
Trends and Conditions Special Report – October 2015

Commuting Flow Trends in Florida Metropolitan Areas

Background

This special report of the FDOT Trends and Conditions series provides descriptive data based on the American Community Survey (ACS) reporting of commuting trends for the 2009-2013 period. It highlights commuting trends in Florida's seven major metro areas: Capital Area, Jacksonville Area, Orlando Area, Tampa Bay Area, Southwest Florida Area, Southeast Florida Area, and West Panhandle Area. For each metro area, a graphic is presented that shows commuting flows to and from adjacent counties. Supporting tables are provided to show a tabular presentation of county-to-county flow data and to report commuting by mode and mean commute time by county.

Historically, understanding commuting has been a critical component of understanding total travel. Commuting travel patterns often define a large share of a household's total trip making as measured in share of trips. Work travel demand shapes peak transportation service and infrastructure capacity needs as "rush hours" or peak periods continue to define the most common and, hence, most congested travel times. While commuting has become a smaller share of overall travel and continues to evolve and change in response to demographic, cultural, economic, technologic, and other factors, it remains and will likely continue to remain a very important factor in overall travel demand.

Key Findings

Commuting across county lines among the seven metro areas ranges from 12% in Southwest Florida to 23% in the Jacksonville and Orlando metro areas. In terms of travel modes, commuting by auto still dominates, varying between 87% in Southeast Florida and 92% in the Capital Area. The next in line is home-based employment from 3% in the Capital Area and 5.9% in Southwest Florida. Transit accounts for a very small level of commuting choices from 0.6% in the West Panhandle Area to 3.6% in Southeast Florida. All other areas hover between 1.1% and 1.4%. Biking and walking has the smallest variation from 1.7% in the Orlando Area to 2.4% in Southeast Florida. Other modes make up the rest of commuting modes from 1.2% in the Capital Area to 1.7% in the Orlando Area.

**Figure 1 Jacksonville Area Commuting Flows
2009 - 2013 American Community Survey**

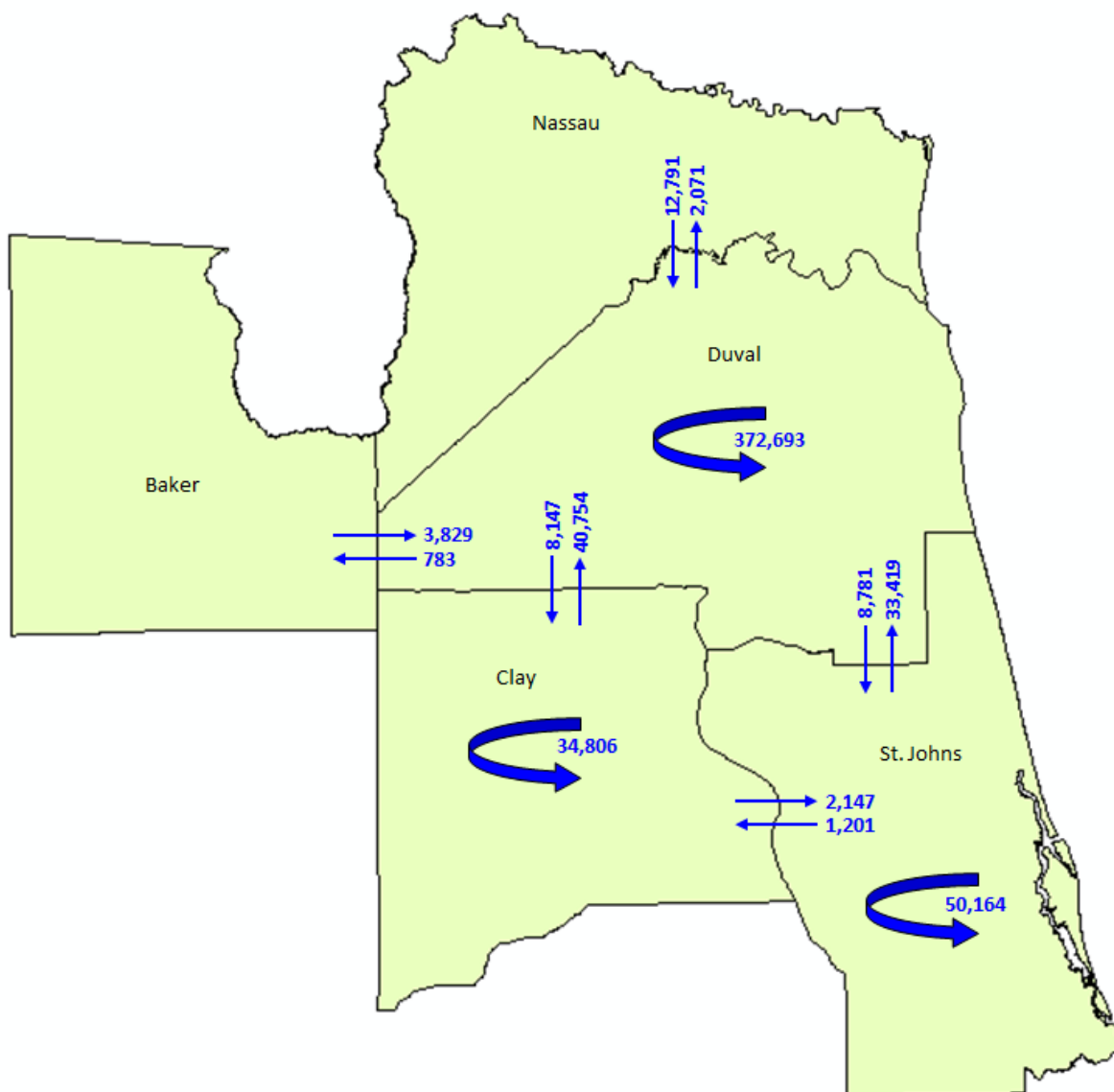


Table 1 Jacksonville Area - Commuting Flows by County

Residence	Work Place			Total Residence
	Clay	Duval	St. Johns	
Clay	34,806	40,754	2,147	84,409
Duval	8,147	372,693	9,035	400,648
St. Johns	1,201	33,419	50,164	89,290
All Other Counties	3,077	31,359	6,633	41,069
Total Work Place	47,231	478,225	67,979	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 2 Jacksonville Area – Mode to Work by County

Mode	Workers Residence							
	Clay		Duval		St. Johns		Total	
	Number	%	Number	%	Number	%	Number	%
All Workers	84,409	100	400,648	100	89,290	100	615,203	100
Drove alone	69,604	82.5	322,388	80.5	72,484	81.2	497,876	80.9
2-person Carpool	7,563	9.0	32,237	8.0	5,817	6.5	49,296	8.0
3-or-more-person Carpool	1,779	1.7	8,704	2.2	973	0.7	12,223	2.0
Public Transportation	228	0.3	6,952	1.7	186	0.2	7,472	1.2
Bike	345	0.4	2,025	0.5	944	1.1	3,586	0.6
Walked	813	1.0	5,363	1.3	1,059	1.2	7,627	1.2
Taxi, Motorcycle and Other means	946	1.1	5,289	1.3	1,545	1.7	8,521	1.4
Worked at Home	3,131	3.7	17,690	4.4	6,282	7.0	28,602	4.6
Mean Travel Time to Work (min)	32.1	-	23.6	-	25.7	-	28.0	-

Source: 2009 – 2013 American Community Survey Table B08301

**Figure 2 Orlando Area Commuting Flows
2009 - 2013 American Community Survey**

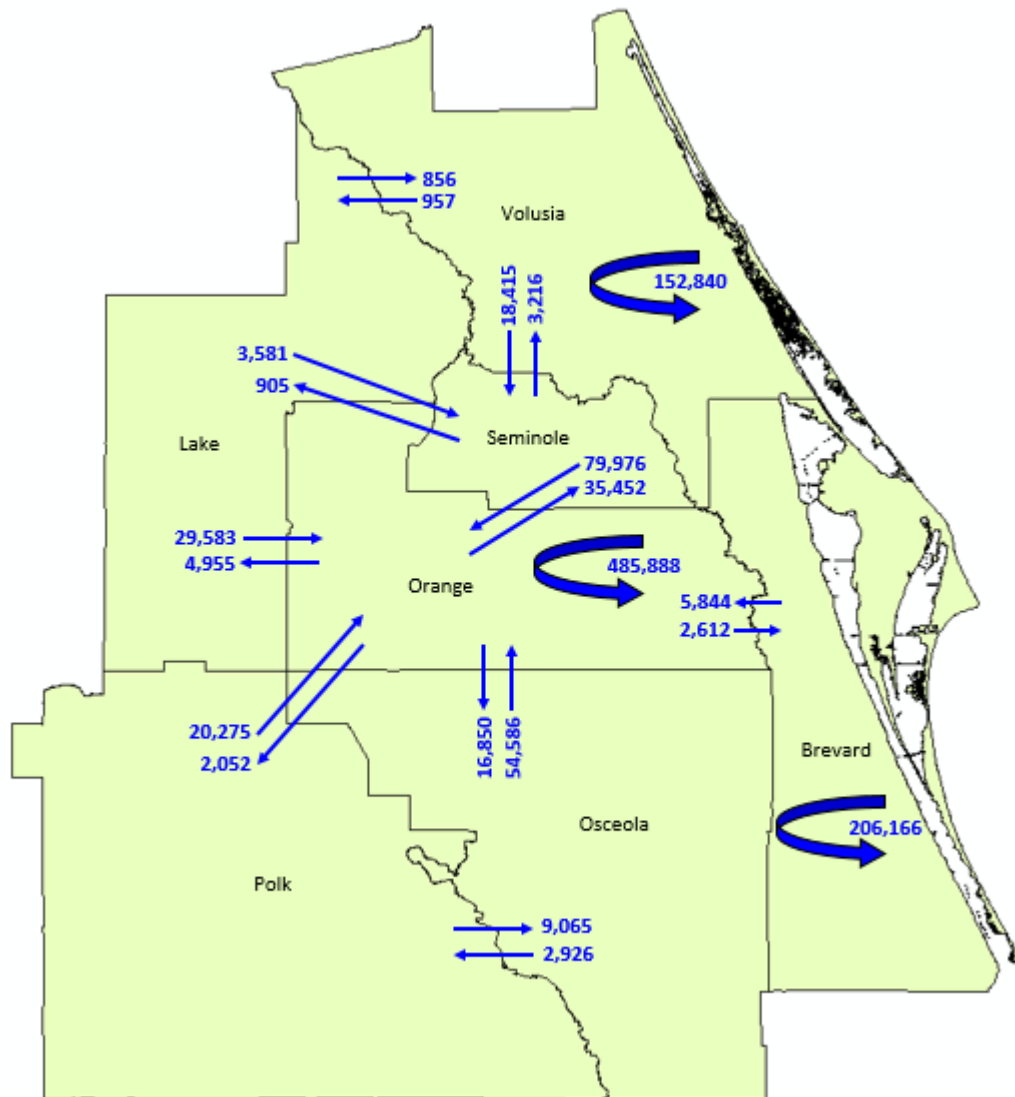


Table 3 Orlando Area - Commuting Flows by County

Residence	Work Place							Total Residence
	Brevard	Lake	Orange	Osceola	Polk	Seminole	Volusia	
Brevard	206,166	63	5,844	749	186	719	856	223,072
Lake	217	67,311	29,583	3,228	1,058	3,581	1,683	115,045
Orange	2,612	4,955	485,888	16,850	2,052	35,452	1,635	559,613
Osceola	559	951	54,586	56,101	2,926	1,809	26	120,030
Polk	101	1,576	20,275	9,065	184,244	249	67	235,020
Seminole	866	905	79,976	1,178	496	110,396	3,216	201,553
Volusia	1,072	957	11,969	306	223	18,415	152,840	193,553
All Other Counties	4,329	11,687	15,249	1,224	17,939	1,716	11,066	63,210
Total Work Place	215,922	88,405	703,370	88,701	209,124	172,337	171,389	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 4 Orlando Area - Mode to Work by County

Mode	Workers Residence														Total	
	Brevard		Lake		Orange		Osceola		Polk		Seminole		Volusia			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	223,072	100	115,045	100	559,613	100	120,030	100	235,020	100	201,553	100	193,553	100	1,647,886	100
Drove alone	185,021	82.9	93,365	81.2	447,599	80.0	95,608	79.7	190,892	81.2	169,597	84.1	158,865	82.1	1,340,947	81.4
2-person Carpool	15,831	7.1	9,614	8.4	41,906	7.5	10,843	9.0	20,685	8.8	11,981	5.9	12,007	6.2	122,867	7.5
3-or-more- person Carpool	3,210	1.4	3,125	2.7	10,487	1.9	2,894	2.4	6,049	2.6	2,401	1.2	3,721	1.9	31,887	1.9
Public Transportation	1,120	0.5	351	0.3	15,630	2.8	1,953	1.6	1,104	0.5	1,094	0.5	1,784	0.9	23,036	1.4
Bike	1,270	0.6	325	0.3	2,872	0.5	559	0.5	549	0.2	1,066	0.5	1,144	0.6	7,785	0.5
Walked	2,392	1.1	1,324	1.2	7,030	1.3	852	0.7	2,658	1.1	1,827	0.9	3,166	1.6	19,249	1.2
Taxi, Motorcycle and Other means	4,121	1.8	1,604	1.4	9,598	1.7	2,357	2.0	4,349	1.9	2,520	1.3	4,093	2.1	28,642	1.7
Worked at Home	10,107	4.5	5,337	4.6	24,491	4.4	4,964	4.1	8,734	3.7	11,067	5.5	8,773	4.5	73,473	4.5
Mean Travel Time to Work (min)	23.7	-	27.7	-	26.3	-	30.6	-	25.8	-	26.3	-	25.4	-	26.5	-

Source: 2009 – 2013 American Community Survey Table B08301.

Figure 3 Tampa Bay Area Commuting Flows
2009 - 2013 American Community Survey

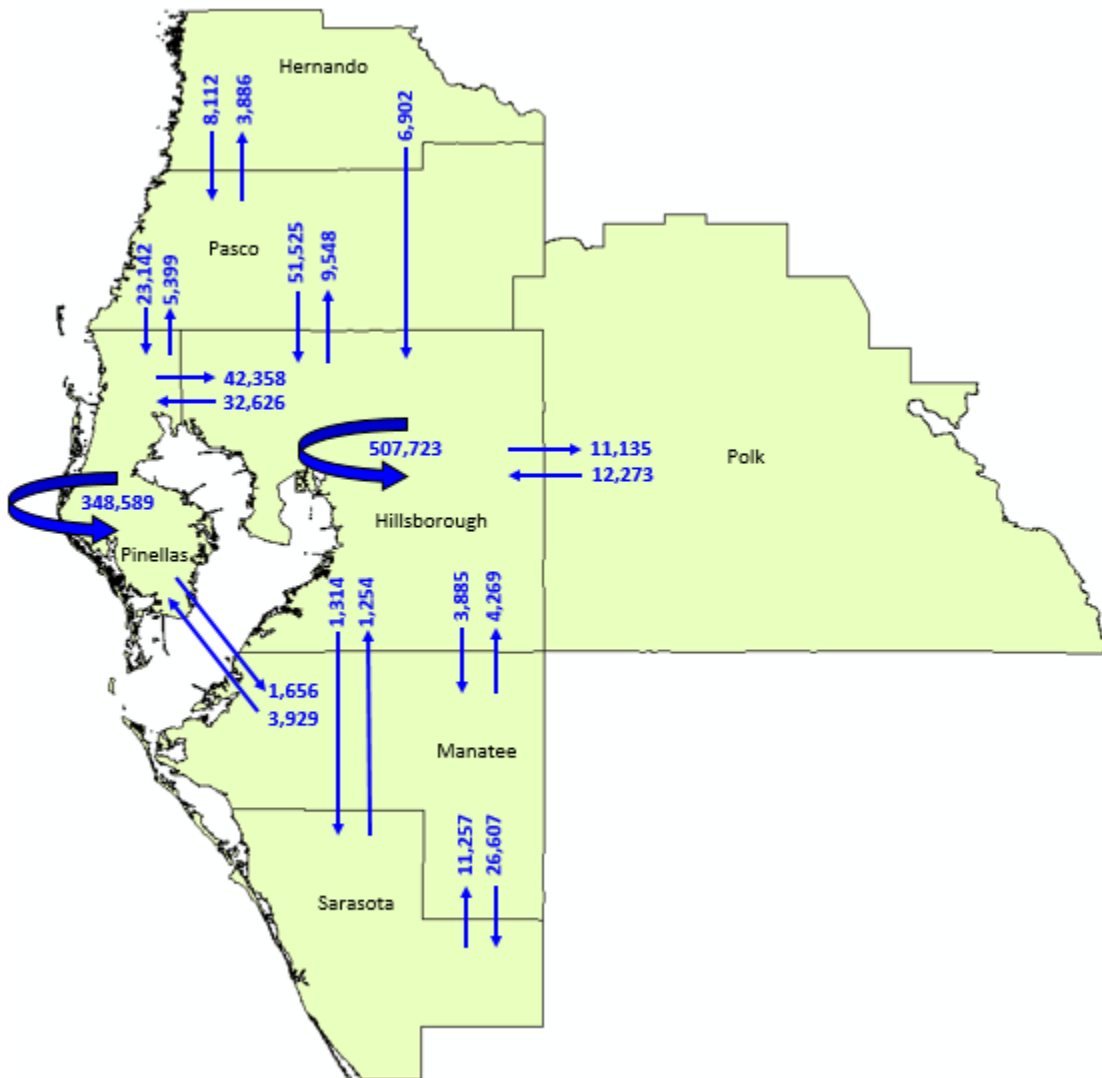


Table 5 Tampa Bay Area - Commuting Flows by County

Residence	Work Place							Total Residence
	Hernando	Hillsborough	Manatee	Pasco	Pinellas	Polk	Sarasota	
Hernando	33,967	6,902	126	8,112	2,581	223		55,363
Hillsborough	628	507,723	3,885	9,548	32,626	11,135	1,314	577,297
Manatee	49	4,269	92,571	37	3,929	282	26,607	130,870
Pasco	3,886	51,525	101	93,607	23,142	1,443	157	178,321
Pinellas	344	42,358	1,656	5,399	348,589	581	737	406,181
Polk	50	12,273	327	859	442	184,244	64	235,020
Sarasota		1,254	11,257	64	598	106	121,455	146,715
All Other Counties	2,267	11,633	1,657	2,244	3,919	11,110	9,894	42,724
Total Work Place	41,191	637,937	111,580	119,870	415,826	209,124	160,228	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 6 Tampa Bay Area - Mode to Work by County

Mode	Workers Residence														Total	
	Hernando		Hillsborough		Manatee		Pasco		Pinellas		Polk		Sarasota			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	55,363	100	577,297	100	130,870	100	178,321	100	406,181	100	235,020	100	146,715	100	1,729,767	100
Drove alone	45,999	83.1	461,778	80.0	104,022	79.5	144,917	81.3	327,678	80.7	190,892	81.2	120,581	82.2	1,395,867	80.7
2-person Carpool	4,318	7.8	44,675	7.7	10,032	7.7	14,086	7.9	28,515	7.0	20,685	8.8	8,996	6.1	131,307	7.6
3-or-more- person Carpool	1,142	2.1	10,591	1.8	3,946	3.0	3,605	2.0	5,307	1.3	6,049	2.6	2,301	1.6	32,941	1.9
Public Transportation	89	0.2	8,770	1.5	985	0.8	838	0.5	6,906	1.7	1,104	0.5	1,333	0.9	20,025	1.2
Bike	155	0.3	4,166	0.7	713	0.5	798	0.4	4,207	1.0	549	0.2	1,669	1.1	12,257	0.7
Walked	436	0.8	9,595	1.7	2,007	1.5	1,782	1.0	6,761	1.7	2,658	1.1	1,858	1.3	25,097	1.5
Taxi, Motorcycle and Other means	633	1.1	7,240	1.3	1,869	1.4	2,447	1.4	5,890	1.5	4,349	1.9	2,132	1.5	24,560	1.4
Worked at Home	2,591	4.7	30,482	5.3	7,296	5.6	9,848	5.5	20,917	5.1	8,734	3.7	7,845	5.3	87,713	5.1
Mean Travel Time to Work (min)	30.0	-	25.7	-	23.9	-	30.0	-	23.4	-	25.8	-	21.9	-	25.8	-

Source: 2009 – 2013 American Community Survey Table B08301

Figure 4 Southeast Florida Commuting Flows
2009 - 2013 American Community Survey

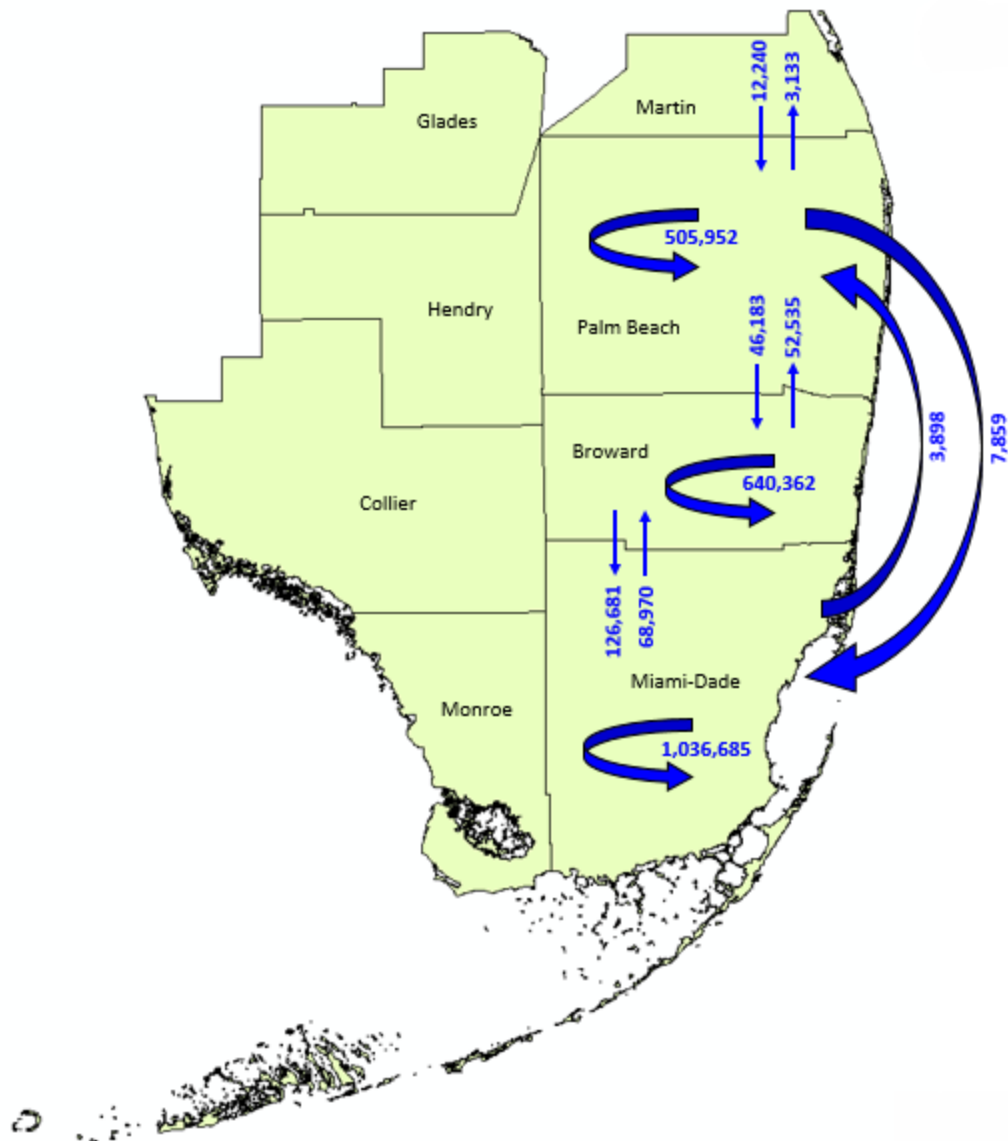


Table 7 Southeast Florida - Commuting Flows by County

Residence	Work Place				
	Broward	Martin	Miami-Dade	Palm Beach	Total Residence
Broward	640,362	271	126,681	52,535	832,065
Martin	491	37,296	289	12,240	57,043
Miami-Dade	68,970	121	1,036,685	3,898	1,122,339
Palm Beach	46,183	3,133	7,859	505,952	575,037
All Other Counties	10,019	18,544	16,006	16,784	61,353
Total Work Place	766,025	59,365	1,187,520	591,409	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 8 Southeast Florida - Mode to Work by

Mode	Workers Residence									
	Broward		Martin		Miami-Dade		Palm Beach		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	832,065	100	57,043	100	1,122,339	100	575,037	100	2,586,484	100
Drove alone	662,569	79.6	44,449	77.9	861,035	76.7	452,152	78.6	2,020,205	78.1
2-person Carpool	64,380	7.7	4,356	7.6	81,959	7.3	42,046	7.3	192,741	7.5
3-or-more-person Carpool	17,150	2.1	2,094	3.7	24,055	2.1	17,765	3.1	61,064	2.4
Public Transportation	24,388	2.9	158	0.3	60,428	5.4	9,791	1.7	94,765	3.7
Bike	4,828	0.6	467	0.8	6,721	0.6	3,374	0.6	15,390	0.6
Walked	10,901	1.3	1,086	1.9	26,291	2.3	9,066	1.6	47,344	1.8
Taxi, Motorcycle and Other means	11,014	1.3	826	1.4	15,306	1.4	7,546	1.3	34,692	1.3
Worked at Home	36,835	4.4	3,607	6.3	46,544	4.1	33,297	5.8	120,283	4.7
Mean Travel Time to Work (min)	27.2	-	24.4	-	29.0	-	24.5	-	24.9	-

Source: 2009 – 2013 American Community Survey Table B08301

**Figure 5 Southwest Florida Commuting Flows
2009 - 2013 American Community Survey**

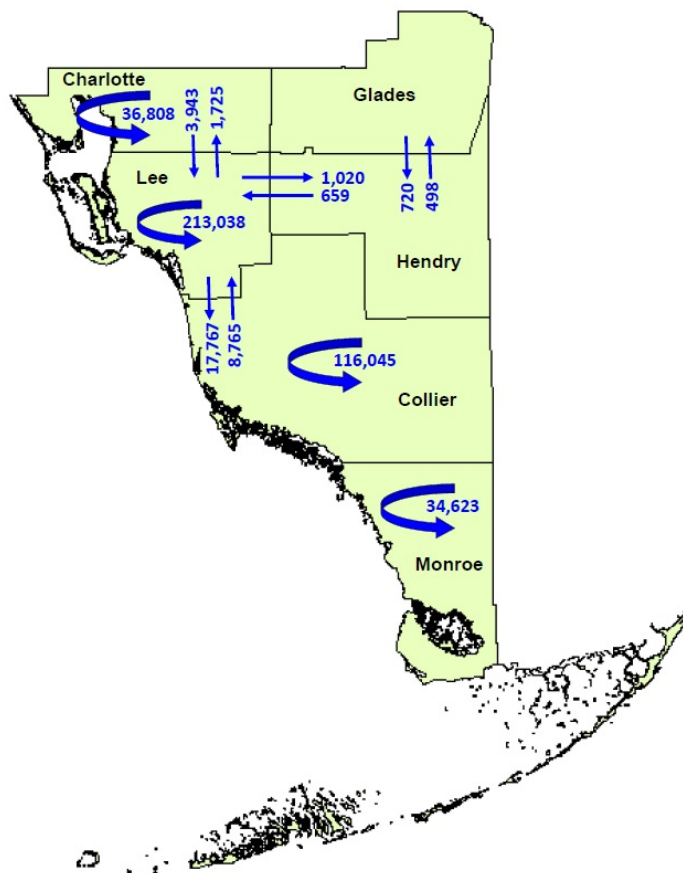


Table 9 Southwest Florida – Commuting Flows by County

Residence	Work Place						Total Residence
	Charlotte	Collier	Glades	Hendry	Lee	Monroe	
Charlotte	36,808	412		17	3,943		52,317
Collier	39	116,045		426	8,765	29	129,802
Glades			1,752	720	343		3,781
Hendry	50	658	498	10,814	659	26	14,125
Lee	1,725	17,767	99	1,020	213,038		242,522
Monroe					7	34,623	37,094
All Other Counties	9,204	2,057	387	1,017	4,051	4,859	21,575
Total Work Place	47,826	136,939	2,736	14,014	230,806	39,537	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 10 Southwest Florida - Mode to Work by County

Mode	Workers Residence													
	Charlotte		Collier		Glades		Hendry		Lee		Monroe		Total	
	Number	%	Number	%	Number	%	Number	%	Number	%			Number	%
All Workers	52,317	100%	129,802	100%	3,781	100%	14,125	100%	242,522	100%	37,094	100%	479,641	100.0%
Drove alone	41,348	79.0%	96,379	74.3%	2,726	72.1%	9,194	65.1%	185,450	76.5%	24,114	65.0%	359,211	74.9%
2-person Carpool	4,115	7.9%	10,449	8.0%	483	12.8%	1,369	9.7%	22,894	9.4%	2,746	7.4%	42,056	8.8%
3-or-more- person Carpool	1,011	1.9%	4,774	3.7%	159	4.2%	1,006	7.1%	7,454	3.1%	751	2.0%	15,155	3.2%
Public Transportation	182	0.3%	2,675	2.1%	92	2.4%	914	6.5%	2,826	1.2%	765	2.1%	7,454	1.6%
Bike	349	0.7%	1,061	0.8%	0	0.0%	123	0.9%	1,782	0.7%	2,897	7.8%	6,212	1.3%
Walked	573	1.1%	2,280	1.8%	231	6.1%	413	2.9%	2,591	1.1%	1,770	4.8%	7,858	1.6%
Taxi, Motorcycle and Other means	2,171	4.1%	3,486	2.7%	40	1.1%	562	4.0%	5,311	2.2%	1,900	5.1%	13,470	2.8%
Worked at Home	2,568	4.9%	8,698	6.7%	50	1.3%	544	3.9%	14,214	5.9%	2,151	5.8%	28,225	5.9%
Mean Travel Time to Work (min)	23.3	-	23.6	-	24.5	-	27.5	-	26.9	-	18.8	-	24.1	-

Source: 2009 – 2013 American Community Survey Table B08301

**Figure 6 West Panhandle Commuting Flows
2009 - 2013 American Community Survey**

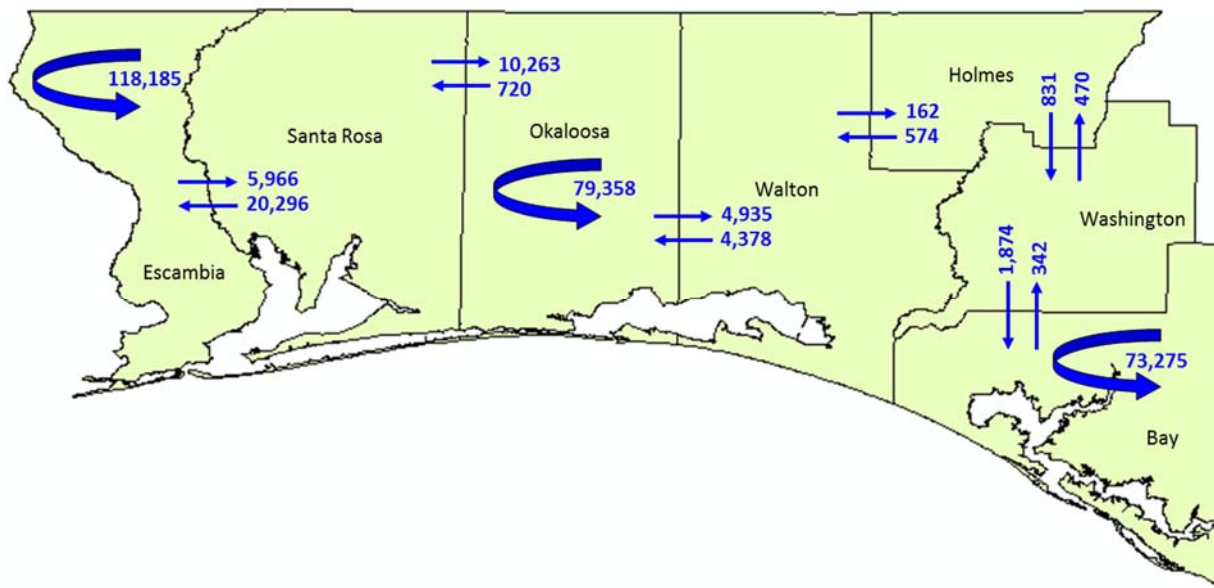


Table 11 West Panhandle Area - Commuting Flows by County

Residence	Work Place							Total Residence
	Bay	Escambia	Holmes	Okaloosa	Santa Rosa	Walton	Washington	
Bay	73,275	123	49	285		917	342	77,511
Escambia	31	118,185		1,203	5,966	108	8	131,697
Holmes	206	27	2,875	56	39	547	831	6,256
Okaloosa	244	516	119	79,358	720	4,934	27	88,658
Santa Rosa	71	20,296		10,263	32,344	187		66,275
Walton	496	111	162	4,378	15	16,213	62	22,977
Washington	1,874	19	470	7		122	4,386	8,211
All Other Counties	3,071	5,920	320	1,286	555	1,279	1,286	13,717
Total Work Place	79,268	145,197	3,995	96,836	39,639	24,307	6,942	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 12 West Panhandle Area - Mode to Work by County

Mode	Workers Residence														Total	
	Bay		Escambia		Holmes		Okaloosa		Santa Rosa		Walton		Washington			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	77,511	100	131,697	100	6,256	100	88,658	100	66,275	100	22,977	100	8,211	100	401,585	100
Drove alone	64,553	83.3	99,221	75.3	5,211	83.3	73,552	83.0	54,641	82.4	18,959	82.5	6,596	80.3	322,733	80.4
2-person Carpool	6,568	8.5	10,680	8.1	471	7.5	6,295	7.1	5,293	8.0	1,717	7.5	840	10.2	31,864	7.9
3-or-more- person Carpool	1,407	1.8	2,599	2.0	180	2.9	1,724	1.9	1,705	2.6	496	2.2	147	1.8	8,258	2.1
Public Transportation	461	0.6	931	0.7	0	0.0	634	0.7	158	0.2	25	0.1	23	0.3	2,232	0.6
Bike	480	0.6	465	0.4	0	0.0	569	0.6	118	0.2	65	0.3	1	0.0	1,698	0.4
Walked	1,225	1.6	3,705	2.8	149	2.4	1,186	1.3	468	0.7	150	0.7	215	2.6	7,098	1.8
Taxi, Motorcycle and Other means	850	1.1	1,737	1.3	35	0.6	2,064	2.3	921	1.4	670	2.9	232	2.8	6,509	1.6
Worked at Home	1,967	2.5	12,359	9.4	210	3.4	2,634	3.0	2,971	4.5	895	3.9	157	1.9	21,193	5.3
Mean Travel Time to Work (min)	21.3	-	22.2	-	29.7	-	22.9	-	27.1	-	25.5	-	28.1	-	25.3	-

Source: 2009 – 2013 American Community Survey Table B08301

**Figure 7 Capital Area Commuting Flows
2009 - 2013 American Community Survey**

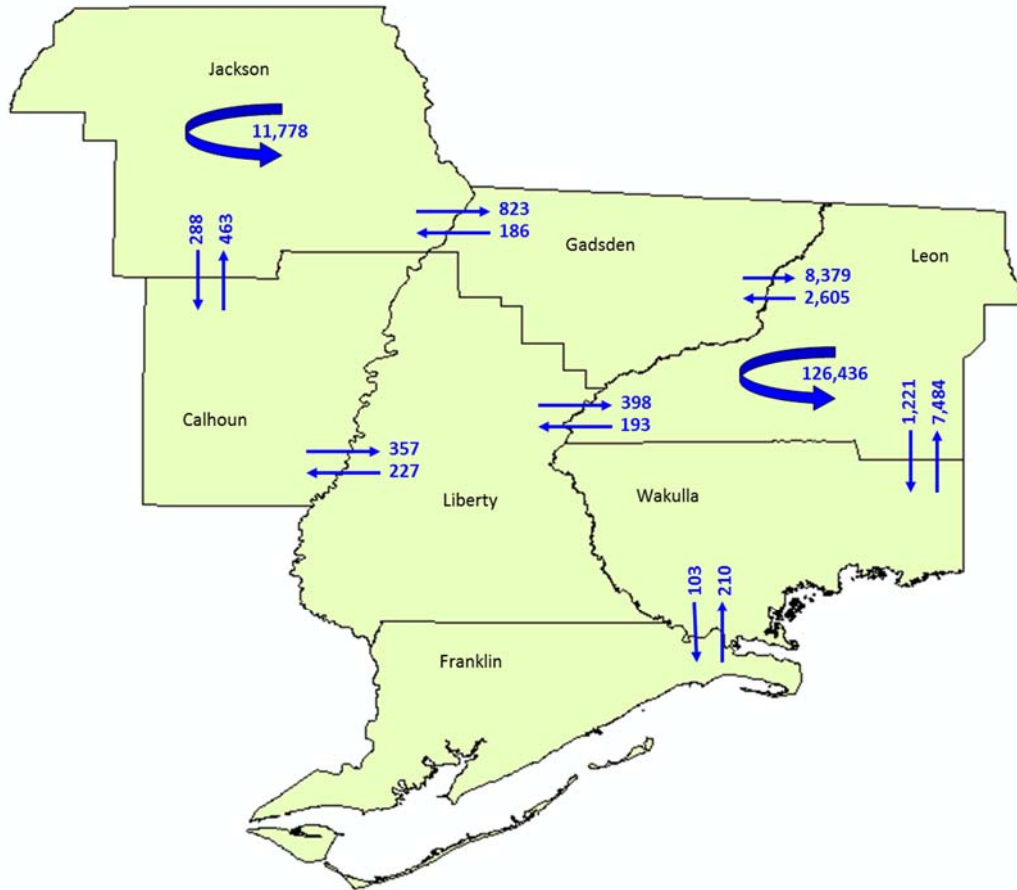


Table 13 Capital Area – Commuting Flows by County

Residence	Work Place							Total Residence
	Calhoun	Franklin	Gadsden	Jackson	Leon	Liberty	Wakulla	
Calhoun	2,301		169	463	166	357		4,281
Franklin		3,516	7		134		103	4,082
Gadsden	4	18	7,607	186	8,379	128	80	16,931
Jackson	288		823	11,778	381	31		15,846
Leon	72	26	2,605	74	126,436	193	1,221	134,040
Liberty	227	2	207	185	398	1,505		2,652
Wakulla		210	108	20	7,484		4,770	12,703
All Other Counties	207	204	961	2,777	8,754	98	135	13,136
Total Work Place	3,099	3,976	12,487	15,483	152,132	2,312	6,309	

Color Key: Intra-County Trips Inter-County Trips Totals

Source: 2009 – 2013 American Community Survey

Table 14 Capital Area - Mode to Work by County

Mode	Workers Residence														Total	
	Calhoun		Franklin		Gadsden		Jackson		Leon		Liberty		Wakulla			
	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%	Number	%
All Workers	4,281	100	4,082	100	16,931	100	15,846	100	134,040	100	2,652	100	12,703	100	190,535	100
Drove alone	3,526	82.4	3,013	73.8	13,499	79.7	13,771	86.9	109,574	81.7	2,037	76.8	10,597	83.4	156,017	81.9
2-person Carpool	344	8.0	448	11.0	1,890	11.2	1,051	6.6	10,053	7.5	204	7.7	1,399	11.0	15,389	8.1
3-or-more- person Carpool	259	6.0	141	3.5	578	3.4	190	1.2	2,863	2.1	143	5.4	181	1.4	4,355	2.3
Public Transportation	0	0.0	14	0.3	96	0.6	17	0.1	2,026	1.5	79	3.0	10	0.1	2,242	1.2
Bike	18	0.4	37	0.9	0	0.0	35	0.2	875	0.7	0	0.0	0	0.0	965	0.5
Walked	8	0.2	103	2.5	242	1.4	181	1.1	2,843	2.1	90	3.4	23	0.2	3,490	1.8
Taxi, Motorcycle and Other means	58	1.4	53	1.3	399	2.4	279	1.8	1,264	0.9	33	1.2	130	1.0	2,216	1.2
Worked at Home	68	1.6	183	4.5	227	1.3	322	2.0	4,542	3.4	66	2.5	363	2.9	5,771	3.0
Mean Travel Time to Work (min)	28.8	-	22.3	-	28.0	-	24.0	-	19.9	-	28.7	-	30.4	-	182	-

Source: 2009 – 2013 American Community Survey Table B0830