

## Delaware 2009 Child Care Rate Study

**Table 1. Family Child Care Daily Rates - 75%ile and Confidence Intervals**

							Parametric	Non-Parametric
Region	N	n	Max	Min	75%ile	Std Err	Conf. Int.	Conf. Int.
K, ITP	**	176	37.50	15.00	25.00	0.3955	[ 24.22, 25.78 ]	[ 25.00, 25.00 ]
NC, ITP	**	386	50.00	11.00	30.00	0.2597	[ 29.49, 30.51 ]	[ 30.00, 31.63 ]
S, ITP	**	236	32.00	10.00	25.00	0.5101	[ 24.00, 26.00 ]	[ 24.00, 25.00 ]

**Table 2. Family Child Care Daily Rates Per Age - 75%ile & Confidence Intervals**

								Parametric	Non-Parametric
Region	Type	N	n	Max	Min	75%ile	Std Err	Conf. Int.	Conf. Int.
K&S	INF	**	64	37.50	12.00	25.00	0.7277	[ 23.57, 26.43 ]	[ 25.00, 28.00 ]
K	TOD	**	75	33.75	16.00	25.00	0.6460	[ 23.73, 26.27 ]	[ 24.00, 25.00 ]
K	PS	**	72	33.75	15.00	25.00	0.7068	[ 23.61, 26.39 ]	[ 24.00, 25.00 ]
K	SA	**	39	16.00	5.00	10.00	0.4844	[ 9.05, 10.95 ]	[ 10.00, 12.00 ]
NC	INF	**	83	45.00	11.00	32.00	0.5328	[ 30.96, 33.04 ]	[ 30.40, 32.00 ]
NC	TOD	**	161	50.00	18.00	31.38	0.5006	[ 30.39, 32.36 ]	[ 30.00, 32.00 ]
NC	PS	**	142	41.25	16.00	30.00	0.5880	[ 28.85, 31.15 ]	[ 29.00, 30.00 ]
NC	SA	**	77	50.00	2.00	15.00	0.6785	[ 13.67, 16.33 ]	[ 14.00, 16.00 ]
K&S	INF	**	64	37.50	12.00	25.00	0.7277	[ 23.57, 26.43 ]	[ 25.00, 28.00 ]
S	TOD	**	107	32.00	12.00	25.00	0.7175	[ 23.59, 26.41 ]	[ 24.00, 25.00 ]
S	PS	**	94	30.00	10.00	23.00	0.6917	[ 21.64, 24.36 ]	[ 22.00, 24.50 ]
S	SA	**	63	35.00	4.00	11.25	0.5841	[ 10.11, 12.39 ]	[ 10.00, 13.00 ]

Prices are daily, full time rates except for School age (SA) which is part-day care (less than 4 hours per day).

\*\* Population size treated as unknown.

Tables contain only prices for private paying children (no Purchase of Care prices or Purchase of Care Plus prices).

We recommend use of non-parametric confidence intervals for  $n < 40$ , and the use of the parametric confidence intervals based on standard errors for  $n \geq 40$ .

INF = Infant Family Child Care, TOD = Toddler Family Child Care, PS = Preschool Family Child Care, SA = School age Family Child Care

ITP = Infant, Toddler, and Preschool Child Care.

K&S: Since the 75%ile prices were identical for Kent and Sussex infants, these cells were combined to improve their accuracy (standard error).

n = number of prices, based on the median price per age category from FCC providers.

K = Kent County, NC = New Castle County, S = Sussex County.

## Delaware 2009 Child Care Rate Study

**Table 3. Child Care Centers Daily Rates - 75%ile and Confidence Intervals**

Region	Type	N	n	Max	Min	75%ile	Std Err	Parametric Conf. Int.	Non-Parametric Conf. Int.
K	I	26	20	49.00	22.00	32.00	1.0113	[ 30.02, 33.98 ]	[ 31.00, 41.00 ]
K	T	36	32	49.00	20.00	29.00	0.4016	[ 28.21, 29.79 ]	[ 28.35, 32.00 ]
K	PS	57	32	35.00	19.00	28.00	0.8496	[ 26.33, 29.67 ]	[ 27.00, 30.20 ]
K	SA	46	22	21.00	4.75	14.00	0.7486	[ 12.53, 15.47 ]	[ 13.00, 17.00 ]
NC	I	117	72	72.22	20.00	47.00	0.9801	[ 45.08, 48.92 ]	[ 45.00, 50.00 ]
NC	T	160	84	72.22	24.35	41.00	1.0260	[ 38.99, 43.01 ]	[ 40.00, 43.00 ]
NC	PS	247	96	70.84	15.00	36.11	0.8683	[ 34.41, 37.81 ]	[ 34.67, 39.72 ]
NC	SA	229	61	30.40	7.40	20.95	0.9873	[ 19.01, 22.89 ]	[ 20.00, 22.00 ]
S	I	30	21	37.00	19.00	30.00	0.4793	[ 29.06, 30.94 ]	[ 30.00, 35.00 ]
S	T	38	23	32.00	19.00	28.25	0.8330	[ 26.62, 29.88 ]	[ 28.00, 31.00 ]
S	PS	56	27	30.00	17.00	27.00	1.0342	[ 24.97, 28.03 ]	[ 26.00, 28.00 ]
S	SA	51	20	20.00	8.00	13.00	0.7884	[ 11.45, 14.55 ]	[ 12.00, 15.00 ]

Prices are daily, full time rates except for School age (SA) which is part-day care (less than 4 hours per day).

Tables contain only prices for private paying children (no Purchase of Care prices or Purchase of Care Plus prices).

We recommend use of non-parametric confidence intervals for  $n < 40$ , and the use of the parametric confidence intervals based on standard errors for  $n \geq 40$ .

I = Infant Child Care Centers, T = Toddler Child Care Centers, PS = Preschool Child Care Centers, SA = School age Child Care Centers.

K = Kent County, NC = New Castle County, S = Sussex County.

N = number of providers in the Delaware sampling frame providing this care; n = number of prices obtained from survey respondents.

## Delaware 2009 Child Care Rate Study

**Table 4. Family Child Care, Odd Hour Care - 75<sup>th</sup>ile and Confidence Intervals**

							Parametric	Non-Parametric
Region	N	n	Max	Min	75 <sup>th</sup> ile	Std Err	Conf. Int.	Conf. Int.
K&S	**	21	20.00	2.00	9.50	1.5732	[ 6.42, 12.58 ]	[ 5.00, 13.00 ]
NC	**	5	10.00	4.00	9.00	1.9829	[ 5.11, 12.89 ]	[ 5.00, *** ]

Prices are hourly rates

\*\* Population size treated as unknown.

\*\*\*\* Non-parametric upper bound undefined. 97.5% lower bound is \$5.00/hour.

Table contains only prices for private paying children (no Purchase of Care prices or Purchase of Care Plus prices).

There were insufficient center odd-hour care prices reported to determine a 75<sup>th</sup> percentile, so all observations are for odd-hour care reported by family child care providers.

We recommend use of non-parametric confidence intervals for  $n < 40$ , and the use of the parametric confidence intervals based on standard errors for  $n \geq 40$ .

K = Kent County, NC = New Castle County, S = Sussex County.

n = number of prices obtained from survey respondents.

## Delaware 2009 Child Care Rate Study

**Table 5. Centers, Special Needs Care, and Costs by County**

Cell	Number of Providers Responding To Survey Question	Number of SNC Providers	Are there any additional costs to you in caring for these SNC children?		Average Higher Cost of SNC (Estimated)
			No	Yes	
K, CTR	33	21 (64%)	18 (86%)	3 (14%)	12%
NC, CTR	101	63 (62%)	53 (84%)	10 (16%)	26%
S, CTR	30	17 (57%)	11 (69%)	5 (31%)	18%
Total, CTR	164	101 (62%)	83 (82%)	18 (18%)	21%

**Table 6. Family Child Care, Special Needs Care, and Costs by County**

Cell	Number of Providers Responding to Survey Question	Number of SNC Providers	Are there any additional costs to you in caring for these SNC children?		Average Higher Cost of SNC (Estimated)
			No	Yes	
K, FCC	107	8 (7%)	8 (100%)	0 (0%)	0%
NC, FCC	209	26 (12%)	22 (85%)	4 (15%)	10%
S, FCC	148	13 (9%)	13 (100%)	0 (0%)	0%
Total, FCC	464	47 (10%)	43 (91%)	4 (9%)	10%

K = Kent County, NC = New Castle County, S = Sussex County.  
 FCC = Family Child Care, CTR = Child Care Centers.

SNC = special needs care;

Special Needs Care (SNC) providers = Answered "yes" to serving children with special needs. Note: Some providers did not respond to the special needs questions.

Note: A small number of providers did not respond to the question "are there any additional costs to you in caring for these SNC children." Therefore, the sum of respondents answering "Yes" or "No" may not equal the entry in the "Number of SNC Providers" column in the tables.

Average Higher Cost of SNC (Estimated) = providers who reported serving children with special needs and who reported that it did cost their program more to serve these children, then estimated their percentage of a higher cost for serving these children.

## Delaware 2009 Child Care Rate Study

**Table 7. Special Needs Care - 75%ile and Confidence Intervals**

Cell	Type	N	n	Max	Min	75%ile	Std Err	Parametric	Non-Parametric
								Conf. Int.	Conf. Int.
K, ITP, SNC	CTR	**	56	49.00	20.00	31.40	1.2312	[ 28.99, 33.81 ]	[ 30.00, 33.20 ]
K, ITP, RC	CTR	**	28	32.00	19.00	27.00	1.1315	[ 24.78, 29.22 ]	[ 27.00, 30.00 ]
NC, ITP, SNC	CTR	**	162	71.02	15.00	42.66	1.1566	[ 40.40, 44.93 ]	[ 40.00, 44.00 ]
NC, ITP, RC	CTR	**	87	72.22	23.00	41.25	1.4948	[ 38.32, 44.18 ]	[ 38.00, 45.00 ]
S, ITP, SNC	CTR	**	35	36.00	19.00	29.85	1.3741	[ 27.16, 32.45 ]	[ 28.00, 31.00 ]
S, ITP, RC	CTR	**	36	37.00	17.00	29.00	1.1928	[ 26.66, 31.34 ]	[ 28.00, 30.00 ]
K&S, SA, SNC	CTR	**	29	21.00	4.75	14.00	0.9604	[ 12.12, 15.88 ]	[ 12.00, 17.00 ]
K&S, SA, RC	CTR	**	13	20.00	9.00	13.00	1.1471	[ 10.75, 15.25 ]	[ 12.00, 17.00 ]
NC, SA, SNC	CTR	**	38	28.68	11.00	20.80	1.2897	[ 18.27, 23.32 ]	[ 18.00, 22.00 ]
NC, SA, RC	CTR	**	22	30.40	7.40	21.00	1.8095	[ 17.45, 24.55 ]	[ 18.00, 25.00 ]
K, ITP, SNC	FCC	**	10	26.00	19.00	24.50	1.9275	[ 20.72, 28.28 ]	[ 20.00, *** ]
K, ITP, RC	FCC	**	166	37.50	15.00	25.00	0.4088	[ 24.20, 25.80 ]	[ 24.50, 25.00 ]
NC, ITP, SNC	FCC	**	50	40.00	18.00	30.63	0.8102	[ 29.04, 32.21 ]	[ 30.00, 33.00 ]
NC, ITP, RC	FCC	**	336	50.00	11.00	30.00	0.2830	[ 29.45, 30.55 ]	[ 30.00, 31.63 ]
S, ITP, SNC	FCC	**	22	26.00	16.00	24.00	1.4137	[ 21.23, 26.77 ]	[ 21.00, 25.00 ]
S, ITP, RC	FCC	**	214	32.00	10.00	25.00	0.5546	[ 23.91, 26.09 ]	[ 24.00, 25.00 ]
K&S, SA, SNC	FCC	**	11	11.00	5.00	9.25	0.6863	[ 7.91, 10.59 ]	[ 8.00, *** ]
K&S, SA, RC	FCC	**	91	35.00	4.00	11.25	0.4341	[ 10.40, 12.10 ]	[ 10.00, 13.00 ]
NC, SA, SNC	FCC	**	9	30.00	7.50	18.00	4.1510	[ 9.86, 26.14 ]	[ 15.00, *** ]
NC, SA, RC	FCC	**	68	50.00	2.00	15.00	0.7185	[ 13.59, 16.41 ]	[ 13.00, 15.00 ]

\*\* Population size treated as unknown.

\*\*\*\* Non-parametric upper bound undefined. 97.5% lower bound provided.

Prices are daily, full time rates except for School age (SA) which is part day care (less than 4 hours per day). Tables contain only prices for private paying children (no Purchase of Care prices or Purchase of Care Plus prices).

K = Kent County, NC = New Castle County, S = Sussex County, SNC = Special Needs Care, RC = Regular Care, FCC = Family Child Care, CTR = Child Care Centers. ITP = Infants, Toddlers, and Preschool Child Care; SA = School Age Child Care.

Special Needs Care (SNC) program = Answered "yes" to serving children with special needs. Regular Care (RC) program = Answered "no" to serving children with special needs.

We recommend use of non-parametric confidence intervals for  $n < 40$ , and the use of the parametric confidence intervals based on standard errors for  $n \geq 40$ .

Note: A small numbers providers did not respond to the special needs questions. Therefore, the county-wide totals here may not equal the county-wide totals reported elsewhere in this report.

## Delaware 2009 Child Care Rate Study

**Table 8. Special Needs Care Differentials and Conversion Factors**

Cell Definition	SNC Differential	SNC Conversion Factor *	Statistically Significant? ***
K, ITP, CTR	4.40	1.1630	Y
NC, ITP, CTR	1.41	1.0342	N
S, ITP, CTR	0.85	1.0293	N
K&S, SA, CTR	1.00	1.0769	N
NC, SA, CTR	-0.20	0.9905	N
K, ITP, FCC	-0.50	0.9800	N
NC, ITP, FCC	0.63	1.0210	N
S, ITP, FCC	-1.00	0.9600	N
K&S, SA, FCC	-2.00	0.8222	N
NC, SA, FCC	3.00	1.2000	N

\* SNC differential is SNC price minus RC price. SNC conversion is SNC price divided by RC price. To convert RC prices to SNC prices, multiply RC price by the conversion factor. For example, if the RC 75%ile price in K, ITP Center care is \$27.00, then the SNC price is  $\$27.00 \times 1.1630 = \$31.40$ .

\*\*\* Asymptotically normal test statistics (95% level) indicate that the SNC differential was always insignificant except for center infant-toddler-preschool care in Kent county.

K = Kent County, NC = New Castle County, S = Sussex County, SNC = Special Needs Care, RC = Regular Care, FCC = Family Child Care, CTR = Child Care Centers. ITP = Infants, Toddlers, and Preschool Child Care; SA = School Age Child Care

Special Needs Care program = Answered "yes" to serving children with special needs.

Regular Care program = Answered "no" to serving children with special needs.

Note: Some providers did not respond to the special needs questions.

## Delaware 2009 Child Care Rate Study

**Table 9. Family Child Care - Per Provider and Weighted 75%ile Prices**

Region	Type	Per Provider	Weighted*
		75%ile	75%ile
K&S	I	25.00	25.00
K	T	25.00	25.00
K	PS	25.00	25.00
K	SA	10.00	10.75
NC	I	32.00	32.00
NC	T	31.38	32.00
NC	PS	30.00	30.00
NC	SA	15.00	15.00
K&S	I	25.00	25.00
S	T	25.00	25.00
S	PS	23.00	23.00
S	SA	11.25	11.75

**Table 10. Child Care Centers - Per Provider and Weighted 75%ile Prices**

Region	Type	Per Provider	Weighted*
		75%ile	75%ile
K	I	32.00	36.00
K	T	29.00	33.00
K	PS	28.00	30.40
K	SA	14.00	13.00
NC	I	47.00	51.00
NC	T	41.00	46.00
NC	PS	36.11	39.91
NC	SA	20.95	20.80
S	I	30.00	35.35
S	T	28.25	31.00
S	PS	27.00	28.00
S	SA	13.00	13.00

\* Weighted by the number of private-paying children in the cell

Infant, toddler and preschool-age prices are for full-time care, for 30 hours or more per week. School-age are prices for part-day care, for less than 4 hours per day.

K&S = Kent and Sussex cells combined.