

# 2018 Idaho Child Care Market Rate Analysis

Prepared by the Idaho Department of Health and Welfare

DEPARTMENT OF HEALTH AND WELFARE

July 10, 2018

Authored by: Information Management Unit

# Table of Contents

<b>Executive Summary.....</b>	<b>iii</b>
<b>1. Background and Objectives.....</b>	<b>1</b>
<b>2. Data Summary.....</b>	<b>2</b>
2.1 Data Source .....	2
2.2 Data Selection and Transfer .....	3
2.3 Data Processing .....	3
2.4 Data Summary.....	5
<b>3. Market Structure Analysis.....</b>	<b>6</b>
3.1 Age and Usage.....	6
3.2 Geographic Regions.....	7
3.3 Type of Care.....	11
<b>4. Estimated Rate Distributions and Percentiles.....</b>	<b>11</b>

## Executive Summary

The 2018 Idaho Child Care Market Rate Analysis was performed by the Idaho Department of Health and Welfare using cluster analysis. The goal of the analysis is to characterize the unsubsidized (i.e., private pay) market rates for child care throughout the state of Idaho.

The market rate data were obtained from IdahoSTARS, the agency responsible for the state's Child Care Resource and Referral System. Provider data are maintained by IdahoSTARS using NACCRRAware database software that generates child care referrals and reports and manages provider, client, and community data. Provider data were downloaded via text files and uploaded into Excel spreadsheets. The providers included in the analysis were required to be active and located in the state of Idaho, and the type of care provided was limited to child care centers, group care, and family care.

In addition to basic information about the provider, the downloaded data included capacity and both full-time and part-time rates for five age groups: 0 – 12 months, 13 – 30 months, 31 – 60 months, 5 – 6 years, and 6 – 12 years. Providers were able to supply their rates in one or more of four modes: monthly, weekly, daily, and hourly rates. In order to perform the market rate analysis on consistent rate data, all rates (full- and part-time) were converted to monthly rate equivalents using standard conversion factors.

To evaluate the market structure, county was selected as the unit that best allowed differentiation between units with a minimum of units missing information. Following methodology used by several other states in their market rate analyses, principal components analysis and cluster analysis were performed to divide counties into groups so that the counties within a group had similar rate structures while counties in different groups had differing rate structures. These analyses resulted in identifying three groups of counties. The provider types were divided into two groups for the market rate analysis: Child Care Centers and Group or Family Care.

We determined there is great variability between providers about the determination of part-time rates. Part-time definitions ranged from one, two or three days per week to 5 days per week under a set number of hours. For this study, the team decided to use full-time rates for analysis. Part-time rates were set as a ratio of full-time rates.

The market rate analysis consisted of calculating 50<sup>th</sup>, 55<sup>th</sup>, 60<sup>th</sup>, 65<sup>th</sup>, 70<sup>th</sup>, 75<sup>th</sup>, 80<sup>th</sup>, 85<sup>th</sup>, 90<sup>th</sup>, 95<sup>th</sup> and 100<sup>th</sup> percentiles for the unsubsidized rate distributions for each provider type, each county group, each age, and full-time enrollment status. In each case, the percentiles were calculated using gamma approximations to the distributions of the rates. Part-time rates were set at 60% of full-time rates. Tables reporting these percentiles can be found in Section 4 of this report, starting on page 11.

# 1. Background and Objectives

The Idaho Department of Health and Welfare (DHW) offers programs that deal with complex social, economic and individual issues, often helping people in crisis situations. All of these programs are designed to strengthen families and promote self-reliance. Some of these programs address the needs of children and families. The Idaho Child Care Program (ICCP) provides child care assistance to low-income, working families by paying for a portion of child care and is funded through the federal Child Care Development Fund (CCDF). This program is for parents who work, attend school, or participate in approved activities to lead families to employment. The program pays for part of the child care costs for eligible households, and parents also pay for a portion based on the size of the family and the amount of their income. DHW also licenses child care providers and is working with community partners on a professional development and quality improvement system to improve the quality of child care services in Idaho.

Federal regulations (45 CFR 98.43) require that the child care assistance rate ceilings be based on the rates that child care providers charge parents who are not receiving assistance. The goal is to set assistance rates high enough to ensure access to child care for low-income families but low enough that prices are not inflated and the costs to taxpayers are not excessive. This Federal rule also requires that states conduct child care market rate analyses every three years as part of their program to ensure access to child care for low-income families.

This report presents the results of the 2018 Child Care Market Rate Analysis conducted by DHW. The primary goal of this analysis is to develop reasonable estimates of the distribution of rates that Idaho child care providers charge the general public. These rates are known to vary by the age of the child, the amount of time the child is being cared for, and the geographic location of the provider within the state. The 2018 market rate analysis was conducted between January and May of 2018.

The 2018 Idaho Child Care Market Rate Analysis was performed by the Idaho Department of Health and Welfare. The techniques included analyses to compare and combine different types of providers into a smaller number of categories and analyses to group providers with similar rate structures together to provide a better estimate of the child care market rate distribution.

This report is divided into four main sections. Section 2 describes the child care rate data that were used in the analysis. This section includes an overview of the data source, a summary of the total population of providers whose data were used in the analysis, a review of the methods that were used to select the appropriate data and transform them into their final form that was used in the market rate analysis, and a preliminary summary analysis of the data. Section 3 describes the statistical methods that were used to analyze the market structure and place providers into groups based on type of service and on geographic location. The methods employed include principal components analysis and cluster analysis. Finally, Section 4 reports the market rate distributions

and associated percentiles and a description of the statistical techniques that were employed to estimate the percentiles of the rate distributions within the child care service categories.

## **2. Data Summary**

### **2.1 Data Source**

In Idaho, there is a single agency responsible for the state's Child Care Resource and Referral System, IdahoSTARS. This agency, which operates under contract with the DHW, consists of the Center on Disabilities and Human Development (CDHD) at the University of Idaho and the Idaho Association for the Education of Young Children (AEYC). One of their responsibilities under the contract with DHW is to maintain a database of child care provider information. This database uses the National Association of Child Care Resource and Referral Agencies' suite of data services, particularly *NACCRRAware*, database software that generates child care referrals and reports and manages provider, client, and community data.

There are several categories of data included in *NACCRRAware*:

- General information, such as identification number, owner name, business name, type of care, status, entry date, status date, and phone numbers;
- Location data, such as address, city, state, zip, county, latitude, and longitude;
- License information, such as regulation status, EIN/SSN, and expiration dates;
- General capacity information, such as total licensed capacity, total vacancies, accepted age ranges, and number of shifts;
- Other information, such as school district, school catchment, additional funding sources, memberships, transportation, languages, registration, and program focus;
- Shift information, such as days and time of operation and hours;
- Rate information for ten categories (ten time periods, with full-time and part-time rates for each); and
- Additional fees information

The shift and population information includes five age groups: 0 – 12 months, 13 – 30 months, 31 – 60 months, 5 – 6 years, and 6 – 12 years.

## **2.2 Data Selection and Transfer**

In order to perform the market rate analysis, the following data were required for each provider:

- geographic location information (county);
- type of care provided;
- child care rates (full-time) for each age group

Data can be downloaded from NACCRAware by requesting data reports that contain data fields of interest for sub-populations of interest. These reports are created as text files that can be downloaded to the user's computer.

The provider data required for the market rate analysis were downloaded into three Excel files these included basic provider information and full-time rates. Each file included the provider ID and Unique Provider ID so that the data could be matched across files.

There were three criteria for inclusion of providers in the market rate analysis:

- the provider must be currently operating (*i.e.*, status = "Active");
- the providers must be located in the state of Idaho (providers that were included in the database from Washington, Oregon, and Utah were excluded);
- the type of care provided must be in one of three categories: group, family, and center.

Providers with rates that were extremely low or high were contacted to verify the information. In most cases, the rates were incorrect due to keying mistakes such as hourly rates placed in daily rates or weekly rates placed in hourly rates. The corrected rates were used in the analysis.

A total of 1,155 providers in the database met all three criteria.

## **2.3 Data Processing**

The NACCRAware database allows for child care pricing to be entered in up to ten modes, depending upon how the child care provider sets its prices. The modes are hourly, daily, weekly, monthly, and other. Providers are encouraged to enter data for all of the modes they use. For example, one provider may have both a daily rate and a monthly rate that their customers can pay.

Because there are multiple modes, and the providers are encouraged to use the modes that best suit them, child care rates are not standard among all providers. To provide an estimate of the market rate across the entire industry, one must either perform separate rate analyses by pricing mode or convert the pricing data to one consistent mode. In the interest of assessing the market rates for the entire population of providers at one time, the latter option was chosen.

Based on information from the database, the two most common modes for full-time rates are daily and monthly. To provide a single analysis for the entire industry, and to be consistent with Department of Health and Welfare's (DHW) current policy to pay providers on a monthly basis, the monthly rate was chosen to be the basis for the market rate analysis. For converting the rates, the preference was to use monthly rates, followed in order by weekly rates, daily rates, and hourly rates.

The multiplicative factors used to convert non-monthly rates to monthly rates were:

- 4.28 weeks per month;
- 21.4 days per month (5 days per week  $\times$  4.28 weeks per month);
- 171.2 hours per month (40 hours per week  $\times$  4.28 weeks per month).

## **2.4 Data Summary**

The final provider data were examined in terms of their geographic distribution across Idaho. The number of providers in each of the three type-of-care categories was tabulated by county.

**Table 1. Number of Providers by Type and County**

County	Type Of Care			
	Group	Center	Family	Total
ADA	68	185	90	343
ADAMS	0	1	0	1
BANNOCK	25	25	1	51
BEAR LAKE	0	4	0	4
BENEWAH	0	4	0	4
BINGHAM	10	12	1	23
BLAINE	9	13	2	24
BOISE	1	0	0	1
BONNER	5	23	2	30
BONNEVILLE	31	51	3	85
BOUNDARY	1	3	2	6
BUTTE	0	0	0	0
CAMAS	0	0	0	0
CANYON	67	66	29	162
CARIBOU	0	3	0	3
CASSIA	3	6	4	13
CLARK	0	0	0	0
CLEARWATER	1	4	0	5
CUSTER	0	1	0	1
ELMORE	2	14	5	21
FRANKLIN	3	1	0	4
FREMONT	5	0	0	5
GEM	1	5	0	6
GOODING	1	4	0	5
IDAHO	1	11	0	12
JEFFERSON	3	7	1	11
JEROME	4	7	1	12
KOOTENAI	27	82	14	123
LATAH	1	19	0	20
LEMHI	2	2	0	4
LEWIS	1	1	0	2
LINCOLN	1	1	0	2
MADISON	2	8	0	10
MINIDOKA	6	7	0	13
NEZ PERCE	5	15	10	30
ONEIDA	0	2	0	2
OWYHEE	2	2	1	5
PAYETTE	8	8	2	18
POWER	2	4	0	6
SHOSHONE	1	4	1	6
TETON	2	5	0	7
TWIN FALLS	10	37	12	59
VALLEY	2	7	0	9
WASHINGTON	4	3	0	7
Grand Total	317	657	181	1,155



**Table 2. Summary of Approximate Monthly Full-Time Child Care Rates**

<b>Age Category</b>	<b>Number of Providers</b>	<b>Minimum Rate (\$)</b>	<b>Maximum Rate (\$)</b>	<b>Median Rate (\$)</b>	<b>Mean Rate (\$)</b>
0 – 12 months	777	268.7	1,177.0	535.0	568.9
13 – 30 months	870	198.0	1,540.8	514.3	543.4
31 – 60 months	988	160.5	1,455.2	473.0	506.9
5 – 6 years	894	100.0	1,369.6	440.0	467.6
6 – 12 years	800	100.0	1,396.6	406.6	424.7

### **3. Market Structure Analysis**

The goal of the market rate analysis is to characterize the distribution of child care market rates across the state of Idaho. It is known that the market rates differ in important ways based on several factors. Providers tend to charge different rates based on the number of hours of care per month, the age of the child, the type of care, and the geographic location of the provider. Some areas have higher overall rate structures than other areas due to differences in population density and differences in economic conditions. These four factors (provider type, age category, usage category, and geographic location) have been used to rationally divide the rates into meaningfully interpretable groups.

The three sections that follow present the approach that was taken to define the market rate structure using the four factors. These sections address age and usage categories, geographic regions, and provider type.

#### **3.1 Age and Usage**

With respect to age, children are divided into five categories in the IdahoSTARS database: 0 – 12 months, 13 through 30 months, 31 through 60 months, 5 through 6 years, and 6 through 12 years. These categories do not exactly align with the age groups used in provider licensing, and it is not possible to do any modifications to the age categories other than to combine the categories available in the Idaho STARS database. Within each of the age categories, rates are collected by IdahoSTARS for two “usage” categories: full-time and part-time. Because of the extreme variability in providers definitions of part-time rates, Idaho looked at full-time rates for this survey. The market rate structure analysis incorporated these five categories and the market rate analysis provided percentiles for each of these five categories.

## **3.2 Geographic Regions**

Conceptually, the provider grouping strategy can range from making each provider its own group (requiring 1,155 groups) to simply combining all providers together into one large group and using a single set of state-wide rates. Using a single state-wide rate would not allow DHW to account for differences in rates due to geographic location, while using separate rates for each provider would be overly complex and would not account for similarities in rates within geographic regions. A reasonable compromise between these two approaches was to first combine providers into units based on geographic location, and then combine the geographic units into groups so that the rate structures are similar within each group but different across the groups.

The process of determining a set of geographic regions for the market rate analysis requires four steps. The first step is to select the initial geographic units to use in the market rate structure analysis; the second step is to reduce the provider-level data to unit-level data; the third step is to determine the best measurements to use to compare and combine the units; and the final step is to determine the best number of groups and to assign the geographic regions to the appropriate group. The four sections that follow describe the methods and results for each of these four steps in defining the geographic regions for the market rate analysis.

### **3.2.1 Selection of Geographic Units**

The goal of the selection of the initial geographic units is to minimize the number of units where there are too few data but to maximize the number of units available to allow for sufficient detail. This goal resulted in the selection of counties as the geographic unit.

There are 44 counties in Idaho. As shown in Table 3, the 1,155 providers in the final analysis database are located in 41 of the counties. There are no providers in Butte, Camas and Clark Counties. The three counties with no providers has been assigned to a group based on county demographics and the group assignments of neighboring counties. The specific assignments for the counties are discussed in Section 3.2.4.

### **3.2.2 Calculating Representative County Rates**

The second step in the clustering process is calculating the representative rates within counties for each of the five age categories. In Section 2, the rates were all standardized to monthly rate equivalents. For each of the five age categories, arithmetic average rates were calculated over all providers in the county. In calculating the county-wide averages, all available provider rates for each category, regardless of the number of categories for which a provider had rates, were used.

### **3.2.3 Selecting Measurements for County Grouping**

Principal components analysis (PCA) is one method that can be used to reduce a large number of correlated measurements to a smaller number of statistically independent measurements that account for the majority of the variation observed in the original data while still having a direct

interpretation within the context of the application. The specific objective of PCA is to determine linear combinations of the five measurements that explain a large proportion of the variability among all the values. PCA determines appropriate “factor loadings” (multipliers for each measurement) and the associated proportion of variability explained by the factor. Ideally, a large proportion of variability between the units’ measurements are explained by a small number of principal components, and these principal components have factor loadings with meaningful interpretations.

For the Idaho child care market analysis, the PCA was conducted using the county-wide averages for the five age categories in each of 41 counties. Tables 3 and 4 show the results of the PCA. Table 3 contains the principal component value (eigenvalue) and information about the proportion of variability explained by each PC. Table 3 shows that the first PC explains 94% of the variability in the five rates, and the first two PCs explain 98% of the variability. The proportions of explained variability for the remaining PCs are small compared to the first two PCs, which indicates that it is reasonable to reduce the five rate measurements to two PCs for the grouping analysis that follows. Table 4 contains the factor loadings for each of the five PCs.

**Table 3. Eigenvalues and Proportions of Variability Explained for PCA by County**

<b>PC</b>	<b>Eigenvalue</b>	<b>Proportion</b>	<b>Cumulative</b>
<b>1</b>	4.709713	0.941943	0.941943
<b>2</b>	0.206005	0.041201	0.983144
<b>3</b>	0.052630	0.010526	0.993670
<b>4</b>	0.012092	0.002418	0.996088
<b>5</b>	0.019560	0.003912	1

**Table 4. Factor Loadings for Each PC by County**

<b>Measurement</b>	<b>PC1</b>	<b>PC2</b>	<b>PC3</b>	<b>PC4</b>	<b>PC5</b>
Full-time 0 - 12 mo	0.434156	0.675232	-0.58814	-0.08903	0.041667
Full-time 13 - 30 mo	0.453495	0.228081	0.487361	0.474096	-0.52918
Full-time 31 - 60 mo	0.456285	0.020897	0.483901	-0.71866	0.201843
Full-time 5 - 6 yr	0.454387	-0.27187	0.000614	0.477862	0.700904
Full-time 6 - 12 yr	0.43725	-0.64629	-0.4271	-0.14996	-0.43154

### 3.2.4 County Grouping Results

The statistical analysis method that is most useful for partitioning a set of units into groups is cluster analysis. In cluster analysis, the partitioning is based on a set of measurements taken for each unit and is done in such a way that differences in the measurements within each group are small compared to the differences in the measurements between the groups. The optimal number of groups is determined by finding a number of clusters where the proportion of the variability between all units that can be attributed to differences between the groups is large but drops considerably when there are a larger number of clusters.

Cluster analysis partitioned the counties into groups such that the measurements are similar within a cluster and different between clusters. Idaho chose Tableau Software to discover the appropriate clusters. Tableau used the k-means algorithm for clustering. For a given number of clusters k, the algorithm partitions the data into k clusters. Each cluster had a center (centroid) that was the mean value of all the points in that cluster. K-means located centers through an iterative procedure that minimized distances between individual points in a cluster and the cluster center. In Tableau, you can specify a desired number of clusters or have Tableau test different values of k and suggest an optimal number of clusters. The optimal number of clusters was 3.

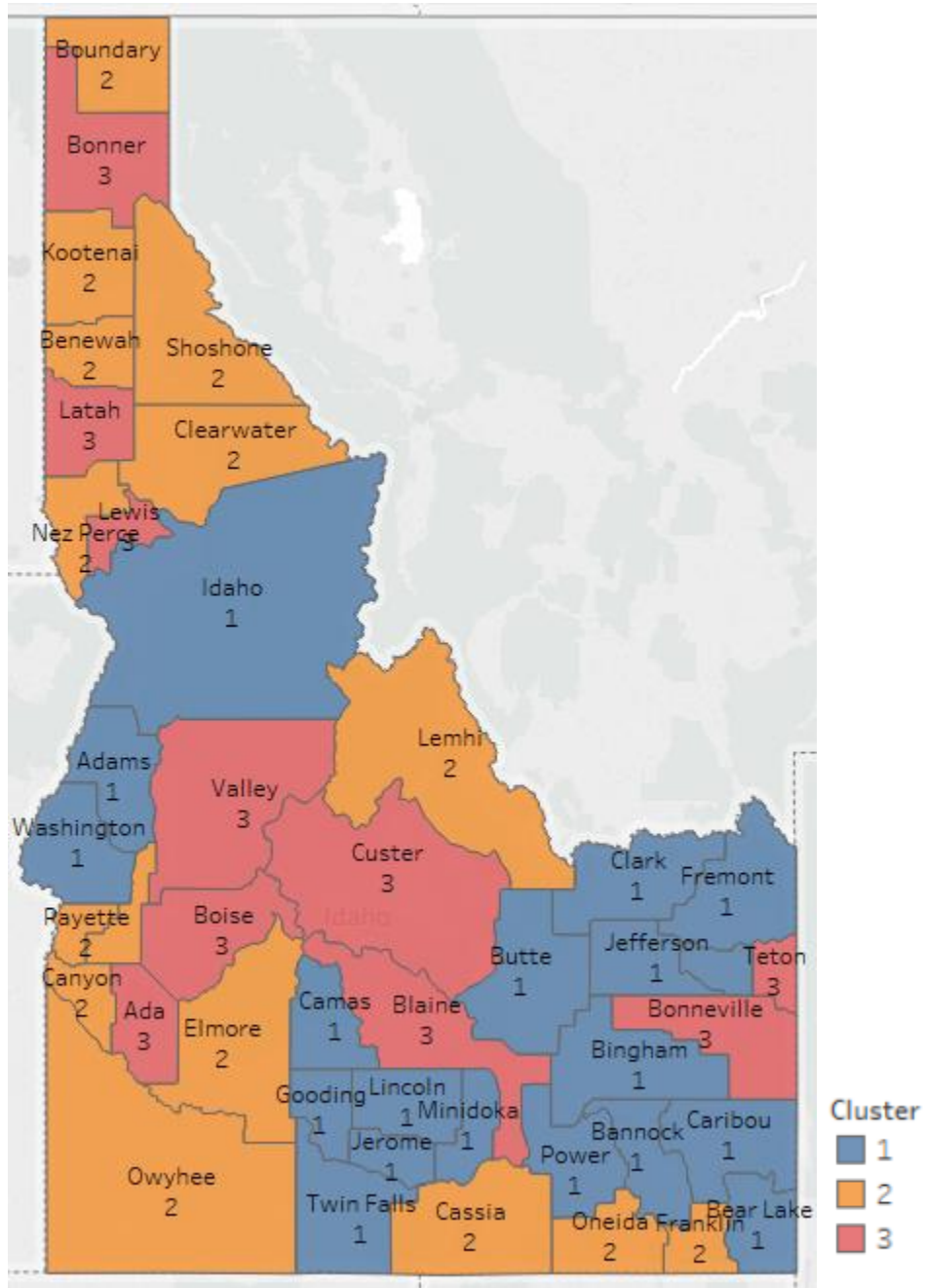
Cluster 1, which generally has the lowest child care rates, includes 19 counties; Cluster 2, which generally has intermediate rates, includes 18 counties; and Cluster 3, which generally has the highest rates, includes 7 counties.

**Table 5: Cluster Assignments for Counties**

County	Cluster	County	Cluster	County	Cluster	County	Cluster
Ada	3	Butte <sup>a</sup>	1	Gem	2	Minidoka	1
Adams	1	Camas <sup>a</sup>	1	Gooding	1	Nez Perce	2
Bannock	1	Canyon	2	Idaho	1	Oneida	2
Bear Lake	1	Caribou	1	Jefferson	1	Owyhee	2
Benewah	2	Cassia	2	Jerome	1	Payette	2
Bingham	1	Clark <sup>a</sup>	1	Kootenai	2	Power	1
Blaine	3	Clearwater	2	Latah	3	Shoshone	2
Boise	3	Custer	3	Lemhi	2	Teton	3
Bonner	3	Elmore	2	Lewis	3	Twin Falls	1
Bonneville	3	Franklin	2	Lincoln	1	Valley	3
Boundary	2	Fremont	1	Madison	1	Washington	1

- a. County assignment based on assignment of neighboring counties

Figure 1. Plot of County Clusters



### 3.3 Type of Care

As noted in Section 2, the market rate analysis was restricted to three types of care: child care centers, group care, and family care. The decision was made to combine family and group care together for the market rate analysis with child care centers in a separate market rate analysis.

### 4. Estimated Rate Distributions and Percentiles

Once the counties were grouped into three clusters, percentiles of the distributions of market rates were calculated.

For each combination of provider type, cluster, age group, and usage, all appropriate rates were identified from all appropriate providers.

**Table 6. 50<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$470.80	\$575.00	\$749.00	\$428.00	\$500.00	\$600.00
	Part-time	\$282.48	\$345.00	\$449.40	\$256.80	\$300.00	\$360.00
12 – 30 mo.	Full-time	\$449.40	\$529.33	\$684.00	\$400.00	\$470.40	\$567.00
	Part-time	\$269.64	\$317.60	\$410.40	\$240.00	\$282.24	\$340.20
30 – 60 mo.	Full-time	\$419.44	\$480.00	\$612.50	\$387.60	\$428.00	\$535.00
	Part-time	\$251.66	\$288.00	\$367.50	\$232.56	\$256.80	\$321.00
5 – 6 yr.	Full-time	\$390.00	\$449.40	\$538.00	\$385.20	\$428.00	\$506.00
	Part-time	\$234.00	\$269.64	\$322.80	\$231.12	\$256.80	\$303.60
6 – 12 yr.	Full-time	\$385.20	\$400.00	\$405.80	\$385.20	\$420.00	\$488.00
	Part-time	\$231.12	\$240.00	\$243.48	\$231.12	\$252.00	\$292.80

**Table 7. 55<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$470.80	\$580.00	\$750.25	\$428.60	\$500.00	\$606.50
	Part-time	\$282.48	\$348.00	\$450.15	\$257.16	\$300.00	\$363.90
12 – 30 mo.	Full-time	\$450.00	\$535.00	\$699.14	\$418.10	\$476.70	\$588.00
	Part-time	\$270.00	\$321.00	\$419.48	\$250.86	\$286.02	\$352.80
30 – 60 mo.	Full-time	\$425.00	\$491.54	\$625.75	\$400.00	\$430.00	\$550.00
	Part-time	\$255.00	\$294.92	\$375.45	\$240.00	\$258.00	\$330.00
5 – 6 yr.	Full-time	\$396.97	\$450.00	\$545.00	\$400.00	\$428.00	\$506.00
	Part-time	\$238.18	\$270.00	\$327.00	\$240.00	\$256.80	\$303.60
6 – 12 yr.	Full-time	\$385.20	\$406.60	\$428.00	\$385.20	\$428.00	\$488.00
	Part-time	\$231.12	\$243.96	\$256.80	\$231.12	\$256.80	\$292.80

**Table 8. 60<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$480.00	\$585.80	\$770.00	\$449.76	\$513.60	\$618.00
	Part-time	\$288.00	\$351.48	\$462.00	\$269.86	\$308.16	\$370.80
12 – 30 mo.	Full-time	\$457.88	\$543.20	\$715.00	\$428.00	\$500.00	\$588.00
	Part-time	\$274.73	\$325.92	\$429.00	\$256.80	\$300.00	\$352.80
30 – 60 mo.	Full-time	\$428.00	\$498.80	\$642.00	\$400.00	\$442.00	\$555.00
	Part-time	\$256.80	\$299.28	\$385.20	\$240.00	\$265.20	\$333.00
5 – 6 yr.	Full-time	\$400.00	\$457.00	\$556.40	\$400.00	\$428.00	\$506.00
	Part-time	\$240.00	\$274.20	\$333.84	\$240.00	\$256.80	\$303.60
6 – 12 yr.	Full-time	\$389.88	\$426.80	\$440.00	\$389.04	\$428.00	\$488.00
	Part-time	\$233.93	\$256.08	\$264.00	\$233.42	\$256.80	\$292.80

**Table 9. 65<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$500.00	\$599.20	\$790.00	\$450.00	\$525.00	\$618.00
	Part-time	\$300.00	\$359.52	\$474.00	\$270.00	\$315.00	\$370.80
12 – 30 mo.	Full-time	\$470.80	\$550.00	\$725.26	\$428.00	\$500.00	\$588.00
	Part-time	\$282.48	\$330.00	\$435.16	\$256.80	\$300.00	\$352.80
30 – 60 mo.	Full-time	\$429.20	\$500.40	\$650.00	\$422.00	\$450.00	\$555.00
	Part-time	\$257.52	\$300.24	\$390.00	\$253.20	\$270.00	\$333.00
5 – 6 yr.	Full-time	\$400.00	\$470.80	\$577.80	\$411.35	\$430.00	\$506.00
	Part-time	\$240.00	\$282.48	\$346.68	\$246.81	\$258.00	\$303.60
6 – 12 yr.	Full-time	\$395.00	\$428.00	\$470.80	\$400.00	\$428.00	\$488.00
	Part-time	\$237.00	\$256.80	\$282.48	\$240.00	\$256.80	\$292.80

**Table 10. 70<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$501.45	\$600.00	\$813.88	\$450.00	\$535.00	\$618.26
	Part-time	\$300.87	\$360.00	\$488.33	\$270.00	\$321.00	\$370.96
12 – 30 mo.	Full-time	\$480.00	\$557.20	\$758.00	\$442.00	\$513.60	\$599.28
	Part-time	\$288.00	\$334.32	\$454.80	\$265.20	\$308.16	\$359.57
30 – 60 mo.	Full-time	\$445.10	\$519.20	\$669.08	\$428.00	\$470.80	\$555.00
	Part-time	\$267.06	\$311.52	\$401.45	\$256.80	\$282.48	\$333.00
5 – 6 yr.	Full-time	\$417.00	\$490.00	\$598.96	\$425.30	\$440.00	\$535.00
	Part-time	\$250.20	\$294.00	\$359.38	\$255.18	\$264.00	\$321.00
6 – 12 yr.	Full-time	\$400.00	\$449.40	\$498.19	\$410.00	\$430.00	\$500.00
	Part-time	\$240.00	\$269.64	\$298.92	\$246.00	\$258.00	\$300.00

**Table 11. 75<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$524.83	\$615.00	\$839.75	\$470.85	\$535.00	\$642.00
	Part-time	\$314.90	\$369.00	\$503.85	\$282.51	\$321.00	\$385.20
12 – 30 mo.	Full-time	\$492.20	\$571.25	\$782.17	\$450.00	\$532.00	\$620.15
	Part-time	\$295.32	\$342.75	\$469.30	\$270.00	\$319.20	\$372.09
30 – 60 mo.	Full-time	\$450.00	\$535.00	\$700.00	\$428.00	\$482.38	\$567.50
	Part-time	\$270.00	\$321.00	\$420.00	\$256.80	\$289.43	\$340.50
5 – 6 yr.	Full-time	\$426.50	\$499.75	\$620.60	\$428.00	\$450.00	\$535.00
	Part-time	\$255.90	\$299.85	\$372.36	\$256.80	\$270.00	\$321.00
6 – 12 yr.	Full-time	\$400.00	\$468.66	\$543.57	\$425.00	\$440.00	\$524.30
	Part-time	\$240.00	\$281.20	\$326.14	\$255.00	\$264.00	\$314.58

**Table 12. 80<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$535.00	\$650.00	\$856.00	\$480.00	\$535.00	\$642.00
	Part-time	\$321.00	\$390.00	\$513.60	\$288.00	\$321.00	\$385.20
12 – 30 mo.	Full-time	\$500.00	\$578.34	\$813.20	\$450.00	\$535.00	\$642.00
	Part-time	\$300.00	\$347.00	\$487.92	\$270.00	\$321.00	\$385.20
30 – 60 mo.	Full-time	\$451.00	\$540.42	\$725.00	\$450.00	\$500.00	\$600.00
	Part-time	\$270.60	\$324.25	\$435.00	\$270.00	\$300.00	\$360.00
5 – 6 yr.	Full-time	\$428.00	\$520.44	\$642.00	\$428.00	\$479.00	\$550.00
	Part-time	\$256.80	\$312.26	\$385.20	\$256.80	\$287.40	\$330.00
6 – 12 yr.	Full-time	\$425.00	\$492.20	\$563.00	\$428.00	\$470.80	\$535.00
	Part-time	\$255.00	\$295.32	\$337.80	\$256.80	\$282.48	\$321.00

**Table 13. 85<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$545.00	\$664.00	\$876.75	\$500.00	\$550.00	\$650.00
	Part-time	\$327.00	\$398.40	\$526.05	\$300.00	\$330.00	\$390.00
12 – 30 mo.	Full-time	\$525.00	\$605.41	\$847.10	\$472.18	\$535.00	\$642.00
	Part-time	\$315.00	\$363.25	\$508.26	\$283.31	\$321.00	\$385.20
30 – 60 mo.	Full-time	\$470.80	\$560.00	\$749.00	\$450.00	\$523.75	\$642.00
	Part-time	\$282.48	\$336.00	\$449.40	\$270.00	\$314.25	\$385.20
5 – 6 yr.	Full-time	\$447.26	\$535.00	\$674.00	\$450.00	\$500.00	\$577.38
	Part-time	\$268.36	\$321.00	\$404.40	\$270.00	\$300.00	\$346.43
6 – 12 yr.	Full-time	\$428.00	\$521.85	\$610.16	\$428.00	\$500.00	\$550.00
	Part-time	\$256.80	\$313.11	\$366.09	\$256.80	\$300.00	\$330.00



**Table 14. 90<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$582.50	\$675.00	\$902.60	\$532.86	\$582.00	\$724.39
	Part-time	\$349.50	\$405.00	\$541.56	\$319.72	\$349.20	\$434.63
12 – 30 mo.	Full-time	\$536.60	\$642.80	\$868.40	\$500.00	\$575.00	\$711.83
	Part-time	\$321.96	\$385.68	\$521.04	\$300.00	\$345.00	\$427.10
30 – 60 mo.	Full-time	\$489.32	\$577.80	\$791.80	\$477.24	\$535.00	\$650.00
	Part-time	\$293.59	\$346.68	\$475.08	\$286.34	\$321.00	\$390.00
5 – 6 yr.	Full-time	\$450.00	\$550.64	\$724.20	\$450.00	\$513.60	\$620.54
	Part-time	\$270.00	\$330.38	\$434.52	\$270.00	\$308.16	\$372.32
6 – 12 yr.	Full-time	\$444.11	\$540.13	\$647.60	\$450.00	\$513.60	\$577.24
	Part-time	\$266.46	\$324.08	\$388.56	\$270.00	\$308.16	\$346.34

**Table 15. 95<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$626.15	\$700.00	\$984.40	\$550.00	\$642.00	\$749.85
	Part-time	\$375.69	\$420.00	\$590.64	\$330.00	\$385.20	\$449.91
12 – 30 mo.	Full-time	\$567.84	\$668.05	\$954.01	\$535.75	\$642.00	\$856.00
	Part-time	\$340.70	\$400.83	\$572.41	\$321.45	\$385.20	\$513.60
30 – 60 mo.	Full-time	\$495.00	\$609.80	\$851.50	\$556.25	\$573.55	\$854.20
	Part-time	\$297.00	\$365.88	\$510.90	\$333.75	\$344.13	\$512.52
5 – 6 yr.	Full-time	\$481.50	\$599.64	\$820.20	\$487.00	\$550.00	\$800.00
	Part-time	\$288.90	\$359.78	\$492.12	\$292.20	\$330.00	\$480.00
6 – 12 yr.	Full-time	\$450.00	\$556.40	\$775.45	\$476.32	\$550.00	\$647.06
	Part-time	\$270.00	\$333.84	\$465.27	\$285.79	\$330.00	\$388.24

**Table 16. 100<sup>th</sup> Percentile of Market Rates (\$/Month)**

Age	Usage	Child Care Centers			Group or Family Care		
		Cluster 1	Cluster 2	Cluster 3	Cluster 1	Cluster 2	Cluster 3
0 – 12 mo.	Full-time	\$715.00	\$845.00	\$1,177.00	\$642.00	\$856.00	\$1,177.00
	Part-time	\$429.00	\$507.00	\$706.20	\$385.20	\$513.60	\$706.20
12 – 30 mo.	Full-time	\$650.00	\$765.00	\$1,070.00	\$642.00	\$856.00	\$1,540.80
	Part-time	\$390.00	\$459.00	\$642.00	\$385.20	\$513.60	\$924.48
30 – 60 mo.	Full-time	\$535.00	\$725.00	\$1,070.00	\$1,198.40	\$856.00	\$1,455.20
	Part-time	\$321.00	\$435.00	\$642.00	\$719.04	\$513.60	\$873.12
5 – 6 yr.	Full-time	\$535.00	\$684.80	\$1,027.20	\$642.00	\$856.00	\$1,369.60
	Part-time	\$321.00	\$410.88	\$616.32	\$385.20	\$513.60	\$821.76
6 – 12 yr.	Full-time	\$535.00	\$684.80	\$982.00	\$642.00	\$856.00	\$1,369.60
	Part-time	\$321.00	\$410.88	\$589.20	\$385.20	\$513.60	\$821.76