038 ^a [0.026]	0.062 ^a [0.064]	0.032 ^a [0.044]	0.065 [0.213]
N of observations	25,081	25,081	25,081	25,081	25,081	25,081	2,974	2,974	2,974
N of clusters (children)	9,791	9,791	9,791	9,791	9,791	9,791	2,443	2,443	2,443

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table N26. OLS regressions. Length of out-of-home placement and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP: 1 to 4 months	0.393*** [0.045]	0.406*** [0.044]	0.406*** [0.065]	0.804*** [0.106]	0.806*** [0.102]	0.855*** [0.165]	0.594*** [0.166]	0.504*** [0.119]	0.548 [0.482]
OHP: 5 to 9 months	0.491*** [0.056]	0.485*** [0.052]	0.326*** [0.092]	1.293*** ^a [0.166]	1.239*** ^a [0.163]	1.080*** [0.251]	1.224*** ^a [0.279]	0.878*** [0.185]	1.262* [0.684]
OHP: 10 months	0.207*** ^{ab} [0.057]	0.159*** ^{ab} [0.052]	0.155 [0.125]	0.337*** ^{ab} [0.100]	0.232*** ^{ab} [0.087]	0.428*** ^b [0.205]	-0.100 ^{ab} [0.200]	0.047 ^{ab} [0.138]	0.621 [0.528]
Screened-in	0.034*** ^{abc} [0.012]	0.036*** ^{abc} [0.011]	0.016 ^{ab} [0.018]	0.051*** ^{abc} [0.018]	0.049*** ^{abc} [0.017]	0.037 ^{ab} [0.026]	0.043 ^{ab} [0.063]	0.027 ^{ab} [0.044]	0.069 [0.212]
N of observations	25,081	25,081	25,081	25,081	25,081	25,081	2,974	2,974	2,974
N of clusters (children)	9,791	9,791	9,791	9,791	9,791	9,791	2,443	2,443	2,443

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table N27. OLS regressions. Number of out-of-home placements and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP: 1 placement	0.318*** [0.042]	0.302*** [0.042]	0.343*** [0.067]	0.694*** [0.096]	0.652*** [0.097]	0.833*** [0.167]	0.805*** [0.191]	0.578*** [0.128]	0.731 [0.533]
OHP: 2 placements	0.391*** [0.056]	0.390*** [0.052]	0.325*** [0.095]	0.768*** [0.134]	0.706*** [0.128]	0.842*** [0.235]	0.594* [0.336]	0.308* [0.163]	0.848 [0.792]
OHP: 3 or more placements	0.527*** ^a [0.070]	0.510*** ^a [0.064]	0.436*** [0.123]	1.315*** ^{ab} [0.204]	1.266*** ^{ab} [0.194]	1.032*** [0.281]	0.849*** [0.270]	0.912*** ^b [0.217]	1.027 [0.626]
Screened-in	0.035*** ^{abc} [0.012]	0.038*** ^{abc} [0.011]	0.017 ^{abc} [0.018]	0.055*** ^{abc} [0.018]	0.053*** ^{abc} [0.017]	0.039 ^{abc} [0.026]	0.062 ^{ac} [0.064]	0.034 ^{ac} [0.044]	0.078 [0.213]
N of observations	25,081	25,081	25,081	25,081	25,081	25,081	2,974	2,974	2,974
N of clusters (children)	9,791	9,791	9,791	9,791	9,791	9,791	2,443	2,443	2,443

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table N28. OLS regressions. Out-of-home placement type and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE	
Placement status (base = only SNAP)									
OHP: RCC	0.533*** [0.072]	0.574*** [0.069]	0.305*** [0.105]	1.246*** [0.220]	1.299*** [0.225]	0.814*** [0.280]	1.027*** [0.335]	0.813*** [0.250]	0.849 [0.701]
OHP: Non-relative FFH	0.296*** ^a [0.046]	0.270*** ^a [0.043]	0.242*** [0.089]	0.526*** ^a [0.090]	0.462*** ^a [0.084]	0.519*** [0.173]	0.544** [0.215]	0.228* [0.123]	0.791 [0.680]
OHP: Relative FFH	0.301*** ^a [0.077]	0.257*** ^a [0.083]	0.350** [0.152]	0.616*** ^a [0.174]	0.565*** ^a [0.182]	0.647** [0.303]	0.479 [0.328]	0.631** [0.263]	0.284 [1.239]
OHP: Group home	0.490*** [0.091]	0.457*** ^b [0.080]	0.425*** [0.147]	1.518*** ^{bc} [0.319]	1.294*** ^{bc} [0.269]	1.596*** ^b [0.522]	1.118** [0.503]	1.088*** [0.302]	1.461 [1.077]
OHP: Other	0.486*** [0.088]	0.539*** ^{bc} [0.085]	0.648*** ^{ab} [0.110]	1.118*** ^b [0.197]	1.154*** ^{bc} [0.195]	1.345*** ^b [0.245]	0.611** [0.250]	0.599*** [0.150]	0.208 [0.713]
Screened-in	0.034*** ^{abcde} [0.012]	0.037*** ^{abcde} [0.011]	0.016 ^{abcde} [0.018]	0.052*** ^{abcde} [0.018]	0.049*** ^{abcde} [0.017]	0.038 ^{abcde} [0.026]	0.056 [0.064]	0.030 [0.044]	0.046 [0.214]
N of observations	25,081	25,081	25,081	25,081	25,081	25,081	2,974	2,974	2,974
N of clusters (children)	9,791	9,791	9,791	9,791	9,791	9,791	2,443	2,443	2,443

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RCC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table N29. Percentage of students who experienced a decrease in school quality by OHP status.

Placement status	All students			Students who changed schools		
	Did not decrease school quality	Decrease school quality	Total	Did not decrease school quality	Decrease school quality	Total
Only SNAP	18,719 <i>94.3</i>	1,126 <i>5.7</i>	19,845 <i>100</i>	1,128 <i>50.0</i>	1,126 <i>50.0</i>	2,254 <i>100</i>
Screened-in	1,124 <i>91.3</i>	107 <i>8.7^a</i>	1,231 <i>100</i>	101 <i>48.6</i>	107 <i>51.4^a</i>	208 <i>100</i>
OHP	197 <i>78.8</i>	53 <i>21.2^{ab}</i>	250 <i>100</i>	77 <i>59.2</i>	53 <i>40.8</i>	130 <i>100</i>
OHP: 1 to 4 months	85 <i>76.6</i>	26 <i>23.4^{ab}</i>	111 <i>100</i>	34 <i>56.7</i>	26 <i>43.3</i>	60 <i>100</i>
OHP: 5 to 9 months	56 <i>77.8</i>	16 <i>22.2^{ab}</i>	72 <i>100</i>	32 <i>66.7</i>	16 <i>33.3^{ab}</i>	48 <i>100</i>
OHP: 10 months	56 <i>83.6</i>	11 <i>16.4^{ab}</i>	67 <i>100</i>	11 <i>50.0</i>	11 <i>50.0</i>	22 <i>100</i>
OHP: 1	106 <i>80.3</i>	26 <i>19.7^{ab}</i>	132 <i>100</i>	31 <i>54.4</i>	26 <i>45.6</i>	57 <i>100</i>
OHP: 2	57 <i>78.1</i>	16 <i>21.9^{ab}</i>	73 <i>100</i>	27 <i>62.8</i>	16 <i>37.2</i>	43 <i>100</i>
OHP: 3 or more	34 <i>75.6</i>	11 <i>24.4^{ab}</i>	45 <i>100</i>	19 <i>63.3</i>	11 <i>36.7</i>	30 <i>100</i>
OHP: RCC	27 <i>87.1</i>	4 <i>12.9^a</i>	31 <i>100</i>	18 <i>81.8</i>	4 <i>18.2^{ab}</i>	22 <i>100</i>
OHP: Non-relative FFH	91 <i>76.5</i>	28 <i>23.5^{ab}</i>	119 <i>100</i>	29 <i>50.9</i>	28 <i>49.1^m</i>	57 <i>100</i>
OHP: Relative FFH	37 <i>82.2</i>	8 <i>17.8^{ab}</i>	45 <i>100</i>	10 <i>55.6</i>	8 <i>44.4^m</i>	18 <i>100</i>
OHP: Group home	23 <i>74.2</i>	8 <i>25.8^{ab}</i>	31 <i>100</i>	11 <i>57.9</i>	8 <i>42.1^m</i>	19 <i>100</i>
OHP: Other	19 <i>79.2</i>	5 <i>20.8^{ab}</i>	24 <i>100</i>	9 <i>64.3</i>	5 <i>35.7</i>	14 <i>100</i>

Notes: Row percentages are in italics. Frequencies and percentages were calculated for sample of students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13. A decrease in school quality in reading or math was defined as the significant reduction ($p=0.5$, standard normal distribution) of the schools' value-added from the beginning to the end of the school term.

^aDiffers from only SNAP months at $p<.05$.

^bDiffers from screened-in months at $p<.05$.

^fDiffers from OHP 1-4 months at $p<.05$.

^gDiffers from OHP 5-9 months at $p<.05$.

^xDiffers from OHP 1 placement at $p<.05$.

^yDiffers from OHP 2 placements at $p<.05$.

^mDiffers from OHP RCC at $p<.05$.

ⁿDiffers from OHP non-relative FFH at $p<.05$.

^oDiffers from OHP relative FFH at $p<.05$.

Table N30. Linear probability (OLS) regressions. OHP status and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP	0.126*** [0.028]	0.126*** [0.026]	0.087 [0.055]	-0.196* [0.103]	-0.146*** [0.051]	-0.178 [0.313]
Screened-in	0.018* ^a [0.010]	0.018* ^a [0.009]	0.006 [0.017]	-0.036 [0.072]	-0.046 [0.038]	0.016 [0.229]
N of observations	21,326	21,326	21,326	2,592	2,592	2,592
N of clusters (children)	8,640	8,640	8,640	2,140	2,140	2,140

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table N34. Percentage of students whose disability status changed by OHP status.

Placement status	Students whose...		Total
	disability status did not change	disability status changed	
Only SNAP	20,882 <i>96.2</i>	820 <i>3.8</i>	21,702 <i>100</i>
Screened-in	1,246 <i>94.0</i>	79 <i>6.0^a</i>	1,325 <i>100</i>
OHP	242 <i>89.3</i>	29 <i>10.7^{ab}</i>	271 <i>100</i>
OHP: 1 to 4 months	114 <i>88.4</i>	15 <i>11.6^{ab}</i>	129 <i>100</i>
OHP: 5 to 9 months	66 <i>93.0</i>	5 <i>7.0</i>	71 <i>100</i>
OHP: 10 months	62 <i>87.3</i>	9 <i>12.7^{ab}</i>	71 <i>100</i>
OHP: 1	133 <i>88.7</i>	17 <i>11.3^{ab}</i>	150 <i>100</i>
OHP: 2	65 <i>91.5</i>	6 <i>8.5</i>	71 <i>100</i>
OHP: 3 or more	44 <i>88.0</i>	6 <i>12.0^{ab}</i>	50 <i>100</i>
OHP: RCC	35 <i>87.5</i>	5 <i>12.5^{ab}</i>	40 <i>100</i>
OHP: Non-relative FFH	112 <i>92.6</i>	9 <i>7.4^a</i>	121 <i>100</i>
OHP: Relative FFH	43 <i>91.5</i>	4 <i>8.5^a</i>	47 <i>100</i>
OHP: Group home	26 <i>81.3</i>	6 <i>18.8^{abn}</i>	32 <i>100</i>
OHP: Other	26 <i>83.9</i>	5 <i>16.1^{ab}</i>	31 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 and from school years 2005-06 through 2013-14. A student's disability status change could be from "no disability" to "disability" or vice versa.

^aDiffers from only SNAP months at p<.05. ^bDiffers from screened-in months at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

Table N35. Linear probability (OLS) regressions. OHP status and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP	0.088***	0.081***	0.067***	0.059***	0.038	0.036
	[0.021]	[0.021]	[0.019]	[0.019]	[0.031]	[0.031]
Screened-in	0.018** ^a	0.018** ^a	0.019*** ^a	0.018** ^a	0.010	0.010
	[0.007]	[0.007]	[0.007]	[0.007]	[0.011]	[0.011]
School instability		0.019***		0.024***		0.006
		[0.006]		[0.006]		[0.008]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 23,298. Number of clusters (children): 9,209.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table N39. High school completion and graduation rates by out-of-home placement

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
Place out-of-home	17	88	28	88	30	88	28	88	40	88	42	88
	<i>19.30</i>	<i>100.00</i>	<i>31.80</i>	<i>100.00</i>	<i>34.10</i>	<i>100.00</i>	<i>31.80</i>	<i>100.00</i>	<i>45.50</i>	<i>100.00</i>	<i>47.70</i>	<i>100.00</i>
Screened-in	59	101	68	102	71	103	61	101	71	102	74	103
	<i>58.40^a</i>	<i>100.00</i>	<i>66.70^a</i>	<i>100.00</i>	<i>68.90^a</i>	<i>100.00</i>	<i>60.40^a</i>	<i>100.00</i>	<i>69.60^a</i>	<i>100.00</i>	<i>71.80^a</i>	<i>100.00</i>
Only SNAP	651	1,054	820	1,178	925	1,272	685	1,054	865	1,178	972	1,272
	<i>61.80^a</i>	<i>100.00</i>	<i>69.60^a</i>	<i>100.00</i>	<i>72.70^a</i>	<i>100.00</i>	<i>65.00^a</i>	<i>100.00</i>	<i>73.40^a</i>	<i>100.00</i>	<i>76.40^a</i>	<i>100.00</i>

Note: 1,243 students for the 4-year time frame, 1,368 students for the 5-year time frame, and 1,463 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table N40. High school completion and graduation rates by out-of-home placement length

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 to 5 months	5 <i>19.20</i>	26 <i>100.00</i>	9 <i>36.00</i>	25 <i>100.00</i>	10 <i>40.00</i>	25 <i>100.00</i>	7 <i>26.90</i>	26 <i>100.00</i>	11 <i>44.00</i>	25 <i>100.00</i>	12 <i>48.00</i>	25 <i>100.00</i>
OHP: 6 to 10 months	6 <i>22.20</i>	27 <i>100.00</i>	10 <i>37.00</i>	27 <i>100.00</i>	10 <i>37.00</i>	27 <i>100.00</i>	8 <i>29.60</i>	27 <i>100.00</i>	12 <i>44.40</i>	27 <i>100.00</i>	12 <i>44.40</i>	27 <i>100.00</i>
OHP: 11 to 20 months	5 <i>20.80</i>	24 <i>100.00</i>	8 <i>32.00</i>	25 <i>100.00</i>	8 <i>32.00</i>	25 <i>100.00</i>	10 <i>41.70</i>	24 <i>100.00</i>	14 <i>56.00</i>	25 <i>100.00</i>	14 <i>56.00</i>	25 <i>100.00</i>
OHP: 21 to 30 / 21 or more	1 <i>9.10</i>	11 <i>100.00</i>	0 <i>0.00</i>	5 <i>100.00</i>	1 <i>20.00</i>	5 <i>100.00</i>	3 <i>27.30</i>	11 <i>100.00</i>	1 <i>20.00</i>	5 <i>100.00</i>	2 <i>40.00</i>	5 <i>100.00</i>
OHP: 31 or more			1 <i>16.70</i>	6 <i>100.00</i>	1 <i>16.70</i>	6 <i>100.00</i>			2 <i>33.30</i>	6 <i>100.00</i>	2 <i>33.30</i>	6 <i>100.00</i>
Screened-in	59 <i>58.40</i>	101 <i>100.00^{abcd}</i>	68 <i>66.70^{abcde}</i>	102 <i>100.00</i>	71 <i>68.90^{abcde}</i>	103 <i>100.00</i>	61 <i>60.40^{abcd}</i>	101 <i>100.00</i>	71 <i>69.60^{abcde}</i>	102 <i>100.00</i>	74 <i>71.80^{abe}</i>	103 <i>100.00</i>
Only SNAP	651 <i>61.80</i>	1,054 <i>100.00^{abcd}</i>	820 <i>69.60^{abcde}</i>	1,178 <i>100.00</i>	925 <i>72.70^{abcde}</i>	1,272 <i>100.00</i>	685 <i>65.00^{abcd}</i>	1,054 <i>100.00</i>	865 <i>73.40^{abcde}</i>	1,178 <i>100.00</i>	972 <i>76.40^{abcde}</i>	1,272 <i>100.00</i>

Note: 1,243 students for the 4-year time frame, 1,368 students for the 5-year time frame, and 1,463 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP 1-5 months at p<.05.

^bDiffers from OHP 6-10 months at p<.05.

^cDiffers from OHP 11-20 months at p<.05.

^dDiffers from OHP 21 to 30 months / 21 months or more at p<.05.

^eDiffers from OHP 31 months or more at p<.05.

^fDiffers from SI at p<.05.

Table N41. High school completion and graduation rates by number of out-of-home placements

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 placement	10 26.30	38 100.00	16 44.40	36 100.00	17 47.20	36 100.00	11 28.90	38 100.00	17 47.20	36 100.00	18 50.00	36 100.00
OHP: 2 placements	5 22.70	22 100.00	7 30.40	23 100.00	7 30.40	23 100.00	8 36.40	22 100.00	11 47.80	23 100.00	11 47.80	23 100.00
OHP: 3 placements	1 16.70	6 100.00	2 33.30	6 100.00	2 33.30	6 100.00	2 33.30	6 100.00	3 50.00	6 100.00	3 50.00	6 100.00
OHP: 4 or more	1 4.50 ^{ab}	22 100.00	3 13.00 ^a	23 100.00	4 17.40 ^a	23 100.00	7 31.80	22 100.00	9 39.10	23 100.00	10 43.50	23 100.00
Screened-in	59 58.40 ^{abcd}	101 100.00	68 66.70 ^{abcd}	102 100.00	71 68.90 ^{abcd}	103 100.00	61 60.40 ^{abd}	101 100.00	71 69.60 ^{abd}	102 100.00	74 71.80 ^{abd}	103 100.00
Only SNAP	651 61.80 ^{abcd}	1,054 100.00	820 69.60 ^{abcd}	1,178 100.00	925 72.70 ^{abcd}	1,272 100.00	685 65.00 ^{abd}	1,054 100.00	865 73.40 ^{abd}	1,178 100.00	972 76.40 ^{abd}	1,272 100.00

Note: 1,243 students for the 4-year time frame, 1,368 students for the 5-year time frame, and 1,463 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 placements at p<.05.

^dDiffers from 4 or more placements at p<.05.

^eDiffers from SI at p<.05.

Table N42. High school completion and graduation rates by out-of-home placement type

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: RCC	2	20	5	20	5	20	5	20	8	20	8	20
	10.00	100.00	25.00	100.00	25.00	100.00	25.00	100.00	40.00	100.00	40.00	100.00
OHP: Non- relative FFH	4	21	5	22	5	22	5	21	6	22	6	22
	19.00	100.00	22.70	100.00	22.70	100.00	23.80	100.00	27.30	100.00	27.30	100.00
OHP: Relative FFH	3	7	4	6	4	6	5	7	6	6	6	6
	42.90 ^a	100.00	66.70 ^{ab}	100.00	66.70 ^{ab}	100.00	71.40 ^{ab}	100.00	100.00 ^{ab}	100.00	100.00 ^{ab}	100.00
OHP: Group home	4	25	8	25	9	25	7	25	12	25	13	25
	16.00	100.00	32.00	100.00	36.00	100.00	28.00 ^c	100.00	48.00	100.00	52.00 ^c	100.00
OHP: Other	4	15	6	15	7	15	6	15	8	15	9	15
	26.70	100.00	40.00	100.00	46.70	100.00	40.00	100.00	53.30 ^c	100.00	60.00 ^{bc}	100.00
Screened-in	59	101	68	102	71	103	61	101	71	102	74	103
	58.40 ^{abde}	100.00	66.70 ^{abde}	100.00	68.90 ^{abd}	100.00	60.40 ^{abd}	100.00	69.60 ^{abd}	100.00	71.80 ^{abd}	100.00
Only SNAP	651	1,054	820	1,178	925	1,272	685	1,054	865	1,178	972	1,272
	61.80 ^{abde}	100.00	69.60 ^{abde}	100.00	72.70 ^{abde}	100.00	65.00 ^{abde}	100.00	73.40 ^{abde}	100.00	76.40 ^{abd}	100.00

Note: 1,243 students for the 4-year time frame, 1,368 students for the 5-year time frame, and 1,463 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

^fDiffers from SI at p<.05.

Table N43. Linear Probability (OLS) regressions. High school completion and high school graduation by out-of-home placement status.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.335*	-0.173	-0.248	-0.278	-0.156	-0.204
	[0.172]	[0.167]	[0.134]	[0.191]	[0.163]	[0.118]
Screened-in	-0.142	-0.086	-0.098	-0.145	-0.076	-0.070
	[0.111]	[0.162]	[0.134]	[0.083]	[0.142]	[0.118]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.024	-0.002	-0.010	-0.037	0.015	0.019
	[0.149]	[0.148]	[0.069]	[0.146]	[0.144]	[0.066]
Ever screened-in	0.006	-0.065	-0.083	0.062	0.001	-0.039
	[0.208]	[0.292]	[0.296]	[0.164]	[0.232]	[0.238]
School FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.242*	-0.172	-0.186*	-0.163**	-0.108*	-0.122**
	[0.102]	[0.093]	[0.090]	[0.064]	[0.049]	[0.044]
Screened-in	-0.040	-0.023	-0.037	-0.048	-0.027	-0.033
	[0.047]	[0.051]	[0.046]	[0.053]	[0.060]	[0.055]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.092*	-0.087**	-0.099**	-0.102	-0.080	-0.093*
	[0.046]	[0.031]	[0.027]	[0.057]	[0.047]	[0.042]
Ever screened-in	-0.022	-0.039	-0.029	-0.049	-0.061	-0.057
	[0.107]	[0.075]	[0.080]	[0.105]	[0.061]	[0.040]
N of observations	1,243	1,368	1,463	1,243	1,368	1,463
N of clusters (schools)	7	7	7	7	7	7

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012). Placement status coefficients do not differ significantly at p<.05.

* p<0.1; ** p<0.05; *** p<0.01.

TABLES O1 – O46

Wisconsin excluding Milwaukee Public Schools

Table O1. Out-of-home placement status and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
Total	577,240	1.000		
OHP during test	4,357	0.008	-0.72	-0.78
OHP before test	3,003	0.005	-0.64 ^a	-0.67 ^a
Screened-in and placed OH later	846	0.001	-0.81 ^b	-0.81 ^b
Screened-in but not placed OH later	47,465	0.082	-0.52 ^{abc}	-0.52 ^{abc}
Only SNAP	521,569	0.904	-0.36 ^{abcd}	-0.36 ^{abcd}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test.

^bDiffers from OHP before test.

^cDiffers from screened-in and placed OH later.

^dDiffers from screened-in but not placed OH later.

Table O2. Length of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP during test: 1 to 3 months	885	0.002	-0.72	-0.75
OHP during test: 4 to 7 months	937	0.002	-0.78	-0.79
OHP during test: 8 to 12 months	2,535	0.004	-0.70 ^b	-0.79
OHP before test: 1 to 3 months	1,527	0.003	-0.67 ^{abc}	-0.68 ^{bc}
OHP before test: 4 to 7 months	860	0.001	-0.61 ^b	-0.67 ^{bc}
OHP before test: 8 to 12 months	616	0.001	-0.63 ^b	-0.66 ^{bc}
Screened-in and placed OH later	846	0.001	-0.81 ^{cdef}	-0.81 ^{def}
Screened-in but not placed OH later	47,465	0.082	-0.52 ^{abcdefg}	-0.52 ^{abcdefg}
Only SNAP	521,569	0.904	-0.36 ^{abcdefgh}	-0.36 ^{abcdefgh}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 577,240 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP during test 1-3 months.

^bDiffers from OHP during test 4-7 months.

^cDiffers from OHP during test 8-12 months.

^dDiffers from OHP before test 1-3 months.

^eDiffers from OHP before test 4-7 months.

^fDiffers from OHP before test 8-11 months.

^gDiffers from screened-in and placed OH later.

^hDiffers from screened-in but not placed OH later.

Table O3. Number of out-of-home placements and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: 1	4,242	0.007	-0.66	-0.69
OHP: 2	1,980	0.003	-0.71	-0.76 ^a
OHP: 3 or more	1,138	0.002	-0.77 ^a	-0.87 ^{ab}
Screened-in and placed OH later	846	0.001	-0.81 ^{ab}	-0.81 ^a
Screened-in but not placed OH later	47,465	0.082	-0.52 ^{abcd}	-0.52 ^{abcd}
Only SNAP	521,569	0.904	-0.36 ^{abcde}	-0.36 ^{abcde}

Note: Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 577,240 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP 1 placement.

^bDiffers from OHP 2 placements.

^cDiffers from OHP 3 or more placements.

^dDiffers from screened-in and placed OH later.

^eDiffers from screened-in but not placed OH later.

Table O4. Most frequent type of out-of-home placement and average test scores.

	Freq.	Proportion	Average test scores	
			Reading	Math
OHP: RCC	640	0.001	-1.21	-1.34
OHP: Non-relative FFH	3,808	0.007	-0.67 ^a	-0.72 ^a
OHP: Relative FFH	2,192	0.004	-0.54 ^{ab}	-0.59 ^{ab}
OHP: Group home	206	0.000	-0.79 ^{ac}	-1.02 ^{abc}
OHP: Other	514	0.001	-0.86 ^{abc}	-0.75 ^{acd}
Screened-in and placed OH later	846	0.001	-0.81 ^{abc}	-0.81 ^{abcde}
Screened-in but not placed OH later	47,465	0.082	-0.52 ^{abdef}	-0.52 ^{abdef}
Only SNAP	521,569	0.904	-0.36 ^{abcdefg}	-0.36 ^{abcdefg}

Note Averages were calculated for sample of students in grades 3 through 8 during school years 2005-06 through 2013-14. Sample consists of 577,240 student-year observations with a reading and/or math test score. Statistically significant differences at $p < .05$ between average test scores are indicated with the following:

^aDiffers from OHP RCC.

^bDiffers from OHP non-relative FFH.

^cDiffers from OHP relative FFH.

^dDiffers from OHP group home.

^eDiffers from OHP another type of placement.

^fDiffers from screened-in and placed OH later.

^gDiffers from screened-in but not placed OH later.

Table O5. OLS regressions. Out-of-home placement status and children's test scores.

	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test	-0.121*** [0.019]	-0.123*** [0.019]	-0.023* [0.014]	0.006 [0.022]	-0.187*** [0.018]	-0.185*** [0.019]	-0.051*** [0.013]	-0.037* [0.020]
OHP before test	-0.108*** [0.019]	-0.103*** [0.019]	-0.057*** [0.017]	-0.010 [0.019]	-0.144*** [0.018]	-0.135*** ^a [0.017]	-0.053*** [0.016]	-0.044** [0.018]
Screened-in and placed out-of-home later	- 0.229*** ^{ab} [0.037]	- 0.216*** ^{ab} [0.037]	- -0.129*** ^a [0.036]	-0.084*** ^a [0.040]	-0.233*** ^b [0.035]	-0.238*** ^b [0.034]	0.137*** ^{ab} [0.029]	-0.096*** [0.036]
Screened-in but not placed out-of-home later	-0.127*** ^c [0.006]	- -0.124*** ^c [0.006]	- 0.055*** ^{ac} [0.005]	-0.017*** [0.005]	- 0.116*** ^{ac} [0.005]	- 0.117*** ^{ac} [0.005]	-0.044*** ^c [0.004]	-0.008*** ^{bc} [0.005]
N of observations	563,038	563,038	405,455	563,038	564,925	564,925	407,277	564,925
N of clusters (children)	214,983	214,983	168,836	214,983	215,419	215,419	169,282	215,419

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP during test at p<.05.

^bDiffers from OHP before test at p<.05.

^cDiffers from SI and placed OH later at p<.05.

Table O6. OLS regressions. Out-of-home placement length and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + previous test score	Child FE	District FE	School FE	School FE + previous test score	Child FE
Placement status (base = only SNAP)								
OHP during test: 1 to 3 months	-0.165*** [0.034]	-0.148*** [0.034]	-0.087*** [0.032]	-0.045 [0.037]	-0.203*** [0.033]	-0.179*** [0.032]	-0.131*** [0.031]	-0.088** [0.036]
OHP during test: 4 to 7 months	-0.170*** [0.035]	-0.173*** [0.036]	-0.046 [0.032]	-0.015 [0.036]	-0.196*** [0.032]	-0.193*** [0.032]	-0.042 ^a [0.028]	-0.031 [0.031]
OHP during test: 8 to 12 months	-0.084*** ^b [0.026]	-0.094*** [0.026]	0.010 ^a [0.018]	0.054* ^a [0.029]	-0.177*** [0.025]	-0.183*** [0.025]	-0.024 ^a [0.017]	-0.003 ^a [0.028]
OHP before test: 1 to 3 months	-0.135*** [0.026]	-0.128*** [0.026]	-0.099*** ^c [0.024]	-0.043* ^c [0.026]	-0.156*** [0.025]	-0.153*** [0.025]	-0.060*** ^a [0.023]	-0.063** [0.025]
OHP before test: 4 to 7 months	-0.066* ^{ab} [0.034]	-0.061* ^{ab} [0.034]	0.020 ^{ad} [0.030]	0.032 [0.034]	-0.128*** [0.032]	-0.119*** [0.031]	-0.051* [0.029]	-0.061* [0.031]
OHP before test: 8 to 12 months	-0.099** [0.041]	-0.098** [0.040]	-0.051 [0.040]	0.019 [0.043]	-0.138*** [0.036]	-0.112*** [0.036]	-0.038 ^a [0.033]	0.028 ^a [0.037]
Screened-in and placed OH later	-0.228*** ^{cdef} [0.037]	-0.216*** ^{cdef} [0.037]	-0.129*** ^{ce} [0.036]	-0.079*** ^{ce} [0.040]	-0.233*** [0.035]	-0.238*** ^{def} [0.034]	-0.137*** ^{bdef} [0.029]	-0.093*** ^{cf} [0.036]
Screened-in but not placed OH later	-0.126*** ^g [0.006]	-0.123*** ^{eg} [0.006]	-0.054*** ^{ceg} [0.005]	-0.017*** ^c [0.005]	-0.116*** ^{abcg} [0.005]	-0.117*** ^{bcg} [0.005]	-0.043*** ^{ag} [0.004]	-0.008* ^{adg} [0.005]
N of observations	563,038	563,038	405,455	563,038	564,925	564,925	407,277	564,925
N of clusters (children)	214,983	214,983	168,836	214,983	215,419	215,419	169,282	215,419

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.
^{*} p<0.1; ^{**} p<0.05; ^{***} p<0.01.

^aDiffers from OHP during test 1-3 months at p<.05.

^bDiffers from OHP before test 4-7 months at p<.05.

^cDiffers from OHP before test 8-12 months at p<.05.

^dDiffers from OHP before test 1-3 months at p<.05.

^eDiffers from OHP before test 4-7 months at p<.05.

^fDiffers from OHP before test 8-12 months at p<.05.

^gDiffers from SI and placed OH later at p<.05.

Table O7. OLS regressions. Number of out-of-home placements and children's test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + controlling for previous test score	Child FE	District FE	School FE	School FE + controlling for previous test score	Child FE
Placement status (base = only SNAP)								
OHP: 1 placement	-0.109*** [0.017]	-0.107*** [0.017]	-0.039*** [0.014]	-0.004 [0.018]	-0.146*** [0.017]	-0.138*** [0.017]	-0.053*** [0.014]	-0.036** [0.018]
OHP: 2 placements	-0.116*** [0.025]	-0.115*** [0.025]	-0.027 [0.020]	-0.001 [0.026]	-0.176*** [0.023]	-0.174*** [0.023]	-0.042** [0.018]	-0.039 [0.024]
OHP: 3 or more placements	-0.139*** [0.034]	-0.140*** [0.035]	-0.049* [0.028]	-0.000 [0.033]	-0.243*** ^a [0.032]	-0.239*** ^a [0.032]	-0.067** [0.027]	-0.067** [0.034]
Screened-in and placed OH later	-0.229*** ^{ab} [0.037]	-0.216*** ^{ab} [0.037]	-0.130*** ^{ab} [0.036]	-0.084** [0.040]	-0.233*** ^a [0.035]	-0.238*** ^a [0.034]	-0.137*** ^{ab} [0.029]	-0.097*** [0.036]
Screened-in but not placed OH later	-0.127*** ^d [0.006]	-0.124*** ^d [0.006]	-0.055*** ^d [0.005]	-0.017*** [0.005]	-0.116*** ^{bcd} [0.005]	-0.117*** ^{bcd} [0.005]	-0.044*** ^d [0.004]	-0.008* ^d [0.005]
N of observations	563,038	563,038	405,455	563,038	564,925	564,925	407,277	564,925
N of clusters (children)	214,983	214,983	168,836	214,983	215,419	215,419	169,282	215,419

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student's family was eligible for school lunch in the year of the test, the student's disability status, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

^dDiffers from SI and placed OH later at p<.05.

Table O8. OLS regressions. Type of out-of-home placement and children’s test scores.

	Reading				Math			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
	District FE	School FE	School FE + previous test score	Child FE	District FE	School FE	School FE + previous test score	Child FE
Placement status (base = only SNAP)								
OHP: RCC	-0.405*** [0.062]	-0.380*** [0.063]	-0.144*** [0.051]	-0.071 [0.065]	-0.594*** [0.055]	-0.554*** [0.058]	-0.147*** [0.048]	-0.189*** [0.067]
OHP: Non-relative FFH	-0.077*** ^a [0.020]	-0.082*** ^a [0.020]	-0.021 ^a [0.014]	0.017 [0.022]	-0.134*** ^a [0.019]	-0.133*** ^a [0.019]	-0.027*** ^a [0.013]	0.005 ^a [0.020]
OHP: Relative FFH	-0.089*** ^a [0.023]	-0.091*** ^a [0.023]	-0.027 ^a [0.018]	-0.005 [0.024]	-0.121*** ^a [0.023]	-0.118*** ^a [0.023]	-0.066*** [0.017]	-0.064*** ^b [0.023]
OHP: Group home	-0.046 ^a [0.083]	-0.027 ^a [0.078]	0.037 ^a [0.059]	0.053 [0.085]	-0.321*** ^{abc} [0.083]	-0.307*** ^{abc} [0.081]	-0.138*** [0.059]	-0.224*** ^b [0.081]
OHP: Other	-0.240*** ^{abcd} [0.045]	-0.228*** ^{abcd} [0.045]	-0.127*** ^{bcd} [0.039]	-0.068 [0.050]	-0.145*** ^a [0.041]	-0.153*** ^a [0.041]	-0.046 [0.038]	-0.037 ^d [0.044]
Screened-in and placed OH later	-0.230*** ^{abcd} [0.038]	-0.217*** ^{abcd} [0.037]	-0.130*** ^{bcd} [0.036]	-0.085*** ^b [0.040]	-0.234*** ^{abc} [0.035]	-0.239*** ^{abc} [0.034]	-0.138*** ^{bc} [0.029]	-0.097*** ^b [0.036]
Screened-in but not placed OH later	-0.127*** ^{abef} [0.006]	-0.124*** ^{abef} [0.006]	-0.055*** ^{bf} [0.005]	-0.017*** [0.005]	-0.117*** ^{adf} [0.005]	-0.118*** ^{adf} [0.005]	-0.044*** ^{af} [0.004]	-0.008*** ^{acdf} [0.005]
N of observations	563,038	563,038	405,455	563,038	564,925	564,925	407,277	564,925
N of clusters (children)	214,983	214,983	168,836	214,983	215,419	215,419	169,282	215,419

Notes: Coefficients and robust and clustered standard errors presented. All regressions control for whether the student’s family was eligible for school lunch in the year of the test, the student’s disability status, whether the student’s age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, student’s English language proficiency level, family structure and number of children in the household in the year of the test, family wage in the previous year of the test, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated, grade, and year. In addition, columns 1, 2, 3, 5, 6, and 7 control for child time invariant characteristics, such as child gender, child race, mother’s age at the child’s birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 3 through 8 from school years 2005-06 through 2013-14 in columns 1, 2, 4, 5, 6, and 8 and from school years 2006-07 through 2013-14 in columns 4 and 8.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RCC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

^fDiffers from SI and placed OH later at p<.05.

Table O9. Out-of-home placement and test status (excluding Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP	4,616 <i>91.3</i>	43 <i>0.9</i>	396 <i>7.8</i>	4,640 <i>91.4</i>	33 <i>0.7</i>	403 <i>7.9</i>
Screened-in	31,428 <i>96.5^a</i>	153 <i>0.5^a</i>	996 <i>3.1^a</i>	31,534 <i>96.5^a</i>	132 <i>0.4^a</i>	1,027 <i>3.1^a</i>
Only SNAP	368,907 <i>97.8^{ab}</i>	753 <i>0.2^{ab}</i>	7,692 <i>2.0^{ab}</i>	370,677 <i>97.8^{ab}</i>	656 <i>0.2^{ab}</i>	7,689 <i>2.0^{ab}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 414,984 student-year observations for reading and 416,791, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table O10. Out-of-home placement length and test status (excluding Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1 to 3 months	1,548 <i>92.7</i>	8 <i>0.5</i>	114 <i>6.8</i>	1,565 <i>92.9</i>	6 <i>0.4</i>	114 <i>6.8</i>
OHP: 4 to 7 months	1,129 <i>90.0^a</i>	9 <i>0.7</i>	117 <i>9.3^a</i>	1,131 <i>90.0^a</i>	7 <i>0.6</i>	118 <i>9.4^a</i>
OHP: 8 to 12 months	1,939 <i>91.0^a</i>	26 <i>1.2^a</i>	165 <i>7.7</i>	1,944 <i>91.1^a</i>	20 <i>0.9^a</i>	171 <i>8.0</i>
Screened-in	31,428 <i>96.5^{abc}</i>	153 <i>0.5^c</i>	996 <i>3.1^{abc}</i>	31,534 <i>96.5^{abc}</i>	132 <i>0.4^c</i>	1,027 <i>3.1^{abc}</i>
Only SNAP	368,907 <i>97.8^{abcd}</i>	753 <i>0.2^{abcd}</i>	7,692 <i>2.0^{abcd}</i>	370,677 <i>97.8^{abcd}</i>	656 <i>0.2^{abcd}</i>	7,689 <i>2.0^{abcd}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 414,984 student-year observations for reading and 416,791, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from OHP 1-3 months at $p < .05$.

^bDiffers from OHP 4-7 months at $p < .05$.

^cDiffers from OHP 8-12 months at $p < .05$.

^dDiffers from SI at $p < .05$.

Table O11. Number of out-of-home placements and test status (excluding Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: 1	2,608 <i>93.3</i>	21 <i>0.8</i>	165 <i>5.9</i>	2,627 <i>93.5</i>	16 <i>0.6</i>	168 <i>6.0</i>
OHP: 2	1,269 <i>91.2^a</i>	13 <i>0.9</i>	109 <i>7.8^a</i>	1,269 <i>91.2^a</i>	12 <i>0.9</i>	111 <i>8.0^a</i>
OHP: 3 or more	739 <i>84.9^{ab}</i>	9 <i>1.0</i>	122 <i>14.0^{ab}</i>	744 <i>85.2^{ab}</i>	5 <i>0.6</i>	124 <i>14.2^{ab}</i>
Screened-in	31,428 <i>96.5^{abc}</i>	153 <i>0.5^{abc}</i>	996 <i>3.1^{abc}</i>	31,534 <i>96.5^{abc}</i>	132 <i>0.4^b</i>	1,027 <i>3.1^{abc}</i>
Only SNAP	368,907 <i>97.8^{abcd}</i>	753 <i>0.2^{abcd}</i>	7,692 <i>2^{abcd}</i>	370,677 <i>97.8^{abcd}</i>	656 <i>0.2^{abcd}</i>	7,689 <i>2^{abcd}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 414,984 student-year observations for reading and 416,791, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

^dDiffers from SI at p<.05.

Table O12. Most frequent type of out-of-home placement and test status (excluding Milwaukee)

	Reading			Math		
	Regular	Alternative	None	Regular	Alternative	None
OHP: RCC	340 <i>71.6</i>	9 <i>1.9</i>	126 <i>26.5</i>	341 <i>71.9</i>	6 <i>1.3</i>	127 <i>26.8</i>
OHP: Non-relative FFH	2,414 <i>93.7^a</i>	21 <i>0.8^a</i>	141 <i>5.5^a</i>	2,430 <i>93.7^a</i>	16 <i>0.6</i>	148 <i>5.7^a</i>
OHP: Relative FFH	1,391 <i>94.5^a</i>	11 <i>0.7^a</i>	70 <i>4.8^a</i>	1,396 <i>94.5^a</i>	9 <i>0.6</i>	73 <i>4.9^a</i>
OHP: Group home	139 <i>85.3^{abc}</i>	1 <i>0.6</i>	23 <i>14.1^{abc}</i>	140 <i>87.0^{abc}</i>	1 <i>0.6</i>	20 <i>12.4^{abc}</i>
OHP: Other	332 <i>90.0^{abc}</i>	1 <i>0.3^a</i>	36 <i>9.8^{abc}</i>	333 <i>90.2^{abc}</i>	1 <i>0.3</i>	35 <i>9.5^{abc}</i>
Screened-in	31,428 <i>96.5^{abcde}</i>	153 <i>0.5^{ab}</i>	996 <i>3.1^{abcde}</i>	31,534 <i>96.5^{abcde}</i>	132 <i>0.4^a</i>	1,027 <i>3.1^{abcde}</i>
Only SNAP	368,907 <i>97.8^{abcdef}</i>	753 <i>0.2^{abcf}</i>	7,692 <i>2.0^{abcdef}</i>	370,677 <i>97.8^{abcdef}</i>	656 <i>0.2^{abcf}</i>	7,689 <i>2.0^{abcdef}</i>

Note: Row percentages in italics. Frequencies and percentages were calculated for sample of students from Milwaukee who took the regular test in the previous year when they were in grades 3 through 7. The sample consists of 414,984 student-year observations for reading and 416,791, for math. Test status was measured in school years 2006-07 through 2013-14.

^aDiffers from RRC at p<.05.

^cDiffers from relative FFH at p<.05.

^eDiffers from another type of care at p<.05.

^bDiffers from non-relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^fDiffers from SI at p<.05.

Table O13. OLS regressions. OHP and test status given that student took the regular (WKCE) test in the previous year.

	Reading						Math					
	Alternative test			No test			Alternative test			No test		
	(1) District FE	(2) School FE	(3) Child FE	(4) District FE	(5) School FE	(6) Child FE	(7) District FE	(8) School FE	(9) Child FE	(10) District FE	(11) School FE	(12) Child FE
Placement status (base = only SNAP)												
OHP	0.003** [0.001]	0.003*** [0.001]	-0.000 [0.002]	0.025*** [0.003]	0.025*** [0.003]	0.023*** [0.006]	0.002** [0.001]	0.002** [0.001]	-0.000 [0.002]	0.025*** [0.003]	0.026*** [0.003]	0.022*** [0.006]
Screened-in	0.000 ^a [0.000]	0.000 ^a [0.000]	0.000 [0.001]	0.005*** ^a [0.001]	0.005*** ^a [0.001]	0.002* ^a [0.001]	0.001 [0.000]	0.001 [0.000]	-0.000 [0.001]	0.006*** ^a [0.001]	0.005*** ^a [0.001]	0.003* ^a [0.001]
N of observations	405,900	405,900	405,900	414,035	414,035	414,035	407,672	407,672	407,672	415,970	415,970	415,970
N of clusters (children)	169,135	169,135	169,135	173,562	173,562	173,562	169,536	169,536	169,536	174,068	174,068	174,068

Notes: Coefficients and robust and clustered standard errors presented. In columns 1, 2, 3, 7, 8, and 9, the dependent variable is an indicator equal to one when the student took the alternative test (WAA) and zero when the student took the regular test (WKCE). In the other columns, the dependent variable is an indicator equal to one when the student took no test and zero when the student took the regular test. All regressions control for the student's test score in the previous year, whether the student's family was eligible for school lunch in the year of the test, whether the student's age is above the normative age for her grade in the previous school year, whether the student experienced a disciplinary incident in the previous school year, student's English language proficiency level, disability status, family structure and number of children in the household in the year of the test, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the year of the test, grade in the previous year, and current school year. In addition, regressions that include school or district fixed-effects (columns 1, 2, 4, 5, 7, 8, 10, and 11) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students from school years 2006-07 through 2013-14 who took the regular test in the previous year when they were in grades 3 through 7.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O14. Students retained by OHP status.

Placement status	Students who were...		Total
	not retained	retained	
Only SNAP	870,388 <i>97.4</i>	23,609 <i>2.6</i>	893,997 <i>100.0</i>
Screened-in	65,804 <i>97.3</i>	1,831 <i>2.7</i>	67,635 <i>100.0</i>
OHP	15,456 <i>94.6</i>	889 <i>5.4^{ab}</i>	16,345 <i>100.0</i>
OHP: 1 to 4 months	5,478 <i>94.7</i>	304 <i>5.3^{ab}</i>	5,782 <i>100.0</i>
OHP: 5 to 9 months	3,849 <i>93.7</i>	259 <i>6.3^{abf}</i>	4,108 <i>100.0</i>
OHP: 10 months	6,129 <i>94.9</i>	326 <i>5.1^{abg}</i>	6,455 <i>100.0</i>
OHP: 1	9,458 <i>95.1</i>	486 <i>4.9^{ab}</i>	9,944 <i>100.0</i>
OHP: 2	3,957 <i>94.9</i>	213 <i>5.1^{ab}</i>	4,170 <i>100.0</i>
OHP: 3 or more	2,041 <i>91.5</i>	190 <i>8.5^{abxy}</i>	2,231 <i>100.0</i>
OHP: RCC	1,380 <i>94.5</i>	81 <i>5.5^{ab}</i>	1,461 <i>100.0</i>
OHP: Non-relative FFH	7,718 <i>95.8</i>	337 <i>4.2^{abm}</i>	8,055 <i>100.0</i>
OHP: Relative FFH	3,662 <i>95.9</i>	158 <i>4.1^{abm}</i>	3,820 <i>100.0</i>
OHP: Group home	1,555 <i>89.4</i>	184 <i>10.6^{abmno}</i>	1,739 <i>100.0</i>
OHP: Other	1,141 <i>89.8</i>	129 <i>10.2^{abmno}</i>	1,270 <i>100.0</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for the sample of students in grades 1 through 12 in school years 2005-06 through 2012-13. Retention: Students who were retained in the same grade level in the next school year.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^pDiffers from OHP group home at p<.05.

Table O15. Linear probability (OLS) regressions. OHP status and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP	0.004** [0.002]	0.010*** [0.002]	0.008*** [0.002]
Screened-in but not placed out-of-home later	0.002*** [0.001]	0.005*** ^a [0.001]	0.004*** [0.001]
N of observations	977,977	977,977	897,543
N of clusters (children)	342,729	342,729	324,486

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes the sample from year 2005-06.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O16. Linear probability (OLS) regressions. OHP length and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP: 1 to 4 months	0.009*** [0.003]	0.017*** [0.003]	0.015*** [0.003]
OHP: 5 to 9 months	0.011*** [0.004]	0.019*** [0.004]	0.016*** [0.004]
OHP: 10 months	-0.006*** ^{ab} [0.003]	-0.003 ^{ab} [0.003]	-0.005* ^{ab} [0.003]
Screened-in	0.002*** ^{abc} [0.001]	0.004*** ^{abc} [0.001]	0.004*** ^{abc} [0.001]
N of observations	977,977	977,977	897,543
N of clusters (children)	342,729	342,729	324,486

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes the sample from year 2005-06.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table O17. Linear probability (OLS) regressions. Number of OHPs and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP: 1 placement	0.000	0.008***	0.006***
	[0.002]	[0.002]	[0.002]
OHP: 2 placements	0.001	0.008**	0.005
	[0.003]	[0.003]	[0.003]
OHP: 3 or more placements	0.025*** ^{ab}	0.025*** ^{ab}	0.021*** ^{ab}
	[0.006]	[0.006]	[0.006]
Screened-in	0.002*** ^c	0.005*** ^c	0.004*** ^c
	[0.001]	[0.001]	[0.001]
N of observations	977,977	977,977	897,543
N of clusters (children)	342,729	342,729	324,486

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes the sample from year 2005-06.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table O18. Linear Probability (OLS) regressions. OHP type and grade retention.

	(1)	(2)	(3)
	District FE	School FE	School FE + controlling for previous retention status
Placement status (base = only SNAP)			
OHP: RCC	0.000 [0.006]	0.006 [0.006]	0.003 [0.006]
OHP: Non-relative FFH	-0.006*** [0.002]	0.003 [0.002]	0.002 [0.002]
OHP: Relative FFH	0.003b [0.003]	0.004 [0.003]	0.003 [0.003]
OHP: Group home	0.027***abc [0.007]	0.030***abc [0.007]	0.023***abc [0.008]
OHP: Other	0.043***abc [0.008]	0.048***abc [0.008]	0.046***abc [0.009]
Screened-In	0.002***bde [0.001]	0.005***de [0.001]	0.004***de [0.001]
N of observations	977,977	977,977	897,543
N of clusters (children)	342,729	342,729	324,486

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for school fixed effects, child gender, child race, mother's age at the child's birth, whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, whether the student experienced a disciplinary incident in the previous school year, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, whether the any parent was incarcerated in the past 15 years, grade, and school year. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2012-13. Column 3 excludes students from year 2005-06.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table O19. Students with at least one disciplinary incident by OHP status.

Placement status	Students who had...		Total
	no disciplinary incident	at least one disciplinary incident	
Only SNAP	951,521 <i>90.4</i>	101,170 <i>9.6</i>	1,052,691 <i>100</i>
Screened-in	63,254 <i>84.9</i>	11,255 <i>15.1^a</i>	74,509 <i>100</i>
OHP	14,246 <i>73.3</i>	5,181 <i>26.7^{ab}</i>	19,427 <i>100</i>
OHP: 1 to 4 months	4,914 <i>71.0</i>	2011 <i>29.0^{ab}</i>	6,925 <i>100</i>
OHP: 5 to 9 months	3,748 <i>73.3</i>	1364 <i>26.7^{abf}</i>	5,112 <i>100</i>
OHP: 10 months	5,584 <i>75.6</i>	1806 <i>24.4^{abfg}</i>	7,390 <i>100</i>
OHP: 1	8,498 <i>75.1</i>	2812 <i>24.9^{ab}</i>	11,310 <i>100</i>
OHP: 2	3,770 <i>73.9</i>	1330 <i>26.1^{abx}</i>	5,100 <i>100</i>
OHP: 3 or more	1,978 <i>65.6</i>	1039 <i>34.4^{abxy}</i>	3,017 <i>100</i>
OHP: RCC	1,494 <i>69.8</i>	645 <i>30.2^{ab}</i>	2,139 <i>100</i>
OHP: Non-relative FFH	6,920 <i>75.9</i>	2198 <i>24.1^{abm}</i>	9118 <i>100</i>
OHP: Relative FFH	3,698 <i>81.1</i>	860 <i>18.9^{abmn}</i>	4,558 <i>100</i>
OHP: Group home	1,170 <i>56.3</i>	907 <i>43.7^{abmno}</i>	2077 <i>100</i>
OHP: Other	964 <i>62.8</i>	571 <i>37.2^{abmnop}</i>	1,535 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2006-07 through 2013-14. Disciplinary incidents include expulsion, out-of-school suspension, and placement in an IAES.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

^pDiffers from OHP group home at p<.05.

Table O20. Linear probability (OLS) regressions. OHP status and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP	0.085*** [0.003]	0.094*** [0.003]	0.064*** [0.003]	0.020*** [0.006]
Screened-in	0.054*** ^a [0.001]	0.053*** ^a [0.001]	0.042*** ^a [0.001]	0.022*** [0.002]
N of observations	1,146,627	1,146,627	1,053,714	1,146,627
N of clusters (children)	386,673	386,673	367,480	386,673

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes students from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O21. Linear probability (OLS) regressions. Length of OHP and disciplinary incidents (excluding Milwaukee)

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 to 4 months	0.124*** [0.005]	0.130*** [0.005]	0.094*** [0.005]	0.042*** [0.008]
OHP: 5 to 9 months	0.088*** ^a [0.006]	0.099*** ^a [0.006]	0.064*** ^a [0.006]	0.009 ^a [0.009]
OHP: 10 months	0.044*** ^{ab} [0.006]	0.054*** ^{ab} [0.005]	0.035*** ^{ab} [0.005]	-0.007 ^a [0.009]
Screened-in	0.053*** ^{ab} [0.001]	0.053*** ^{ab} [0.001]	0.042*** ^{ab} [0.001]	0.022*** ^{ac} [0.002]
N of observations	1,146,627	1,146,627	1,053,714	1,146,627
N of clusters (children)	386,673	386,673	367,480	386,673

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table O22. Linear probability (OLS) regressions. Number of OHPs and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: 1 placement	0.076*** [0.004]	0.086*** [0.004]	0.059*** [0.004]	0.019*** [0.007]
OHP: 2 placements	0.077*** [0.006]	0.088*** [0.006]	0.056*** [0.006]	0.015 [0.009]
OHP: 3 or more placements	0.132*** ^{ab} [0.008]	0.138*** ^{ab} [0.008]	0.096*** ^{ab} [0.008]	0.036*** [0.012]
Screened-in	0.054*** ^{abc} [0.001]	0.053*** ^{abc} [0.001]	0.042*** ^{abc} [0.001]	0.022*** [0.002]
N of observations	1,146,627	1,146,627	1,053,714	1,146,627
N of clusters (children)	386,673	386,673	367,480	386,673

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table O23. Linear probability (OLS) regressions. Out-of-home placement type and disciplinary incidents.

	(1)	(2)	(3)	(4)
	District FE	School FE	School FE + controlling for previous retention status	Child FE
Placement status (base = only SNAP)				
OHP: RCC	0.059*** [0.010]	0.084*** [0.011]	0.025** [0.010]	-0.076*** [0.017]
OHP: Non-relative FFH	0.069*** [0.005]	0.082*** [0.005]	0.061*** ^a [0.004]	0.026*** ^a [0.008]
OHP: Relative FFH	0.061*** [0.006]	0.062*** ^b [0.006]	0.046*** ^b [0.005]	0.034*** ^a [0.009]
OHP: Group home	0.176*** ^{abc} [0.011]	0.183*** ^{abc} [0.011]	0.126*** ^{abc} [0.011]	0.039*** ^a [0.018]
OHP: Other	0.168*** ^{abc} [0.012]	0.162*** ^{abc} [0.012]	0.110*** ^{abc} [0.012]	0.047*** ^a [0.017]
Screened-in	0.054*** ^{bde} [0.001]	0.053*** ^{abde} [0.001]	0.042*** ^{bde} [0.001]	0.022*** ^a [0.002]
N of observations	1,146,627	1,146,627	1,053,714	1,146,627
N of clusters (children)	386,673	386,673	367,480	386,673

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, school and district fixed-effects regressions (columns 1, 2, and 3) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2006-07 through 2013-14. Column 2 excludes the sample from year 2006-07.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RCC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table O24. Percentage of students who changed schools during the school term by OHP status.

Placement status	Students who...		Total
	did not change schools	changed schools	
Only SNAP	1,042,168 <i>92.3</i>	86,934 <i>7.7</i>	1,129,102 <i>100</i>
Screened-in	72,791 <i>86.7</i>	11,202 <i>13.3^a</i>	83,993 <i>100</i>
OHP	14,958 <i>67.6</i>	7,167 <i>32.4^{ab}</i>	22,125 <i>100</i>
OHP: 1 to 4 months	5,203 <i>65.6</i>	2,729 <i>34.4^{ab}</i>	7,932 <i>100</i>
OHP: 5 to 9 months	3,050 <i>52.8</i>	2,722 <i>47.2^{abf}</i>	5,772 <i>100</i>
OHP: 10 months	6,705 <i>79.6</i>	1,716 <i>20.4^{abfg}</i>	8,421 <i>100</i>
OHP: 1	9,635 <i>74.0</i>	3,384 <i>26.0^{ab}</i>	13,019 <i>100</i>
OHP: 2	3,651 <i>63.8</i>	2,073 <i>36.2^{abx}</i>	5,724 <i>100</i>
OHP: 3 or more	1,672 <i>49.4</i>	1,710 <i>50.6^{abxy}</i>	3,382 <i>100</i>
OHP: RCC	1,396 <i>58.8</i>	978 <i>41.2^{ab}</i>	2,374 <i>100</i>
OHP: Non-relative FFH	7,235 <i>69.3</i>	3,204 <i>30.7^{abm}</i>	10,439 <i>100</i>
OHP: Relative FFH	3,926 <i>77.1</i>	1,166 <i>22.9^{abmn}</i>	5,092 <i>100</i>
OHP: Group home	1,197 <i>50.2</i>	1,186 <i>49.8^{abmno}</i>	2,383 <i>100</i>
OHP: Other	1,204 <i>65.5</i>	633 <i>34.5^{abmnop}</i>	1,837 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 in school years 2005-06 through 2013-14.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-3 months at p<.05.

^gDiffers from OHP 4-7 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

Table O25. OLS regressions. Out-of-home placement status and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP	0.229*** [0.003]	0.222*** [0.003]	0.192*** [0.006]	0.357*** [0.006]	0.344*** [0.006]	0.311*** [0.012]	0.186*** [0.011]	0.179*** [0.011]	0.169*** [0.054]
Screened-in	0.056*** ^a [0.001]	0.056*** ^a [0.001]	0.029*** ^a [0.002]	0.081*** ^a [0.002]	0.081*** ^a [0.002]	0.045*** ^a [0.003]	0.066*** ^a [0.007]	0.068*** ^a [0.007]	0.050* ^a [0.029]
N of observations	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	105,303	105,303	105,303
N of clusters (children)	405,761	405,761	405,761	405,761	405,761	405,761	78,485	78,485	78,485

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O26. OLS regressions. Length of out-of-home placement and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE	
Placement status (base = only SNAP)									
OHP: 1 to 4 months	0.248*** [0.005]	0.243*** [0.005]	0.184*** [0.008]	0.407*** [0.010]	0.395*** [0.010]	0.312*** [0.015]	0.251*** [0.018]	0.239*** [0.017]	0.225*** [0.067]
OHP: 5 to 9 months	0.372*** ^a [0.007]	0.363*** ^a [0.007]	0.301*** ^a [0.010]	0.574*** ^a [0.013]	0.555*** ^a [0.013]	0.465*** ^a [0.019]	0.197*** ^a [0.018]	0.186*** ^a [0.017]	0.147** [0.072]
OHP: 10 months	0.105*** ^{ab} [0.005]	0.099*** ^{ab} [0.005]	0.070*** ^{ab} [0.010]	0.148*** ^{ab} [0.007]	0.138*** ^{ab} [0.007]	0.113*** ^{ab} [0.016]	0.050*** ^{ab} [0.018]	0.056*** ^{ab} [0.018]	0.037 ^a [0.085]
Screened-in	0.055*** ^{abc} [0.001]	0.055*** ^{abc} [0.001]	0.028*** ^{abc} [0.002]	0.079*** ^{abc} [0.002]	0.079*** ^{abc} [0.002]	0.044*** ^{abc} [0.003]	0.064*** ^{ab} [0.007]	0.067*** ^{ab} [0.007]	0.049* ^a [0.029]
N of observations	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	105,303	105,303	105,303
N of clusters (children)	405,761	405,761	405,761	405,761	405,761	405,761	78,485	78,485	78,485

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table O27. OLS regressions. Number of out-of-home placements and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)									
OHP: 1 placement	0.167*** [0.004]	0.164*** [0.004]	0.136*** [0.007]	0.251*** [0.007]	0.243*** [0.007]	0.213*** [0.012]	0.129*** [0.015]	0.121*** [0.014]	0.111* [0.060]
OHP: 2 placements	0.268*** ^a [0.007]	0.258*** ^a [0.007]	0.224*** ^a [0.010]	0.410*** ^a [0.012]	0.393*** ^a [0.012]	0.354*** ^a [0.018]	0.182*** ^a [0.019]	0.170*** ^a [0.019]	0.171** [0.079]
OHP: 3 or more	0.402*** ^{ab} [0.009]	0.390*** ^{ab} [0.009]	0.375*** ^{ab} [0.013]	0.678*** ^{ab} [0.018]	0.656*** ^{ab} [0.018]	0.645*** ^{ab} [0.026]	0.311*** ^{ab} [0.024]	0.310*** ^{ab} [0.023]	0.324*** [0.090]
Screened-in	0.056*** ^{abc} [0.001]	0.056*** ^{abc} [0.001]	0.029*** ^{abc} [0.002]	0.081*** ^{abc} [0.002]	0.081*** ^{abc} [0.002]	0.045*** ^{abc} [0.003]	0.066*** ^{abc} [0.007]	0.069*** ^{abc} [0.007]	0.051* ^c [0.029]
N of observations	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	105,303	105,303	105,303
N of clusters (children)	405,761	405,761	405,761	405,761	405,761	405,761	78,485	78,485	78,485

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table O28. OLS regressions. Out-of-home placement type and school stability.

	Dependent variable:								
	Indicator of at least one school change			Number of school changes (All students)			Number of school changes (students who changed schools)		
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
District FE	School FE	Child FE	District FE	School FE	Child FE	District FE	School FE	Child FE	
Placement status (base = only SNAP)									
OHP: RCC	0.314*** [0.011]	0.291*** [0.011]	0.234*** [0.018]	0.523*** [0.021]	0.480*** [0.021]	0.398*** [0.034]	0.284*** [0.031]	0.241*** [0.031]	0.187 [0.115]
OHP: Non-relative FFH	0.217*** ^a [0.005]	0.218*** ^a [0.005]	0.205*** [0.009]	0.316*** ^a [0.008]	0.316*** ^a [0.008]	0.302*** ^a [0.016]	0.117*** ^a [0.014]	0.125*** ^a [0.014]	0.097 [0.066]
OHP: Relative FFH	0.139*** ^{ab} [0.006]	0.137*** ^{ab} [0.006]	0.126*** ^{ab} [0.010]	0.207*** ^{ab} [0.010]	0.204*** ^{ab} [0.010]	0.207*** ^{ab} [0.017]	0.126*** ^a [0.022]	0.125*** ^a [0.021]	0.222** [0.091]
OHP: Group home	0.392*** ^{abc} [0.011]	0.372*** ^{abc} [0.011]	0.320*** ^{abc} [0.018]	0.647*** ^{abc} [0.023]	0.616*** ^{abc} [0.022]	0.546*** ^{abc} [0.038]	0.275*** ^{bc} [0.029]	0.266*** ^{bc} [0.029]	0.186 [0.121]
OHP: Other	0.244*** ^{abcd} [0.011]	0.230*** ^{acd} [0.011]	0.160*** ^{abd} [0.018]	0.442*** ^{abcd} [0.024]	0.416*** ^{abcd} [0.023]	0.317*** ^{cd} [0.038]	0.362*** ^{bc} [0.043]	0.333*** ^{bc} [0.042]	0.305** [0.144]
Screened-in	0.057*** [0.001]	0.057*** [0.001]	0.029*** [0.002]	0.082*** [0.002]	0.082*** [0.002]	0.045*** [0.003]	0.066*** ^{abcde} [0.007]	0.069*** ^{abcde} [0.007]	0.049* [0.029]
N of observations	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	1,235,220	105,303	105,303	105,303
N of clusters (children)	405,761	405,761	405,761	405,761	405,761	405,761	78,485	78,485	78,485

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1, 2, 4, 5, 7 and 8) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table O29. Percentage of students who experienced a decrease in school quality by OHP status.

Placement status	All students			Students who changed schools		
	Did not decrease school quality	Decrease school quality	Total	Did not decrease school quality	Decrease school quality	Total
Only SNAP	431,007 <i>96.2</i>	16,973 <i>3.8</i>	447,980 <i>100</i>	13,012 <i>43.4</i>	16,973 <i>56.6</i>	29,985 <i>100</i>
Screened-in	34,202 <i>93.2</i>	2,491 <i>6.8^a</i>	36,693 <i>100</i>	1,935 <i>43.7</i>	2,491 <i>56.3</i>	4,426 <i>100</i>
OHP	5,552 <i>83.5</i>	1,101 <i>16.5^{ab}</i>	6,653 <i>100</i>	888 <i>44.6</i>	1,101 <i>55.4</i>	1,989 <i>100</i>
OHP: 1 to 4 months	2,271 <i>83.8</i>	440 <i>16.2^{ab}</i>	2,711 <i>100</i>	369 <i>45.6</i>	440 <i>54.4</i>	809 <i>100</i>
OHP: 5 to 9 months	1,217 <i>75.0</i>	406 <i>25.0^{abf}</i>	1,623 <i>100</i>	329 <i>44.8</i>	406 <i>55.2</i>	735 <i>100</i>
OHP: 10 months	2,064 <i>89.0</i>	255 <i>11.0^{abfg}</i>	2,319 <i>100</i>	190 <i>42.7</i>	255 <i>57.3</i>	445 <i>100</i>
OHP: 1	3,420 <i>87.2</i>	503 <i>12.8^{ab}</i>	3,923 <i>100</i>	394 <i>43.9</i>	503 <i>56.1</i>	897 <i>100</i>
OHP: 2	1,473 <i>81.8</i>	328 <i>18.2^{abx}</i>	1,801 <i>100</i>	288 <i>46.8</i>	328 <i>53.2^a</i>	616 <i>100</i>
OHP: 3 or more	659 <i>70.9</i>	270 <i>29.1^{abxy}</i>	929 <i>100</i>	206 <i>43.3</i>	270 <i>56.7</i>	476 <i>100</i>
OHP: RCC	597 <i>84.1</i>	113 <i>15.9^{ab}</i>	710 <i>100</i>	124 <i>52.3</i>	113 <i>47.9^{ab}</i>	237 <i>100</i>
OHP: Non-relative FFH	2,759 <i>81.9</i>	608 <i>18.1^{ab}</i>	3,367 <i>100</i>	459 <i>43.0</i>	608 <i>57.0^m</i>	1,067 <i>100</i>
OHP: Relative FFH	1,518 <i>87.9</i>	209 <i>12.1^{abmn}</i>	1,727 <i>100</i>	163 <i>43.8</i>	209 <i>56.2^m</i>	372 <i>100</i>
OHP: Group home	222 <i>71.2</i>	90 <i>28.8^{abmno}</i>	312 <i>100</i>	66 <i>42.3</i>	90 <i>57.7^m</i>	156 <i>100</i>
OHP: Other	456 <i>84.9</i>	81 <i>15.1^{abnop}</i>	537 <i>100</i>	76 <i>48.4</i>	81 <i>51.6</i>	157 <i>100</i>

Notes: Row percentages are in italics. Frequencies and percentages were calculated for sample of students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13. A decrease in school quality in reading or math was defined as the significant reduction ($p=0.5$, standard normal distribution) of the schools' value-added from the beginning to the end of the school term.

^aDiffers from only SNAP months at $p<.05$.

^bDiffers from screened-in months at $p<.05$.

^fDiffers from OHP 1-3 months at $p<.05$.

^gDiffers from OHP 4-7 months at $p<.05$.

^xDiffers from OHP 1 placement at $p<.05$.

^yDiffers from OHP 2 placements at $p<.05$.

^mDiffers from OHP RCC at $p<.05$.

ⁿDiffers from OHP non-relative FFH at $p<.05$.

^oDiffers from OHP relative FFH at $p<.05$.

Table O30. Linear probability (OLS) regressions. OHP status and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP	0.125*** [0.005]	0.122*** [0.005]	0.098*** [0.010]	-0.001 [0.014]	-0.001 [0.012]	0.002 [0.082]
Screened-in	0.034*** ^a [0.002]	0.034*** ^a [0.002]	0.015*** ^a [0.003]	-0.006 [0.009]	0.000 [0.008]	-0.009 [0.045]
N of observations	491,326	491,326	491,326	36,400	36,400	36,400
N of clusters (children)	197,036	197,036	197,036	29,505	29,505	29,505

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O31. Linear probability (OLS) regressions. OHP length and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: 1 to 4 months	0.119*** [0.007]	0.117*** [0.007]	0.096*** [0.013]	-0.010 [0.020]	-0.011 [0.018]	-0.020 [0.102]
OHP: 5 to 9 months	0.205*** ^a [0.011]	0.202*** ^a [0.011]	0.157*** ^a [0.018]	-0.007 [0.022]	0.002 [0.019]	0.025 [0.112]
OHP: 10 months	0.072*** ^{ab} [0.007]	0.068*** ^{ab} [0.007]	0.023 ^{ab} [0.016]	0.030 [0.028]	0.015 [0.025]	0.019 [0.143]
Screened-in	0.033*** ^{abc} [0.002]	0.033*** ^{abc} [0.002]	0.015*** ^{ab} [0.003]	-0.005 [0.009]	0.000 [0.008]	-0.008 [0.045]
N of observations	491,326	491,326	491,326	36,400	36,400	36,400
N of clusters (children)	197,036	197,036	197,036	29,505	29,505	29,505

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table O32. Linear probability (OLS) regressions. Number of OHPs and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: 1 placement	0.088*** [0.006]	0.087*** [0.005]	0.063*** [0.011]	0.005 [0.019]	0.007 [0.017]	-0.005 [0.103]
OHP: 2 placements	0.142*** ^a [0.009]	0.138*** ^a [0.009]	0.120*** ^a [0.017]	-0.022 [0.023]	-0.019 [0.021]	0.042 [0.119]
OHP: 3 or more placements	0.247*** ^{ab} [0.015]	0.237*** ^{ab} [0.015]	0.226*** ^{ab} [0.025]	0.017 [0.027]	0.006 [0.025]	-0.043 [0.125]
Screened-in	0.034*** ^{abc} [0.002]	0.034*** ^{abc} [0.002]	0.015*** ^{abc} [0.003]	-0.006 [0.009]	0.000 [0.008]	-0.009 [0.045]
N of observations	491,326	491,326	491,326	36,400	36,400	36,400
N of clusters (children)	197,036	197,036	197,036	29,505	29,505	29,505

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table O33. Linear probability (OLS) regressions. OHP type and decrease in school quality.

	All students			Students who changed schools		
	(1)	(2)	(3)	(4)	(5)	(6)
	District FE	School FE	Child FE	District FE	School FE	Child FE
Placement status (base = only SNAP)						
OHP: RCC	0.119*** [0.014]	0.112*** [0.014]	0.080*** [0.028]	-0.074** [0.036]	-0.063* [0.033]	-0.050 [0.196]
OHP: Non-relative FFH	0.141*** [0.007]	0.139*** [0.007]	0.113*** [0.014]	0.014 ^a [0.018]	0.010 ^a [0.016]	0.010 [0.100]
OHP: Relative FFH	0.081*** ^{ab} [0.008]	0.080*** ^{ab} [0.008]	0.077*** [0.016]	-0.010 [0.029]	0.009 [0.026]	0.046 [0.161]
OHP: Group home	0.246*** ^{abc} [0.026]	0.238*** ^{abc} [0.026]	0.225*** ^{abc} [0.048]	0.054 ^a [0.045]	0.022 [0.041]	-0.013 [0.222]
OHP: Other	0.104*** ^{bd} [0.015]	0.097*** ^{bd} [0.015]	0.049* ^{bd} [0.028]	-0.025 [0.046]	-0.037 [0.039]	-0.036 [0.200]
Screened-in	0.034*** ^{abcde} [0.002]	0.034*** ^{abcde} [0.002]	0.015*** ^{abcd} [0.003]	-0.006 [0.009]	0.000 [0.008]	-0.009 [0.045]
N of observations	491,326	491,326	491,326	36,400	36,400	36,400
N of clusters (children)	197,036	197,036	197,036	29,505	29,505	29,505

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable in all regressions is an indicator of school quality decrease in any subject (reading or math). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, disability status, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, regressions controlling for school or district fixed-effects (columns 1, 2, 4, and 5) also control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students enrolled in grades 3 through 8 at the beginning of school years 2005-06 through 2012-13.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table O34. Percentage of students whose disability status changed by OHP status.

Placement status	Students whose...		Total
	disability status did not change	disability status changed	
Only SNAP	1,018,965 <i>96.8</i>	33,726 <i>3.2</i>	1,052,691 <i>100</i>
Screened-in	70,693 <i>94.9</i>	3,816 <i>5.1^a</i>	74,509 <i>100</i>
OHP	17,953 <i>92.4</i>	1,474 <i>7.6^{ab}</i>	19,427 <i>100</i>
OHP: 1 to 4 months	6,406 <i>92.5</i>	519 <i>7.5^{ab}</i>	6,925 <i>100</i>
OHP: 5 to 9 months	4,688 <i>91.7</i>	424 <i>8.3^{ab}</i>	5,112 <i>100</i>
OHP: 10 months	6,859 <i>92.8</i>	531 <i>7.2^{abg}</i>	7,390 <i>100</i>
OHP: 1	10,559 <i>93.4</i>	751 <i>6.6^{ab}</i>	11,310 <i>100</i>
OHP: 2	4,691 <i>92.0</i>	409 <i>8.0^{abx}</i>	5,100 <i>100</i>
OHP: 3 or more	2,703 <i>89.6</i>	314 <i>10.4^{abxy}</i>	3,017 <i>100</i>
OHP: RCC	1,895 <i>88.6</i>	244 <i>11.4^{ab}</i>	2,139 <i>100</i>
OHP: Non-relative FFH	8,482 <i>93.0</i>	636 <i>7.0^{abm}</i>	9,118 <i>100</i>
OHP: Relative FFH	4,316 <i>94.7</i>	242 <i>5.3^{amn}</i>	4,558 <i>100</i>
OHP: Group home	1,846 <i>88.9</i>	231 <i>11.1^{abno}</i>	2,077 <i>100</i>
OHP: Other	1,414 <i>92.1</i>	121 <i>7.9^{abmop}</i>	1,535 <i>100</i>

Note: Row percentages are in italics. Frequencies and percentages were calculated for sample of students in grades 1 through 12 and from school years 2005-06 through 2013-14. A student's disability status change could be from "no disability" to "disability" or vice versa.

^aDiffers from only SNAP months at p<.05.

^bDiffers from screened-in months at p<.05.

^fDiffers from OHP 1-4 months at p<.05.

^gDiffers from OHP 5-9 months at p<.05.

^xDiffers from OHP 1 placement at p<.05.

^yDiffers from OHP 2 placements at p<.05.

^mDiffers from OHP RCC at p<.05.

ⁿDiffers from OHP non-relative FFH at p<.05.

^oDiffers from OHP relative FFH at p<.05.

Table O35. Linear probability (OLS) regressions. OHP status and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP	0.040*** [0.002]	0.034*** [0.002]	0.039*** [0.002]	0.033*** [0.002]	0.022*** [0.004]	0.019*** [0.004]
Screened-in	0.016*** ^a [0.001]	0.014*** ^a [0.001]	0.015*** ^a [0.001]	0.014*** ^a [0.001]	0.003*** ^a [0.001]	0.003*** ^a [0.001]
School instability		0.028*** [0.001]		0.027*** [0.001]		0.017*** [0.001]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 1,146,627. Number of clusters (children): 386,673.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP at p<.05.

Table O36. Linear probability (OLS) regressions. OHP length and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP: 1 to 4 months	0.040*** [0.003]	0.033*** [0.003]	0.039*** [0.003]	0.032*** [0.003]	0.020*** [0.005]	0.016*** [0.005]
OHP: 5 to 9 months	0.047*** [0.004]	0.037*** [0.004]	0.045*** [0.004]	0.036*** [0.004]	0.028*** [0.006]	0.023*** [0.006]
OHP: 10 months	0.036*** ^b [0.003]	0.033*** [0.003]	0.035*** ^b [0.003]	0.033*** [0.003]	0.018*** [0.006]	0.017*** [0.006]
Screened-in	0.016*** ^{abc} [0.001]	0.014*** ^{abc} [0.001]	0.015*** ^{abc} [0.001]	0.014*** ^{abc} [0.001]	0.003** ^{abc} [0.001]	0.003** ^{abc} [0.001]
School instability		0.028*** [0.001]		0.027*** [0.001]		0.017*** [0.001]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 1,146,627. Number of clusters (children): 386,673.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-4 months at p<.05.

^bDiffers from OHP 5-9 months at p<.05.

^cDiffers from OHP 10 months at p<.05.

Table O37. Linear probability (OLS) regressions. Number of OHPs and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP: 1 placement	0.031*** [0.002]	0.026*** [0.002]	0.030*** [0.002]	0.026*** [0.002]	0.017*** [0.004]	0.014*** [0.004]
OHP: 2 placements	0.045*** ^a [0.004]	0.037*** ^a [0.004]	0.043*** ^a [0.004]	0.036*** ^a [0.004]	0.025*** [0.006]	0.021*** [0.006]
OHP: 3 or more	0.069*** ^{ab} [0.006]	0.058*** ^{ab} [0.006]	0.067*** ^{ab} [0.006]	0.057*** ^{ab} [0.006]	0.038*** ^a [0.008]	0.032*** ^a [0.008]
Screened-in	0.016*** ^{abc} [0.001]	0.014*** ^{abc} [0.001]	0.015*** ^{abc} [0.001]	0.014*** ^{abc} [0.001]	0.003** ^{abc} [0.001]	0.003** ^{abc} [0.001]
School instability		0.027*** [0.001]		0.027*** [0.001]		0.017*** [0.001]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 1,146,627. Number of clusters (children): 386,673.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 or more placements at p<.05.

Table O38. Linear probability (OLS) regressions. OHP type and change in disability status.

	District FE		School FE		Child FE	
	(1)	(2)	(3)	(4)	(5)	(6)
Placement status (base = only SNAP)						
OHP: RCC	0.080*** [0.007]	0.071*** [0.007]	0.079*** [0.007]	0.071*** [0.007]	0.043*** [0.012]	0.039*** [0.011]
OHP: Non- relative FFH	0.034*** a [0.003]	0.028*** a [0.003]	0.034*** a [0.003]	0.028*** a [0.003]	0.017*** a [0.005]	0.014*** a [0.005]
OHP: Relative FFH	0.017*** ab [0.003]	0.013*** ab [0.003]	0.017*** ab [0.003]	0.013*** ab [0.003]	0.009* a [0.006]	0.007 a [0.006]
OHP: Group home	0.078*** bc [0.007]	0.067*** bc [0.007]	0.076*** bc [0.007]	0.066*** bc [0.007]	0.061*** bc [0.012]	0.055*** bc [0.012]
OHP: Other	0.045*** acd [0.007]	0.038*** acd [0.007]	0.044*** acd [0.007]	0.037*** acd [0.007]	0.017 ^d [0.010]	0.014 ^d [0.010]
Screened-in	0.016*** abde [0.001]	0.014*** abde [0.001]	0.015*** abde [0.001]	0.014*** abde [0.001]	0.003*** abd [0.001]	0.003*** abd [0.001]
School instability		0.027*** [0.001]		0.027*** [0.001]		0.017*** [0.001]

Notes: Coefficients and robust and clustered standard errors are presented. The dependent variable is an indicator of whether the student's disability status changed (from having no disability to having one or vice versa). All regressions control for whether the student was eligible for school lunch at the beginning of the school year, whether the student's age is above the normative age for their current grade, the student's English language proficiency level at the beginning of the school year, the student's disability status at the beginning of the school term, family structure and number of children in the household in the school year, family wage in the previous year, whether earnings were reported for only one parent in a two-parent family, an indicator of having a parent incarcerated in the school year, grade, and school year. In addition, district and school fixed-effect regressions (columns 1 through 4) control for child time invariant characteristics, such as child gender, child race, mother's age at the child's birth, and whether any parent was incarcerated in the past 15 years. The sample includes students in grades 1 through 12 and from school years 2005-06 through 2013-14. Number of student-year observations: 1,146,627. Number of clusters (children): 386,673.

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RCC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

Table O39. High school completion and graduation rates by out-of-home placement

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
Place out-of-home	734	1,456	856	1,455	897	1,464	791	1,456	921	1,455	968	1,464
	<i>50.40</i>	<i>100.00</i>	<i>58.80</i>	<i>100.00</i>	<i>61.30</i>	<i>100.00</i>	<i>54.30</i>	<i>100.00</i>	<i>63.30</i>	<i>100.00</i>	<i>66.10</i>	<i>100.00</i>
Screened-in	3,207	4,462	3,465	4,468	3,549	4,477	3,279	4,462	3,549	4,468	3,635	4,477
	<i>71.90^a</i>	<i>100.00</i>	<i>77.60^a</i>	<i>100.00</i>	<i>79.30^a</i>	<i>100.00</i>	<i>73.50^a</i>	<i>100.00</i>	<i>79.40^a</i>	<i>100.00</i>	<i>81.20^a</i>	<i>100.00</i>
Only SNAP	22,961	29,173	27,675	33,216	31,385	37,044	23,387	29,173	28,205	33,216	31,998	37,044
	<i>78.70^{ab}</i>	<i>100.00</i>	<i>83.30^{ab}</i>	<i>100.00</i>	<i>84.70^{ab}</i>	<i>100.00</i>	<i>80.20^{ab}</i>	<i>100.00</i>	<i>84.90^{ab}</i>	<i>100.00</i>	<i>86.40^{ab}</i>	<i>100.00</i>

Note: 35,091 students for the 4-year time frame, 39,139 students for the 5-year time frame, and 42,985 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP at p<.05.

^bDiffers from SI at p<.05.

Table O40. High school completion and graduation rates by out-of-home placement length

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 to 5 months	227 47.60	477 100.00	259 54.40	476 100.00	272 56.50	481 100.00	246 51.60	477 100.00	278 58.40	476 100.00	292 60.70	481 100.00
OHP: 6 to 10 months	155 49.80	311 100.00	178 57.40	310 100.00	183 58.80	311 100.00	170 54.70	311 100.00	196 63.20	310 100.00	201 64.60	311 100.00
OHP: 11 to 20 months	143 46.40	308 100.00	174 56.50	308 100.00	183 59.00	310 100.00	156 50.60	308 100.00	189 61.40	308 100.00	200 64.50	310 100.00
OHP: 21 to 30 months / 21 or more	209 58.10 ^{abc}	360 100.00	96 64.00 ^a	150 100.00	102 67.50 ^{abc}	151 100.00	219 60.80 ^{ac}	360 100.00	103 68.70 ^a	150 100.00	110 72.80 ^{abc}	151 100.00
OHP: 31 or more			149 70.60 ^{abc}	211 100.00	157 74.40 ^{abc}	211 100.00			155 73.50 ^{abc}	211 100.00	165 78.20 ^{abc}	211 100.00
Screened-in	3,207 71.90 ^{abcd}	4,462 100.00	3,465 77.60 ^{abcde}	4,468 100.00	3,549 79.30 ^{abcde}	4,477 100.00	3,279 73.50 ^{abcd}	4,462 100.00	3,549 79.40 ^{abcde}	4,468 100.00	3,635 81.20 ^{abcd}	4,477 100.00
Only SNAP	22,961 78.70 ^{abcde}	29,173 100.00	27,675 83.30 ^{abcdef}	33,216 100.00	31,385 84.70 ^{abcdef}	37,044 100.00	23,387 80.20 ^{abcde}	29,173 100.00	28,205 84.90 ^{abcdef}	33,216 100.00	31,998 86.40 ^{abcdef}	37,044 100.00

Note: 35,091 students for the 4-year time frame, 39,139 students for the 5-year time frame, and 42,985 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from OHP 1-5 months at p<.05.

^bDiffers from OHP 6-10 months at p<.05.

^cDiffers from OHP 11-20 months at p<.05.

^dDiffers from OHP 21-30 months / 21 months or more at p<.05.

^eDiffers from OHP 31 months or more at p<.05.

^fDiffers from SI at p<.05.

Table O41. High school completion and graduation rates by number of out-of-home placements

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: 1 placement	311 48.80	637 100.00	362 56.80	637 100.00	385 60.00	642 100.00	336 52.70	637 100.00	390 61.20	637 100.00	415 64.60	642 100.00
OHP: 2 placements	198 53.80	368 100.00	225 61.60	365 100.00	231 63.30	365 100.00	210 57.10	368 100.00	239 65.50	365 100.00	245 67.10	365 100.00
OHP: 3 placements	101 55.80 ^a	181 100.00	118 65.90 ^a	179 100.00	121 66.90 ^b	181 100.00	105 58.00	181 100.00	123 68.70 ^a	179 100.00	126 69.60	181 100.00
OHP: 4 or more	124 45.90 ^{bc}	270 100.00	151 55.10 ^b	274 100.00	160 58.00 ^c	276 100.00	140 51.90	270 100.00	169 61.70	274 100.00	182 65.90	276 100.00
Screened-in	3,207 71.90 ^{abcd}	4,462 100.00	3,465 77.60 ^{abcd}	4,468 100.00	3,549 79.30 ^{abcd}	4,477 100.00	3,279 73.50 ^{abcd}	4,462 100.00	3,549 79.40 ^{abcd}	4,468 100.00	3,635 81.20 ^{abcd}	4,477 100.00
Only SNAP	22,961 78.70 ^{abcde}	29,173 100.00	27,675 83.30 ^{abcde}	33,216 100.00	31,385 84.70 ^{abcde}	37,044 100.00	23,387 80.20 ^{abcde}	29,173 100.00	28,205 84.90 ^{abcde}	33,216 100.00	31,998 86.40 ^{abcde}	37,044 100.00

Note: 35,091 students for the 4-year time frame, 39,139 students for the 5-year time frame, and 42,985 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 placements at p<.05.

^dDiffers from 4 or more placements at p<.05.

^eDiffers from SI at p<.05.

Table O42. High school completion and graduation rates by out-of-home placement type

	HS graduation						HS completion					
	4-year time frame		5-year time frame		6-year time frame		4-year time frame		5-year time frame		6-year time frame	
	Graduated	Total	Graduated	Total	Graduated	Total	Completed	Total	Completed	Total	Completed	Total
OHP: RCC	117	289	144	286	153	289	132	289	162	286	172	289
	<i>40.50</i>	<i>100.00</i>	<i>50.30</i>	<i>100.00</i>	<i>52.90</i>	<i>100.00</i>	<i>45.70</i>	<i>100.00</i>	<i>56.60</i>	<i>100.00</i>	<i>59.50</i>	<i>100.00</i>
OHP: Non- relative FFH	298	561	344	560	361	562	314	561	363	560	385	562
	<i>53.10^a</i>	<i>100.00</i>	<i>61.40^a</i>	<i>100.00</i>	<i>64.20^a</i>	<i>100.00</i>	<i>56.00^a</i>	<i>100.00</i>	<i>64.80^a</i>	<i>100.00</i>	<i>68.50^a</i>	<i>100.00</i>
OHP: Relative FFH	135	209	151	209	156	211	142	209	158	209	163	211
	<i>64.60^{ab}</i>	<i>100.00</i>	<i>72.20^{ab}</i>	<i>100.00</i>	<i>73.90^{ab}</i>	<i>100.00</i>	<i>67.90^{ab}</i>	<i>100.00</i>	<i>75.60^{ab}</i>	<i>100.00</i>	<i>77.30^{ab}</i>	<i>100.00</i>
OHP: Group home	111	254	135	255	141	256	123	254	149	255	155	256
	<i>43.70^{bc}</i>	<i>100.00</i>	<i>52.90^{bc}</i>	<i>100.00</i>	<i>55.10^{bc}</i>	<i>100.00</i>	<i>48.40^{bc}</i>	<i>100.00</i>	<i>58.40^{bc}</i>	<i>100.00</i>	<i>60.50^{bc}</i>	<i>100.00</i>
OHP: Other	73	143	82	145	86	146	80	143	89	145	93	146
	<i>51.00^{ab}</i>	<i>100.00</i>	<i>56.60^c</i>	<i>100.00</i>	<i>58.90^c</i>	<i>100.00</i>	<i>55.90^{ac}</i>	<i>100.00</i>	<i>61.40^c</i>	<i>100.00</i>	<i>63.70^c</i>	<i>100.00</i>
Screened-in	3,207	4,462	3,465	4,468	3,549	4,477	3,279	4,462	3,549	4,468	3,635	4,477
	<i>71.90^{abcde}</i>	<i>100.00</i>	<i>77.60^{abcde}</i>	<i>100.00</i>	<i>79.30^{abcde}</i>	<i>100.00</i>	<i>73.50^{abcde}</i>	<i>100.00</i>	<i>79.40^{abde}</i>	<i>100.00</i>	<i>81.20^{abde}</i>	<i>100.00</i>
Only SNAP	22,961	29,173	27,675	33,216	31,385	37,044	23,387	29,173	28,205	33,216	31,998	37,044
	<i>78.70^{abcdef}</i>	<i>100.00</i>	<i>83.30^{abcdef}</i>	<i>100.00</i>	<i>84.70^{abcdef}</i>	<i>100.00</i>	<i>80.20^{abcdef}</i>	<i>100.00</i>	<i>84.90^{abcdef}</i>	<i>100.00</i>	<i>86.40^{abcdef}</i>	<i>100.00</i>

Note: 35,091 students for the 4-year time frame, 39,139 students for the 5-year time frame, and 42,985 students for the 6-year time frame. Sample includes 2010 (9th grade in 2006-07), 2011 (9th grade in 2007-08), and 2012 cohorts (9th grade in 2008-09).

^aDiffers from RRC at p<.05.

^bDiffers from non-relative FFH at p<.05.

^cDiffers from relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^eDiffers from another type of care at p<.05.

^fDiffers from SI at p<.05.

Table O43. Linear Probability (OLS) regressions. High school completion and high school graduation by out-of-home placement status.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.128*** [0.018]	-0.109*** [0.017]	-0.106*** [0.016]	-0.121*** [0.018]	-0.096*** [0.016]	-0.093*** [0.015]
Screened-in	-0.043*** ^a [0.008]	-0.041*** ^a [0.008]	-0.043*** ^a [0.007]	-0.040*** ^a [0.009]	-0.039*** ^a [0.008]	-0.041*** ^a [0.007]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.080*** [0.011]	-0.075*** [0.010]	-0.066*** [0.010]	-0.078*** [0.011]	-0.072*** [0.010]	-0.061*** [0.010]
Ever screened-in	-0.071*** [0.022]	-0.087*** [0.022]	-0.072*** [0.021]	-0.056** [0.022]	-0.074*** [0.022]	-0.054*** [0.020]
School FE						
Placement status (base = only SNAP)						
Placed out-of-home	-0.129*** [0.017]	-0.111*** [0.016]	-0.109*** [0.015]	-0.118*** [0.016]	-0.097*** [0.015]	-0.094*** [0.014]
Screened-in	-0.043*** ^a [0.007]	-0.039*** ^a [0.006]	-0.039*** ^a [0.006]	-0.039*** ^a [0.007]	-0.034*** ^a [0.006]	-0.035*** ^a [0.006]
Involvement with the child welfare system before 9th grade (base=None)						
Ever placed out-of-home	-0.085*** [0.010]	-0.075*** [0.009]	-0.067*** [0.009]	-0.083*** [0.010]	-0.073*** [0.009]	-0.063*** [0.009]
Ever screened-in	-0.068*** [0.021]	-0.074*** [0.021]	-0.063*** [0.020]	-0.057*** [0.021]	-0.065*** [0.021]	-0.049** [0.020]
N of observations	35,091	39,139	42,985	35,091	39,139	42,985
N of clusters (schools)	493	493	493	493	493	493

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012).

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP during time frame at p<.05.

Table O44. Linear Probability (OLS) regressions. High school completion and high school graduation by length of placement.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
OHP: 1 to 5 months	-0.170*** [0.024]	-0.158*** [0.024]	-0.156*** [0.024]	-0.162*** [0.024]	-0.151*** [0.025]	-0.148*** [0.025]
OHP: 6 to 10 months	-0.134*** [0.033]	-0.121*** [0.032]	-0.124*** [0.030]	-0.115*** [0.031]	-0.095*** [0.030]	-0.101*** [0.027]
OHP: 11 to 20 months	-0.149*** [0.033]	-0.118*** [0.031]	-0.118*** [0.029]	-0.141*** [0.032]	-0.101*** [0.030]	-0.098*** [0.028]
OHP: 21 to 30 months / 21 months or more	-0.021 ^{abc} [0.031]	-0.047 ^a [0.041]	-0.029 ^{ab} [0.040]	-0.030 ^{abc} [0.030]	-0.038 ^a [0.039]	-0.016 ^a [0.037]
OHP: 31 months or more		0.059 ^{abcd} [0.037]	0.064 ^{abc} [0.037]		0.049 ^{abc} [0.035]	0.059 ^{abc} [0.034]
Screened-in	-0.042*** ^{abc} [0.008]	-0.041*** ^{abce} [0.008]	-0.043*** ^{abce} [0.007]	-0.040*** ^{abc} [0.009]	-0.038*** ^{ace} [0.008]	-0.041*** ^{abc} [0.007]
School FE						
Placement status (base = only SNAP)						
OHP: 1 to 5 months	-0.172*** [0.023]	-0.162*** [0.023]	-0.161*** [0.023]	-0.161*** [0.023]	-0.153*** [0.024]	-0.152*** [0.024]
OHP: 6 to 10 months	-0.120*** [0.030]	-0.111*** [0.029]	-0.112*** [0.028]	-0.104*** [0.029]	-0.087*** ^a [0.026]	-0.089*** [0.025]
OHP: 11 to 20 months	-0.152*** [0.029]	-0.121*** [0.029]	-0.122*** [0.028]	-0.138*** [0.028]	-0.102*** [0.028]	-0.098*** [0.026]
OHP: 21 to 30 months / 21 months or more	-0.028 ^{abc} [0.030]	-0.044 ^a [0.038]	-0.034 ^a [0.038]	-0.029 ^{abc} [0.028]	-0.028 ^a [0.036]	-0.016 ^a [0.035]
OHP: 31 months or more		0.036 ^{abc} [0.037]	0.041 ^{abc} [0.036]		0.035 ^{abc} [0.035]	0.043 ^{abc} [0.033]
Screened-in	-0.043*** ^{abc} [0.007]	-0.039*** ^{abce} [0.006]	-0.039*** ^{abce} [0.006]	-0.039*** ^{abc} [0.007]	-0.034*** ^{abc} [0.006]	-0.034*** ^{abce} [0.006]
N of observations	35,091	39,139	42,985	35,091	39,139	42,985
N of clusters (schools)	493	493	493	493	493	493

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012).

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from OHP 1-5 months at p<.05.

^cDiffers from OHP 11-20 months at p<.05.

^dDiffers from OHP 31-more months at p<.05.

^bDiffers from OHP 6-10 months at p<.05.

^dDiffers from OHP 21-30 / 21 or more months at p<.05.

Table O45. Linear Probability (OLS) regressions. High school completion and high school graduation by number of placements.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
OHP: 1 placement	-0.138*** [0.024]	-0.121*** [0.022]	-0.112*** [0.021]	-0.128*** [0.024]	-0.107*** [0.021]	-0.098*** [0.021]
OHP: 2 placements	-0.098*** [0.031]	-0.086*** [0.028]	-0.094*** [0.027]	-0.094*** [0.031]	-0.077*** [0.027]	-0.087*** [0.025]
OHP: 3 placements	-0.101*** [0.039]	-0.060 [0.038]	-0.067* [0.037]	-0.119*** [0.039]	-0.077** [0.038]	-0.087** [0.037]
OHP: 4 or more placements	-0.170*** [0.036]	-0.145*** [0.037]	-0.138*** [0.035]	-0.143*** [0.033]	-0.110*** [0.032]	-0.092*** [0.032]
Screened-in	-0.043*** ^{ad} [0.008]	-0.041*** ^{ad} [0.008]	-0.043*** ^{ad} [0.007]	-0.040*** ^{ad} [0.009]	-0.039*** ^{ad} [0.008]	-0.041*** ^a [0.007]
School FE						
Placement status (base = only SNAP)						
OHP: 1 placement	-0.137*** [0.022]	-0.121*** [0.022]	-0.113*** [0.021]	-0.128*** [0.022]	-0.109*** [0.021]	-0.100*** [0.020]
OHP: 2 placements	-0.093*** [0.028]	-0.081*** [0.026]	-0.088*** [0.026]	-0.088*** [0.028]	-0.073*** [0.025]	-0.081*** [0.024]
OHP: 3 placements	-0.108*** [0.036]	-0.084** [0.035]	-0.096*** [0.034]	-0.108*** [0.037]	-0.078** [0.035]	-0.092*** [0.034]
OHP: 4 or more placements	-0.175*** ^b [0.033]	-0.148*** [0.035]	-0.142*** [0.034]	-0.144*** [0.030]	-0.113*** [0.030]	-0.096*** [0.031]
Screened-in	-0.043*** ^{ad} [0.007]	-0.039*** ^{ad} [0.006]	-0.039*** ^{ad} [0.006]	-0.039*** ^{ad} [0.007]	-0.034*** ^{ad} [0.006]	-0.035*** ^a [0.006]
N of observations	35,091	39,139	42,985	35,091	39,139	42,985
N of clusters (schools)	493	493	493	493	493	493

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012).

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from 1 placement at p<.05.

^bDiffers from 2 placements at p<.05.

^cDiffers from 3 placements at p<.05.

^dDiffers from 4 or more placements at p<.05.

Table O46. Linear Probability (OLS) regressions. High school completion and high school graduation by placement type.

	High school graduation			High school completion		
	(1)	(2)	(3)	(4)	(5)	(6)
	4-year	5-year	6-year	4-year	5-year	6-year
District FE						
Placement status (base = only SNAP)						
OHP: RCC	-0.198*** [0.034]	-0.168*** [0.032]	-0.163*** [0.031]	-0.179*** [0.034]	-0.140*** [0.032]	-0.136*** [0.031]
OHP: Non-relative FFH	-0.105*** a [0.027]	-0.081*** a [0.026]	-0.077*** a [0.024]	-0.112*** [0.027]	-0.082*** [0.026]	-0.071*** [0.025]
OHP: Relative FFH	-0.040 a [0.036]	-0.017 a [0.034]	-0.020 a [0.033]	-0.036 a [0.035]	-0.012 a [0.033]	-0.018 a [0.032]
OHP: Group home	-0.164*** c [0.039]	-0.144*** c [0.034]	-0.144*** c [0.034]	-0.151*** c [0.038]	-0.124*** c [0.031]	-0.128*** c [0.031]
OHP: Other	-0.135*** [0.041]	-0.149*** c [0.040]	-0.146*** c [0.039]	-0.108*** [0.040]	-0.125*** c [0.040]	-0.125*** c [0.038]
Screened-in	-0.043*** abce [0.008]	-0.041*** ace [0.008]	-0.043*** ace [0.007]	-0.040*** abd [0.009]	-0.038*** ade [0.008]	-0.041*** ade [0.007]
School FE						
Placement status (base = only SNAP)						
OHP: RCC	-0.188*** [0.033]	-0.166*** [0.032]	-0.164*** [0.031]	-0.166*** [0.032]	-0.135*** [0.031]	-0.132*** [0.030]
OHP: Non-relative FFH	-0.107*** a [0.024]	-0.090*** a [0.023]	-0.089*** [0.022]	-0.106*** [0.024]	-0.084*** [0.023]	-0.078*** [0.022]
OHP: Relative FFH	-0.053 a [0.032]	-0.027 a [0.031]	-0.026 a [0.030]	-0.046 a [0.032]	-0.021 a [0.030]	-0.022 a [0.028]
OHP: Group home	-0.159*** c [0.036]	-0.134*** c [0.032]	-0.132*** c [0.032]	-0.148*** c [0.035]	-0.116*** c [0.029]	-0.117*** c [0.029]
OHP: Other	-0.137*** [0.036]	-0.147*** c [0.040]	-0.141*** c [0.041]	-0.119*** [0.038]	-0.133*** c [0.041]	-0.128*** c [0.041]
Screened-in	-0.043*** abde [0.007]	-0.039*** abde [0.006]	-0.039*** abde [0.006]	-0.039*** abde [0.007]	-0.034*** abde [0.006]	-0.035*** ade [0.006]
N of observations	35,091	39,139	42,985	35,091	39,139	42,985
N of clusters (schools)	493	493	493	493	493	493

Notes: Coefficients and robust and clustered standard errors are presented. All regressions control for the child gender, child race, mother's age at the child's birth, the student's age, the student's disability status and whether the student was eligible for school lunch at the beginning of ninth grade, whether the student had disciplinary incidents in ninth grade, English proficiency in ninth grade, an indicator of whether the student experienced single parenthood during the time frame, average number of children in the student's family during the time frame, average parental income during the time frame, an indicator of whether earnings were reported for only one parent in a two-parent family, an indicator of whether one parent was incarcerated during the time frame, the student's math and reading test scores in eighth grade, and cohort fixed effects. The sample includes students who were in ninth grade in 2006-07 (cohort 2010), 2007-08 (cohort 2011), and 2008-09 (cohort 2012).

* p<0.1; ** p<0.05; *** p<0.01.

^aDiffers from RRC at p<.05.

^cDiffers from relative FFH at p<.05.

^eDiffers from another type of care at p<.05.

^bDiffers from non-relative FFH at p<.05.

^dDiffers from group home care at p<.05.

^fDiffers from SI at p<.05.