

**Table 5. Performance of Middletown Preschools**

Preschool	Race								Socioeconomic Status				Time in Preschool		
	Asian		Black		Hispanic		White		Free/Reduced-Price Lunch		Full-Price Lunch				
	% Passing <sup>1</sup> (n) <sup>2</sup>	+/- Points Above/Below Middletown Average <sup>3</sup>	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n) [% Change] <sup>4</sup>	+/- Points Above/Below Middletown Average	
Middletown Average	67.0% (59)	X <sup>5</sup>	65.0% (247)	X	55.3% (88)	X	79.1% (695)	X	57.3% (247)	X	79.7% (751)	X	1-12 months	67.2% (404) [X]	X
													13-24 months	78.5% (435) [+11.3%]	X
													25-64 months	81.3% (120) [+3.1%]	X
Preschool A	X	X	X	X	X	X	89.2% (33)	+10.1	X	X	89.1% (41)	+9.4	1-12 months	73.3% (11) [X]	X
													13-24 months	100.0% (8) [+26.7%]	+15.4
													25-64 months	95.7% (22) [-4.3%]	-7.4

<sup>1</sup> % Passing refers to the elevated cutoff levels created based on the Dial-3 Manual. More information can be found in the methodology section, as well as in Appendix B.

<sup>2</sup> n refers to the number of student observations for each sub-category.

<sup>3</sup> +/- Points Above/Below Middletown Average was calculated by subtracting the Middletown Average for each sub-category from each preschool's value for that sub-category. For example, [Preschool B's Percent of Asian Students Passing (38.9%) – [Middletown Average Percent of Asian Students Passing (67.0%) = [+/- Points Below Middletown Average (-28.1)].

<sup>4</sup> % Change refers to the change in the percentage of students passing from the previous length of time. For example, [Middletown Average Percent of Students with 13-24 Months of Preschool Passing (78.5%) – [Middletown Average Percent of Students with 1-12 Months of Preschool Passing (67.2)] = [Middletown Average % Change for 13-24 Months (+11.3%)].

<sup>5</sup> X refers to missing or insufficient data (in this case, fewer than 5 observations).

Preschool	Race								Socioeconomic Status				Time in Preschool		
	Asian		Black		Hispanic		White		Free/Reduced-Price Lunch		Full-Price Lunch				
	% Passing (n)	+/- Points Above/Below Middletwn Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletm Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n) [% Change]	+/- Points Above/Below Middletown Average	
Preschool B	38.9% (7)	-28.1	60.0% (21)	-5.0	30.0% (6)	-25.3	61.0% (64)	-18.1	53.0% (44)	-4.3	56.8% (54)	-22.9	1-12 months	54.5% (90) [X]	X
													13-24 months	54.5% (6) [0%]	-11.3
													25-64 months	X	X
Preschool C	X	X	100.0% (5)	+35.0	X	X	87.5% (14)	+8.4	88.9% (8)	+31.6	87.5% (14)	+7.8	1-12 months	X	X
													13-24 months	93.8% (15) [X]	X
													25-64 months	100.0% (6) [+6.2%]	+3.1
Preschool D	X	X	100.0% (6)	+35.0	X	X	93.2% (69)	+14.1	X	X	94.0% (79)	+14.3	1-12 months	88.5% (23) [X]	X
													13-24 months	96.4% (54) [+7.9%]	-3.4
													25-64 months	X	X
Preschool E	X	X	X	X	X	X	100.0% (8)	+20.9	X	X	100.0% (13)	+20.3	1-12 months	X	X
													13-24 months	X	X
													25-64 months	88.9% (8)	X



Preschool	Race								Socioeconomic Status				Time in Preschool		
	Asian		Black		Hispanic		White		Free/Reduced-Price Lunch		Full-Price Lunch				
	% Passing (n)	+/- Points Above/Below Middletwn Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletn Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average		% Passing (n) [% Change]	+/- Points Above/Below Middletown Average
Preschool J	X	X	60.0% (12)	-5.0	X	X	83.3% (45)	+4.2	52.4% (11)	-4.9	83.6% (51)	+3.9	1-12 months	67.6% (23) [X]	X
													13-24 months	82.6% (19) [+15.0%]	+3.7
													25-64 months	80.0% (20) [-2.6%]	-5.7
Preschool K	X	X	84.6% (11)	+19.6	X	X	82.6% (19)	+3.5	100.0% (7)	+42.7	76.7% (23)	-3.0	1-12 months	60.0% (6) [X]	X
													13-24 months	92.0% (23) [+32.0%]	+20.7
													25-64 months	X	X
Preschool L	X	X	X	X	X	X	84.2% (16)	+5.1	X	X	74.1% (20)	-5.6	1-12 months	X	X
													13-24 months	63.5% (5) [X]	X
													25-64 months	78.9% (15) [+15.4%]	+12.3
Preschool M	62.5% (5)	-4.5	81.8% (18)	+16.8	50.0% (6)	-5.3	73.7% (56)	-5.4	56.8% (21)	-0.5	77.5% (69)	-2.2	1-12 months	77.8% (84) [X]	X
													13-24 months	X	X
													25-64 months	X	X

Preschool	Race								Socioeconomic Status				Time in Preschool		
	Asian		Black		Hispanic		White		Free/Reduced-Price Lunch		Full-Price Lunch				
	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n)	+/- Points Above/Below Middletown Average	% Passing (n) [% Change]	+/- Points Above/Below Middletown Average	
Preschool N	X	X	61.1% (11)	-3.9	X	X	63.6% (14)	-15.5	64.0% (16)	+6.7	61.1% (11)	-18.6	1-12 months	57.9% (11) [X]	X
													13-24 months	65.2% (15) [+7.3%]	-4.0
													25-64 months	X	X
Preschool O	X	X	X	X	X	X	X	X	X	X	X	X	1-12 months	X	X
													13-24 months	X	X
													25-64 months	X	X
Preschool P	X	X	X	X	X	X	92.9% (13)	+13.8	X	X	94.4% (17)	+14.7	1-12 months	X	X
													13-24 months	93.3% (14) [X]	X
													25-64 months	X	X
Preschool Q	83.3% (5)	+16.3	X	X	X	X	84.2% (32)	+5.1	85.7% (12)	+28.4	84.8% (28)	+5.1	1-12 months	81.0% (17) [X]	X
													13-24 months	88.5% (23) [+7.5%]	-3.8
													25-64 months	X	X

Preschool	Race								Socioeconomic Status				Time in Preschool		
	Asian		Black		Hispanic		White		Free/Reduced-Lunch		Full-Price Lunch				
	% Passing (n)	+/- Points Above/Blw Middletwn Average	% Passing (n)	+/- Points Above/Blw Middletown Average	% Passing (n)	+/- Points Above/Blw Middletown Average	% Passing (n)	+/- Points Above/Blw Middletown Average	% Passing (n)	+/- Points Above/Blw Middletown Average	% Passing (n)	+/- Points Above/Blw Middletown Average		% Passing (n) [% Change]	+/- Points Above/ Below Middletown Average
Preschool R	X	X	X	X	X	X	75.0% (12)	-4.1	X	X	85.7% (12)	+6.0	1-12 months	77.8% (7) [X]	X
													13-24 months	X	X
													25-64 months	100.0% (5) [X]	X
Preschool S	100.0% (6)	+33.0	82.4% (28)	+17.4	85.7% (6)	+30.4	90.0% (9)	+10.9	81.6% (31)	+24.3	94.7% (18)	+15.0	1-12 months	95.2% (20) [X]	X
													13-24 months	87.5% (21) [-7.7%]	-19.0
													25-64 months	66.7% (8) [-20.8%]	-23.9
Preschool T	X	X	X	X	X	X	82.7% (43)	+3.6	X	X	87.7% (50)	+8.0	1-12 months	71.4% (15) [X]	X
													13-24 months	92.3% (36) [X]	X
													25-64 months	X	X
Family Day Care	X	X	66.7% (8)	+1.7	X	X	86.8% (59)	+7.7	73.3% (11)	+16.0	86.4% (57)	+6.7	1-12	X	X
													13-24 months	X	X
													25-64	X	X
No Preschool	62.5% (5)	-4.5	28.6% (6)	-36.4	X	X	61.0% (50)	-18.1	39.3% (22)	-17.4	61.4% (43)	-18.3	1-12	X	X
													13-24 months	X	X
													25-64	X	X

**Table 22. Comparison of High- and Low-performing Preschool Program Characteristics**

<b>Characteristic</b>	<b>Preschool D</b>	<b>Preschool I</b>	<b>Preschool C</b>	<b>Preschool S</b>	<b>Preschool B</b>	<b>Preschool F</b>	<b>Preschool N</b>	<b>Preschool Average</b>
<b>Highest Director Degree</b>	Associate's	MA	HS	Associate's	MA	BA	BA	MA-BA
<b>Program Type</b>	Non-Profit	Multiple	Private For-Profit	Multiple	Public	Multiple	Multiple	N/A
<b>Director Experience in Years</b>	1.0	8.0	4.0	5.0	5.0	3.0	3.0	5.7
<b>NAEYC Accreditation</b>	no	no	yes	yes	yes	yes	yes	yes
<b>Program Licensed by Dept. of Health</b>	yes	yes	exempt	yes	no	yes	yes	yes
<b>Length of Time in Operation</b>	25.1-30	15.1-20	15.1-20	5.1-10	10.5-15	10.5-15	5.1-10	5.5
<b>Hrs/Day Avg. FT Preschool Students Attend</b>	No Response	No Response	8.0	7.5	N/A	6.0	7.5	7.1
<b>Hrs/Day Avg. PT Preschool Students Attend</b>	No Response	4.0	6.0	N/A	2.5	N/A	N/A	3.2

	D	I	C	S	B	F	N	
<b>Hrs/Week Avg. FT Preschool Students Attend</b>	No Response	15.0	18.0	N/A	12.5	N/A	N/A	14.3
<b>Percent of Preschool Students Considered Full Time</b>	No response	0.0	75.0	100.0	N/A	100.0	18.0	0.7
<b>*Average Staff-to- Student Ratio</b>	6.3	5.64	9.5	8.5	5.0	10.0	10.0	8.0
<b>Annual Expenditure per Child</b>	1800.00	50.00	No Response/ Unsure	7500.00	8727.00	No Response/ Unsure	No Response/ Unsure	6315.90
<b>Full Tuition Full Time</b>	1900.00	Varies	12060.00	7395.00	Varies	Varies	7800.00	7054.50
<b>Full Tuition Part Time</b>	No Response	1965.00	No Response	No Response	No Response	Free	No Response	1965.00
<b>Average Years of Teacher Experience</b>	15.0	8.0	4.0	4.0	7.0	5.0	4.5	8.5
<b>Average Length of Teacher Employment</b>	12.0	10.0	4.0	3.0	5.5	5.5	5.5	6.8

	D	I	C	S	B	F	N	
<b>*Average Teacher Salary per Hour</b>	21.35	18.38	10.00	13.00	No Response	12.00	11.00	14.00
<b>Total Number of Kids (Recode)</b>	41-60	81-100	21-40	41-60	41-60	101-120	1-20	61-80

\*There are significant differences between these schools (high and low performers selected only)  $p = .000$ , for both staff-to-student ratios and hourly teacher salaries.

For many characteristics, too few observations are available to produce result.

When all preschools are compared, a significant result at .05 level is obtained for teacher experience  $p = .000$ .

Preschool I and Preschool D show much higher salaries, and these are the top two performers. The other two in the high performers do not show same degree of difference.

Preschool B shows lowest staff-to-student ratio, but still is lowest performing school (No Preschool is lowest overall).