2024 Child Restraint Survey
Final Report

Prepared for:
Florida Department of Transportation
State Safety Office

Prepared by:
Preusser Research Group, Inc.

June 2024

This report was prepared for the FDOT State Safety Office, Department of Transportation, State of Florida, in cooperation with the National Highway Traffic Safety Administration, U.S. Department of Transportation and/or Federal Highway Administration, U.S. Department of Transportation. The conclusions and opinions expressed in these reports are those of the sub-recipient and do not necessarily represent those of the FDOT State Safety office, Department of Transportation, State of Florida, and/or Federal Highway Administration, U.S. Department of Transportation, or any other agency of the State or Federal Government.

Protecting Children Riding in Passenger Vehicles

Child safety seats have been shown to reduce fatal injury by 71 percent for infants (under 1-year old) and by 54 percent for toddlers (1 through 3 years old) in passenger cars. The corresponding reductions in light trucks are 58 percent and 59 percent, respectively. Among children under 5 years old, an estimated 352 lives were saved nationwide in 2017 by restraint use (National Highway Traffic Safety Administration [NHTSA], 2019).

Data also shows that older children and adults alike are far more likely to survive a severe crash with less injury when wearing a safety belt (Centers for Disease Control [CDC], 2017).

Florida's Child Restraint Laws

Florida law (Florida Statute 316.613) requires that children 5 years of age or younger must be properly restrained no matter where they are sitting in the vehicle. Children through age 3 must be secured in a separate carrier or a vehicle manufacturer's integrated child safety seat. For children ages 4 through 5 years, a separate carrier, an integrated child safety seat, or a safety belt may be used.

Child safety experts recommend that children aged 12 and under should ride properly buckled in the back seat. Airbags can kill young children riding in the front seat. A rear facing car seat should never be used in the front seat or in front of an airbag.

FLORIDA LAW PROTECTING CHILD PASSENGERS

Statute 316.613

Florida law requires all children from birth through age 3 be placed in a restraint device that is a separate carrier or a vehicle manufacturer's integrated car seat.

Florida law requires all children 4 through 5 years of age to ride in a separate carrier, an integrated child seat or child booster seat, or safety belt.

The Florida Department of Transportation and the Florida Department of Highway Safety and Motor Vehicles recommends keeping children ages 12 and under in the back seat.

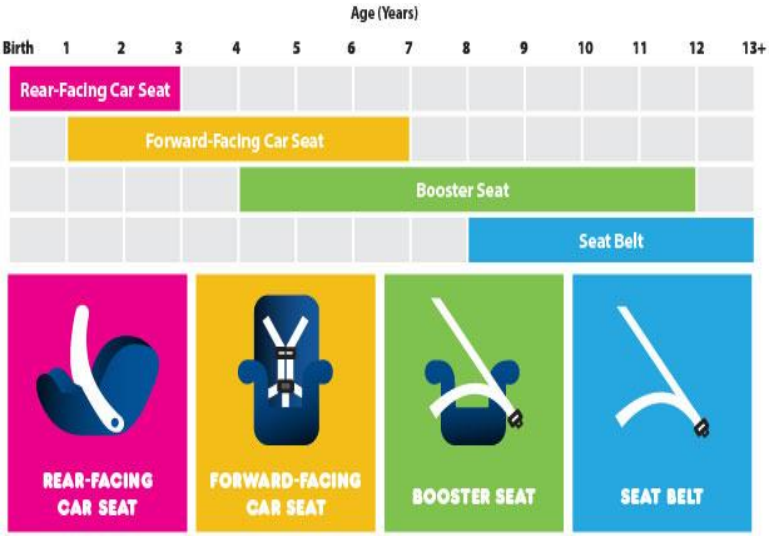
What is the fine for a child restraint violation? Fines start at $60.00 and 3 points, but the dollar amount can vary by local jurisdiction.

Types of Restraint

Type of restraint is determined based on age, weight, and height of the child. The device manufacturer provides directions that should be followed.

Information on types of restraint and experts who can help answer questions on proper seats and correct installation can be located at the Florida Occupant Protection Resource Center's web portal:

https://www.floridaoprc.ce.ufl.edu/oprc



2017-2024 Child Observational Surveys

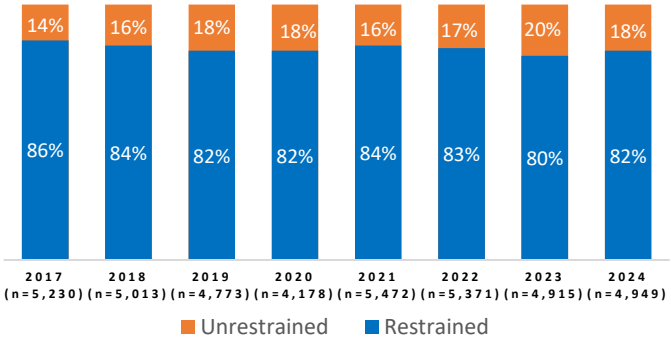
The Florida Department of Transportation (FDOT) contracting with Preusser Research Group, Inc. (PRG) developed and conducted an observational survey during the Spring of 2017 that estimated child restraint use across the state of Florida. The survey included one-hour observation periods across 200 distinct sites. The sites were spread across 20 counties (10 per county). The 20 counties covered the 10 television/radio Designated Market Areas (DMA) serving the State of Florida. The two most populated counties in each DMA were selected. PRG replicated the survey in the Springs of 2018 and 2019. For 2020, due to COVID-19, the survey was conducted in July. In 2021, data collection reverted back to the Spring timeframe (March/April). Data collection also took place over March and April for the 2022, 2023, and 2024 surveys.

Trained data collectors[1] were positioned near daycare centers, shopping centers, recreational areas, and fast-food restaurants. These sites were selected to maximize the number of children in the vehicles observed. The data collected included: types of child restraint used in rear and front seats; estimated age of child passenger(s) (ages: 0-3; 4-5; 6-12); driver characteristics (sex, age, race); and vehicle type (car, SUV, pickup, van). A copy of the data collection form used by observers is appended to this Final Report.

2024 Survey Results

Observers collected usage data on 4,949 children riding in 4,413 passenger vehicles. In most cases, information was collected on 1 child per vehicle. However, observers could collect information on up to 2 children. **The survey results indicated that 82 percent (+/- 1.07; 95% confidence) of children, ages 0-12, were restrained across the state of Florida.** The observed rate in 2024 was 2 percentage points higher than the previous year (2023; 80%). The highest rate was measured in 2017 (86%).

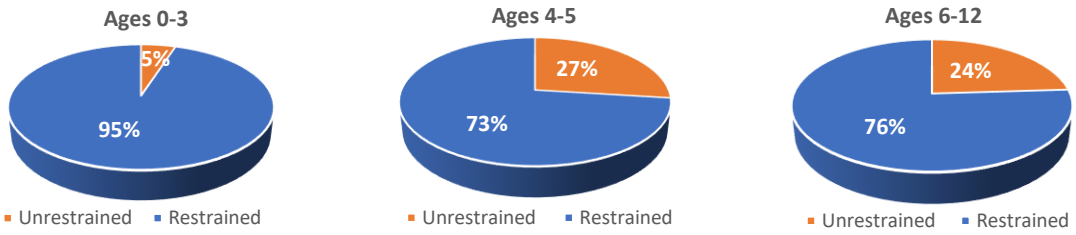
CHILD RESTRAINT USAGE FOR YEARS 2017–2024



Usage by Age Category

Observers also estimated an age category for almost all of the observed children (4,947 out of 4,949). As usual, the survey results indicated that youngest children (ages 0-3; n=1,820) were restrained most often (**95%**). Also similar to past measures, children ages 4 to 5 (n=892) were restrained least often (**73%**). Older children (ages 6-12; n=2,235) were observed restrained **76 percent** of the time.

2024 RESTRAINT USAGE BY AGE CATEGORY

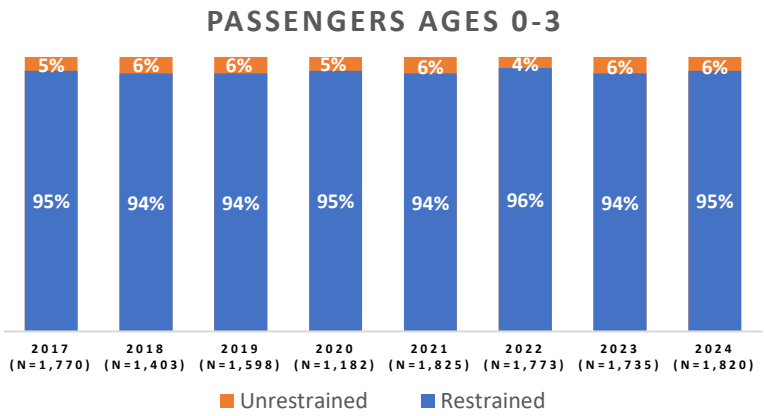


[1] Preusser Research Group, Inc. employees.

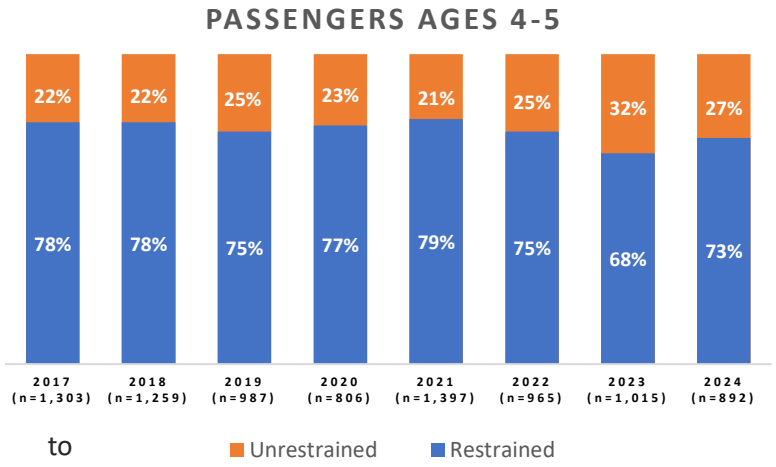
The graphs to the right show observed use by age category comparing survey years 2017 through 2024. The percentages displayed in orange represent unrestrained children and the percentages in blue represent the proportion restrained.

The top graph displays usage among child passengers ages 0-3. Children in this age group should be restrained in rear-facing carriers or forward-facing car seats depending on age, weight, and height. Survey results indicate that children observed in this age group were most often restrained with little difference in the proportion restrained year-to-year.

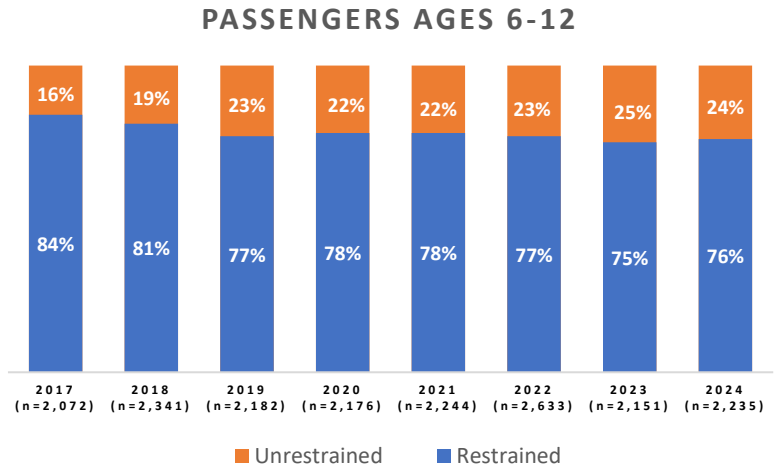
RESTRAINT USE BY AGE CATEGORY FOR YEARS 2017–2024



The middle graph displays usage among child passengers ages 4-5. Children in this age group are typically beyond the weight and height of children who should use rear facing carriers. Some are beyond forward-facing car seats too, and using a booster seat would be most appropriate. This age group is far less likely to be restrained compared to the younger children. After reaching a high of 79 percent usage in 2021, this rate fell 4 percentage points to 75 percent in 2022 and a further 7 points to 68 percent in 2023, before recovering 73 percent in 2024.



The bottom graph shows usage among child passengers ages 6-12. The younger children in this age group are, by and large, the appropriate size for booster seats, while older children have grown to the appropriate size for safety belts. Children in this age group typically had higher usage than those ages 4-5, however year-to-year comparisons show that usage is decreasing downward over time (from 84% in 2017, to 75% in 2023 and 76% in 2024).



Observed restraint type by age category indicates that children, by and large, use the proper restraint type when restrained. It is important to note that an unobtrusive, observational survey like the one presented here cannot tell if a child is ***correctly*** using a child safety seat or booster seat. Also, there may be cases where booster seat usage is recorded as "seat belted" due to not detecting a backless booster seat.

2024 RESTRAINT TYPE/USE BY AGE CATEGORY

	Ages 0-3 (n=1,820)	Ages 4-5 (n=892)	Ages 6-12 (n=2,235)	Ages 0-12 (n=4,947) *
Rear-Facing Carrier	**31%** (n=568)	**1%** (n=6)	**0%** (n=0)	**12%** (n=574)
Forward-Facing Car Seat	**63%** (n=1,143)	**33%** (n=296)	**1%** (n=20)	**29%** (n=1,459)
Booster Seat	**0%** (n=2)	**32%** (n=282)	**4%** (n=93)	**8%** (n=377)
Vehicle Safety Belt	**0%** (n=9)	**8%** (n=68)	**71%** (n=1,578)	**33%** (n=1,655)
No Restraint Used	**5%** (n=98)	**27%** (n=240)	**24%** (n=544)	**18%** (n=882)

the *2 children with no age designation are excluded from this column

Where are Children Positioned and How is that Associated with Restraint Use?

This is the eighth year examining this association, and most findings hold true year after year with similar proportions. Younger children tend to be in the back seat, but as they grow older they begin to migrate into the front of the vehicle. The following diagram shows the ratio of children observed in the front and back seats of passenger vehicles and shows restraint use in the front versus the rear. The survey found nearly all (99%) of passengers between the ages 0-3 rode in the rear seats, and most (95%) were restrained. Restraint use was much lower (67%) for the few (n=15) observed in the front. Children ages 4-5 were still riding in the rear seat, by and large (97%), but restraint use was much lower (77%) compared to younger years. Usage in the front seat was also lower for this age group (67%). Older children ages 6-12 had more representation in the front compared to younger children, but most still rode in the rear. Restraint use measured higher for this age group when observed in the ***front*** compared to riding in the rear (87% versus 68%).

2024 SEATING POSITION AND RESTRAINT USE

	% In a REAR Seat % Restrained	% In the FRONT Seat % Restrained
Ages 0-3	99% (n=1,802) 95%	1% (n=15) 67%
Ages 4-5	97% (n=823) 77%	3% (n=27) 67%
Ages 6-12	62% (n=1,394) 68%	38% (n=847) 87%
Total*	4,019	889

***Table includes passengers whose age, seating position, and restraint use were all recorded (n=4,908). Restraint use, age, and positional observations marked 'unknown' were removed.**

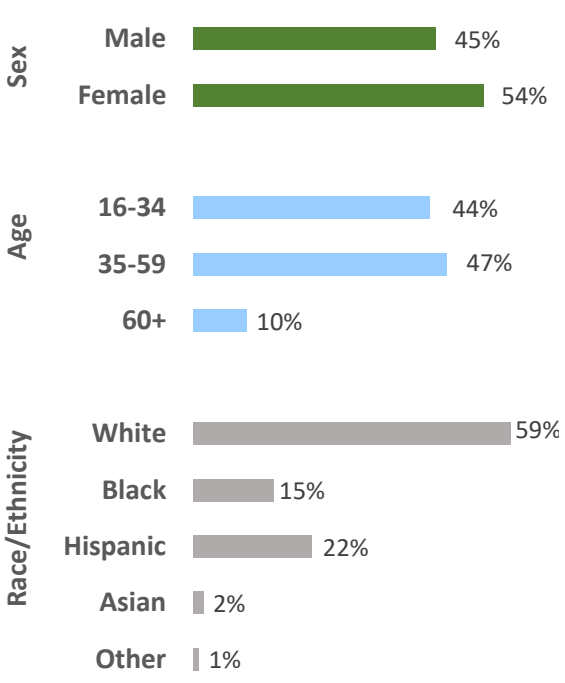
Characteristics of Drivers with Children

The 2024 survey found the characteristics of **drivers with children** to be similar to previous surveys. These drivers were more often female (54%, n=2,392) than male (45%, n=2,004); rarely was the sex of the driver not determined (0.4%, n=17).

Children were most likely with drivers between the ages of 35-59 (47%, n=2,054) followed by drivers between the ages 16-34 (44%, n=1,928). Children least often appeared with drivers 60 years and older (10%, n=426). Rarely was the age range of driver not determined (0.1%, n=5).

The observers also coded perceived race/ethnicity of drivers with children in the vehicle. Of those, fifty-nine percent were coded as White (n=2,614); 15 percent Black (n=679); 22 percent Hispanic (n=982); 2 percent Asian (n=67), and 1 percent Other (n=66). Again, rarely was driver race/ethnicity not determined (0.1% unknown, n=5).

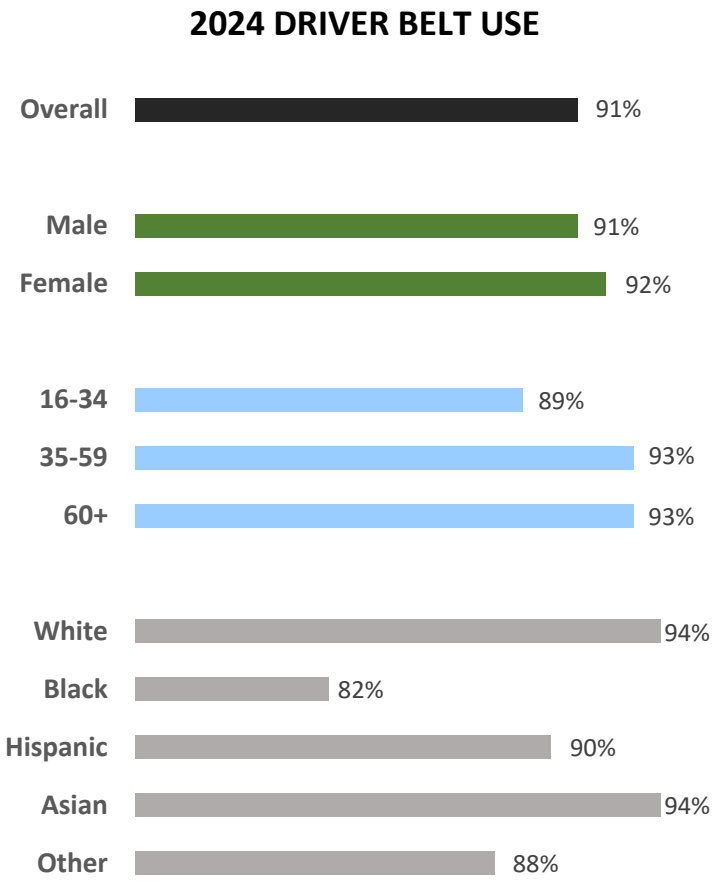
2024 DRIVER CHARACTERISTICS



Driver Belt Use

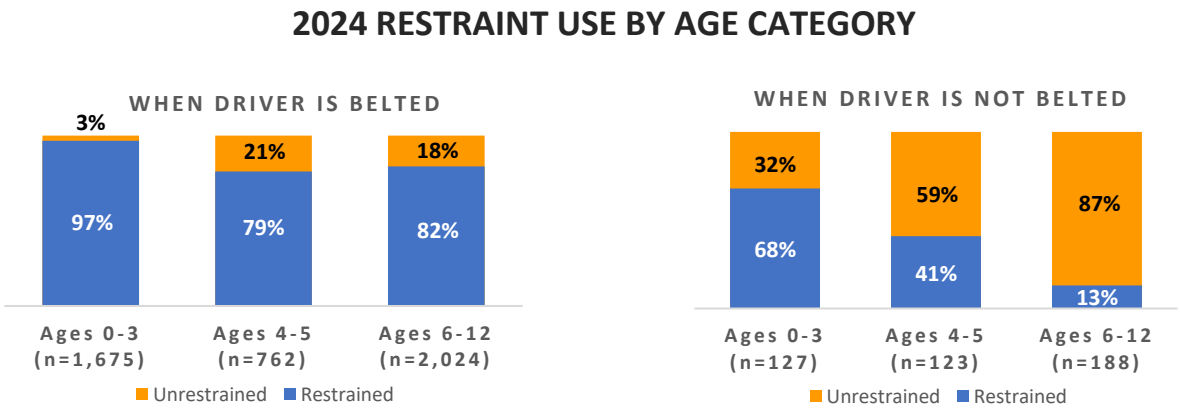
The 2024 survey results found that 91 percent of the drivers transporting children were belted (based on n=4,380 drivers with known safety belt usage). Driver usage was slightly higher compared to the 2023 and 2019 surveys (90%), same as in 2021, 2020, and 2018 (91%), and slightly lower than the 2017 (92%) survey.

Driver characteristics were associated with varying belt usage. Female drivers (n=2,377) were belted only slightly more often than male drivers (n=1,989; 92% versus 91%, respectively). Drivers 60 years and older (n=425) as well as drivers between the ages of 35-59 (n=2050) were belted most often at 93 percent. Drivers 16-34 were belted the least (n=1,902) at 89 percent. The survey indicated some differences in belt use by Race/Ethnicity. Asian drivers (n=67) and White drivers were belted most often (94%), while Hispanic drivers (n=968) were buckled 90 percent of the time. Black drivers (n=671) were belted only 82 percent of the time. Drivers with race coded "Other" (n=66) were belted 88 percent of the time.



How is Driver Belt Use Related to Child Restraint Use?

Driver belt use is clearly associated with child restraint usage. A child was far less likely to be restrained when a driver was not belted. The 2024 survey indicated children ages 6-12 were least likely restrained with an unbuckled driver (**only 13% using restraint**) followed by children ages 4-5 (**only 41% using restraint**). Even the youngest passengers (ages 0-3) were ***unrestrained*** **at an alarming rate of 32 percent** when the driver was not belted**. Decreased safety belt usage among unrestrained drivers with children should raise concern.**

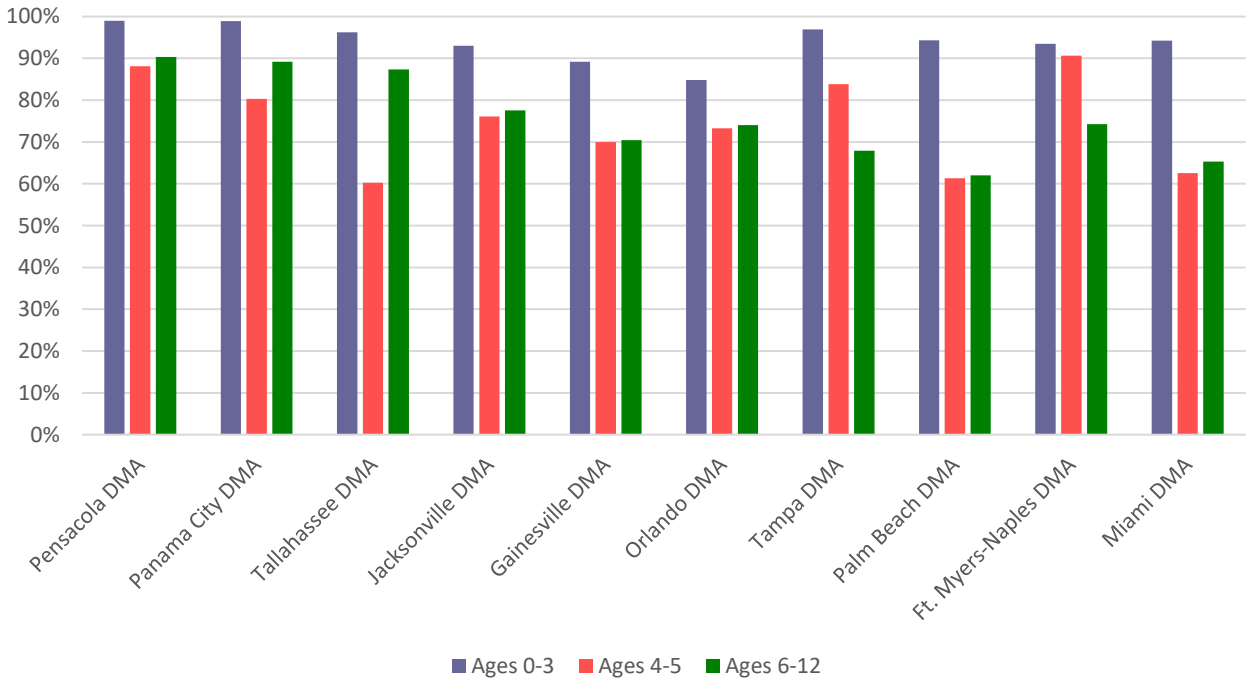


Designated Market Area

Single year results presented by DMA should be viewed with some level of caution due to the likelihood of a low number of child passengers observed. Combining multiple years of data provides more stability and confidence in the results.

The figure below shows usage rates using combined data for the most recent five years of data, **2020-2024**. The graph separates the results for the ten DMAs. The different colored bars represent usage by individual age categories in each of those DMAs. The bars indicate there is some uniformity across DMAs regarding the age categories. For example, in each DMA, usage is higher among child passengers ages 0-3 compared to any other age category. Usage is lowest among passengers ages 4-5 in seven of the DMAs; in two others, the 6-12 age group represents the lowest usage.[2]

RESTRAINT USE BY AGE CATEGORY AND DESIGNATED MARKET AREA (DMA)
FIVE YEAR AVERAGE (2020 - 2024)

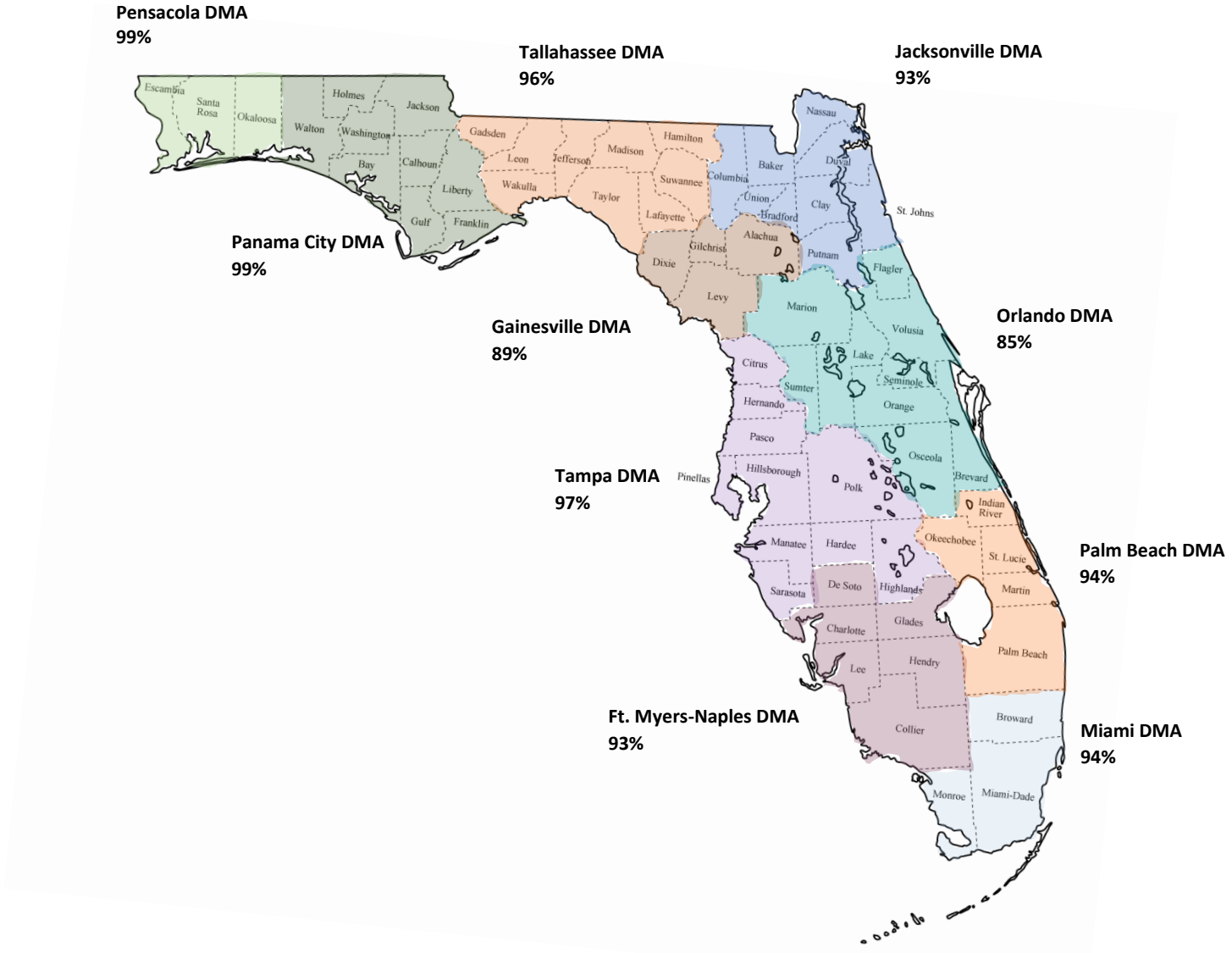


[2] In the Gainesville DMA, usage was 70% for both the 4-5 and the 6-12 age groups.

Ages 0-3; Restraint Use by DMA

The figure that follows shows the usage rate for children ages 0-3 by DMA. Again, the rates presented were determined using five years of data (2020–2024) with each year (and each county in a DMA) given equal weight. As previously explained, using multiple years of data helps to provide stability and confidence in the estimated rates. Restraint usage for ages 0-3 ranged from 85 percent to 99 percent across the DMAs. Four of the ten DMAs posted usage rates at or above 95 percent (Panama City, Pensacola, Tallahassee, and Tampa). Four more DMAs posted 93 and 94 percent rates (Fort Myers, Jacksonville, Miami and Palm Beach). Usage was lowest in the Orlando DMA (85%).

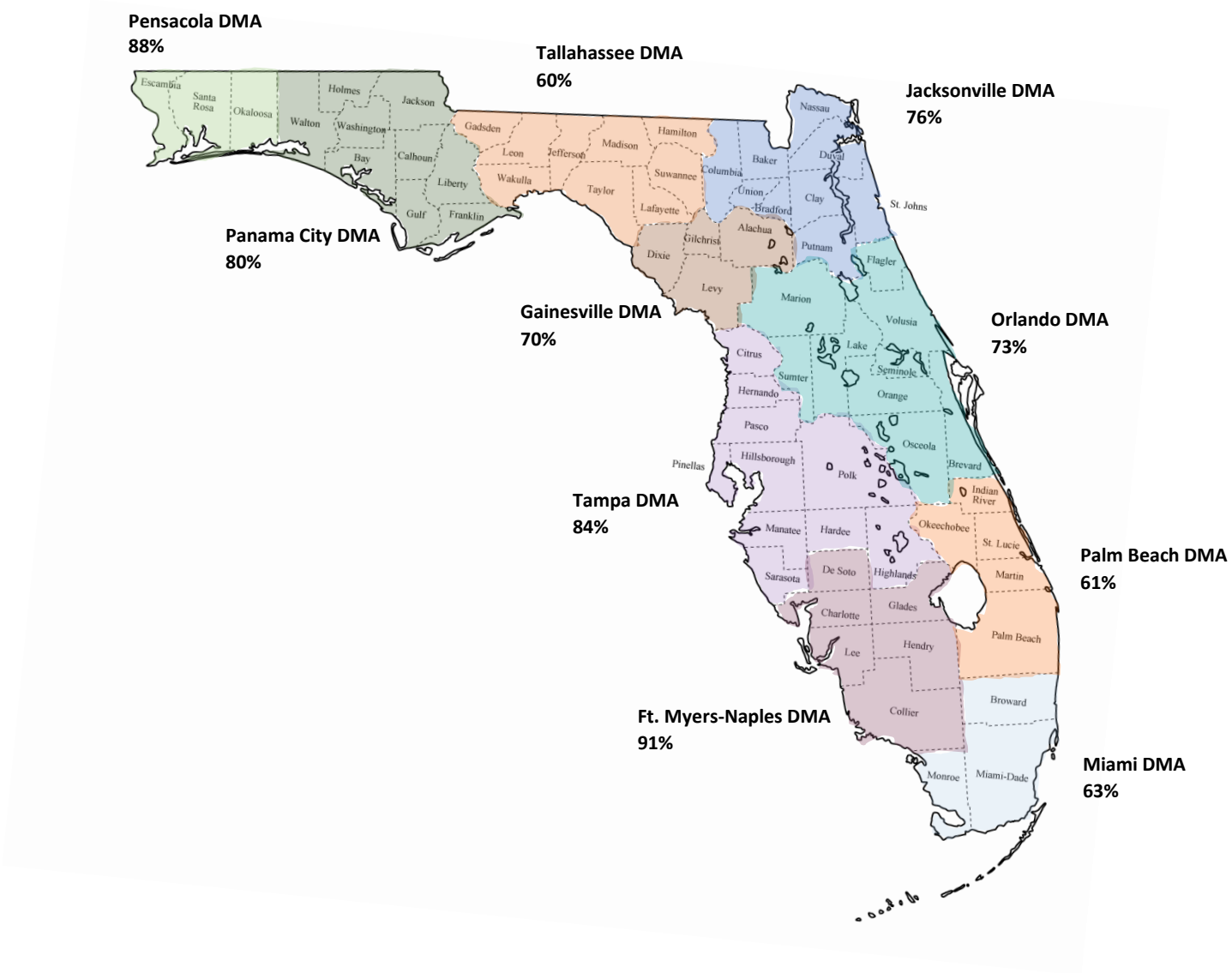
AGES 0-3
CHILD RESTRAINT USE BY DESIGNATED MARKET AREA (DMA)
FIVE YEAR AVERAGE (2020-2024)



Ages 4-5; Restraint Use by DMA

The next figure shows the usage rate for children ages 4-5 by DMA. Again, the rates were determined using five years of data (2020–2024). Restraint use among this age group is universally lower compared to other age categories in the DMAs. Usage among passengers in this age category ranged from 60 percent to 91 percent; the same range as last year's five-year average even with the annual increase in usage for this age group. It is important to note here, that the broad range in usage rates across the DMAs is due, at least partially, to the low number of observations of four and five-year-old passengers. Still, the fact remains, passengers in this age category are restrained less often compared to the youngest age group and that is true across the entire State of Florida.

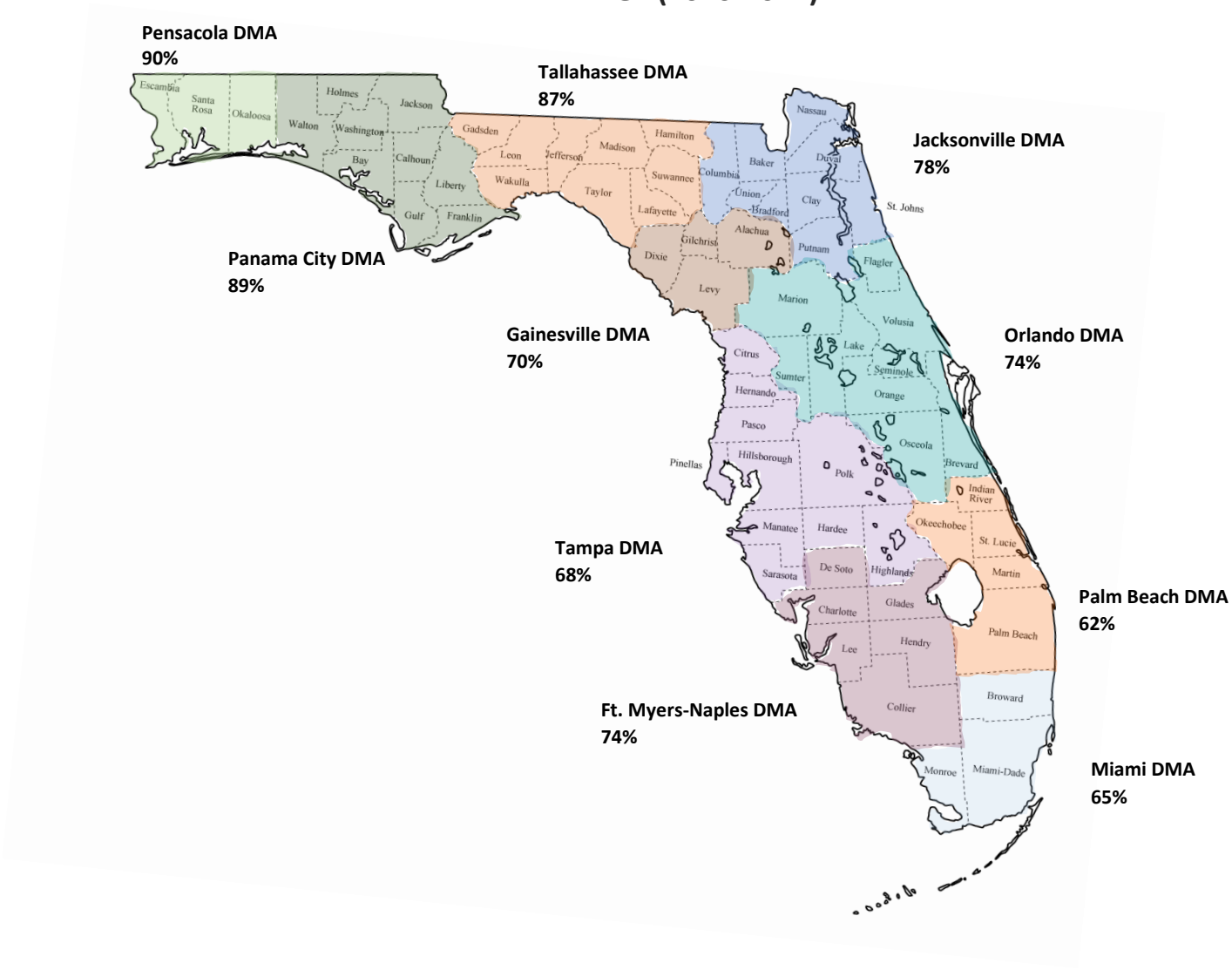
AGES 4-5
CHILD RESTRAINT USE BY DESIGNATED MARKET AREA (DMA)
FIVE YEAR AVERAGE (2020-2024)



Ages 6-12; Restraint Use by DMA

The next figure shows the usage rate for children ages 6-12 by DMA, once again using five years of data (2020–2024). Most of the passengers in this age group were observed out of child restraint devices and were observed either belted or not. Though more half still ride in the rear, many more of the passengers in this age group, compared to younger passengers, were observed riding in the front seat. Restraint usage for passengers ages 6-12 ranged from 62 percent to 90 percent across the ten DMAs. In this instance, the wide range in usage cannot be explained by low observation volume and is more likely due to area differences. Usage levels attained 90 percent in only one DMA (Pensacola), and only two DMAs had usage between 80 and 89 percent (Panama City and Tallahassee). Usage was between 70 percent to 79 in three DMAs (Fort Myers–Naples, Gainesville, and Orlando). Usage was below 70 percent in three DMAs (Miami, Palm Beach and Tampa).

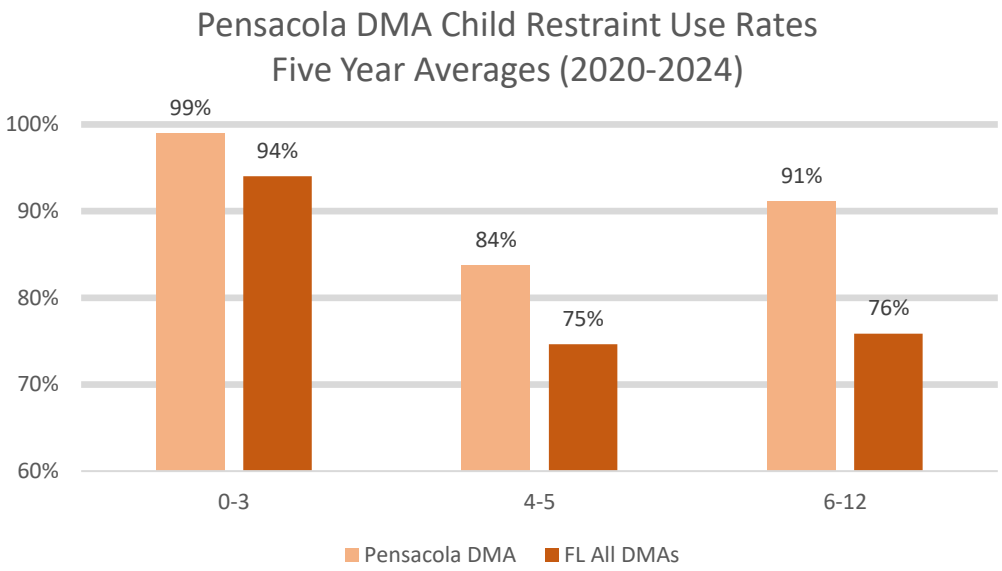
AGES 6-12
CHILD RESTRAINT USE BY DESIGNATED MARKET AREA (DMA)
FIVE YEAR AVERAGE (2020-2024)



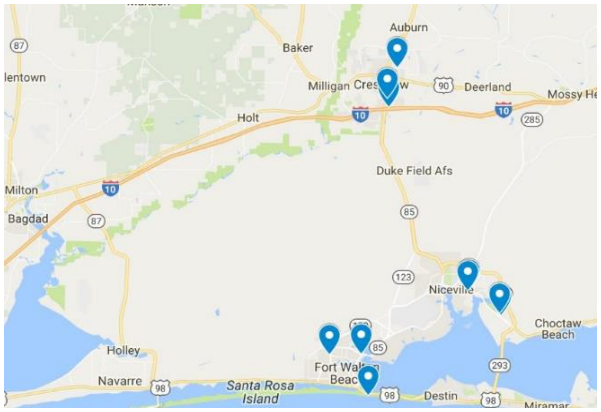
Appendix A.

DMA County Specific Information

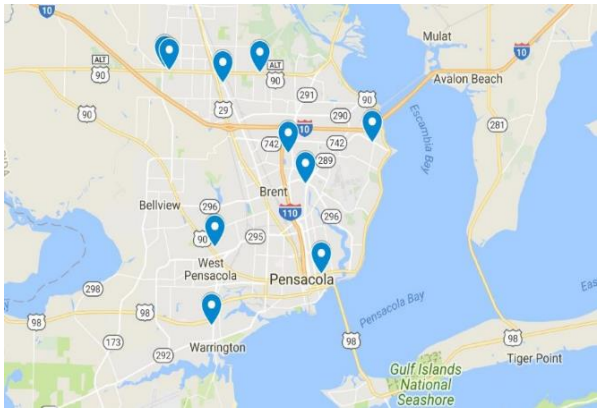
PENSACOLA DMA



Escambia County Suvey Locations



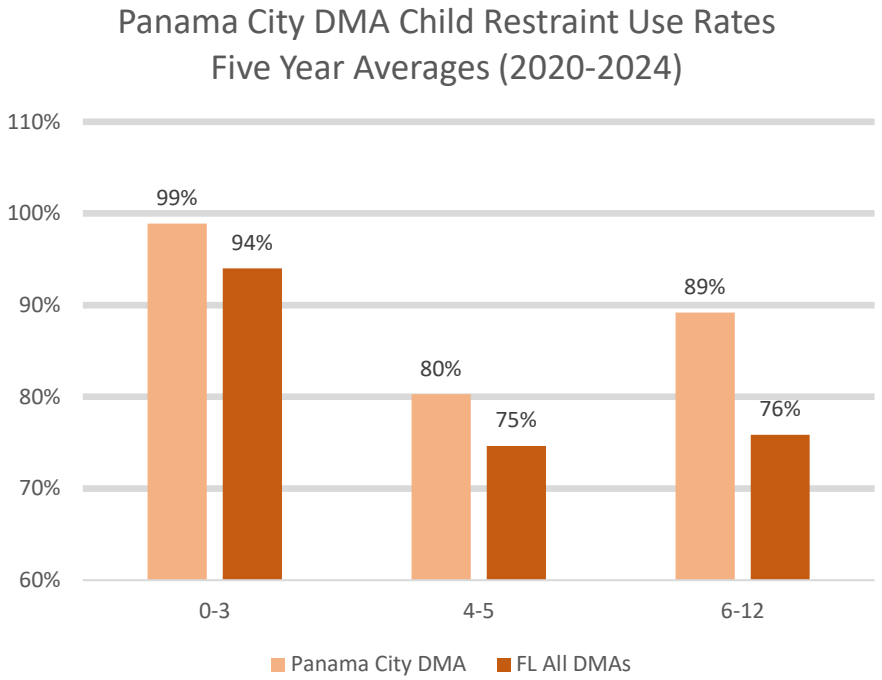
Okaloosa County Survey Locations[3]



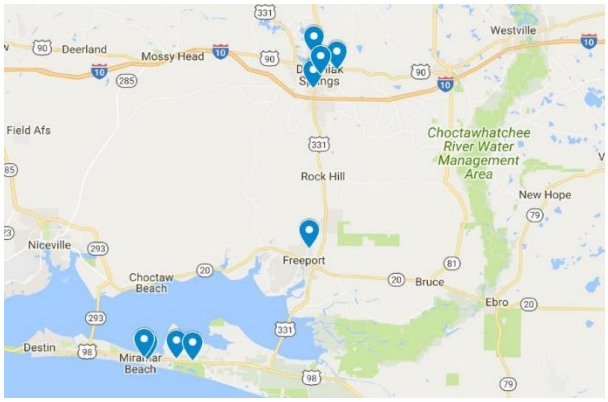
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Pensacola	Escambia	594	73	663	1	1331	3084	98%	86%	97%	91%
	Okaloosa	730	86	936	1	1753		100%	81%	98%	92%

[3] Fewer than 10 pins showing because of overlapping pins

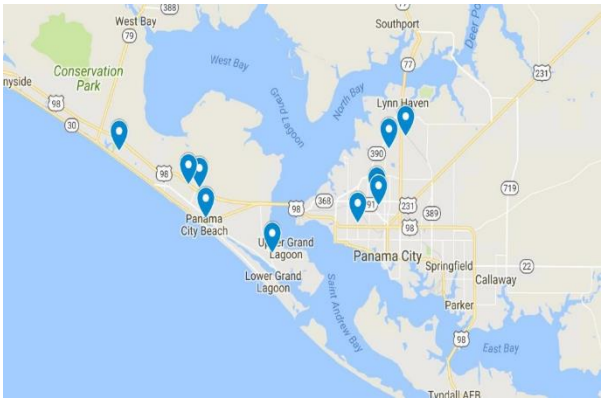
PANAMA CITY DMA



Walton County Suvey Locations[4]



Bay County Survey Locations[5]

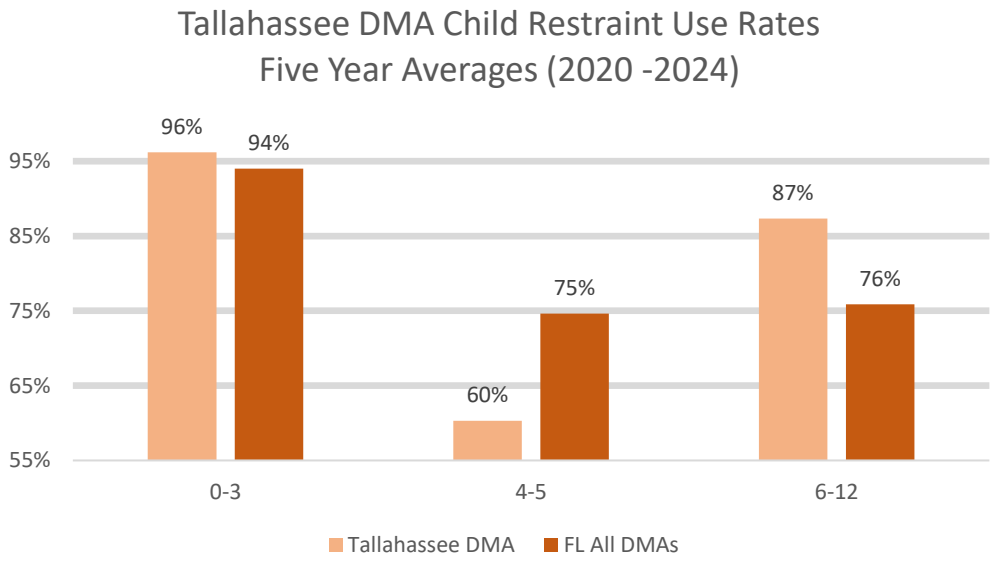


DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Panama City	Walton	474	70	696	0	1240	2453	99%	82%	96%	87%
	Bay	495	60	658	0	1213		99%	78%	97%	91%

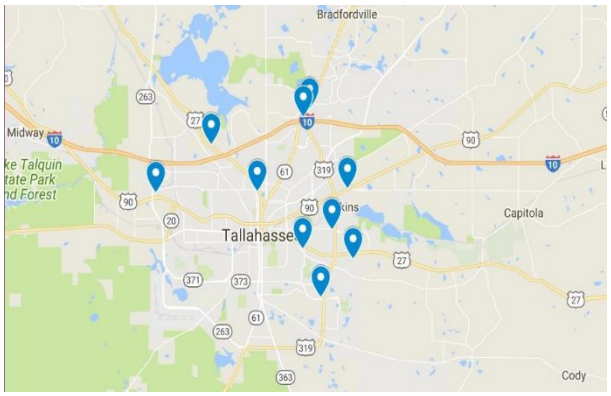
[4] Fewer than 10 pins showing because of overlapping pins

[5] Fewer than 10 pins showing because of overlapping pins

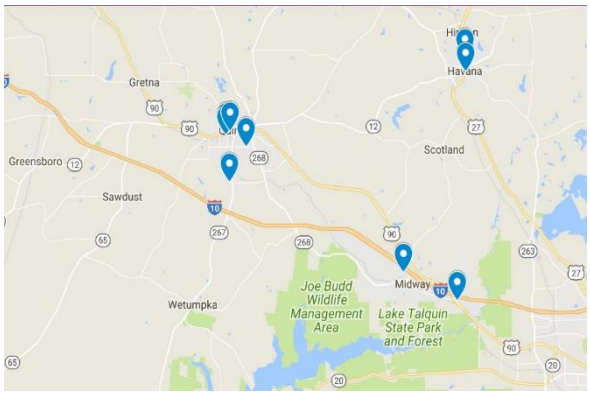
TALLAHASSEE DMA



Leon County Survey Locations



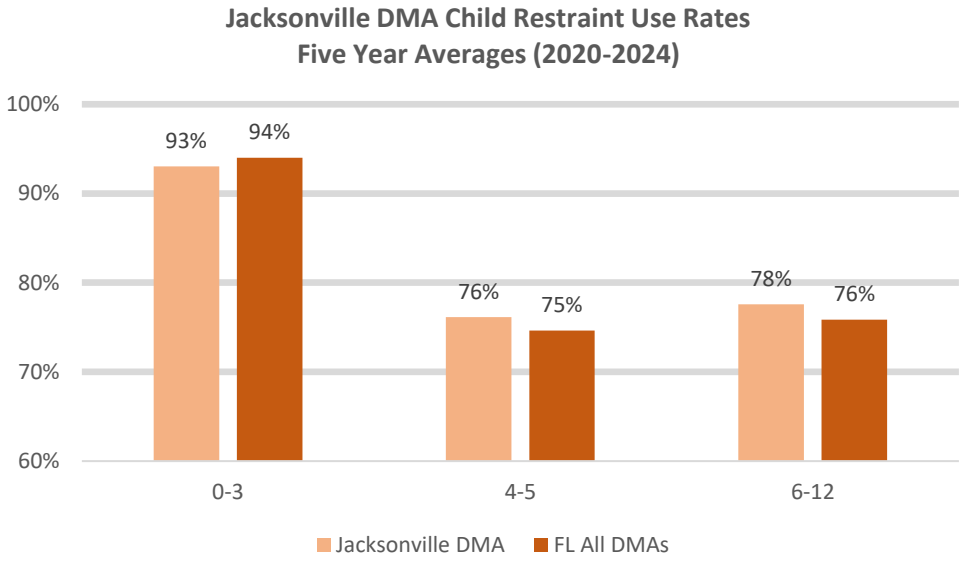
Gadsden County Survey Locations[6]



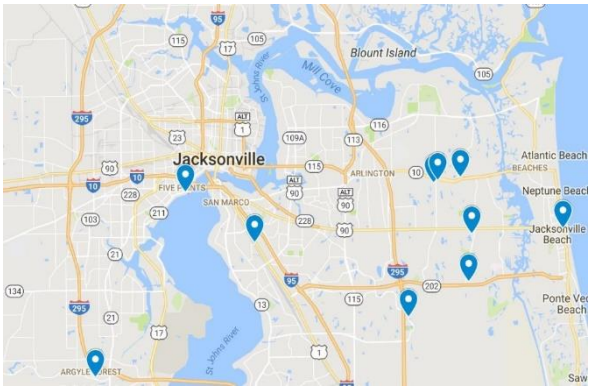
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Tallahassee	Gadsden	275	57	501	0	833	2214	93%	40%	85%	81%
	Leon	585	70	724	2	1381		99%	80%	97%	94%

[6] Fewer than 10 pins showing because of overlapping pins, or some site(s) used twice on different day of week and time of day.

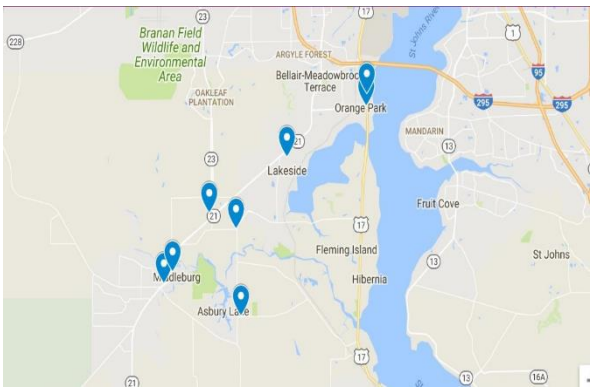
JACKSONVILLE DMA



Duval County Suvey Locations



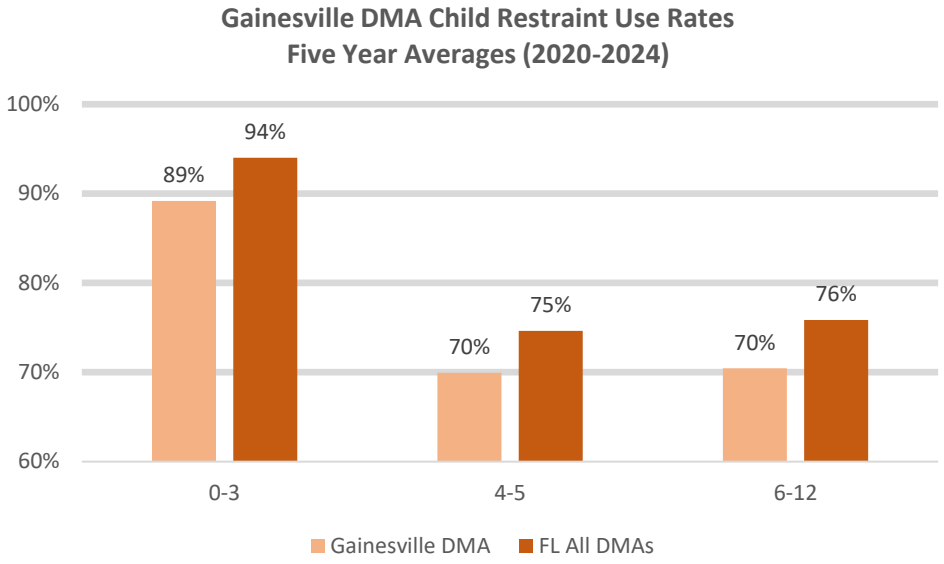
Clay County Survey Locations[7]



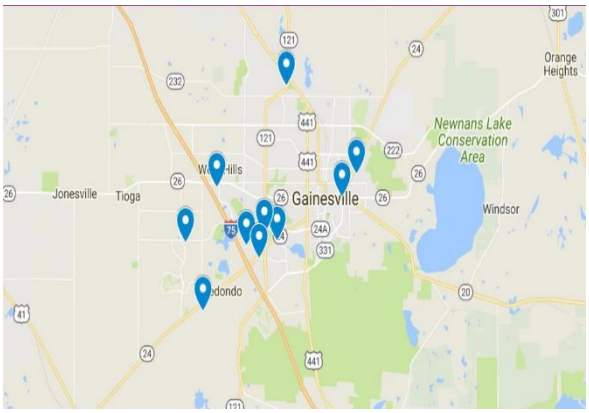
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Jacksonville	Clay	418	339	412	0	1169	2276	94%	77%	85%	77%
	Duval	441	297	368	1	1107		93%	75%	86%	78%

[7] Fewer than 10 pins showing because of overlapping pins.

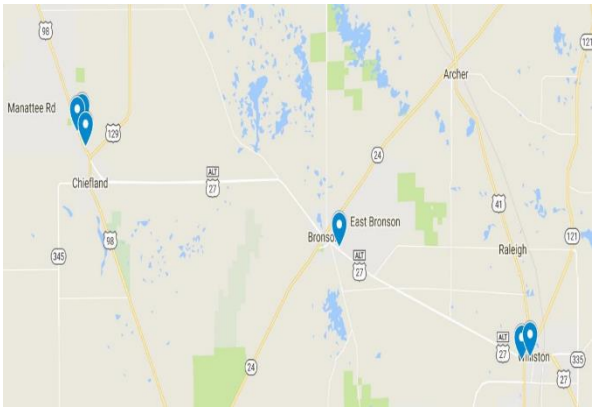
GAINESVILLE DMA



Alachua County Suvey Locations



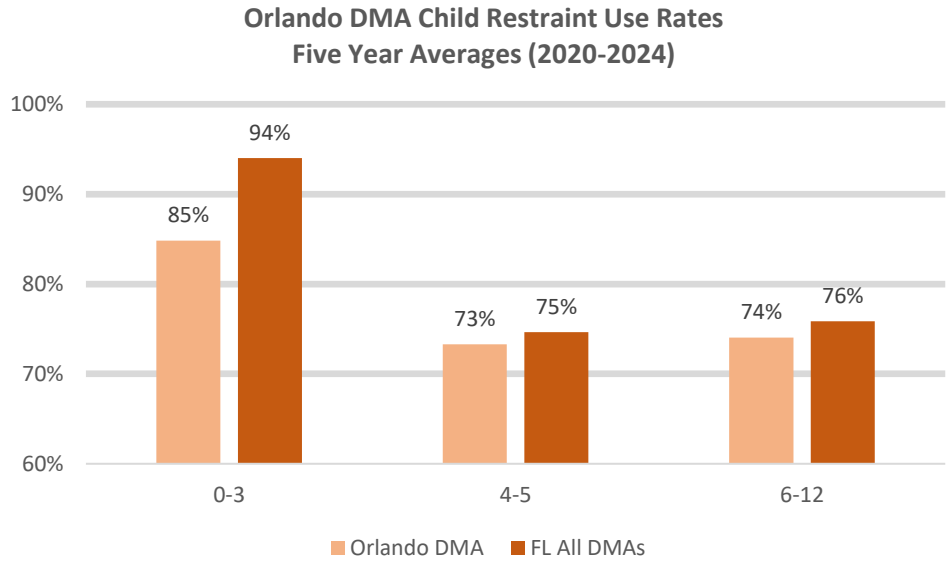
Levy County Survey Locations[8]



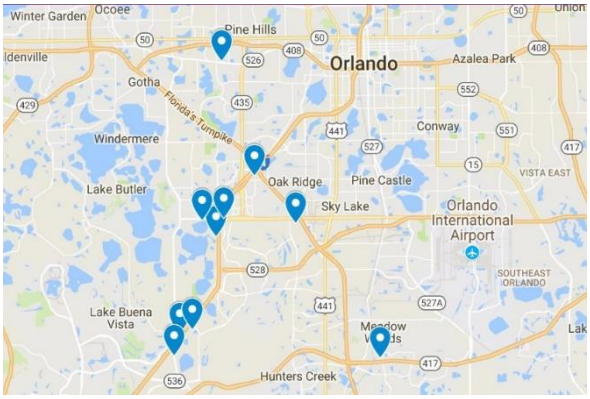
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Gainesville	Alachua	398	278	276	0	952	1811	88%	74%	82%	77%
	Levy	195	271	393	0	859		90%	65%	76%	64%

[8] Fewer than 10 pins showing because of overlapping pins, or some site(s) used twice on different day of week and time of day.

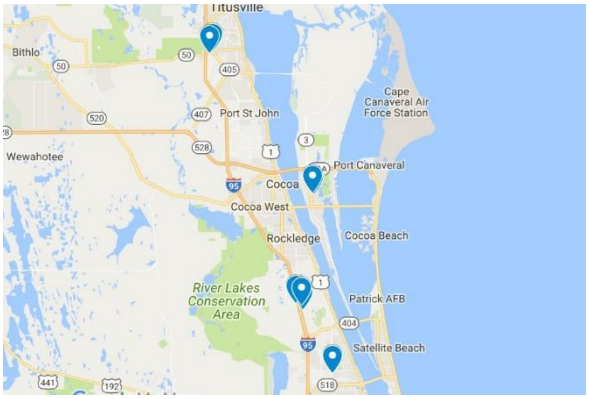
ORLANDO DMA



Orange County Survey Locations



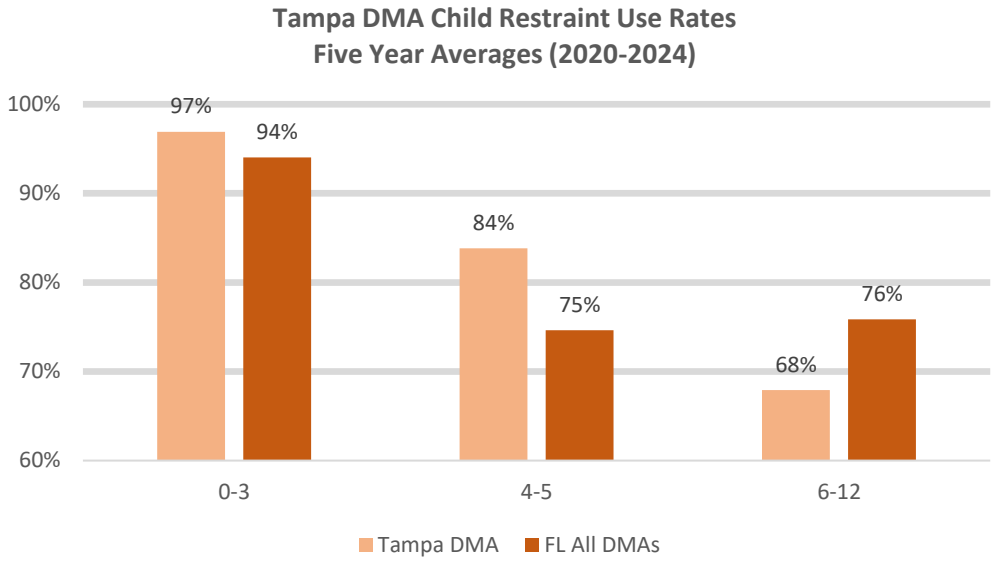
Brevard County Survey Locations[9]



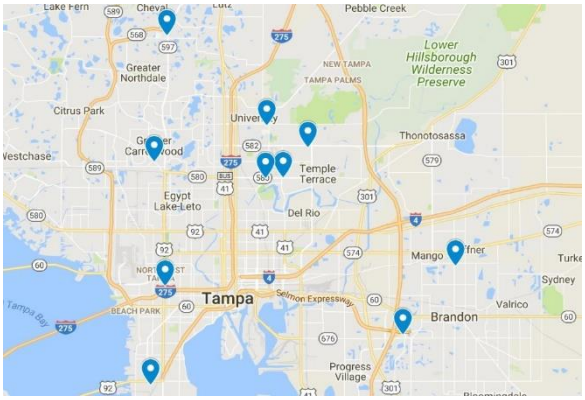
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Orlando	Orange	425	380	485	0	1290	2345	78%	69%	74%	73%
	Brevard	421	269	365	0	1055		92%	78%	86%	75%

[9] Fewer than 10 pins showing because of overlapping pins.

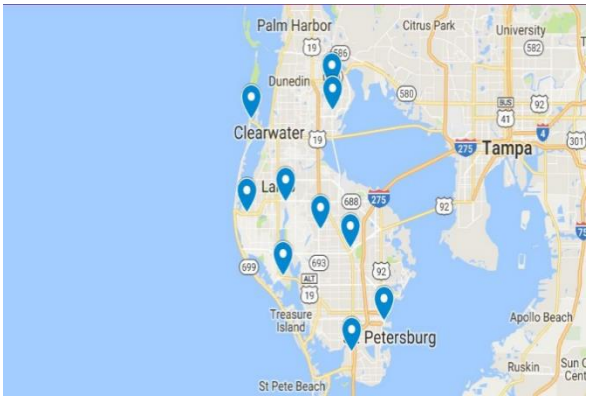
TAMPA DMA



Hillsborough County Survey Locations

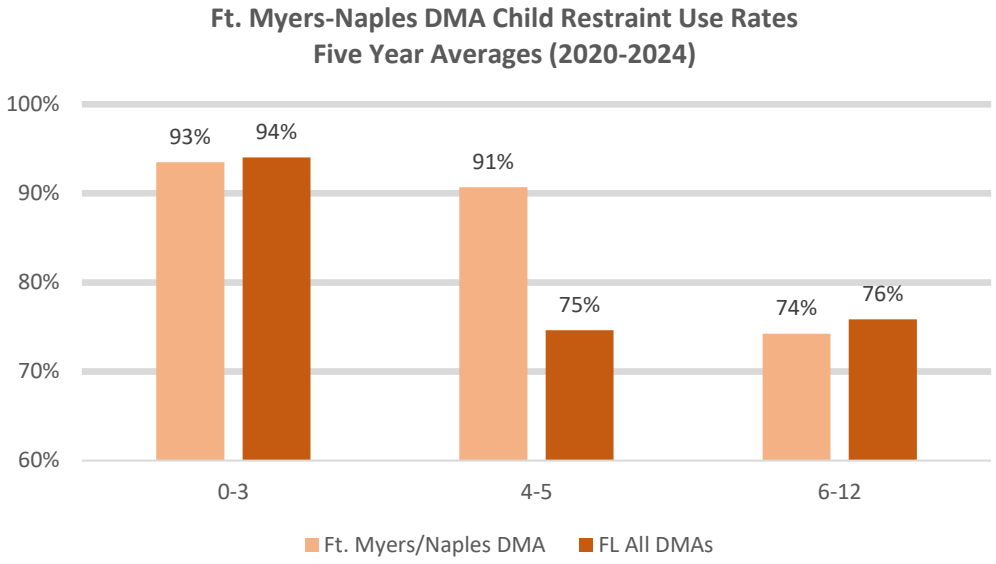


Pinellas County Survey Locations

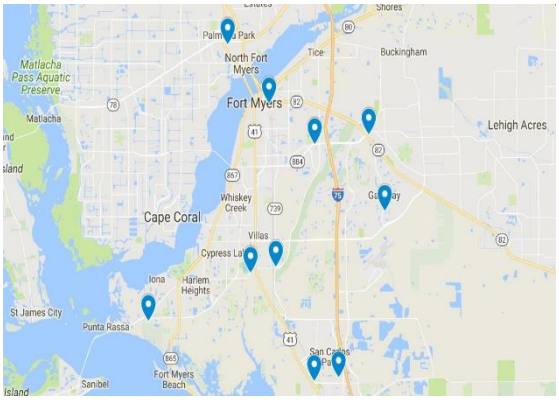


DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Tampa	Pinellas	132	327	624	0	1083	2248	99%	83%	88%	69%
	Hillsborough	113	345	706	1	1165		95%	85%	87%	67%

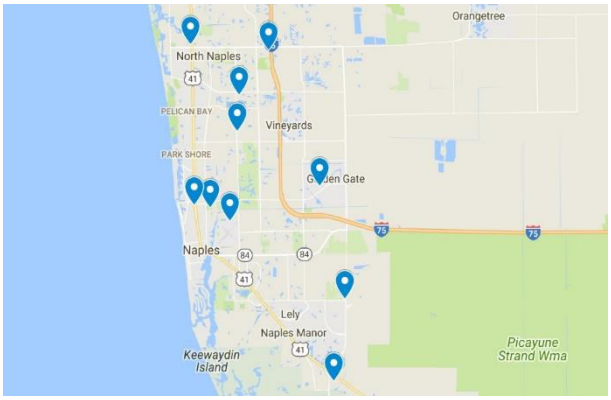
FT. MYERS-NAPLES DMA



Lee County Survey Locations

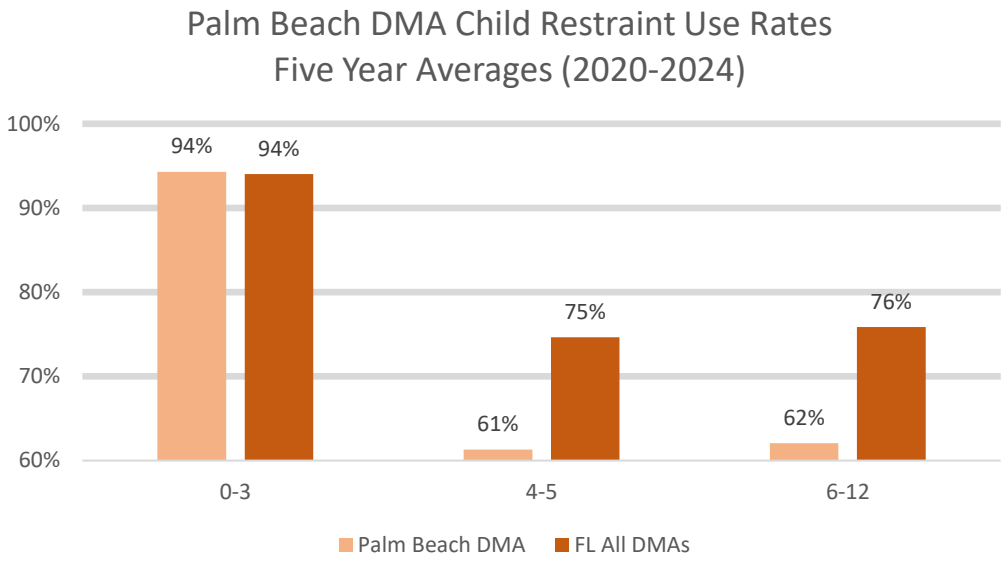


Collier County Survey Location

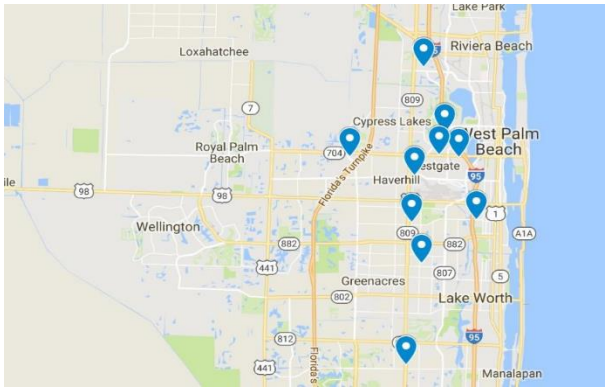


DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Ft. Myers-Naples	Lee	141	443	623	0	1207	2261	91%	89%	90%	73%
	Collier	122	370	558	4	1054		96%	92%	94%	75%

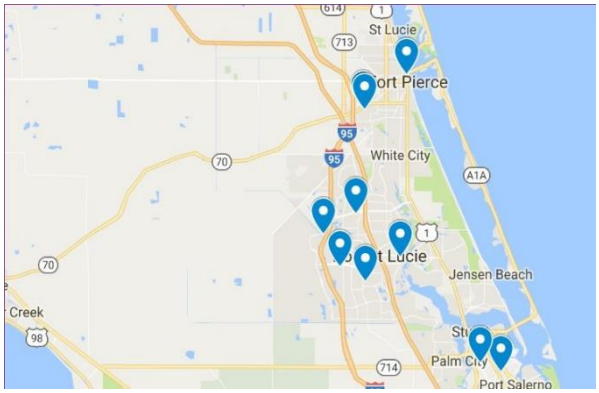
PALM BEACH DMA



Palm Beach County Survey Locations



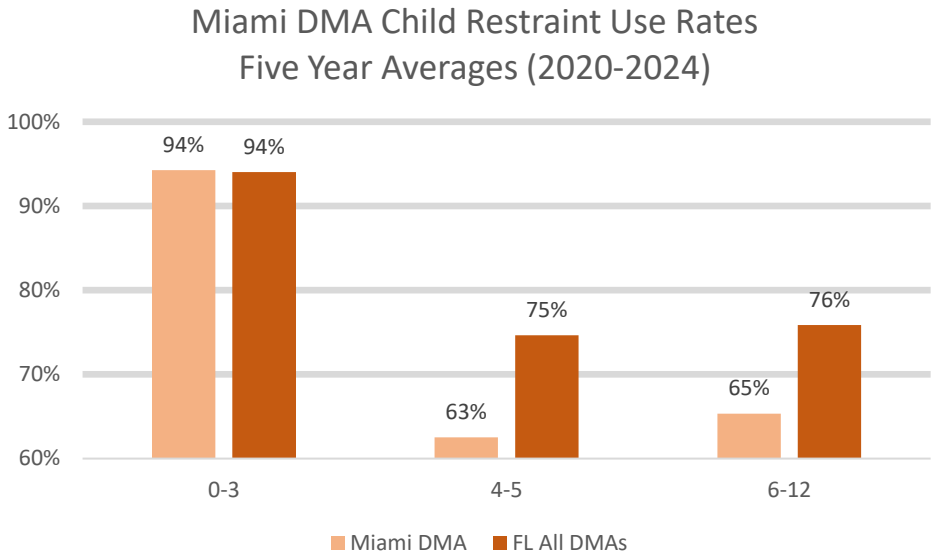
St. Lucie County Survey Locations[10]



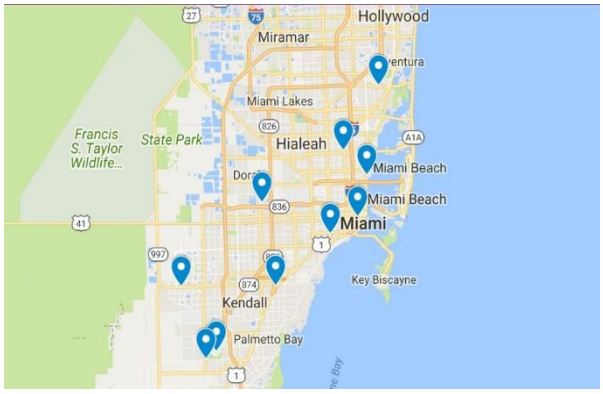
DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Palm Beach	St. Lucie	613	365	664	7	1649	3379	96%	61%	84%	64%
	Palm Beach	605	403	711	11	1730		92%	61%	80%	60%

[10] Fewer than 10 pins showing because of overlapping pins.

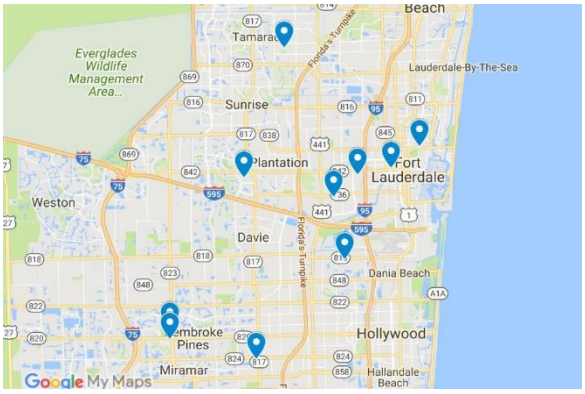
MIAMI DMA



Miami-Dade County Survey Locations



Broward County Survey Locations



DMA	County	Age 0-3	Age 4-5	Age 6-12	Unk. Age	County Total	DMA Total	RESTRAINT USE BY AGE 5 year averages 0-3	4-5	<6	6-12
Miami	Broward	638	263	538	5	1444	2814	97%	65%	88%	67%
	Dade	520	309	538	3	1370		92%	60%	80%	64%

Appendix B.

Number of Children Observed and Restraint Use by DMA and Age Category

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY 2024

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	171	21	122	0	314	**684**	97%	100%	97%	86%
	Okaloosa	166	12	192	0	370		99%	89%	98%	89%
Panama City	Walton	127	11	165	0	303	**602**	98%	47%	86%	71%
	Bay	122	12	165	0	299		99%	60%	98%	88%
Tallahassee	Gadsden	76	9	119	0	204	**519**	91%	0%	80%	75%
	Leon	155	14	146	0	315		98%	67%	97%	85%
Jacksonville	Clay	84	46	81	0	211	**408**	97%	74%	86%	85%
	Duval	83	48	66	0	197		95%	78%	86%	86%
Gainesville	Alachua	71	53	57	0	181	**334**	90%	78%	85%	75%
	Levy	34	46	73	0	153		91%	72%	79%	56%
Orlando	Orange	82	69	95	0	246	**431**	78%	58%	70%	72%
	Brevard	68	57	60	0	185		93%	72%	84%	74%
Tampa	Pinellas	29	63	81	0	173	**362**	96%	83%	87%	68%
	Hillsborough	25	70	94	0	189		95%	82%	84%	68%
Palm Beach	St. Lucie	115	67	162	1	345	**695**	93%	50%	77%	68%
	Palm Beach	137	59	154	0	350		91%	46%	73%	61%
Ft. Myers-Naples	Lee	39	72	73	0	184	**354**	96%	85%	87%	74%
	Collier	28	59	83	0	170		97%	92%	93%	81%
Miami	Broward	119	35	111	1	266	**560**	92%	57%	83%	65%
	Dade	89	69	136	0	294		86%	36%	70%	61%
Total		**1820**	**892**	**2235**	**2**	**4949**	**4949**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY 2023

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category 0-3	4-5	<6	6-12
Pensacola	Escambia	121	8	147	1	277	**567**	97%	100%	97%	86%
	Okaloosa	120	9	160	1	290		99%	89%	98%	89%
Panama City	Walton	104	32	135	0	271	**519**	98%	47%	86%	71%
	Bay	118	5	125	0	248		99%	60%	98%	88%
Tallahassee	Gadsden	58	8	84	0	150	**434**	91%	0%	80%	75%
	Leon	126	6	151	1	284		98%	67%	97%	85%
Jacksonville	Clay	74	68	79	0	221	**412**	97%	74%	86%	85%
	Duval	60	58	72	1	191		95%	78%	86%	86%
Gainesville	Alachua	80	54	72	0	206	**392**	90%	78%	85%	75%
	Levy	34	58	94	0	186		91%	72%	79%	56%
Orlando	Orange	76	52	101	0	229	**491**	78%	58%	70%	72%
	Brevard	89	65	108	0	262		93%	72%	84%	74%
Tampa	Pinellas	26	52	94	0	172	**388**	96%	83%	87%	68%
	Hillsborough	19	76	120	1	216		95%	82%	84%	68%
Palm Beach	St. Lucie	124	70	100	2	296	**679**	93%	50%	77%	68%
	Palm Beach	156	105	119	3	383		91%	46%	73%	61%
Ft. Myers-Naples	Lee	26	98	102	0	226	**431**	96%	85%	87%	74%
	Collier	31	76	95	3	205		97%	92%	93%	81%
Miami	Broward	160	51	101	1	313	**602**	92%	57%	83%	65%
	Dade	133	64	92	0	289		86%	36%	70%	61%
Total		**1735**	**1015**	**2151**	**14**	**4915**	**4915**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY 2022

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category 0-3	4-5	<6	6-12
Pensacola	Escambia	132	20	144	0	296	**713**	99%	80%	96%	92%
	Okaloosa	169	17	231	0	417		100%	65%	97%	92%
Panama City	Walton	141	12	228	0	381	**690**	98%	83%	97%	90%
	Bay	123	11	175	0	309		100%	82%	99%	89%
Tallahassee	Gadsden	49	18	113	0	180	**500**	96%	67%	88%	79%
	Leon	134	23	163	0	320		99%	78%	96%	95%
Jacksonville	Clay	85	54	63	0	202	**444**	91%	78%	86%	62%
	Duval	95	55	92	0	224		92%	71%	84%	76%
Gainesville	Alachua	75	60	68	0	203	**339**	89%	78%	84%	71%
	Levy	30	35	71	0	136		83%	54%	68%	63%
Orlando	Orange	84	70	115	0	269	**477**	85%	66%	86%	62%
	Brevard	80	50	78	0	208		91%	78%	84%	76%
Tampa	Pinellas	17	61	159	0	237	**494**	100%	85%	89%	70%
	Hillsborough	23	56	178	0	257		100%	93%	95%	65%
Palm Beach	St. Lucie	104	53	136	0	293	**605**	99%	60%	86%	60%
	Palm Beach	110	77	125	0	312		94%	57%	79%	54%
Ft. Myers-Naples	Lee	30	89	152	0	271	**498**	97%	96%	96%	80%
	Collier	36	64	127	0	227		100%	95%	97%	80%
Miami	Broward	114	75	124	0	340	**611**	97%	64%	85%	61%
	Dade	115	65	91	0	271		94%	62%	82%	60%
Total		**1773**	**965**	**2633**	**0**	**5371**	**5371**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY 2021

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	102	15	136	0	253	**620**	100%	93%	99%	92%
	Okaloosa	167	22	178	0	367		100%	82%	98%	94%
Panama City	Walton	55	4	80	0	139	**318**	100%	100%	100%	95%
	Bay	70	17	92	0	179		99%	94%	98%	93%
Tallahassee	Gadsden	46	11	104	0	161	**430**	98%	45%	88%	85%
	Leon	99	14	156	0	269		99%	93%	98%	96%
Jacksonville	Clay	133	91	82	0	306	**593**	89%	76%	84%	76%
	Duval	139	81	67	0	287		94%	80%	89%	76%
Gainesville	Alachua	116	75	36	0	227	**443**	84%	79%	82%	92%
	Levy	61	80	75	0	216		95%	66%	79%	68%
Orlando	Orange	147	132	95	0	374	**585**	80%	81%	81%	77%
	Brevard	111	53	47	0	211		96%	81%	91%	72%
Tampa	Pinellas	30	98	131	0	259	**530**	100%	86%	89%	74%
	Hillsborough	33	117	121	0	271		94%	85%	87%	75%
Palm Beach	St. Lucie	140	109	159	2	410	**803**	97%	72%	86%	60%
	Palm Beach	115	107	169	2	393		95%	62%	79%	66%
Ft. Myers-Naples	Lee	32	119	152	0	303	**571**	84%	83%	83%	70%
	Collier	12	111	145	0	268		92%	91%	91%	72%
Miami	Broward	124	70	102	1	297	**579**	98%	80%	92%	65%
	Dade	93	71	117	1	282		92%	75%	85%	68%
Total		**1825**	**1397**	**2244**	**6**	**5472**	**5472**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY
2020

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	68	9	114	0	191	**500**	97%	100%	97%	89%
	Okaloosa	108	26	175	0	309		100%	96%	99%	89%
Panama City	Walton	47	11	88	0	146	**324**	98%	91%	97%	91%
	Bay	62	15	101	0	178		98%	80%	95%	92%
Tallahassee	Gadsden	46	11	81	0	138	**331**	87%	45%	79%	85%
	Leon	71	13	108	1	193		99%	85%	96%	96%
Jacksonville	Clay	42	80	107	0	229	**419**	100%	76%	84%	91%
	Duval	64	55	71	0	190		92%	80%	87%	82%
Gainesville	Alachua	56	36	43	0	135	**303**	91%	69%	83%	81%
	Levy	36	52	80	0	168		92%	69%	78%	75%
Orlando	Orange	36	57	79	0	172	**361**	72%	74%	73%	82%
	Brevard	73	44	72	0	189		89%	80%	85%	76%
Tampa	Pinellas	30	53	159	0	242	**474**	100%	83%	89%	66%
	Hillsborough	13	26	193	0	232		92%	85%	87%	68%
Palm Beach	St. Lucie	130	66	107	2	305	**597**	98%	53%	83%	73%
	Palm Beach	87	55	144	6	292		91%	76%	85%	64%
Ft. Myers-Naples	Lee	14	65	144	0	223	**407**	79%	98%	95%	61%
	Collier	15	60	108	1	184		93%	92%	92%	74%
Miami	Broward	94	32	100	2	228	**462**	99%	59%	89%	78%
	Dade	90	40	102	2	234		93%	65%	85%	67%
Total		**1182**	**806**	**2176**	**14**	**4178**	**4178**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY
2019

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	101	10	117	0	228	**513**	100%	100%	100%	91%
	Okaloosa	138	11	136	0	285		99%	82%	97%	92%
Panama City	Walton	22	23	48	0	93	**202**	86%	78%	82%	77%
	Bay	31	18	60	0	109		97%	67%	86%	80%
Tallahassee	Gadsden	40	12	70	0	122	**379**	85%	42%	75%	79%
	Leon	108	20	129	0	257		98%	75%	95%	91%
Jacksonville	Clay	45	29	59	0	133	**253**	96%	79%	89%	80%
	Duval	61	22	37	0	120		87%	86%	87%	89%
Gainesville	Alachua	104	39	75	0	218	**385**	91%	59%	83%	71%
	Levy	40	38	89	0	167		85%	63%	74%	67%
Orlando	Orange	151	105	152	0	408	**693**	79%	64%	73%	72%
	Brevard	116	69	100	0	285		92%	75%	86%	79%
Tampa	Pinellas	14	48	126	1	189	**438**	93%	79%	82%	67%
	Hillsborough	16	55	178	0	249		100%	84%	87%	73%
Palm Beach	St. Lucie	113	92	144	0	349	**779**	98%	73%	87%	76%
	Palm Beach	142	119	168	1	430		100%	77%	90%	65%
Ft. Myers-Naples	Lee	16	74	124	1	215	**416**	100%	85%	88%	83%
	Collier	12	70	119	0	201		92%	90%	90%	87%
Miami	Broward	172	69	117	2	360	**715**	95%	64%	86%	66%
	Dade	156	64	134	1	355		96%	70%	88%	67%
Total		**1598**	**987**	**2182**	**6**	**4773**	**4773**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY
2018

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	98	11	118	0	227	**498**	97%	73%	94%	83%
	Okaloosa	129	13	128	1	271		99%	77%	97%	90%
Panama City	Walton	29	25	59	1	114	**246**	93%	64%	80%	76%
	Bay	40	25	67	0	132		88%	72%	82%	82%
Tallahassee	Gadsden	52	23	73	0	148	**458**	88%	61%	80%	93%
	Leon	116	36	155	3	310		96%	83%	93%	90%
Jacksonville	Clay	42	40	118	0	200	**385**	100%	95%	98%	85%
	Duval	97	34	53	1	185		92%	88%	91%	85%
Gainesville	Alachua	78	66	85	0	229	**464**	95%	79%	88%	86%
	Levy	71	56	108	0	235		94%	73%	85%	85%
Orlando	Orange	152	128	162	0	442	**776**	88%	74%	81%	82%
	Brevard	141	86	106	1	334		91%	75%	85%	85%
Tampa	Pinellas	34	63	122	0	219	**456**	100%	87%	92%	76%
	Hillsborough	22	65	150	0	237		95%	75%	80%	73%
Palm Beach	St. Lucie	43	97	162	0	302	**700**	98%	80%	86%	80%
	Palm Beach	50	112	235	1	398		92%	79%	83%	69%
Ft. Myers-Naples	Lee	32	97	115	0	244	**440**	100%	84%	88%	88%
	Collier	36	87	73	0	196		100%	89%	92%	93%
Miami	Broward	71	106	102	2	281	**590**	97%	69%	79%	72%
	Dade	70	89	150	0	309		100%	73%	85%	80%
Total		**1403**	**1259**	**2341**	**10**	**5013**	**5013**				

NUMBER OF OBSERVED CHILDREN PER COUNTY AND DMA BY AGE CATEGORY

2017

DMA	County	Age 0-3	Age 4-5	Age 6-12	Age Unk.	County Total	DMA Total	Restraint Use by Age Category			
								0-3	4-5	<6	6-12
Pensacola	Escambia	100	38	84	2	224	**493**	97%	89%	95%	82%
	Okaloosa	149	39	80	1	269		99%	82%	95%	93%
Panama City	Walton	32	35	82	3	152	**327**	100%	80%	90%	73%
	Bay	56	38	79	2	175		98%	82%	91%	73%
Tallahassee	Gadsden	82	26	46	2	156	**461**	90%	49%	80%	83%
	Leon	164	41	98	2	305		99%	83%	96%	95%
Jacksonville	Clay	64	45	84	5	198	**371**	97%	89%	94%	89%
	Duval	61	43	65	4	173		97%	91%	94%	90%
Gainesville	Alachua	95	74	53	7	229	**477**	87%	74%	82%	77%
	Levy	57	83	102	6	248		91%	54%	69%	70%
Orlando	Orange	186	184	137	2	509	**831**	85%	68%	77%	73%
	Brevard	133	110	76	3	322		87%	75%	81%	71%
Tampa	Pinellas	62	89	124	4	279	**567**	98%	90%	93%	96%
	Hillsborough	55	79	152	2	288		98%	97%	98%	93%
Palm Beach	St. Lucie	100	69	134	14	317	**718**	99%	77%	90%	81%
	Palm Beach	97	96	197	11	401		99%	77%	88%	82%
Ft. Myers-Naples	Lee	42	67	102	0	211	**423**	100%	100%	100%	94%
	Collier	34	57	121	0	212		100%	96%	98%	99%
Miami	Broward	131	55	128	10	324	**562**	95%	67%	87%	82%
	Dade	70	35	128	5	238		93%	60%	82%	76%
Total		**1770**	**1303**	**2072**	**85**	**5230**	**5230**				

Appendix C.

Data Collection Form

FLORIDA Child Restraint Use Data Collection Form 2023 - SAMPLE

SITE #: _____ COUNTY: _____ Observer Name: _____ DATE: _____

TIME: _____ a.m. p.m. (circle one) DAY OF WEEK: Sun M Tu W Th F Sat (circle one) DIRECTION OF TRAVEL: N S E W

LOCATION:_____
(street) (cross street or other landmark)

SITE TYPE: 1-Daycare Facility 2-Food Establishment 3-Shopping Center/Grocery Store 4- Entertainment/Recreation place
(circle one)

❒ **SAME VEHICLE AS PREVIOUS** ❒ **OBSERVED ON ADJACENT STREET**

VEHICLE TYPE:
❒Passenger Car ❒SUV
❒Van/Minivan ❒Pickup Truck

DRIVER

RESTRAINT USE:
❒Belted ❒Unk
❒Not Belted

AGE:
❒16-34 ❒60+
❒35-59 ❒Unk

GENDER:
❒Male ❒Female
❒Unk

RACE:
❒White ❒Hispanic ❒Other
❒Black ❒Asian ❒Unk

CHILD PASSENGER 1

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3 ❒4-5
❒6-12

Seating Position

CHILD PASSENGER 2

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3❒4-5
❒6-12

Seating Position

❒ **SAME VEHICLE AS PREVIOUS** ❒ **OBSERVED ON ADJACENT STREET**

VEHICLE TYPE:
❒Passenger Car ❒SUV
❒Van/Minivan ❒Pickup Truck

DRIVER

RESTRAINT USE:
❒Belted ❒Unk
❒Not Belted

AGE:
❒16-34 ❒60+
❒35-59 ❒Unk

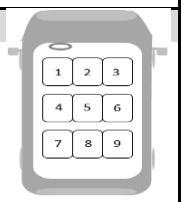
GENDER:
❒Male ❒Female
❒Unk

RACE:
❒White ❒Hispanic ❒Other
❒Black ❒Asian ❒Unk

CHILD PASSENGER 1

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3 ❒4-5
❒6-12

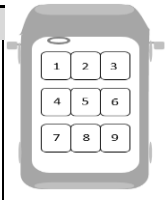


Seating Position

CHILD PASSENGER 2

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3 ❒4-5
❒6-12



Seating Position

❒ **SAME VEHICLE AS PREVIOUS** ❒ **OBSERVED ON ADJACENT STREET**

VEHICLE TYPE:
❒Passenger Car ❒SUV
❒Van/Minivan ❒Pickup Truck

DRIVER

RESTRAINT USE:
❒Belted ❒Unk
❒Not Belted

AGE:
❒16-34 ❒60+
❒35-59 ❒Unk

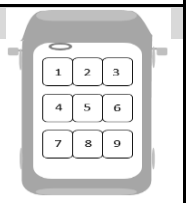
GENDER:
❒Male ❒Female
❒Unk

RACE:
❒White ❒Hispanic ❒Other
❒Black ❒Asian ❒Unk

CHILD PASSENGER 1

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3 ❒4-5
❒6-12

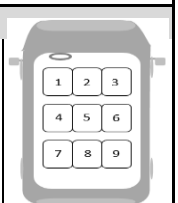


Seating Position

CHILD PASSENGER 2

RESTRAINT USE:
❒Standard Belt ❒Backless Booster
❒Rear-Facing CSS ❒Not Belted
❒Front-Facing CSS ❒Unk
❒High Back Booster

AGE:
❒0-3❒4-5
❒6-12



Seating Position