

ADMINISTRATION FOR INTEGRAL CHILD CARE AND DEVELOPMENT

**CHILD CARE CENTERS AND LICENSED HOMES
MARKET RATE SURVEY**

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January 2016

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EXECUTIVE SUMMARY

- A Market Rate Survey was performed by the Administration for Integral Child Care and Development (ACUDEN for its Spanish Acronym). The data was collected in 2015 and an external researcher was hired to verify the procedures used, to verify and analyze the data, and to write the report. The report included the development of a Sliding Fee Scale.
- The purpose of the Market Rate Survey was to identify typical rates and to examine trends in child care providers' rates. The results can then be used to establish reduced payments for families that qualify according to their annual income and the number of family members (i.e., a Sliding Fee Scale).
- Child care providers included in this study did not have different rates for Infants and Toddlers. Therefore, results show only one category that includes both.
- Different rates, unadjusted and adjusted, were computed. The recommendation was to use the adjusted rate A6M as it represents better the of the number of hours in which centers provide services and the time it takes parents to travel from work to the center to pick up their child. Also, using the adjusted rate A6M allows to establish comparisons with past and future Market Rate Surveys, for this rate has been used since 2001.
- The A6M rate applies to full-time services. Part-time service rates were computed by selecting centers and homes that reported less than 6 hours of work per day.
- Percentile 75th was used to establish market rates for two reasons: it allows families access to more centers and it has been used since 2001 in previous market rate surveys.

- Market rates were determined for centers and licensed homes. Also, rates were established according to whether services were part-time or full-time and according to the population to which child care providers serve (Infants/Toddlers, Preschoolers, School-age, and Special Needs).

2015 child care rates

CLIENTELE	CENTERS		HOMES	
	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)
Infants / Toddlers	325*	351	191	270
Preschoolers	325*	338	182*	264*
School-age	258	N/A	220*	N/A
Special Needs	216*	351	164	260

Notes. * Could not be computed based on collected data. Recommended to remain unchanged based on the stability of the market. N/A Does not apply for School-age services are based on extended hours (less than 6 hours per day). Part-time monthly rates were calculated by selecting child care providers that informed less than 6 service hours.

- In order to establish reduced payments, a Sliding Fee Scale was developed using the Poverty Guidelines revised and published during 2015 in the Federal Register (Table 20). The steps to create a Sliding Fee Scale were documented to allow the creation of future Sliding Fee Scales.
- Reduced payments' tables were developed to specify the family's copayment and ACUDEN's contribution (Tables 21 thru 24). Tables were based on the Sliding Fee Scale and the Market Rate Survey results.
- A comparison was made with the results from previous Market Rate Surveys. Results show that Market Rates are similar to those from previous years. Increments in rates from 2013 to 2015 are small ranging from 2% to 12%.

- Child care providers indicated that they have not increased their rates to stay competitive within the financial situation of Puerto Rico. Others indicated that they eliminated the registration fee to help families. Those who charge a registration fee divide the total amount by 10 and charge 1/10 every month to help families.

Child care providers' rates comparison for years 2001, 2006, 2009, 2013, and 2015

Means

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	231	259	311	310	314	175	222	234	252	260
Preschool	224	253	305	300	306	173	211	236	244	---
School-age	113	124	131	237	157	117	95*	114	191	---
Special Needs	246	279	323	302	322	221	260	243*	234	252*

Ninetieth (90th) percentile

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	310	338	415	408	411	217	280	282	281	304
Preschoolers	315	329	412	370	392	200	261	282	281	---
School-age	196	210	238	305	257	196	116*	219	257	---
Special Needs	355	380	440	320	427	362	268*	243*	265	---

Seventieth (75th) percentile

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	249	280	341	343	351	196	217	261	270	270
Preschoolers	243	273	330	329	338	175	219	261	264	---
School-age	147	160	176	251	197	174	115*	105	220	---
Special Needs	292	288	350	316	351	268	264*	---	260	260

Notes. * Value must be evaluated with caution due to the small sample used to compute it.
--- Insufficient cases to obtain a result.

INTRODUCTION

The Market Rate Survey presented in this paper was commissioned by the Administration for Integral Child Care and Development (ACUDEN, for its Spanish Acronym) of the Department of Family of Puerto Rico. The purpose of the Market Rate Survey is to assess market child care rates among child care centers and homes licensed by the Department of Family. These rates will then serve as a guide to provide subsidized child care to qualifying families according to their annual income and the number of family members.

The Market Rate Survey described here collected rates data for different children's age categories: infants (birth thru 18 months); toddlers (19 months thru 2 years and 11 months), preschoolers (3 years thru 4 years and 11 months), school-age children (5 years thru 12 years and 11 months), and special needs children (until 18 years and 11 months). It also takes into account if services are provided on a full-time or part-time basis.¹ The rate that lies at the 75th percentile is selected within each category. With this rate, ACUDEN aims to authorize a competitive payment within the market that will promote equal access to services (Child Care Bylaws, p. 30).

Objectives

The objectives of this research were the following:

- Transfer Market Rate Survey data collected by ACUDEN to an SPSS database.
- Verify collected data examining the database vis-à-vis data collection documents, notes, and interviewing key personnel involved.

¹ School-age children that have five years old or more receive services based on extended service hours (before or after school hours).

- Develop a narrative describing and validating data collection procedures.
- Analyze data using descriptive and inferential statistics to identify trends and establish market rates.
- Develop a sliding fee scale taking into account family's annual income and the number of family members.
- Describe the procedure of developing a sliding fee scale in detail so that ACUDEN can replicate the process in future Market Rate Surveys.
- Develop and describe in detail the process of determining family's child care copayments (reduced payments).
- Provide information about the Market Rate Survey and the Sliding Fee Scale that needed to be integrated into the State Plan.

METHODS

Research Design

The market rate survey described in this report used a quantitative methodology. This methodology is useful when collecting numerical data to describe a phenomenon (Creswell, 2008; McMillan, 2008). Creswell (2008) indicates that the use of quantitative methods allow the researcher to study tendencies. In the case at hand, the aim is to study the dollar amount parents pay to procure child care services for their children.

The term research design refers to the procedures used to find answers to research questions (Christensen, 2006). As the term implies, market rate surveys use survey research as its design. Survey research is typically a quantitative design in which the researcher collects, analyzes, and reports numerical data in aggregated form (Fowler, 2009). The data gathered allows the researcher to describe and compare groups of individuals or entities in one or more variables.

The instrument used in survey research is the questionnaire. Questionnaires include the questions that participants need to answer in order for the researcher to analyze the responses and provide answers to his/her research questions. Questionnaires can be administered and collected using different ways (e.g., regular mail, Internet, electronic mail, Internet, telephone, fax). Each form of administration has its strengths and challenges. However, what lies underneath obtaining good response rates are the steps taken to follow up respondents. The following sections describe the steps taken in order to procure the data to assess market rates.

Data Collection Process²

Child Care providers were identified using the information from two different sources. First, a list of licensed care providers was obtained from the Department of Family Licensing Office. Second, the Department of Family Regional Offices were contacted and asked to provide a list of registered care providers within their region. The two lists were compared and combined to produce an updated list. This process was necessary as new care provider sites open, while others close due to fluctuation in registration rates. Therefore, information regarding new centers is registered in each instance (Licensing and Regional Offices) when they open for business, but care providers do not necessarily inform, in a timely manner, when they close. Once the list was developed, a letter was sent to care providers informing them about the research effort and its importance.

An interview protocol was developed in order to guide the data collection process. The interview protocol contained two documents: instructions on how to conduct the phone interview and a data collection sheet. The instructions included information on how to approach care providers and the information that needed to be given to them in order to describe the survey research process and its importance (phone call's purpose, data needed, and the importance of the data and their cooperation). It also informed that participation was voluntary, that they had the right to decide not to participate, that they did not have to answer any question that they did not want to answer, and that their responses were

² This information was gathered by reviewing documents used during the data collection process and by interviewing key informants (i.e., staff that supervised the data collection process).

confidential. The latter is consistent with the informed consent process, which is an important component of any research process to adhere to the research ethics principles of confidentiality and the freedom to choose whether to participate or not.

The Data Collection Sheet included questions related to the child care facility's contact information and location, and the rates established for each population group receiving services. Questions related to the child care facility's contact information and location included: name, address, telephone, region, municipality, type of child care facility (center or licensed home) and whether it was located in an urban or a rural zone. The data related to the child care rates contained the following: number of children receiving services, number of hours included in the rate, type of rate (hourly, weekly, monthly), full-time rate, part-time rate, registration cost (month, trimester, annual), and summer rate if applicable. The number of children according to the license and the number of children currently enrolled in the child care facility were divided according to the following categories: Special Needs (18 years and 11 months of age or less), Infants (1 year and 6 months of age or less), Toddlers (1 year and 7 months until 2 years and 11 months), Preschoolers (3 years until four years and 11 months), and School-age (5 years until 12 years and 11 months).

Child Care personnel within the Administration for the Integral Child Care and Development (ACUDEN, for its Spanish Acronym) was recruited and trained to conduct the phone interviews. Since the duties and responsibilities of the staff recruited to work on the survey were not necessarily related to addressing care providers neither collecting data for research purposes, the staff was supervised in order to address their concerns and provide answers to questions that emerged during the process. This process included

giving support to the staff when they needed reassurance that they were conducting the process correctly. An example of the latter is the instance in which a staff member gets frustrated for he/she is not able to achieve the cooperation of a care provider.

In some cases, it took several calls from the staff in order to collect the information from care providers. Up to five calls were made before stating that a care provider cannot be reached or that the care provider was not really willing to participate. All available contact phone numbers for each care provider were called in multiple occasions. However, in some cases communication could not be established due to problems with phone numbers: the phone rang but was never answered, it gave a busy tone every time it was dialed, or it gave an out of service or disconnected message. In other instances someone answered but the information cannot be collected because the phone number that was dialed belonged to a private residence, the number belonged to some business other than a child care facility, or the person who answered informed that the center was no longer in operation.

On the other hand, those care providers' personnel that were contacted but refused to participate in the survey gave several reasons for not providing the data. Some of the reasons given were: you are calling during working hours and we cannot leave the children without supervision, we are working on a task that does not allow us to gather and provide the information right now, and the person that has access to the information is not in at this moment. In every case, the staff collecting the survey data was instructed to call at a later

time. However, in some cases, the staff called several times and either the phone was not answered or the person in charge was never available to provide the information.³

It is noteworthy that even when the principal data collection technique was by means of a phone interview, multiple intents and ways of collecting the data were used. First, as described above, child care providers were called in multiple occasions at different days and times. When they informed that they were not able to provide the data when called, the survey staff personnel inquired about the best day and time to call back and both parts agreed on a day and time to call back. Furthermore, child care providers were also given the choice of receiving and returning the survey using other means (e.g., e-mail, fax).

Data Coding and Verification

The data collection sheet was paramount in assuring that all the data needed for the study was collected. The personnel that developed the data coding sheet were also in charge of coding, verifying, and entering the data into a database. Therefore, there were no major concerns in understanding what each field in the data coding sheet meant. However, the staff that conducted the interviews occasionally made notes in the data collection sheets that needed to be clarified. In these cases, the personnel in charge of entering the data into the database interviewed the staff to clarify these notes. They also interviewed the staff in

³ Originally, a simple random sample (i.e., a probabilistic sample) technique was used to select the sample for the study. However, the strategy was changed as the staff started having difficulties reaching a large number of the care providers in the sample. Instead of using a random sample, it was decided to call all care providers who qualified for the study and whose contact information was available.

order to corroborate and better understand the reasons for not collecting the data from a particular care provider.

The process described above served as a step towards a quality control process. A second step taken in verifying the data (i.e., another quality control check) was to call 10% of the care providers⁴. This process had two purposes: to make sure that care providers were contacted and to verify the data collected by the staff. In all instances the staff in charge of supervising the personnel collecting the data was able to corroborate that the data collected coincided with the data provided during the verification process.

Once all data was coded and entered into a database, a final step was taken for quality control purposes. An external researcher was contracted to verify the data collection procedures and the data coded into the database. The researcher was given access to the database and to all documents used during the data collection process. The researcher verified all documents and interviewed key personnel to understand the process and the coding scheme used. Then, the researcher verified each case in the database vis-à-vis the data contained in the documents and in the coding sheets. The researcher developed a document explaining the data collection, coding, and verification process. This document was submitted to key personnel for them to verify and certify that the narrative was consistent with the tasks performed.

⁴ It is noteworthy that selecting 10% of the cases within a database for verification purposes is consistent with Kent's recommendation regarding survey research data verification (Kent, 2001).

Response Rate

The total number of Child Care service providers' telephone numbers called was 762. From these, 89 were eliminated because they belonged to centers that did not qualify for the study as they provide services with funds from ACUDEN and do not offer services to children from the private sector. Additionally, 48 telephone numbers were excluded for the Child Care providers closed their businesses. Moreover, call efforts revealed that 152 telephone numbers led to wrong numbers and numbers out of service. Therefore, the total number of telephone numbers that qualified for the study was 473 (See Table 1); number which was used to calculate the response rate.

Table 1.

Child care service providers contact efforts results

Reasons for not being able to contact Child Care providers	Amount
Operate with proposals from ACUDEN	89
No longer in operation	48
Wrong numbers and numbers out of service	152
No one answered*	48
Not willing to participate	21

Note. * Called and left messages, but the person never called back; or the phone number was always busy.

From the 473 phone numbers that qualified and were working, 48 telephone numbers were never answered and in 21 of those that were answered, the Child Care provider did not want to participate in the survey. Therefore, the number of Child Care providers that participated in the survey was 404, resulting in an 85.41% response rate.

Data Analysis

Rates' Data Conversion

Data conversions were performed depending on the manner in which child care providers reported child care rates. All informed rates were converted to monthly rates to enable comparisons among child care providers. If a child care provider reported a weekly rate, the amount was converted to a monthly rate by multiplying the weekly rate by 4.345238. This value was obtained from the following equation $365 \div 12 \div 7 = 4.345238$ (i.e., days in a year \div months in a year \div days in a week).

On the other hand, if a child care provider reported a daily rate, the amount was converted to a weekly rate. Once expressed as a weekly rate, the amount can be converted to a monthly rate using the procedure described in the previous paragraph. The daily rate was converted to a weekly rate by multiplying the daily rate by 5 (i.e., the number of work days within a week).

Another useful conversion in order to make comparisons is to convert a monthly rate to a daily rate. In order to obtain the daily rate, the monthly rate is divided by 21.72619. This value is obtained from the following equation $4.345238 \times 5 = 21.72619$ (weeks within a month \times work days within a week).

Most child care providers charged parents an annual registration fee. This fee was included in the monthly rate by dividing it by 10; thus, excluding the two summer months. The result was then added to the monthly rate.

Rates Computed and Analyzed

The monthly rates that were computed and analyzed correspond with those that ACUDEN has been using since 2001. It was necessary to use the same equations to enable comparisons of child care provider's rates across time. That is, using the same computational method allowed the examination of trends across time. SPSS version 22 was used in making all calculations and analysis. The SPSS syntax used to compute rates can be seen in Appendix C (unadjusted rates) and Appendix D (adjusted rates).

Unadjusted Monthly Rate. The Unadjusted Monthly Rate corresponds with the one informed by child care providers. The only adjustment performed, if necessary, was to convert a daily or weekly rate to a monthly rate using the equations described in the previous section.

Adjusted Monthly Rate to a Ten Hour Day (A10). This adjusted monthly rate is calculated multiplying the hourly rate by 10 and then by 21.72619. This rate recognizes that a typical workday for parents consists of eight hours and that parents need time to travel from work to the child care facility during their lunch hour and at the end of the day.

Adjusted Monthly Rate to a Three Hour Day (A3). This adjusted monthly rate is calculated multiplying the hourly rate by 3 and then by 21.72619. It was computed for School-age children because the service provided is based on extended day services only (i.e., on a part-time basis).

Adjusted Monthly Rate A6. This adjusted monthly rate is equal to the Unadjusted Monthly Rate if the child care provider offers at least 6 hours of service daily or equal to

the Adjusted Monthly Rate to a Ten Hour Day (A10) if the child care provider offers less than 6 hours of service daily.

Adjusted Monthly Rate A6M. It is the Adjusted Monthly Rate A6 plus one tenth of the registration cost. One tenth of the registration cost was added as child care providers allow parents to include registration costs in their monthly payment instead of paying the whole amount at the beginning of the year. The registration cost is divided by ten because it excludes the two summer months.

Statistical Analyses

The statistical analyses performed included central tendency (mean and median)⁵, dispersion (standard deviation), and distribution (frequency, percentages, and percentiles 75 through 95). Inferential statistical analyses⁶ were also performed to compare the means of groups formed by zone (urban and rural) and region. The independent samples *t* test and the Mann-Whitney U test were used to compare rates according to zones as these tests are appropriate to compare the means of two independent groups (King, Rosopa, & Minium, 2011). Mann-Whitney U was used in case the assumptions of the *t* test were not met. The One-Way Analysis of Variance (ANOVA) and the Kruskal-Wallis test were used to compare the 10 groups formed by the variable region. King, Rosopa, and Minium (2011) state that ANOVA and Kruskal-Wallis are appropriate when comparing three (3) or more independent groups. Kruskal-Wallis was used in case de assumptions of the ANOVA were

⁵ The mode was not used as it is not a stable measure of central tendency. Also, there can be multiple modes in a distribution. The median is useful when score distributions are skewed. (King, Rosopa, & Minium, 2011).

⁶ Comparisons were made using an alpha level of 0.05.

not met. Mann-Whitney U and Kruskal-Wallis are nonparametric tests that are robust and equivalent to their parametric counterparts (Siegel & Castellan, 1988).

RESULTS

There are certain aspects that were encountered during the data collection process that must be known before proceeding to the presentation and explanation of the results.

- Child care providers that participated in this study did not have different rates for Infants and Toddlers. Therefore, the tables summarizing the results show only one category that includes both.
- Most child care providers informed a monthly rate only. That is, they did not informed hourly or weekly rates. However, as explained in the section named Data Conversion, monthly rates can be converted easily to hourly and weekly rates.
- Child Care providers that indicated that they provide services during the summer did not have a different rate for the summer months (June and July).
- Various centers indicated that they do not charge a registration fee in order to keep their costs competitive and those who charged a registration fee allowed parents to pay the registration fee as part of their monthly payment.
- Child care providers indicated that they have tried to keep their rates stable in order to be competitive, recognizing the financial situation of Puerto Rico.
- Some centers that provide services to School-age Children were not taken into consideration as they informed that they provide full-time services (6 hours or more of service). These centers were excluded for ACUDEN only considers extended services (part-time; 5.5 hours or less) for School-age Children. Centers that provide full-time services for School-age Children are schools and not licensed centers.

The particularities mentioned in the previous paragraphs are to be kept in mind while analyzing the data and explaining the results. Also, the variables municipality, region, zone, type of child care provider (center or licensed home), and population groups to which services are given (Special Needs, Infants/Toddlers, Preschoolers, and School-age Children) are used to create comparison groups.

Child Care Providers

This study collected information of two different types of child care providers: centers and licensed homes. Tables 2 and 3 provide the number (frequency) of existing centers and licensed homes in each municipality, respectively. In regards to Child Care Centers (Table 2), one can see that 65 municipalities were represented in the data. Considering that Puerto Rico is divided in 78 municipalities, 83% of the municipalities were represented in the collected data. The municipalities with the highest number of centers are Bayamón (34), Carolina (34), and Caguas (23).

Table 2.

Child care centers in each municipality included in the study

Municipality	Frequency	Municipality	Frequency
Adjuntas	1	Juana Díaz	3
Aguada	4	Juncos	4
Aguadilla	5	Las Piedras	2
Aguas Buenas	1	Luquillo	1
Aibonito	2	Manatí	3
Añasco	3	Mayagüez	11
Arecibo	10	Moca	1
Arroyo	1	Morovis	1
Barranquitas	1	Naguabo	1
Bayamón	34	Naranjito	2
Cabo Rojo	6	Orocovis	1
Caguas	23	Ponce	20
Camuy	2	Quebradillas	3
Canóvanas	5	Rincón	1
Carolina	34	Río Grande	3
Cayey	4	Río Piedras	16
Ceiba	1	Sabana Grande	3
Cidra	5	Salinas	2
Coamo	2	San Germán	6
Comerio	1	San Juan	12
Corozal	1	San Lorenzo	3
Dorado	1	San Sebastián	2
Fajardo	5	Santa Isabel	1
Guayama	6	Santurce	6
Guayanilla	4	Toa Alta	2
Guaynabo	8	Toa Baja	9
Gurabo	1	Trujillo Alto	8
Hatillo	1	Utua	1
Hato Rey	7	Vega Alta	3
Hormigueros	1	Vega Baja	3
Humacao	3	Villalba	3
Isabela	3	Yauco	2
Jayuya	2		

Note. Centers = 327; Municipalities = 65. Data was missing for two centers.

Table 3 shows the distribution of licensed homes among the different municipalities in which Puerto Rico is divided. It is noteworthy that the table shows that only 20 (out of 78; 25.6%) municipalities are represented in the collected data. However, the note at the end of the table explains that this piece of information was missing for 35 licensed homes of those included in the database.

Table 3.

Child care homes in each municipality included in the study

Municipality	Frequency
Aguada	3
Añasco	1
Barceloneta	1
Bayamón	4
Cabo Rojo	2
Caguas	1
Cayey	1
Fajardo	2
Guayanilla	1
Guaynabo	1
Gurabo	4
Hormigueros	1
Luquillo	2
Moca	1
Ponce	3
Río Piedras	1
San Juan	3
San Sebastián	1
Toa Alta	1
Yauco	1

Notes. Homes = 35; Municipalities = 20. Data was missing for 35 Homes.

Tables 4 shows the regions in which ACUDEN groups the different municipalities present in the data. The municipalities with more centers are Bayamón (55), Carolina (51), and San Juan (49). The municipalities with the least number of centers are Aguadilla (17), Humacao (16), and Guayama (14).

Table 4.

Child care centers and licensed homes in each region included in the study

	Regions	Centers		Licensed Homes	
		Frequency	Percent	Frequency	Percent
	Aguadilla	17	5.2	5	7.1
	Arecibo	21	6.4	1	1.4
	Bayamón	55	16.7	5	7.1
	Caguas	35	10.6	5	7.1
	Carolina	51	15.5	2	2.9
	Guayama	14	4.3	1	1.4
	Humacao	16	4.9	2	2.9
	Mayagüez	30	9.1	4	5.7
	Ponce	40	12.2	5	7.1
	San Juan	49	14.9	5	7.1
	Total	328	99.7	35	50
Missing	System	1	.3	35	50
Total		329	100.0	70	100

The following table (Table 5) presents the number of centers and licensed homes divided according to zone (urban or rural). One can see that the tendency is to have more centers and licensed homes in urban scenarios than in rural settings.

Table 5.

Child care centers and licensed homes divided by zone

	Zone	Centers		Licensed Homes	
		Frequency	Percent	Frequency	Percent
	Urban	241	73.3	27	38.6
	Rural	87	26.4	8	11.4
	Total	328	99.7	35	50
Missing	System	1	.3	35	50
Total		329	100.0	70	100

Tables 6 and 7 present the number of children that are currently receiving services in child care centers and licensed homes. Due to the large standard deviations (high variability), it is considered more appropriate to evaluate the median instead of the mean. The median shows that there are more children in centers that provide services to Infants/Toddlers,

Preschoolers, and School-age Children than in centers that provide services to children with Special Needs (see Table 6).

Table 6.

Number of children in child care centers

	Special Needs	Infants and Toddlers	Preschoolers	School-age Children
n	104	282	315	58
Mean	6.01	13.44	15.59	16.57
Std. Error	1.02	.54	.738	4.48
Median	4.00	11.00	12.00	10.00
Std. Deviation	10.36	9.12	13.09	34.11

Notes. Two centers did not specify the number of School-age children.

Table 7 show the number of children that receive services in licensed homes. One can see that there are more children in licensed homes that provide services to Infants/Toddlers than in licensed homes that provide services to children with Special Needs. Also, it is noteworthy that the data did not include licensed homes that provide services to Preschoolers and School-age Children.

Table 7.

Number of children in child care licensed homes

	Special Needs	Infants and Toddlers	Preschoolers	School-age Children
n	7	57	---	---
Mean	1.29	3.14	---	---
Std. Error	.18	.19	---	---
Median	1.00	3.00	---	---
Std. Deviation	.49	1.45	---	---

Note. --- Data not available.

Tables 8 and 9 show the number of service hours of child care centers and licensed homes. Child Care centers (Table 8) shows that centers provide approximately 11 hours of service daily. The high number of hours can be explained when considering a parent that works

full-time (8 hours a day). Parents need time to commute from work to the center in order to pick up his or her child.

In the case of School-age children, they receive extended services which will be provided after school hours. The number of extended hours of service for this population is approximately 3 hours.

Table 8.

Child care centers service hours

	Special Needs	Infants and Toddlers	Preschoolers	School-age
n	111	287	320	60
Mean	10.26	10.61	10.39	3.45
Std. Error	.18	.09	.10	.12
Median	11.00	11.00	11.00	3.00
Std. Deviation	1.89	1.54	1.79	.93

Table 9 shows the number of service hours provided by licensed homes. In this case one can see that for the Special Needs population the number of service hours was around 11 (considering the median). On the other hand, the number of service hours for Infants and Toddlers was around nine (9).

Table 9.

Child care homes service hours

	Special Needs	Infants and Toddlers	Preschoolers	School-age
n	5	59	---	---
Mean	9.40	9.36	---	---
Std. Error	1.61	.24	---	---
Median	11.00	9.00	---	---
Std. Deviation	3.59	1.81	---	---

Note. The sample did not contain data for licensed homes that provide services to Preschoolers and School-age children.

Child Care Providers' Rates

Tables 10 through 13 present the monthly rates descriptive statistics for Child Care Centers. As explained previously, different rates were calculated. The Unadjusted rate uses monthly rates as they were informed. The other rates are adjusted rates (A10, A6, and A6M). The rate A6M is recommended for it takes into consideration the Unadjusted rate and the Adjusted A10 rate. It also incorporates 1/10 of the registration fee. The A6M rate has been used by ACUDEN since the Market Rate Survey performed during 2001. Therefore, using A6M is also recommendable for it allows comparisons with the results from previous years. Appendix E shows the SPSS syntax to obtain rates' descriptive statistics.

The tables show that Center Rates for children with Special Needs and Infants/Toddlers are almost the same. Also, one can see that Center Rates for children with Special Needs and Infants/Toddlers are higher than those for Preschoolers and School-age children. Finally, Center Rates for School-age children are lower than the others, as one would expect for they offer extended services (i.e., part-time; less than 6 hours per day) and not full-time services.

The coefficient of variation was computed for all cases. This coefficient is useful when comparing the variability of distributions with different units or very different means. It is computed by obtaining the ratio of the standard deviation to the mean (standard deviation ÷ mean). The highest coefficient of variation was obtained for the School-age children rates.

Table 10.

Children with special needs child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	111	111	111	111
Mean	292.59	297.20	300.98	321.71
Std. Error of Mean	7.64	11.81	9.84	10.06
Median	295.00	270.83	297.00	312.50
Std. Deviation	80.52	124.43	103.67	106.01
Coefficient of variation	27.52%	41.87%	34.44%	32.95%
Percentiles				
75	325.89	312.50	325.89	350.89
80	340.00	346.09	341.80	365.00
85	352.00	377.14	362.00	392.00
90	399.00	399.75	400.00	427.00
95	434.00	476.64	460.00	492.00

Table 11.

Infants and toddlers child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	287	287	287	287
Mean	290.21	278.54	292.91	314.15
Std. Error of Mean	4.33	4.88	4.62	4.95
Median	285.00	266.67	290.00	308.94
Std. Deviation	73.29	82.74	78.29	83.83
Coefficient of variation	25.25%	29.70%	26.73%	26.68%
Percentiles				
75	325.00	304.55	325.00	350.89
80	343.00	322.00	343.00	369.41
85	350.00	337.50	363.00	385.80
90	380.00	361.06	380.00	411.20
95	420.00	406.92	423.00	462.30

Table 12.

Preschoolers child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	320	320	320	320
Mean	276.91	274.31	284.43	306.09
Std. Error of Mean	3.89	4.94	4.76	4.96
Median	280.00	260.87	280.00	297.50
Std. Deviation	69.55	88.40	85.08	88.66
Coefficient of variation	25.12%	32.23%	29.91%	28.97%
Percentiles				
75	318.00	300.00	320.00	338.13
80	325.00	313.56	325.00	350.00
85	329.00	333.02	339.25	365.00
90	350.00	365.21	369.35	392.25
95	385.00	409.42	409.50	444.75

Table 13.

School-age child care centers' rates

Statistics	Unadjusted	A3	A3M
n	141	141	141
Mean	245.67	132.32	157.15
Std. Error of Mean	7.14	6.46	6.49
Median	250.00	100.73	138.00
Std. Deviation	84.83	76.66	77.16
Coefficient of variation	34.53%	57.94%	49.09%
Percentiles			
75	300.00	177.00	197.00
80	320.00	187.17	219.40
85	325.63	206.45	232.11
90	350.00	241.20	256.90
95	379.50	300.00	324.80

Inferential statistics were performed to compare the means of the different group rates (Special Needs, Infants/Toddlers, Preschoolers, School-age children) when divided according to Zone and Region (i.e., using these two variables as independent variables). When compared by Zone, significant differences were found for the Infants/Toddlers (Urban: mean 321.13; Rural: mean 295.42) and Preschoolers (Urban: mean 314.42; Rural:

mean 283.47) groups at the 0.05 alpha level. Descriptive statistics divided by Zone are in Appendix A.

On the other hand, when compared by Region, significant differences were found for Infants/Toddlers in the following pair comparisons: Arecibo/Bayamón, Arecibo/Caguas, Arecibo/San Juan, Guayama/San Juan, and Ponce/San Juan. Differences were also found for Preschoolers in the following comparisons: Arecibo/Bayamón, Arecibo/San Juan, Carolina/San Juan, Mayaguez/San Juan, and Ponce/San Juan. Descriptive statistics divided by Region are in Appendix B.

Tables 14 and 15 show the rates obtained from Licensed Homes. As with the results obtained for the Centers', the adjusted rate A6M is recommended for the reasons presented previously. It is important to mention that rates for Preschoolers and School-age children could not be determined due to the limitations of the collected data. The only comparison that could be performed with the data for Licensed Homes was for the Infants/Toddler group by Zone and by Region. There were no significant differences among the group means.

Table 14.

Children with special needs child care homes' rates

	Unadjusted	A10	A6	A6M
n	7	5	5	5
Mean	232.10	246.24	251.94	251.94
Std. Error of Mean	22.26	26.49	3.98	3.98
Median	250.00	217.26	250.00	250.00
Std. Deviation	58.90	59.23	8.91	8.91
Coefficient of variation	25.38%	24.05%	3.54%	3.54%
Percentiles				
75	260.71	298.81	260.36	260.36
80	262.43	328.09	260.57	260.57
85	264.14	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. Two cases were lost due to incomplete data.

Table 15.

Infants and toddlers child care homes' rates

	Unadjusted	A10	A6	A6M
n	59	59	59	59
Mean	258.64	283.39	259.53	259.53
Std. Error of Mean	5.62	8.37	5.11	5.11
Median	260.71	277.78	260.71	260.71
Std. Deviation	43.18	64.28	39.23	39.23
Coefficient of variation	16.69%	22.68%	15.12%	15.12%
Percentiles				
75	270.00	346.67	270.00	270.00
80	282.44	347.62	282.44	282.44
85	282.44	360.00	282.44	282.44
90	304.17	360.00	304.17	304.17
95	325.89	376.59	325.89	325.89

=====
Note. The sample did not include Preschool or School-age Child Care Homes.
=====

As with previous Market Surveys (2001, 2006, 2009, 2013), the recommended rate is the Percentile 75 of the A6M rate. Finding significant differences among certain groups according to Zone and Region do not pose a problem as no individual rate is significantly above the A6M rate.

Tables 16 and 17 show the current (2013) and the proposed child care rates (2015). By comparing the data contained within these two tables one can observe that the child care rates are fairly similar. The highest difference can be found between centers' providing full-time service to children with Special Needs (316 in 2013 and 351 in 2015; a difference of \$35 dollars). Other differences range between \$4 and \$8. Overall, the trend found between 2013 and 2015 rates is either to increase a little or remain the same.

The trend of rates remaining fairly similar can be explained by the comments of child care providers. They indicated that they have not raised their fees significantly in order to remain competitive within the economic situation of Puerto Rico. Few of them even stated that they have eliminated the registration fee to help parents.

Table 16.

2013 child care rates

CLIENTELE	CENTERS		HOMES	
	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)
Infants / Toddlers	325	343	184	270
Preschoolers	325	329	182	264
School-age	251	N/A	220	N/A
Special Needs	216	316	160	260

Table 17.

2015 child care rates

CLIENTELE	CENTERS		HOMES	
	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)	PART-TIME MONTHLY RATE (less than 6 hours)	FULL-TIME MONTHLY RATE (6 or more hours)
Infants / Toddlers	325*	351	191	270
Preschoolers	325*	338	182*	264*
School-age	258	N/A	220*	N/A
Special Needs	216*	351	164	260

Notes. * Could not be computed based on collected data. Recommended to remain unchanged based on the stability of the market. N/A Does not apply for School-age services are based on extended hours (less than 6 hours per day). Part-time monthly rates were calculated by selecting child care providers that informed less than 6 service hours.

Table 18 show the market rates found for years 2001, 2006, 2009, 2013, and 2015. In this table one can observe that market rates have remain fairly similar after 2009. It is noteworthy the difference among the 2009, 2013, and 2015 center rates for the Special Needs population. The 2009 and 2015 are similar, while the 2013 market rate survey obtained a low value for this population.

Another difference can be seen among School-age rates for years 2009, 2013, and 2015. However, this difference is explained by the fact that 2001, 2006, 2009, and 2015 market

rate surveys show adjusted rates based on three hours (3), while the 2013 market rate survey shows the amount that was obtained by selecting centers that reported part-time hours (5.5 hours or less). That is, an adjusted rate was not informed for this population but one based on the collected data.

Table 18.

Child care providers' rates comparison for years 2001, 2006, 2009, 2013, and 2015

Means

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	231	259	311	310	314	175	222	234	252	260
Preschool	224	253	305	300	306	173	211	236	244	---
School-age	113	124	131	237	157	117	95*	114	191	---
Special Needs	246	279	323	302	322	221	260	243*	234	252*

Ninetieth (90th) percentile

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	310	338	415	408	411	217	280	282	281	304
Preschoolers	315	329	412	370	392	200	261	282	281	---
School-age	196	210	238	305	257	196	116*	219	257	---
Special Needs	355	380	440	320	427	362	268*	243*	265	---

Seventieth (75th) percentile

Population	Centers					Homes				
	2001	2006	2009	2013	2015	2001	2006	2009	2013	2015
Infants and Toddlers	249	280	341	343	351	196	217	261	270	270
Preschoolers	243	273	330	329	338	175	219	261	264	---
School-age	147	160	176	251	197	174	115*	105	220	---
Special Needs	292	288	350	316	351	268	264*	---	260	260

Notes. * Value must be evaluated with caution due to the small sample used to compute it.
--- Insufficient cases to obtain a result.

SLIDING FEE SCALE

Federal legislation require to provide affordable child care services to families according to their income and family size. Sliding fee scales are created to determine the amount reduced from what families pay for child care services. Their purposes are to ensure access to child care and payment equity according to documented financial need. The sliding fee scale is based on the Poverty Income Guidelines that are revised and published each year in the Federal Register.

The Poverty Guidelines used in the development of the Sliding Fee Scale are those for the 48 contiguous States and the District of Columbia (see Table 19). The Federal Register states the following: “The poverty guidelines are not defined for Puerto Rico or other outlying jurisdictions. In cases in which a Federal program using the poverty guidelines serves any of those jurisdictions, the Federal office that administers the program is generally responsible for deciding whether to use the contiguous-states-and-DC guidelines or to follow some other procedure” (Federal Register, vol. 80, no. 14, January 22, 2015).

Table 19.

2015 Poverty income guidelines revised and published by the Federal Register

Persons in Family/Household	48 contiguous States and the District of Columbia	Alaska	Hawaii
1	\$11,770	\$14,720	\$13,550
2	15,930	19,920	18,330
3	20,090	25,120	23,110
4	24,250	30,320	27,890
5	28,410	35,520	32,670
6	32,570	40,720	37,450
7	36,730	45,920	42,230
8	40,890	51,120	47,010
9 or more	add \$4,160 for each additional person	add \$5,200 for each additional person	add \$4,780 for each additional person

Note. Source: Federal Register, vol. 80, no. 14, January 22, 2015.

Sliding Fee Scale Development

The first row of the table shows the table's headings. The first column is the ID of the row, the second column shows the percentage applied to the base income, and the rest of the columns show the number of family members. Sliding Fee Scales used by ACUDEN during previous years use numbers of family members 1 through 12; thus, the Sliding Fee Scale developed here use those same numbers.

Rows identified with ID 1 thru ID 36 show the monthly income. The monthly income is obtained by dividing the column's annual income by 12 and then multiplying the result by the percentage that appears on the row that one is working on. Let us take, for example, the calculation of the monthly income for the row identified with ID 1. The annual income for a family of 1 according to the Poverty Guidelines is \$11,770. One divides \$11,770 by 12 obtaining \$980.33 and then multiplies \$980.33 by .50 obtaining \$490.42. Therefore, the first monthly income that appears on the table is \$490 (rounding to the nearest dollar amount).

The monthly income that appears below the \$490 is obtained by dividing \$11,770 by 12 and then multiplying the result by .51 (i.e., the percentage of the following row) obtaining \$500.23; thus, the amount is \$500 rounding it to the nearest dollar amount. The procedure is repeated for all other cells until the table is completed.

Observe that the column showing the percentages range from 50% to 85%. These percentages stem from ACUDEN's aim to provide services to those families that have the greatest need. These families are those who are below 85% of the state median income.

Table 20.

Sliding fee scale based on 2015 poverty guidelines for the 48 contiguous States and the District of Columbia

	Median	\$11,770	\$15,930	\$20,090	\$24,250	\$28,410	\$32,570	\$36,730	\$40,890	\$45,050	\$49,210	\$53,370	\$57,530
ID	Percent	Family Group 1	Family Group 2	Family Group 3	Family Group 4	Family Group 5	Family Group 6	Family Group 7	Family Group 8	Family Group 9	Family Group 10	Family Group 11	Family Group 12
1	50%	\$490	\$664	\$837	\$1,010	\$1,184	\$1,357	\$1,530	\$1,704	\$1,877	\$2,050	\$2,224	\$2,397
2	51%	500	677	854	1,031	1,207	1,384	1,561	1,738	1,915	2,091	2,268	2,445
3	52%	510	690	871	1,051	1,231	1,411	1,592	1,772	1,952	2,132	2,313	2,493
4	53%	520	704	887	1,071	1,255	1,439	1,622	1,806	1,990	2,173	2,357	2,541
5	54%	530	717	904	1,091	1,278	1,466	1,653	1,840	2,027	2,214	2,402	2,589
6	55%	539	730	921	1,111	1,302	1,493	1,683	1,874	2,065	2,255	2,446	2,637
7	56%	549	743	938	1,132	1,326	1,520	1,714	1,908	2,102	2,296	2,491	2,685
8	57%	559	757	954	1,152	1,349	1,547	1,745	1,942	2,140	2,337	2,535	2,733
9	58%	569	770	971	1,172	1,373	1,574	1,775	1,976	2,177	2,378	2,580	2,781
10	59%	579	783	988	1,192	1,397	1,601	1,806	2,010	2,215	2,419	2,624	2,829
11	60%	589	797	1,005	1,213	1,421	1,629	1,837	2,045	2,253	2,461	2,669	2,877
12	61%	598	810	1,021	1,233	1,444	1,656	1,867	2,079	2,290	2,502	2,713	2,924
13	62%	608	823	1,038	1,253	1,468	1,683	1,898	2,113	2,328	2,543	2,757	2,972
14	63%	618	836	1,055	1,273	1,492	1,710	1,928	2,147	2,365	2,584	2,802	3,020
15	64%	628	850	1,071	1,293	1,515	1,737	1,959	2,181	2,403	2,625	2,846	3,068
16	65%	638	863	1,088	1,314	1,539	1,764	1,990	2,215	2,440	2,666	2,891	3,116
17	66%	647	876	1,105	1,334	1,563	1,791	2,020	2,249	2,478	2,707	2,935	3,164
18	67%	657	889	1,122	1,354	1,586	1,818	2,051	2,283	2,515	2,748	2,980	3,212
19	68%	667	903	1,138	1,374	1,610	1,846	2,081	2,317	2,553	2,789	3,024	3,260
20	69%	677	916	1,155	1,394	1,634	1,873	2,112	2,351	2,590	2,830	3,069	3,308
21	70%	687	929	1,172	1,415	1,657	1,900	2,143	2,385	2,628	2,871	3,113	3,356
22	71%	696	943	1,189	1,435	1,681	1,927	2,173	2,419	2,665	2,912	3,158	3,404
23	72%	706	956	1,205	1,455	1,705	1,954	2,204	2,453	2,703	2,953	3,202	3,452
24	73%	716	969	1,222	1,475	1,728	1,981	2,234	2,487	2,741	2,994	3,247	3,500
25	74%	726	982	1,239	1,495	1,752	2,008	2,265	2,522	2,778	3,035	3,291	3,548
26	75%	736	996	1,256	1,516	1,776	2,036	2,296	2,556	2,816	3,076	3,336	3,596
27	76%	745	1,009	1,272	1,536	1,799	2,063	2,326	2,590	2,853	3,117	3,380	3,644
28	77%	755	1,022	1,289	1,556	1,823	2,090	2,357	2,624	2,891	3,158	3,425	3,692
29	78%	765	1,035	1,306	1,576	1,847	2,117	2,387	2,658	2,928	3,199	3,469	3,739
30	79%	775	1,049	1,323	1,596	1,870	2,144	2,418	2,692	2,966	3,240	3,514	3,787
31	80%	785	1,062	1,339	1,617	1,894	2,171	2,449	2,726	3,003	3,281	3,558	3,835
32	81%	794	1,075	1,356	1,637	1,918	2,198	2,479	2,760	3,041	3,322	3,602	3,883
33	82%	804	1,089	1,373	1,657	1,941	2,226	2,510	2,794	3,078	3,363	3,647	3,931
34	83%	814	1,102	1,390	1,677	1,965	2,253	2,540	2,828	3,116	3,404	3,691	3,979
35	84%	824	1,115	1,406	1,698	1,989	2,280	2,571	2,862	3,154	3,445	3,736	4,027
36	85%	834	1,128	1,423	1,718	2,012	2,307	2,602	2,896	3,191	3,486	3,780	4,075

Note. Cells within columns labeled 1 thru 12 show the monthly income upper limit.

Reduced payments

The previous table (Table 20) provides the information on the percentage that a family will pay for child care services according to their annual income and the number of family members. Tables 21 thru 24 show the copayments assigned to families according to the corresponding percentage and whether the child care facility is a **center** or a **licensed home**, the service is **part-time** or **full-time**, and the population to which the child belongs (Infants/Toddlers, Preschoolers, School-age, Special Needs).

The copayment assigned to families is computed in steps of equal magnitude. The first step is the one corresponding to 50%. At this step there is no family copayment, for the family's income is at 50% of the median. The other steps are the ones for 55%, 60%, 65%, 70%, 75%, 80%, and 85%.

The rates found in the Market Rate Survey are used to compute the steps related to a family's copayment. Let us take, as an example, the child care rate found for a center that offer full-time services to Infants/Toddlers. The full-time monthly rate is \$351 (see Table 21). Multiplying \$351 by 35% (difference between 85% and 50%) one obtains \$122.85. Since one wants to compute the steps from 55% to 85% (seven steps), divide \$122.85 by 7 obtaining \$17.55. The amount of \$17.55 goes in step 55% (the second step). Keep adding \$17.55 to the previous result to obtain consecutive steps until reaching the last step (\$35.10, \$52.65, \$70.20, \$87.75, \$105.30, and \$122.85).

Table 21.

Infants/toddlers child care rates

CENTERS - INFANTS/TODDLERS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$325.00	\$0.00	\$351.00
51% - 55%	16.25	308.75	17.55	333.45
56% - 60%	32.50	292.50	35.10	315.90
61% - 65%	48.75	276.25	52.65	298.35
66% - 70%	65.00	260.00	70.20	280.80
71% - 75%	81.25	243.75	87.75	263.25
76% - 80%	97.50	227.50	105.30	245.70
81% - 85%	113.75	211.25	122.85	228.15

HOMES - INFANTS/TODDLERS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$191.00	\$0.00	\$270.00
51% - 55%	9.55	181.45	13.50	256.50
56% - 60%	19.10	171.90	27.00	243.00
61% - 65%	28.65	162.35	40.50	229.50
66% - 70%	38.20	152.80	54.00	216.00
71% - 75%	47.75	143.25	67.50	202.50
76% - 80%	57.30	133.70	81.00	189.00
81% - 85%	66.85	124.15	94.50	175.50

Table 22.

Preschoolers' child care rates

CENTERS - PRESCHOOLERS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$325.00	\$0.00	\$338.00
51% - 55%	16.25	308.75	16.90	321.10
56% - 60%	32.50	292.50	33.80	304.20
61% - 65%	48.75	276.25	50.70	287.30
66% - 70%	65.00	260.00	67.60	270.40
71% - 75%	81.25	243.75	84.50	253.50
76% - 80%	97.50	227.50	101.40	236.60
81% - 85%	113.75	211.25	118.30	219.70

HOMES - PRESCHOOLERS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$182.00	\$0.00	\$264.00
51% - 55%	9.10	172.90	13.20	250.80
56% - 60%	18.20	163.80	26.40	237.60
61% - 65%	27.30	154.70	39.60	224.40
66% - 70%	36.40	145.60	52.80	211.20
71% - 75%	45.50	136.50	66.00	198.00
76% - 80%	54.60	127.40	79.20	184.80
81% - 85%	63.70	118.30	92.40	171.60

Table 23.

School-age child care rates

CENTERS - SCHOOL-AGE		
Part-time Monthly Rates		
	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$258.00
51% - 55%	12.90	245.10
56% - 60%	25.80	232.20
61% - 65%	38.70	219.30
66% - 70%	51.60	206.40
71% - 75%	64.50	193.50
76% - 80%	77.40	180.60
81% - 85%	90.30	167.70

HOMES - SCHOOL-AGE		
Part-time Monthly Rates		
	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$220.00
51% - 55%	11.00	209.00
56% - 60%	22.00	198.00
61% - 65%	33.00	187.00
66% - 70%	44.00	176.00
71% - 75%	55.00	165.00
76% - 80%	66.00	154.00
81% - 85%	77.00	143.00

Table 24.

Special needs child care rates

CENTERS - SPECIAL NEEDS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$216.00	\$0.00	\$351.00
51% - 55%	10.80	205.20	17.55	333.45
56% - 60%	21.60	194.40	35.10	315.90
61% - 65%	32.40	183.60	52.65	298.35
66% - 70%	43.20	172.80	70.20	280.80
71% - 75%	54.00	162.00	87.75	263.25
76% - 80%	64.80	151.20	105.30	245.70
81% - 85%	75.60	140.40	122.85	228.15

HOMES - SPECIAL NEEDS				
	Part-time Monthly Rates		Full-time Monthly Rates	
	Family Copayment	ACUDEN	Family Copayment	ACUDEN
00% - 50%	\$0.00	\$164.00	\$0.00	\$260.00
51% - 55%	8.20	155.80	13.00	247.00
56% - 60%	16.40	147.60	26.00	234.00
61% - 65%	24.60	139.40	39.00	221.00
66% - 70%	32.80	131.20	52.00	208.00
71% - 75%	41.00	123.00	65.00	195.00
76% - 80%	49.20	114.80	78.00	182.00
81% - 85%	57.40	106.60	91.00	169.00

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APPENDIX A
CENTERS AND LICENSED HOMES RATES DIVIDED BY ZONE
(URBAN OR RURAL)

CENTERS LOCATED IN URBAN AREAS

Table 25.

Special needs child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	73	73	73	73
Mean	292.17	294.44	304.93	326.98
Std. Error of Mean	9.88	14.25	13.64	14.03
Median	300.00	272.73	300.00	320.00
Std. Deviation	84.38	121.74	116.57	119.85
Percentiles				
75	340.00	319.64	345.00	370.50
80	350.00	349.37	352.00	392.00
85	388.00	385.23	394.50	400.00
90	400.00	404.42	412.00	450.00
95	433.00	532.86	457.50	487.75

Table 20.

Infants and toddlers child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	212	212	212	212
Mean	295.84	282.63	299.51	321.13
Std. Error of Mean	5.40	6.28	5.81	6.25
Median	296.00	270.29	300.00	311.25
Std. Deviation	78.66	91.41	84.67	91.01
Percentiles				
75	338.75	311.55	342.25	368.26
80	350.00	330.43	350.00	385.00
85	370.25	343.80	375.00	400.00
90	389.25	375.00	395.00	425.00
95	425.00	424.14	425.00	465.35

Table 26.

Preschoolers child care centers' rates

Statistics	Unadjusted	A10	A6	A6M
n	236	236	236	236
Mean	282.23	279.61	292.43	314.42
Std. Error of Mean	4.83	6.28	6.05	6.32
Median	281.00	263.64	285.00	300.50
Std. Deviation	74.24	96.44	92.92	97.15
Percentiles				
75	325.00	303.82	325.00	350.00
80	325.89	319.62	329.60	364.20
85	348.90	335.23	350.00	385.00
90	371.50	377.21	380.00	416.00
95	410.75	416.42	425.75	466.05

Table 27.

School-age child care centers' rates

Statistics	Unadjusted	A3	A3M
n	102	102	102
Mean	244.23	134.83	158.51
Std. Error of Mean	9.24	7.82	7.86
Median	250.00	105.11	139.38
Std. Deviation	93.32	78.95	79.42
Percentiles			
75	320.00	183.04	207.75
80	325.00	198.00	225.90
85	340.00	217.26	244.89
90	360.50	258.75	278.90
95	414.25	300.00	324.45

LICENSED HOMES LOCATED IN URBAN AREAS

Table 28.

Special needs child care licensed homes' rates

Statistics	Unadjusted	A10	A6	A6M
n	3	3	3	3
Mean	249.66	211.19	249.66	249.66
Std. Error of Mean	6.07	3.03	6.07	6.07
Median	250.00	208.33	250.00	250.00
Std. Deviation	10.51	5.25	10.51	10.51
Percentiles				
75	.	.	.	.
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Table 29.

Infants and toddlers child care licensed homes' rates

Statistics	Unadjusted	A10	A6	A6M
n	24	24	24	24
Mean	264.37	259.05	264.37	264.37
Std. Error of Mean	7.09	10.14	7.09	7.09
Median	260.71	253.38	260.71	260.71
Std. Deviation	34.75	49.67	34.75	34.75
Percentiles				
75	270.00	297.42	270.00	270.00
80	282.44	304.17	282.44	282.44
85	301.04	318.49	301.04	301.04
90	325.89	336.76	325.89	325.89
95	347.61	356.90	347.62	347.62

=====
 Note. The sample did not include Preschool or School-age Child Care Homes located in Urban Areas.
 =====

CENTERS LOCATED IN RURAL AREAS

Table 30.

Special Needs Child Care Centers' Rates

Statistics	Unadjusted	A10	A6	A6M
n	38	38	38	38
Mean	293.39	302.51	293.39	311.59
Std. Error of Mean	11.94	21.24	11.94	11.81
Median	282.22	263.69	282.22	305.97
Std. Deviation	73.62	130.92	73.62	72.79
Percentiles				
75	316.00	317.53	316.00	331.25
80	319.20	336.89	319.20	343.66
85	325.13	371.29	325.13	348.63
90	346.20	402.88	346.20	357.35
95	500.25	469.12	500.25	540.15

Table 31.

Infants and Toddlers Child Care Centers' Rates

Statistics	Unadjusted	A10	A6	A6M
n	74	74	74	74
Mean	275.28	268.24	275.28	295.42
Std. Error of Mean	6.08	5.65	6.08	6.34
Median	275.00	260.71	275.00	291.50
Std. Deviation	52.27	48.62	52.27	54.55
Percentiles				
75	300.00	300.00	300.00	323.25
80	320.00	309.52	320.00	338.89
85	325.00	314.97	325.00	346.13
90	334.45	332.64	334.45	354.09
95	370.76	359.01	370.76	379.84

Table 32.

Preschoolers Child Care Centers' Rates

Statistics	Unadjusted	A10	A6	A6M
n	83	83	83	83
Mean	262.71	260.47	262.71	283.47
Std. Error of Mean	5.67	6.35	5.67	5.73
Median	260.71	250.00	260.71	283.00
Std. Deviation	51.64	57.89	51.64	52.16
Percentiles				
75	300.00	296.27	300.00	325.00
80	300.00	307.24	300.00	329.03
85	319.40	314.61	319.40	335.80
90	325.89	347.83	325.89	347.02
95	340.20	368.11	340.20	355.31

Table 33.

School-age Child Care Centers' Rates

Statistics	Unadjusted	A3	A3M
n	39	39	39
Mean	249.45	125.76	153.59
Std. Error of Mean	9.27	11.35	11.49
Median	260.00	97.50	130.23
Std. Deviation	57.86	70.88	71.78
Percentiles			
75	295.00	160.00	185.00
80	300.00	172.50	199.00
85	300.00	187.50	218.50
90	300.00	200.00	220.54
95	369.35	295.00	335.00

LICENSED HOMES LOCATED IN RURAL AREAS

Table 34.

Infants and Toddlers Child Care Homes' Rates

Statistics	Unadjusted	A10	A6	A6M
n	8	8	8	8
Mean	256.99	263.69	256.99	256.99
Std. Error of Mean	12.79	19.34	12.79	12.79
Median	260.71	273.21	260.71	260.71
Std. Deviation	36.17	54.72	36.17	36.17
Percentiles				
75	270.00	297.42	270.00	270.00
80	276.00	307.50	276.00	276.00
85	289.50	324.38	289.50	289.50
90	.	.	.	.
95	.	.	.	.

=====
 Note. The sample did not include Special Needs, Preschool, and School-age Child Care Homes Located in Rural Areas.
 =====

APPENDIX B

CENTERS AND LICENSED HOMES RATES DIVIDED BY REGION

CENTERS WITHIN REGION 1 (AGUADILLA)

Table 35.

Children with Special Needs Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	4	4	4	4
Mean	286.25	440.34	411.67	424.54
Std. Error of Mean	40.18	101.80	106.71	106.54
Median	265.00	382.35	340.00	342.50
Std. Deviation	80.35	203.60	213.41	213.09
Percentiles				
75	370.00	655.15	637.50	649.88
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Table 36.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	14	14	14	14
Mean	240.66	294.80	278.99	299.96
Std. Error of Mean	15.25	41.38	40.49	39.52
Median	250.00	275.00	250.00	275.00
Std. Deviation	57.06	154.82	151.49	147.86
Percentiles				
75	272.50	314.58	285.00	303.13
80	280.00	358.33	300.00	320.00
85	295.00	392.23	332.25	337.25
90	321.50	585.09	554.83	563.08
95	.	.	.	.

Table 37.

Preschool Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	17	17	17	17
Mean	222.22	295.68	283.79	305.99
Std. Error of Mean	13.63	41.89	42.41	42.33
Median	230.00	250.00	250.00	270.00
Std. Deviation	56.21	172.75	174.88	174.54
Percentiles				
75	265.00	297.06	275.00	295.25
80	270.00	334.82	299.60	310.10
85	273.00	474.94	434.30	445.70
90	289.80	697.33	697.33	731.03
95	.	.	.	.

Table 38.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	6	6	6
Mean	170.83	118.64	148.64
Std. Error of Mean	24.44	22.68	23.63
Median	167.50	101.57	131.68
Std. Deviation	59.87	55.56	57.88
Percentiles			
75	227.50	177.00	201.50
80	238.00	189.60	220.40
85	248.50	202.20	239.30
90	.	.	.
95	.	.	.

CENTERS WITHIN REGION 2 (ARECIBO)

Table 39.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	8	8	8	8
Mean	237.08	229.43	237.08	266.46
Std. Error of Mean	27.87	15.64	27.87	25.60
Median	245.00	232.50	245.00	267.50
Std. Deviation	78.84	44.23	78.84	72.41
Percentiles				
75	300.63	253.15	300.63	324.38
80	313.33	263.65	313.33	336.33
85	333.96	286.54	333.96	352.46
90	.	.	.	.
95	.	.	.	.

Table 40.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	19	19	19	19
Mean	236.69	233.05	236.69	258.35
Std. Error of Mean	14.10	9.82	14.10	14.06
Median	240.00	230.00	240.00	253.00
Std. Deviation	61.48	42.81	61.48	61.29
Percentiles				
75	268.00	252.38	268.00	295.00
80	280.00	266.67	280.00	310.00
85	290.00	300.00	290.00	315.00
90	350.00	304.35	350.00	365.00
95	.	.	.	.

Table 41.

Preschoolers' Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	19	19	19	19
Mean	227.21	232.58	227.21	249.79
Std. Error of Mean	11.26	9.28	11.26	10.58
Median	240.00	225.00	240.00	244.00
Std. Deviation	49.07	40.44	49.07	46.13
Percentiles				
75	265.00	253.47	265.00	283.00
80	268.00	260.87	268.00	295.00
85	280.00	266.67	280.00	315.00
90	300.00	300.00	300.00	315.00
95	.	.	.	.

Table 42.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	10	10	10
Mean	183.05	136.82	164.37
Std. Error of Mean	22.53	22.86	20.82
Median	180.00	123.64	156.14
Std. Deviation	71.24	72.29	65.83
Percentiles			
75	196.65	196.65	220.13
80	199.11	199.11	220.43
85	252.50	221.88	240.47
90	335.00	256.25	271.80
95	.	.	.

CENTERS WITHIN REGION 3 (BAYAMÓN)

Table 43.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	21	21	21	21
Mean	318.62	320.21	339.09	354.04
Std. Error of Mean	14.40	34.23	29.27	30.64
Median	300.00	266.67	300.00	315.00
Std. Deviation	66.003	156.88	133.98	140.42
Percentiles				
75	365.00	335.38	365.00	387.50
80	382.00	368.82	382.00	396.00
85	393.50	387.94	393.50	417.50
90	423.00	592.06	439.00	445.00
95	448.00	838.29	819.00	850.50

Table 44.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	49	49	49	49
Mean	312.29	289.32	312.29	329.90
Std. Error of Mean	9.54	12.29	9.54	10.54
Median	300.00	270.83	300.00	315.00
Std. Deviation	66.77	86.03	66.77	73.79
Percentiles				
75	361.50	320.83	361.50	385.50
80	375.00	330.43	375.00	400.00
85	380.00	342.33	380.00	410.00
90	395.00	350.00	395.00	425.00
95	425.00	540.28	425.00	460.00

Table 45.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	54	54	54	54
Mean	300.46	285.49	310.27	328.82
Std. Error of Mean	7.66	13.25	11.75	12.09
Median	290.00	260.87	293.50	308.50
Std. Deviation	56.31	97.35	86.35	88.82
Percentiles				
75	325.00	297.00	326.00	361.25
80	330.00	316.67	350.00	366.00
85	365.00	330.08	373.75	396.25
90	377.50	374.42	380.00	413.50
95	422.50	527.08	442.50	477.50

Table 46.

School Children Center Rates

Statistics	Unadjusted	A3	A3M
n	24	24	24
Mean	288.17	126.51	148.36
Std. Error of Mean	12.34	13.35	13.63
Median	281.00	106.01	141.68
Std. Deviation	60.43	65.39	66.79
Percentiles			
75	336.25	165.00	182.94
80	350.00	169.20	195.00
85	350.00	203.46	222.21
90	362.50	245.68	263.18
95	416.25	290.63	310.63

CENTERS WITHIN REGION 4 (CAGUAS)

Table 47.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	8	8	8	8
Mean	314.33	296.63	314.33	339.56
Std. Error of Mean	10.09	19.15	10.09	6.23
Median	325.45	291.05	325.45	344.85
Std. Deviation	28.54	54.16	28.54	17.61
Percentiles				
75	325.89	324.07	325.89	350.04
80	329.31	346.42	329.31	351.79
85	337.01	375.85	337.01	353.82
90	.	.	.	.
95	.	.	.	.

Table 48.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	29	29	29	29
Mean	315.92	279.59	315.92	337.32
Std. Error of Mean	14.79	13.88	14.79	15.61
Median	325.89	290.00	325.89	350.00
Std. Deviation	79.65	74.73	79.65	84.04
Percentiles				
75	359.50	321.67	359.50	374.67
80	369.35	335.77	369.35	380.00
85	372.17	338.98	372.17	399.17
90	380.00	340.06	380.00	421.07
95	433.04	391.62	433.04	474.25

Table 49.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	35	35	35	35
Mean	300.94	272.96	300.94	324.77
Std. Error of Mean	11.353	12.03	11.35	11.80
Median	319.00	287.50	319.00	330.00
Std. Deviation	67.16	71.19	67.16	69.82
Percentiles				
75	329.00	300.00	329.00	363.00
80	344.60	312.62	344.60	373.87
85	349.20	328.13	349.20	380.00
90	369.35	350.26	369.35	393.74
95	382.21	401.58	382.21	403.81

Table 50.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	15	15	15
Mean	289.44	149.61	180.04
Std. Error of Mean	13.48	24.26	23.24
Median	300.00	100.73	158.26
Std. Deviation	52.20	93.94	90.02
Percentiles			
75	325.00	216.00	216.00
80	325.71	283.20	303.60
85	351.96	300.00	328.20
90	369.35	310.20	338.00
95	.	.	.

CENTERS WITHIN REGION 5 (CAROLINA)

Table 51.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	19	19	19	19
Mean	293.92	278.92	293.92	314.13
Std. Error of Mean	11.84	15.86	11.84	14.43
Median	282.44	260.00	282.44	301.94
Std. Deviation	51.61	69.14	51.61	62.88
Percentiles				
75	325.00	302.22	325.00	342.00
80	340.00	347.83	340.00	376.00
85	340.00	355.56	340.00	400.00
90	400.00	371.43	400.00	427.50
95	.	.	.	.

Table 52.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	44	44	44	44
Mean	289.16	254.90	289.16	307.26
Std. Error of Mean	8.28	7.99	8.28	9.26
Median	285.00	245.83	285.00	305.00
Std. Deviation	54.89	53.03	54.89	61.41
Percentiles				
75	325.00	282.61	325.00	342.50
80	325.00	282.61	325.00	347.50
85	350.00	294.31	350.00	379.25
90	365.00	317.39	365.00	388.50
95	395.00	359.54	395.00	420.63

Table 53.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	50	50	50	50
Mean	275.00	251.76	275.00	292.69
Std. Error of Mean	7.69	8.39	7.69	8.27
Median	280.00	245.83	280.00	300.00
Std. Deviation	54.36	59.31	54.36	58.46
Percentiles				
75	300.00	266.67	300.00	320.00
80	300.00	273.68	300.00	333.00
85	318.50	289.47	318.50	340.70
90	340.00	327.83	340.00	349.50
95	389.00	378.48	389.00	412.38

Table 54.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	26	26	26
Mean	243.01	163.53	177.59
Std. Error of Mean	18.32	14.56	14.84
Median	250.00	144.11	166.75
Std. Deviation	93.41	74.25	75.65
Percentiles			
75	303.75	219.19	245.03
80	321.60	236.57	251.60
85	339.30	249.71	278.25
90	390.50	286.00	305.55
95	427.35	316.90	323.38

CENTERS WITHIN REGION 6 (GUAYAMA)

Table 55.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	11	11	11	11
Mean	268.85	264.19	268.85	283.98
Std. Error of Mean	10.19	8.78	10.19	8.93
Median	260.71	260.71	260.71	275.00
Std. Deviation	33.81	29.12	33.81	29.62
Percentiles				
75	300.00	292.86	300.00	313.00
80	300.00	297.14	300.00	320.74
85	305.18	302.50	305.18	326.21
90	320.71	310.00	320.71	327.18
95	.	.	.	.

Table 56.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	14	14	14	14
Mean	269.79	261.05	269.79	282.72
Std. Error of Mean	7.27	6.78	7.27	6.72
Median	270.36	256.64	270.36	279.97
Std. Deviation	27.19	25.37	27.19	25.13
Percentiles				
75	296.25	277.76	296.25	302.50
80	300.00	292.86	300.00	310.00
85	300.00	298.21	300.00	312.25
90	300.00	306.25	300.00	320.25
95	.	.	.	.

Table 57.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	14	14	14	14
Mean	260.03	258.82	260.03	273.14
Std. Error of Mean	8.29	7.40	8.29	7.86
Median	260.36	255.53	260.36	267.36
Std. Deviation	31.00	27.70	31.00	29.41
Percentiles				
75	280.61	280.80	280.61	295.00
80	282.44	287.50	282.44	310.00
85	291.86	296.88	291.86	312.25
90	310.45	306.25	310.45	319.45
95	.	.	.	.

Table 58.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	5	5	5
Mean	198.14	141.47	153.37
Std. Error of Mean	36.17	64.88	70.47
Median	220.00	82.50	82.50
Std. Deviation	80.88	145.07	157.57
Percentiles			
75	255.36	246.88	264.38
80	258.57	338.75	366.75
85	.	.	.
90	.	.	.
95	.	.	.

CENTERS WITHIN REGION 7 (HUMACAO)

Table 59.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	7	7	7	7
Mean	295.31	300.98	295.31	314.02
Std. Error of Mean	15.01	28.89	15.01	13.71
Median	295.00	256.76	295.00	313.00
Std. Deviation	39.71	76.45	39.71	36.27
Percentiles				
75	300.00	368.75	300.00	335.00
80	330.00	397.72	330.00	351.00
85	360.00	426.69	360.00	367.00
90	.	.	.	.
95	.	.	.	.

Table 60.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	15	15	15	15
Mean	272.42	286.47	272.42	295.96
Std. Error of Mean	9.51	10.85	9.51	8.62
Median	276.00	296.27	276.00	301.00
Std. Deviation	36.84	42.04	36.84	33.38
Percentiles				
75	300.00	313.82	300.00	330.00
80	300.00	323.48	300.00	334.00
85	315.54	325.89	315.54	335.54
90	325.89	343.04	325.89	337.09
95	.	.	.	.

Table 61.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	16	16	16	16
Mean	273.72	289.63	273.72	296.56
Std. Error of Mean	9.51	12.38	9.51	8.12
Median	279.22	279.54	279.22	296.72
Std. Deviation	38.03	49.53	38.03	32.47
Percentiles				
75	300.00	312.96	300.00	325.75
80	300.00	321.06	300.00	333.00
85	311.65	345.18	311.65	336.75
90	333.13	381.65	333.13	342.23
95	.	.	.	.

Table 62.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	12	12	12
Mean	201.94	139.01	163.51
Std. Error of Mean	20.67	19.08	20.26
Median	208.63	127.50	144.00
Std. Deviation	71.61	66.11	70.19
Percentiles			
75	258.04	168.48	210.00
80	274.43	190.40	222.00
85	295.25	221.15	232.65
90	298.50	271.68	302.68
95	.	.	.

CENTERS WITHIN REGION 8 (MAYAGUEZ)

Table 63.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	13	13	13	13
Mean	266.51	273.49	266.51	291.16
Std. Error of Mean	30.04	29.19	30.04	31.61
Median	275.00	285.71	275.00	310.00
Std. Deviation	108.31	105.28	108.31	113.99
Percentiles				
75	312.50	342.26	312.50	339.69
80	325.18	381.47	325.18	342.21
85	325.80	404.13	325.80	346.84
90	427.36	426.95	427.36	461.20
95	.	.	.	.

Table 64.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	24	24	24	24
Mean	268.29	271.69	278.29	301.97
Std. Error of Mean	15.08	16.34	15.27	16.41
Median	275.00	271.66	277.50	303.50
Std. Deviation	73.88	80.05	74.82	80.39
Percentiles				
75	300.00	307.14	300.00	337.00
80	300.00	315.79	300.00	340.89
85	306.25	381.25	325.22	348.83
90	325.45	403.68	362.95	384.40
95	452.72	431.84	471.25	506.75

Table 65.

Preschoolers Center Rates

Statistics	Unadjusted	A10	MA6	A6M
n	28	28	28	28
Mean	246.49	266.54	261.77	284.88
Std. Error of Mean	13.59	15.12	13.55	13.96
Median	255.36	275.25	267.50	287.50
Std. Deviation	71.93	80.01	71.71	73.86
Percentiles				
75	300.00	311.76	300.00	335.88
80	300.00	322.63	302.50	339.00
85	300.00	357.87	320.63	345.23
90	325.10	377.50	328.40	355.52
95	339.20	404.13	377.50	399.80

Table 66.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	15	15	15
Mean	217.48	98.08	123.84
Std. Error of Mean	19.48	12.76	14.38
Median	217.26	90.00	120.00
Std. Deviation	75.45	49.40252	55.68
Percentiles			
75	295.00	130.36	145.36
80	299.00	154.07	188.27
85	300.00	172.00	202.60
90	308.00	186.00	216.40
95	.	.	.

CENTERS WITHIN REGION 9 (PONCE)

Table 67.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	7	7	7	7
Mean	266.00	276.33	266.00	276.71
Std. Error of Mean	19.09	18.52	19.09	17.35
Median	280.00	254.55	280.00	280.00
Std. Deviation	50.53	49.00	50.53	45.90
Percentiles				
75	316.00	332.63	316.00	316.00
80	316.00	340.02	316.00	317.60
85	316.00	347.42	316.00	319.20
90	.	.	.	.
95	.	.	.	.

Table 68.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	32	32	32	32
Mean	271.51	268.23	271.51	285.37
Std. Error of Mean	9.52	8.19	9.52	10.51
Median	280.00	260.79	280.00	280.00
Std. Deviation	53.83	46.31	53.83	59.46
Percentiles				
75	300.00	298.86	300.00	320.00
80	312.00	300.00	312.00	325.40
85	325.00	325.14	325.00	343.60
90	337.60	332.68	337.60	369.00
95	378.50	372.84	378.50	408.75

Table 69.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	39	39	39	39
Mean	257.54	270.12	267.93	281.88
Std. Error of Mean	9.64	14.23	14.41	14.89
Median	260.71	260.71	260.71	266.71
Std. Deviation	60.21	88.87	89.98	92.99
Percentiles				
75	300.00	306.72	300.00	320.00
80	300.00	327.78	300.00	321.20
85	310.00	333.33	325.00	329.00
90	329.00	346.32	329.00	355.00
95	350.00	368.42	385.00	425.00

Table 70.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	6	6	6
Mean	272.48	155.89	172.97
Std. Error of Mean	42.12	59.59	60.01
Median	285.00	80.04	97.88
Std. Deviation	103.18	145.98	146.99
Percentiles			
75	333.63	260.51	276.76
80	380.71	341.71	359.71
85	427.79	422.92	442.67
90	.	.	.
95	.	.	.

CENTERS WITHIN REGION 10 (SAN JUAN)

Table 71.

Special Needs Children Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	13	13	13	13
Mean	330.32	345.63	330.32	362.79
Std. Error of Mean	40.13	61.29	40.13	40.32
Median	325.00	300.00	325.00	377.50
Std. Deviation	144.67	221.00	144.67	145.37
Percentiles				
75	432.50	397.92	432.50	473.50
80	447.00	404.00	447.00	483.50
85	471.50	418.00	471.50	513.25
90	550.00	768.00	550.00	567.00
95	.	.	.	.

Table 72.

Infants and Toddlers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	46	46	46	46
Mean	327.08	318.59	327.08	360.62
Std. Error of Mean	14.33	16.54	14.33	15.63
Median	325.00	304.35	325.00	351.00
Std. Deviation	97.19	112.16	97.19	106.03
Percentiles				
75	391.25	370.92	391.25	440.63
80	423.00	392.05	423.00	455.50
85	425.00	405.94	425.00	465.95
90	436.50	454.43	436.50	492.00
95	491.25	598.42	491.25	538.63

Table 73.

Preschoolers Center Rates

Statistics	Unadjusted	A10	A6	A6M
n	47	47	47	47
Mean	315.78	305.24	315.78	350.77
Std. Error of Mean	13.63	14.93	13.63	14.66
Median	320.00	286.96	320.00	342.00
Std. Deviation	93.44	102.34	93.44	100.52
Percentiles				
75	370.00	361.11	370.00	416.00
80	385.00	383.96	385.00	431.00
85	422.00	399.17	422.00	459.00
90	436.00	416.16	436.00	490.50
95	478.00	556.69	478.00	523.80

Table 74.

School-age Children Center Rates

Statistics	Unadjusted	A3	A3M
n	22	22	22
Mean	268.05	102.85	141.79
Std. Error of Mean	19.83	10.86	12.16
Median	280.00	85.25	138.91
Std. Deviation	93.00	51.01	57.04
Percentiles			
75	327.50	129.75	160.30
80	347.00	159.60	188.99
85	370.50	178.68	232.58
90	399.50	185.42	248.94
95	431.25	221.91	256.69

LICENSED HOMES WITHIN REGION 1 (AGUADILLA)

Table 75.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	5	5	5	5
Mean	235.36	242.42	235.36	235.36
Std. Error of Mean	17.81	30.09	17.81	17.81
Median	255.00	283.33	255.00	255.00
Std. Deviation	39.83	67.29	39.83	39.83
Percentiles				
75	265.36	294.84	265.36	265.36
80	268.14	297.94	268.14	268.14
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 1 (Aguadilla).

LICENSED HOMES WITHIN REGION 2 (ARECIBO)

Table 76.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	1	1	1	1
Mean	260.71	289.68	260.71	260.71
Median	260.71	289.68	260.71	260.71
Percentiles				
75	260.71	289.68	260.71	260.71
80	260.71	289.68	260.71	260.71
85	260.71	289.68	260.71	260.71
90	260.71	289.68	260.71	260.71
95	260.71	289.68	260.71	260.71

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 2 (Arecibo).

LICENSED HOMES WITHIN REGION 3 (BAYAMÓN)

Table 77.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	5	5	5	5
Mean	279.95	271.91	279.95	279.95
Std. Error of Mean	21.87	29.88	21.87	21.87
Median	270.00	300.00	270.00	270.00
Std. Deviation	48.89	66.82	48.89	48.89
Percentiles				
75	325.89	325.89	325.89	325.89
80	338.93	338.93	338.93	338.93
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 3 (Bayamón).

LICENSED HOMES WITHIN REGION 4 (CAGUAS)

Table 78.

Special Needs Children Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	1	1	1	1
Mean	260.00	208.00	260.00	260.00
Median	260.00	208.00	260.00	260.00
Percentiles				
75	260.00	208.00	260.00	260.00
80	260.00	208.00	260.00	260.00
85	260.00	208.00	260.00	260.00
90	260.00	208.00	260.00	260.00
95	260.00	208.00	260.00	260.00

Table 79.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	5	5	5	5
Mean	274.01	269.76	274.01	274.01
Std. Error of Mean	23.45	30.17	23.45	23.45
Median	270.00	256.76	270.00	270.00
Std. Deviation	52.44	67.47	52.44	52.44
Percentiles				
75	315.03	338.01	315.03	315.03
80	334.58	351.20	334.58	334.58
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Preschoolers and School-age children within Region 4 (Caguas).

LICENSED HOMES WITHIN REGION 5 (CAROLINA)

Table 80.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	2	2	2	2
Mean	270.00	303.75	270.00	270.00
Std. Error of Mean	.00	33.75	.00	.00
Median	270.00	303.75	270.00	270.00
Std. Deviation	.00	47.73	.00	.00
Percentiles				
75	270.00	.	270.00	270.00
80	270.00	.	270.00	270.00
85	270.00	.	270.00	270.00
90	270.00	.	270.00	270.00
95	270.00	.	270.00	270.00

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 5 (Carolina).

LICENSED HOMES WITHIN REGION 6 (GUAYAMA)

Table 81.

Infants and Toddlers Licensed Homes Rates

Statistics		Unadjusted	A10	A6	A6M
n		1	1	1	1
Mean		300.00	272.73	300.00	300.00
Median		300.00	272.73	300.00	300.00
Percentiles	75	300.00	272.73	300.00	300.00
	80	300.00	272.73	300.00	300.00
	85	300.00	272.73	300.00	300.00
	90	300.00	272.73	300.00	300.00
	95	300.00	272.73	300.00	300.00

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 6 (Guayama).

LICENSED HOMES WITHIN REGION 7 (HUMACAO)

Table 82.

Special Needs Children Licensed Homes Rates

Statistics		Unadjusted	A10	A6	A6M
n		1	1	1	1
Mean		238.99	217.26	238.99	238.99
Median		238.99	217.26	238.99	238.99
Percentiles	75	238.99	217.26	238.99	238.99
	80	238.99	217.26	238.99	238.99
	85	238.99	217.26	238.99	238.99
	90	238.99	217.26	238.99	238.99
	95	238.99	217.26	238.99	238.99

Table 83.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	2	2	2	2
Mean	249.49	245.47	249.49	249.49
Std. Error of Mean	10.51	28.21	10.51	10.51
Median	249.49	245.47	249.49	249.49
Std. Deviation	14.86	39.89	14.86	14.86
Percentiles				
75	.	.	.	.
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Preschoolers and School-age children within Region 7 (Humacao).

LICENSED HOMES WITHIN REGION 8 (MAYAGUEZ)

Table 84.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	4	4	4	4
Mean	252.86	239.14	252.86	252.86
Std. Error of Mean	4.97	9.89	4.97	4.97
Median	255.36	239.29	255.36	255.36
Std. Deviation	9.95	19.78	9.95	9.95
Percentiles				
75	260.71	258.04	260.71	260.71
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 8 (Mayaguez).

LICENSED HOMES WITHIN REGION 9 (PONCE)

Table 85.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	3	3	3	3
Mean	257.14	258.50	257.14	257.14
Std. Error of Mean	3.57	11.82	3.57	3.57
Median	260.71	260.71	260.71	260.71
Std. Deviation	6.19	20.47	6.19	6.19
Percentiles				
75	.	.	.	.
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Special Needs, Preschoolers, and School-age children within Region 9 (Ponce).

LICENSED HOMES WITHIN REGION 10 (SAN JUAN)

Table 86.

Special Needs Children Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	1	1	1	1
Mean	250.00	208.33	250.00	250.00
Median	250.00	208.33	250.00	250.00
Percentiles				
75	250.00	208.33	250.00	250.00
80	250.00	208.33	250.00	250.00
85	250.00	208.33	250.00	250.00
90	250.00	208.33	250.00	250.00
95	250.00	208.33	250.00	250.00

Table 87.

Infants and Toddlers Licensed Homes Rates

Statistics	Unadjusted	A10	A6	A6M
n	4	4	4	4
Mean	267.93	253.39	267.93	267.93
Std. Error of Mean	10.99	25.53	10.99	10.99
Median	260.86	239.67	260.86	260.86
Std. Deviation	21.99	51.06	21.99	21.99
Percentiles				
75	290.25	306.56	290.25	290.25
80	.	.	.	.
85	.	.	.	.
90	.	.	.	.
95	.	.	.	.

Note. The sample did not include licensed homes that provided services to Preschoolers and School-age children within Region 10 (San Juan).

APPENDIX C

SPSS SYNTAX TO COMPUTE UNADJUSTED RATES

COMMENT File name Compute rates.

COMMENT This syntax computes hourly, daily, weekly and monthly rates for all three populations
NNE, InfMat, Pre and Esc.

USE ALL.

COMMENT Special Needs children.

IF (NNE_Tipo_Tarifa = "D") NNE_H=NNE_Tarifa / NNE_Horas_Servicio.
EXECUTE.

IF (NNE_Tipo_Tarifa = "S") NNE_H=NNE_Tarifa / (NNE_Horas_Servicio * 5).
EXECUTE.

IF (NNE_Tipo_Tarifa = "M") NNE_H=NNE_Tarifa / (NNE_Horas_Servicio * 21.72619).
EXECUTE.

IF (NNE_Tipo_Tarifa = "D") NNE_D=NNE_Tarifa.
EXECUTE.

IF (NNE_Tipo_Tarifa = "S") NNE_D=NNE_Tarifa / 5.
EXECUTE.

IF (NNE_Tipo_Tarifa = "M") NNE_D=NNE_Tarifa / 21.72619.
EXECUTE.

IF (NNE_Tipo_Tarifa = "D") NNE_W=NNE_Tarifa * 5.
EXECUTE.

IF (NNE_Tipo_Tarifa = "S") NNE_W=NNE_Tarifa.
EXECUTE.

IF (NNE_Tipo_Tarifa = "M") NNE_W=NNE_Tarifa / 4.345238.
EXECUTE.

IF (NNE_Tipo_Tarifa = "D") NNE_M=NNE_Tarifa * 21.72619.
EXECUTE.

IF (NNE_Tipo_Tarifa = "S") NNE_M=NNE_Tarifa * 4.345238.
EXECUTE.

IF (NNE_Tipo_Tarifa = "M") NNE_M=NNE_Tarifa.
EXECUTE.

COMMENT Infants and Toddlers.

IF (InfMat_Tipo_Tarifa = "D") InfMat_H=InfMat_Tarifa / InfMat_Horas_Servicio.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "S") InfMat_H=InfMat_Tarifa / (InfMat_Horas_Servicio * 5).
EXECUTE.

IF (InfMat_Tipo_Tarifa = "M") InfMat_H=InfMat_Tarifa / (InfMat_Horas_Servicio * 21.72619).
EXECUTE.

IF (InfMat_Tipo_Tarifa = "D") InfMat_D=InfMat_Tarifa.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "S") InfMat_D=InfMat_Tarifa / 5.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "M") InfMat_D=InfMat_Tarifa / 21.72619.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "D") InfMat_W=InfMat_Tarifa * 5.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "S") InfMat_W=InfMat_Tarifa.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "M") InfMat_W=InfMat_Tarifa / 4.345238.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "D") InfMat_M=InfMat_Tarifa * 21.72619.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "S") InfMat_M=InfMat_Tarifa * 4.345238.
EXECUTE.

IF (InfMat_Tipo_Tarifa = "M") InfMat_M=InfMat_Tarifa.
EXECUTE.

COMMENT Preschool children.

IF (Pre_Tipo_Tarifa = "D") Pre_H=Pre_Tarifa / Pre_Horas_Servicio.
EXECUTE.

IF (Pre_Tipo_Tarifa = "S") Pre_H=Pre_Tarifa / (Pre_Horas_Servicio * 5).
EXECUTE.

IF (Pre_Tipo_Tarifa = "M") Pre_H=Pre_Tarifa / (Pre_Horas_Servicio * 21.72619).
EXECUTE.

IF (Pre_Tipo_Tarifa = "D") Pre_D=Pre_Tarifa.
EXECUTE.

IF (Pre_Tipo_Tarifa = "S") Pre_D=Pre_Tarifa / 5.
EXECUTE.

IF (Pre_Tipo_Tarifa = "M") Pre_D=Pre_Tarifa / 21.72619.
EXECUTE.

IF (Pre_Tipo_Tarifa = "D") Pre_W=Pre_Tarifa * 5.

EXECUTE.

IF (Pre_Tipo_Tarifa = "S") Pre_W=Pre_Tarifa.
EXECUTE.

IF (Pre_Tipo_Tarifa = "M") Pre_W=Pre_Tarifa / 4.345238.
EXECUTE.

IF (Pre_Tipo_Tarifa = "D") Pre_M=Pre_Tarifa * 21.72619.
EXECUTE.

IF (Pre_Tipo_Tarifa = "S") Pre_M=Pre_Tarifa * 4.345238.
EXECUTE.

IF (Pre_Tipo_Tarifa = "M") Pre_M=Pre_Tarifa.
EXECUTE.

COMMENT School-age children.

IF (Esc_Tipo_Tarifa = "D") Esc_H=Esc_Tarifa / Esc_Horas_Servicio.
EXECUTE.

IF (Esc_Tipo_Tarifa = "S") Esc_H=Esc_Tarifa / (Esc_Horas_Servicio * 5).
EXECUTE.

IF (Esc_Tipo_Tarifa = "M") Esc_H=Esc_Tarifa / (Esc_Horas_Servicio * 21.72619).
EXECUTE.

IF (Esc_Tipo_Tarifa = "D") Esc_D=Esc_Tarifa.
EXECUTE.

IF (Esc_Tipo_Tarifa = "S") Esc_D=Esc_Tarifa / 5.
EXECUTE.

IF (Esc_Tipo_Tarifa = "M") Esc_D=Esc_Tarifa / 21.72619.
EXECUTE.

IF (Esc_Tipo_Tarifa = "D") Esc_W=Esc_Tarifa * 5.
EXECUTE.

IF (Esc_Tipo_Tarifa = "S") Esc_W=Esc_Tarifa.
EXECUTE.

IF (Esc_Tipo_Tarifa = "M") Esc_W=Esc_Tarifa / 4.345238.
EXECUTE.

IF (Esc_Tipo_Tarifa = "D") Esc_M=Esc_Tarifa * 21.72619.
EXECUTE.

IF (Esc_Tipo_Tarifa = "S") Esc_M=Esc_Tarifa * 4.345238.
EXECUTE.

IF (Esc_Tipo_Tarifa = "M") Esc_M=Esc_Tarifa.
EXECUTE.

USE ALL.

APPENDIX D

SPSS SYNTAX TO COMPUTE ADJUSTED RATES

COMMENT File name Compute adjusted monthly rates.

COMMENT This syntax computes monthly fees based on a 10 hour day; computes the A6 and adjusts A6 to include registration costs A6M.

USE ALL.

COMMENT The following line compute a monthly fee based on a 10 hour day.

COMPUTE NNE_MA10=(NNE_D / NNE_Horas_Servicio) * 10 * 21.72619.
EXECUTE.

COMMENT The following lines compute the adjusted rate called A6 and then A6M by adding one tenth of the registration cost only if the registration cost is greater than 0.

IF (NNE_Horas_Servicio >= 6) NNE_MA6=NNE_M.
EXECUTE.

IF (NNE_Horas_Servicio < 6) NNE_MA6=NNE_MA10.
EXECUTE.

IF (NNE_Matricula > 0) NNE_MA6M=NNE_MA6 + (NNE_Matricula / 10).
EXECUTE.

IF (MISSING(NNE_Matricula)) NNE_MA6M=NNE_MA6.
EXECUTE.

COMMENT The rest of the coding lines do what was described above for the other three groups InfMat, Pre and Esc.

COMPUTE InfMat_MA10=(InfMat_D / InfMat_Horas_Servicio) * 10 * 21.72619.
EXECUTE.

IF (InfMat_Horas_Servicio >= 6) InfMat_MA6=InfMat_M.
EXECUTE.

IF (InfMat_Horas_Servicio < 6) InfMat_MA6=InfMat_MA10.
EXECUTE.

IF (InfMat_Matricula > 0) InfMat_MA6M=InfMat_MA6 + (InfMat_Matricula / 10).
EXECUTE.

IF (MISSING(InfMat_Matricula)) InfMat_MA6M=InfMat_MA6.
EXECUTE.

COMPUTE Pre_MA10=(Pre_D / Pre_Horas_Servicio) * 10 * 21.72619.
EXECUTE.

IF (Pre_Horas_Servicio >= 6) Pre_MA6=Pre_M.
EXECUTE.

IF (Pre_Horas_Servicio < 6) Pre_MA6=Pre_MA10.
EXECUTE.

IF (Pre_Matricula > 0) Pre_MA6M=Pre_MA6 + (Pre_Matricula / 10).
EXECUTE.

IF (MISSING(Pre_Matricula)) Pre_MA6M=Pre_MA6.
EXECUTE.

COMMENT To be able to compare School-age results to those from previous years, instead of using
a day of 10 hours one uses a day of three hours, thus using extended hours in
School-age scenarios.

COMPUTE Esc_MA3=(Esc_D / Esc_Horas_Servicio) * 3 * 21.72619.
EXECUTE.

IF (Esc_Matricula > 0) Esc_MA3M=Esc_MA3 + (Esc_Matricula / 10).
EXECUTE.

IF (MISSING(Esc_Matricula)) Esc_MA3M=Esc_MA3.
EXECUTE.

USE ALL.

APPENDIX E

**SPSS SYNTAX TO OBTAIN DESCRIPTIVE STATISTICS DIVIDED BY TYPE
OF CHILD CARE PROVIDER (CENTER OR LICENSED HOME)**

COMMENT Filename Descriptive Statistics; Used to obtain descriptive statistics divided by
type of child care provider - centers and licensed homes.

USE ALL.

```
COMPUTE filter_$=(Tipo = 1).  
VARIABLE LABELS filter_$ 'Tipo = 1 (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMATS filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE.
```

```
FREQUENCIES VARIABLES=Pueblo Region Zona  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=NNE_Numero NNE_Horas_Servicio InfMat_Numero  
InfMat_Horas_Servicio Pre_Numero  
Pre_Horas_Servicio  
/FORMAT=NOTABLE  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=NNE_M NNE_MA10 NNE_MA6 NNE_MA6M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=InfMat_M InfMat_MA10 InfMat_MA6 InfMat_MA6M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=Pre_M Pre_MA10 Pre_MA6 Pre_MA6M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=Esc_M Esc_MA3 Esc_MA3M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

USE ALL.

```
COMPUTE filter_$=((Tipo = 1) & (Esc_Horas_Servicio < 6)).  
VARIABLE LABELS filter_$ '(Tipo = 1) & (Esc_Horas_Servicio < 6) (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMATS filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE.
```

```
FREQUENCIES VARIABLES=Esc_Numero Esc_Horas_Servicio  
/FORMAT=NOTABLE  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=Esc_M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
USE ALL.  
COMPUTE filter_$=(Tipo = 2).  
VARIABLE LABELS filter_$ 'Tipo = 2 (FILTER)'.  
VALUE LABELS filter_$ 0 'Not Selected' 1 'Selected'.  
FORMATS filter_$ (f1.0).  
FILTER BY filter_$.  
EXECUTE.
```

```
FREQUENCIES VARIABLES=Pueblo Region Zona  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=NNE_Numero NNE_Horas_Servicio InfMat_Numero  
InfMat_Horas_Servicio Pre_Numero  
Pre_Horas_Servicio  
/FORMAT=NOTABLE  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=NNE_M NNE_MA10 NNE_MA6 NNE_MA6M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN  
/ORDER=ANALYSIS.
```

```
FREQUENCIES VARIABLES=InfMat_M InfMat_MA10 InfMat_MA6 InfMat_MA6M  
/FORMAT=NOTABLE  
/PERCENTILES=75.0 80.0 85.0 90.0 95.0  
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN
```

/ORDER=ANALYSIS.

FREQUENCIES VARIABLES=Pre_M Pre_MA10 Pre_MA6 Pre_MA6M
/FORMAT=NOTABLE
/PERCENTILES=75.0 80.0 85.0 90.0 95.0
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN
/ORDER=ANALYSIS.

FREQUENCIES VARIABLES=Esc_M Esc_MA3 Esc_MA3M
/FORMAT=NOTABLE
/PERCENTILES=75.0 80.0 85.0 90.0 95.0
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN
/ORDER=ANALYSIS.

USE ALL.
COMPUTE filter_\$=((Tipo = 2) & (Esc_Horas_Servicio < 6)).
VARIABLE LABELS filter_\$ '(Tipo = 2) & (Esc_Horas_Servicio < 6) (FILTER)'.
VALUE LABELS filter_\$ 0 'Not Selected' 1 'Selected'.
FORMATS filter_\$ (f1.0).
FILTER BY filter_\$.
EXECUTE.

FREQUENCIES VARIABLES=Esc_Numero Esc_Horas_Servicio
/FORMAT=NOTABLE
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN
/ORDER=ANALYSIS.

FREQUENCIES VARIABLES=Esc_M
/FORMAT=NOTABLE
/PERCENTILES=75.0 80.0 85.0 90.0 95.0
/STATISTICS=STDDEV SEMEAN MEAN MEDIAN
/ORDER=ANALYSIS.

USE ALL.