2017 Transit Accessibility Report: Florida

Prepared for the state of Florida by the
Accessibility Observatory at the University of Minnesota

May 16, 2018

**ACCESSIBILITY
OBSERVATORY**

UNIVERSITY OF MINNESOTA
Driven to Discover℠

Authors

Andrew Owen
Director, Accessibility Observatory
University of Minnesota

Brendan Murphy
Lead Researcher, Accessibility Observatory
University of Minnesota

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1 Introduction

This report presents the results of an evaluation of accessibility to jobs by transit throughout the state of Florida. *Accessibility* refers to the ease of reaching valued destinations. It combines the simpler metric of mobility with the understanding that travel is driven by a desire to reach destinations. Accessibility can be measured for various transportation modes, to different types of destinations, and at different times of day. There are a variety of ways to define accessibility, but the number of destinations reachable within a given travel time is highly comprehensible and transparent—as well as the most directly comparable across locations.

This study focuses on access to jobs, the most significant non-home travel destination. Accessibility is calculated at the Census block level by computing the travel time from each block to surrounding blocks, and then adding up the total number of jobs that can be reached within different travel time thresholds. This process is repeated for every block within the state of Florida, and the results are aggregated to provide accessibility summaries for each county, and the jurisdiction of each metropolitan planning organization (MPO), within the state.

Section 2 presents these results, summarized statewide, by MPO, and by county. Section 3 provides an overview of the data sources and methodology used in this study. A separate document, *Access Across America: Transit 2017 Methodology*, describes the methodology and data sources in greater detail.

2 Accessibility Evaluation Results

2.1 Statewide Accessibility

Florida

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-3.05%**
Total Jobs	**8,010,018**
Average Job Density (per mi^2)	**147**
Total Workers	**8,014,483**
Average Worker Density (per mi^2)	**147**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
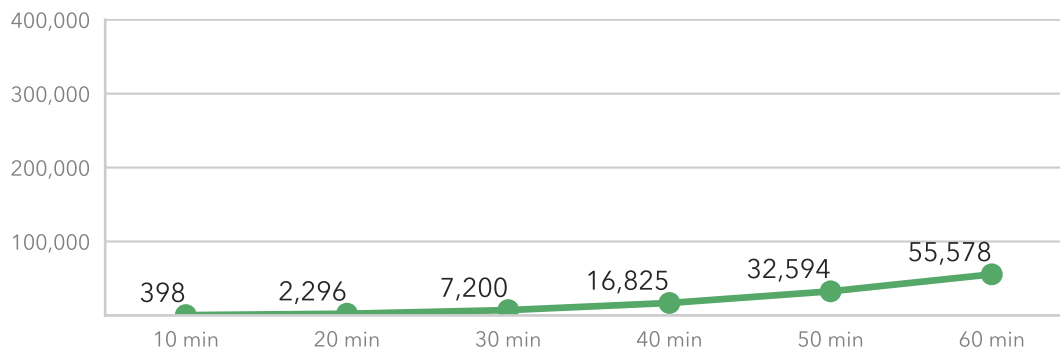
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
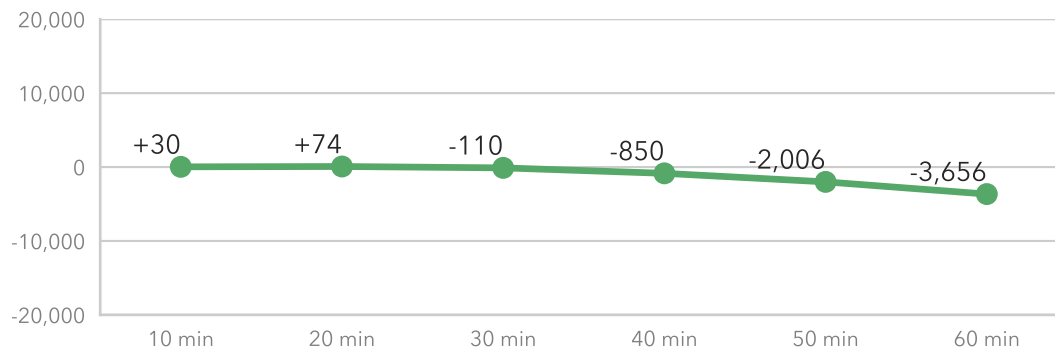
Florida

Jobs within 30 minutes
(Transit, AM peak)

- 0 – 1,000
- 1,000 – 2,500
- 2,500 – 5,000
- 5,000 – 7,500
- 7,500 – 10,000
- 10,000 – 25,000
- 25,000 – 50,000
- 50,000 – 75,000
- 75,000 – 100,000
- 100,000 – 250,000
- 250,000 – 500,000
- 500,000 – 750,000
- 750,000 – 1,000,000
- 1,000,000 – 2,500,000
- 2,500,000 – 5,000,000
- 5,000,000 – 7,500,000
- 7,500,000 – 10,000,000
- 10,000,000 +
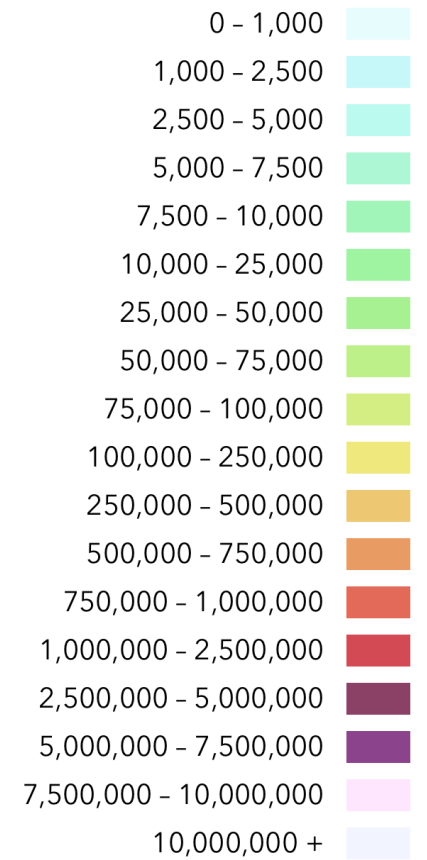
State border
MPO boundary

2.2 Accessibility in Metropolitan Areas

The following sections analyze accessibility in the metropolitan areas (as defined by jurisdictions of MPOs that lie within or partially within the state of Florida. The following MPO jurisdictions are included:

- Bay County Transportation Planning Organization

- Broward MPO

- Capital Region Transportation Planning Agency

- Charlotte-Punta Gorda MPO

- Collier MPO

- Florida-Alabama Transportation Planning Organization

- Forward Pinellas

- Gainesville MTPO

- Heartland Regional TPO

- Hernando/Citrus MPO

- Hillsborough MPO

- Indian River County MPO

- Lake-Sumter MPO

- Lee County MPO

- METROPLAN Orlando

- Martin MPO

- Miami-Dade TPO

- North Florida Transportation Planning Organization

- Ocala - Marion County Tranportation Planning Organization

- Okaloosa-Walton Transportation Planning Organization

- Palm Beach MPO

- Pasco County MPO

- Polk County Transportation Planning Organization

- River to Sea Transporation Planning Organization

- Sarasota-Manatee MPO

- Space Coast Transportation Planning Organization

- St. Lucie Transportation Planning Organization

Table 1 provides the average (worker-weighted–see Section 3.4) job accessibility by transit during the AM peak period for each MPO. The following pages provide additional details and maps for each MPO.

Table 1: Average Job Accessibility by Travel Time Threshold for Metropolitan Areas (Transit, AM Peak)

MPO	10 min	20 min	30 min	40 min	50 min	60 min
Bay County Transportation Planning Organization	153	764	2,076	4,081	6,821	10,240
Broward MPO	398	2,718	10,096	26,827	56,899	104,423
Capital Region Transportation Planning Agency	192	1,301	4,413	10,465	19,059	29,211
Charlotte-Punta Gorda MPO	93	469	1,135	2,138	3,319	4,662
Collier MPO	171	741	2,003	4,165	7,526	12,401
Florida-Alabama Transportation Planning Organization	171	936	2,795	6,065	10,930	17,370
Forward Pinellas	437	2,674	8,959	21,098	40,772	69,250
Gainesville MTPO	396	2,723	9,326	20,568	35,402	50,401
Heartland Regional TPO	102	404	785	1,192	1,593	1,970
Hernando/Citrus MPO	56	262	659	1,281	2,152	3,272
Hillsborough MPO	381	2,399	8,042	19,172	37,036	62,166
Indian River County MPO	117	560	1,310	2,364	3,718	5,441
Lake-Sumter MPO	115	399	881	1,546	2,350	3,310
Lee County MPO	157	829	2,362	4,987	8,827	14,164
METROPLAN Orlando	359	1,997	6,225	14,942	30,435	54,680
Martin MPO	181	654	1,610	2,992	4,800	7,059
Miami-Dade TPO	1,265	7,459	22,387	50,496	94,724	157,064
North Florida Transportation Planning Organization	281	1,226	3,813	9,463	19,241	33,095
Ocala - Marion County Tranportation Planning Organization	109	534	1,490	3,061	5,183	7,737
Okaloosa-Walton Transportation Planning Organization	196	859	2,146	4,026	6,296	8,835
Palm Beach MPO	296	1,687	5,341	12,579	24,766	43,400
Pasco County MPO	119	387	915	1,652	2,644	3,782
Polk County Transportation Planning Organization	156	723	1,787	3,173	5,033	7,299
River to Sea Transporation Planning Organization	140	716	1,996	4,226	7,549	11,832
Sarasota-Manatee MPO	216	1,230	3,699	8,299	15,365	24,821
Space Coast Transportation Planning Organization	154	634	1,721	3,647	6,741	11,231
St. Lucie Transportation Planning Organization	118	559	1,444	2,869	4,619	6,876

Bay County Transportation Planning Organization

Job Accessibility Results—Transit, 2017

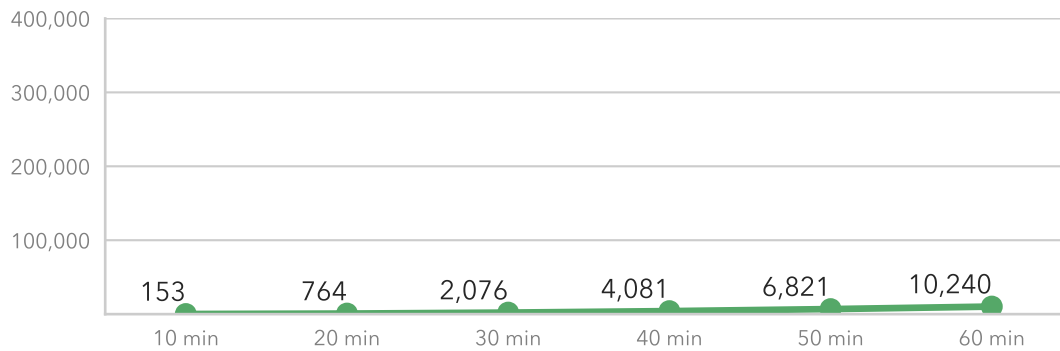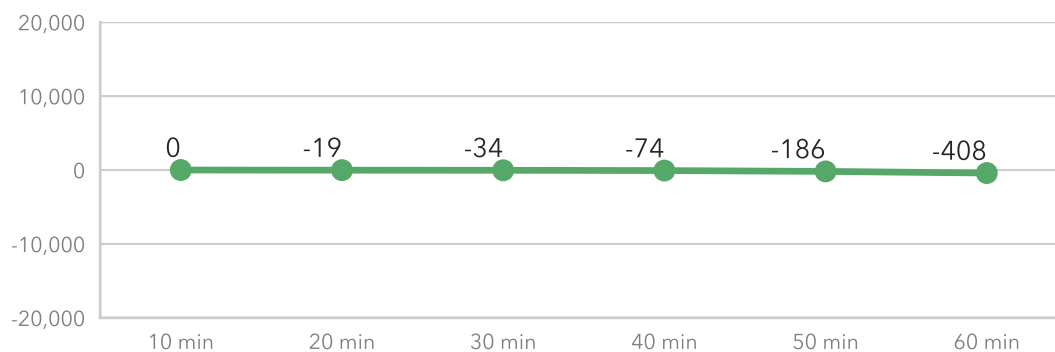|	
1-Year Change in Weighted Accessibility	**-2.22%**
Total Jobs	**75,086**
Average Job Density (per mi^2)	**188**
Total Workers	**71,517**
Average Worker Density (per mi^2)	**179**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	153	764	2,076	4,081	6,821	10,240

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	0	-19	-34	-74	-186	-408

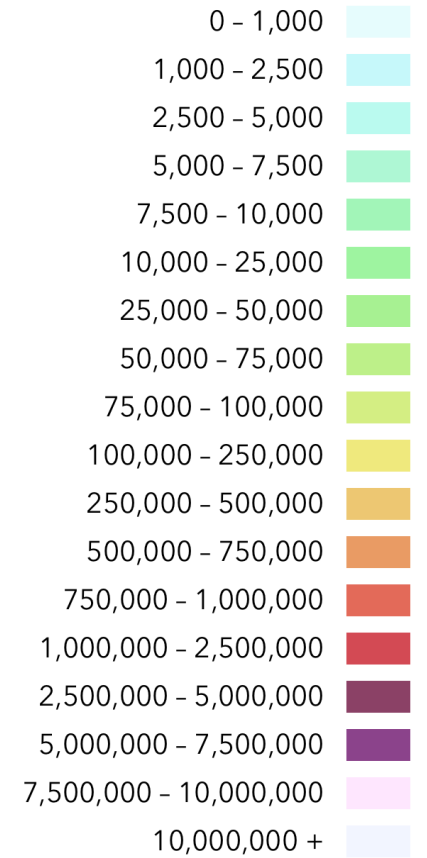## Transit Schedules Included

Agency	Dates
Bay Town Trolley	September 1, 2016 – January 2, 2018

Bay County Transportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

- 0 – 1,000
- 1,000 – 2,500
- 2,500 – 5,000
- 5,000 – 7,500
- 7,500 – 10,000
- 10,000 – 25,000
- 25,000 – 50,000
- 50,000 – 75,000
- 75,000 – 100,000
- 100,000 – 250,000
- 250,000 – 500,000
- 500,000 – 750,000
- 750,000 – 1,000,000
- 1,000,000 – 2,500,000
- 2,500,000 – 5,000,000
- 5,000,000 – 7,500,000
- 7,500,000 – 10,000,000
- 10,000,000 +
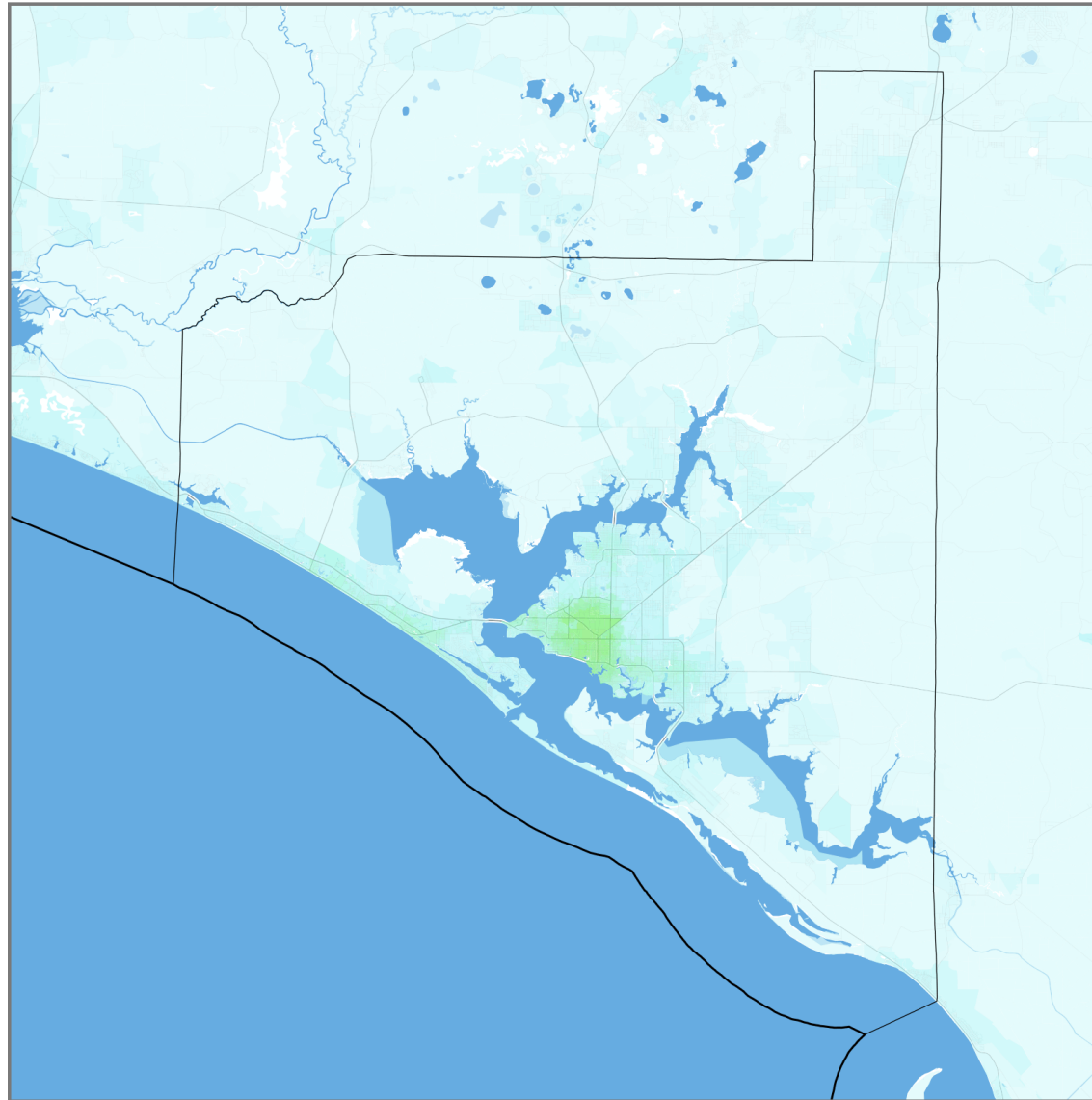
State border ——
MPO boundary ——

Broward MPO
Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+3.84%**
Total Jobs	**798,605**
Average Job Density (per mi^2)	**1688**
Total Workers	**812,934**
Average Worker Density (per mi^2)	**1718**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
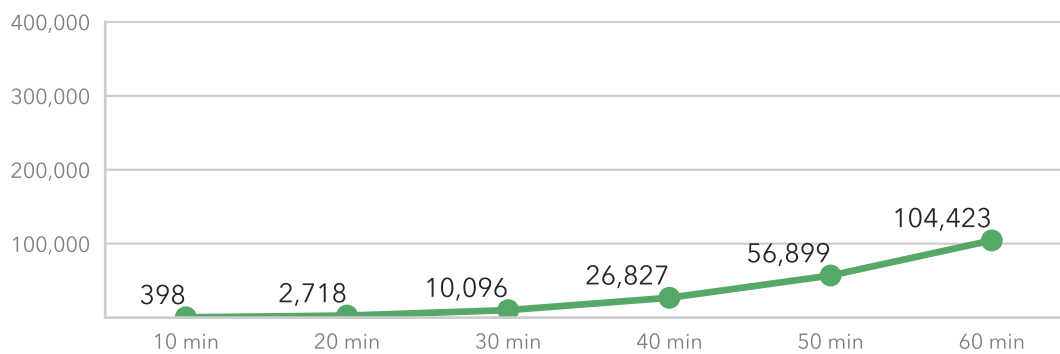
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
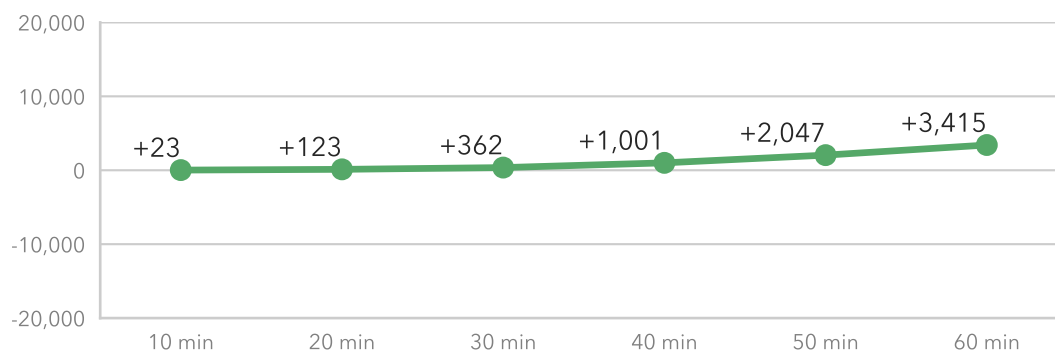
Transit Schedules Included

Agency	Dates
Broward County Transit	January 15, 2017 – June 17, 2017
Miami-Dade Transit	November 20, 2016 – September 16, 2017
Palm Tran	January 8, 2017 – May 13, 2017
SFRTA/Tri-Rail	April 20, 2012 – December 31, 2024

Broward MPO
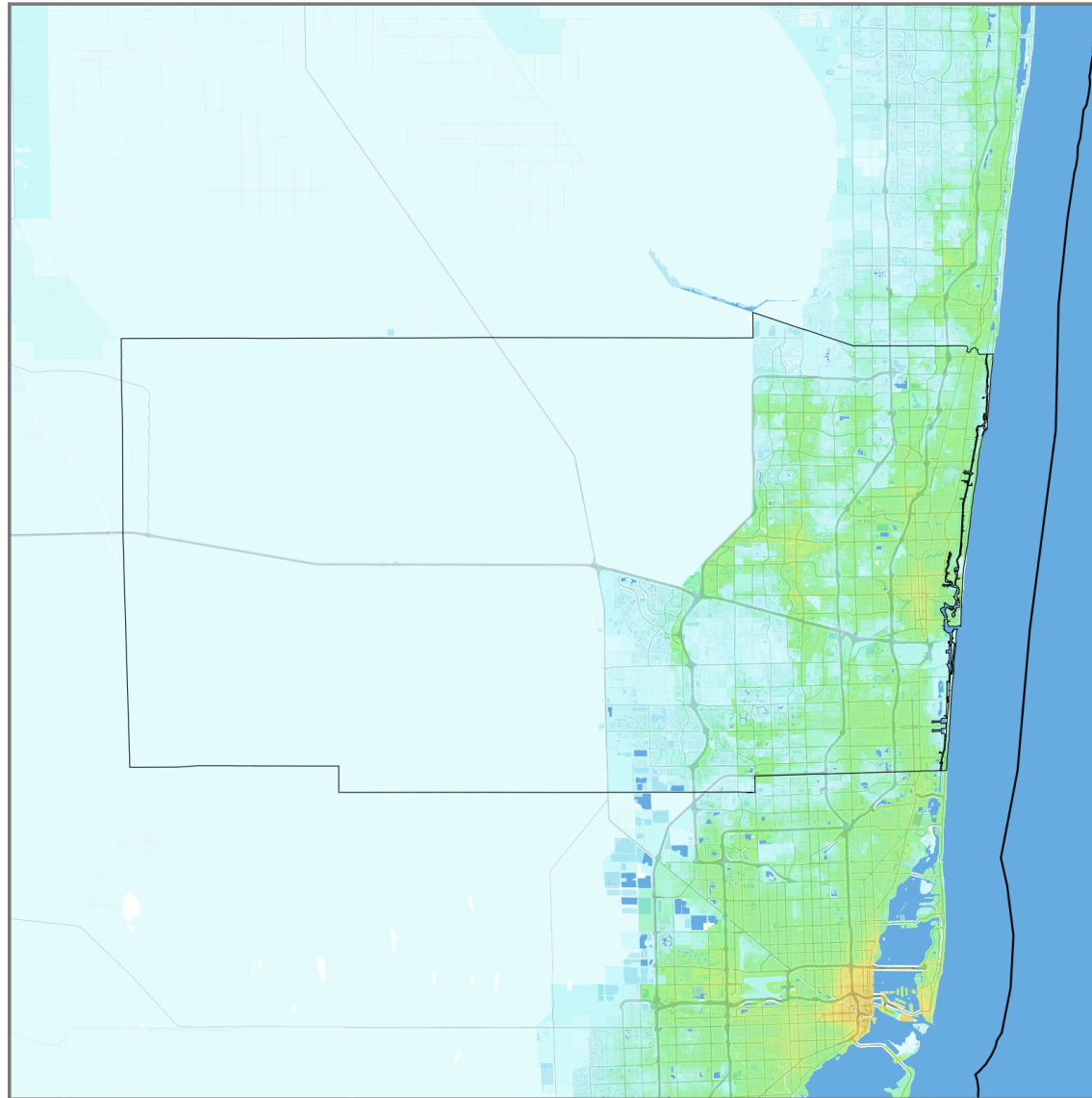
Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ———
MPO boundary ———

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Capital Region Transportation Planning Agency
Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+3.55%**
Total Jobs	**169,408**
Average Job Density (per mi^2)	**178**
Total Workers	**154,307**
Average Worker Density (per mi^2)	**162**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
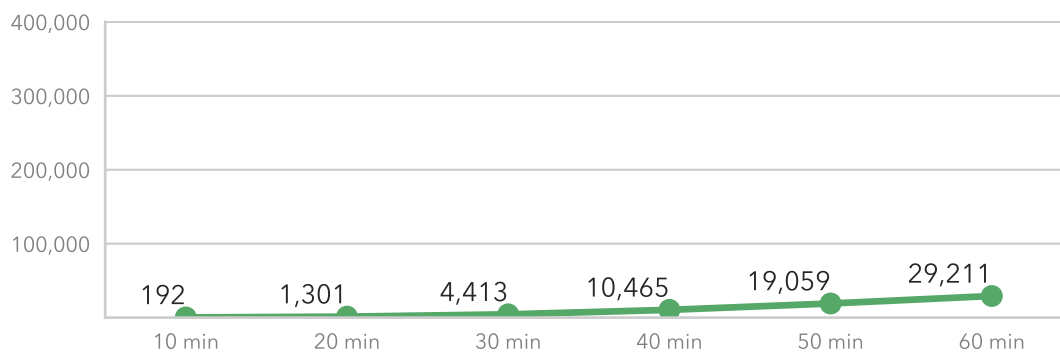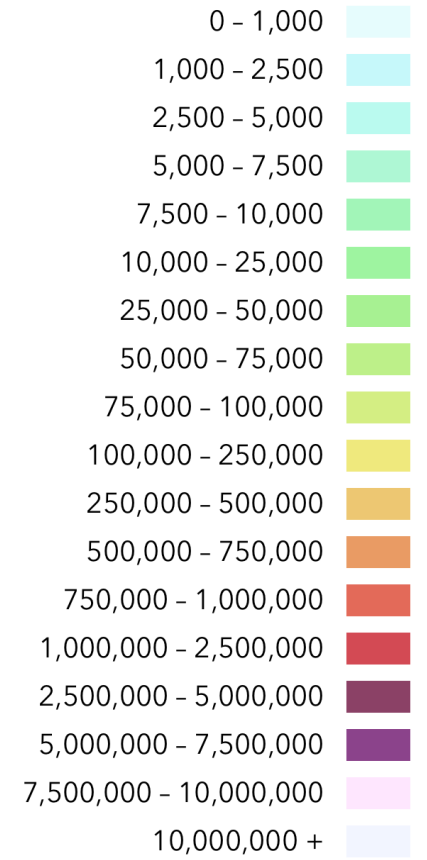

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Transit Schedules Included

Agency	Dates
StarMetro	April 4, 2015 – May 1, 2015

Capital Region Transportation Planning Agency

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
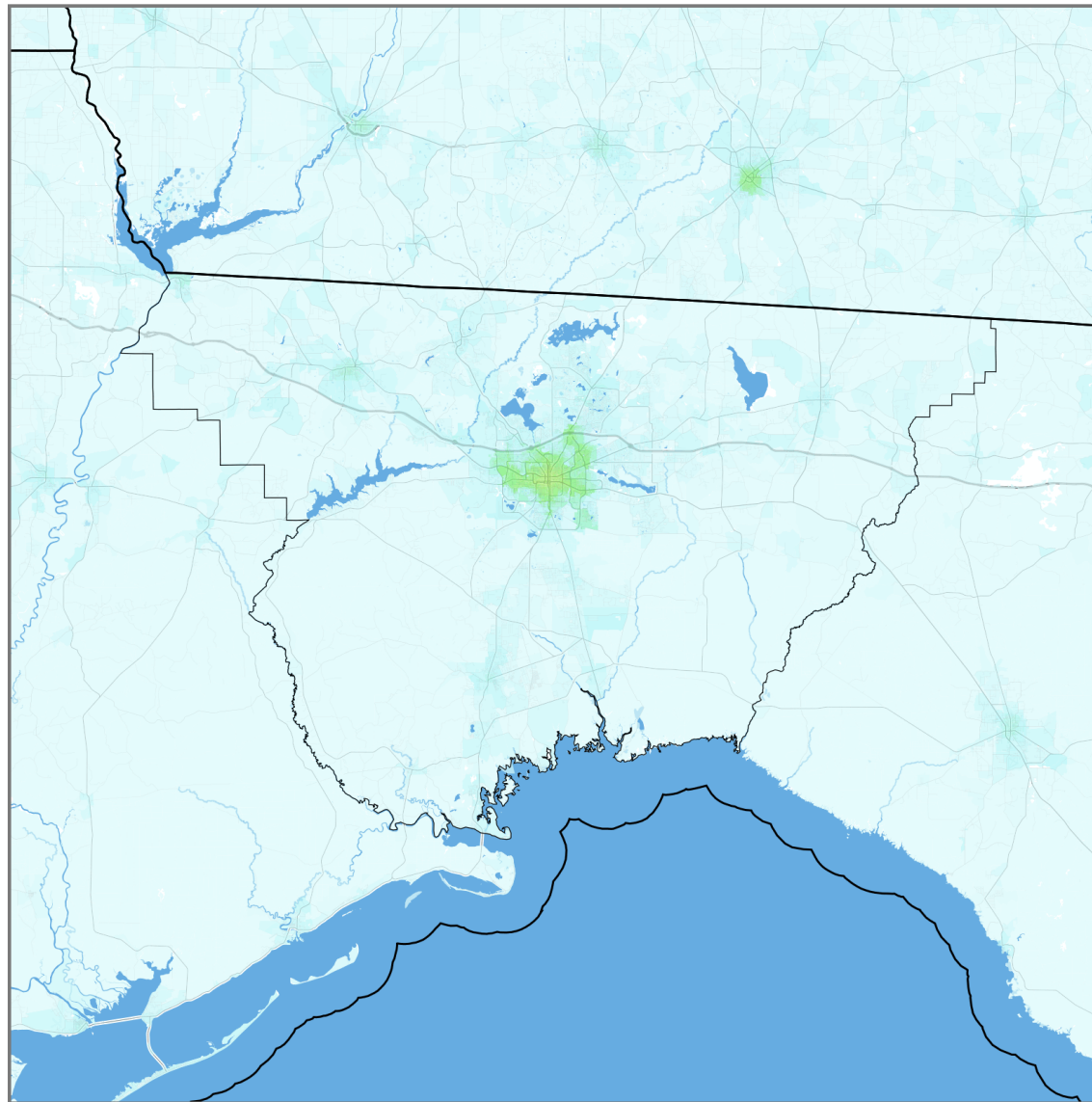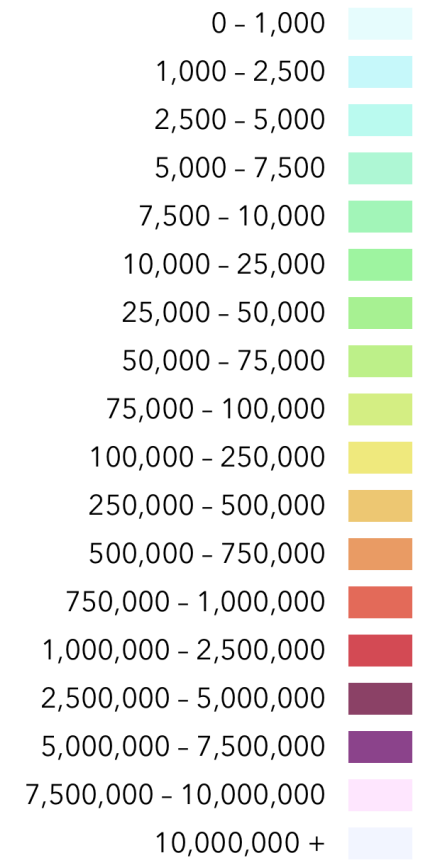
State border ⸻
MPO boundary ⸺

Charlotte-Punta Gorda MPO

Job Accessibility Results—Transit, 2017

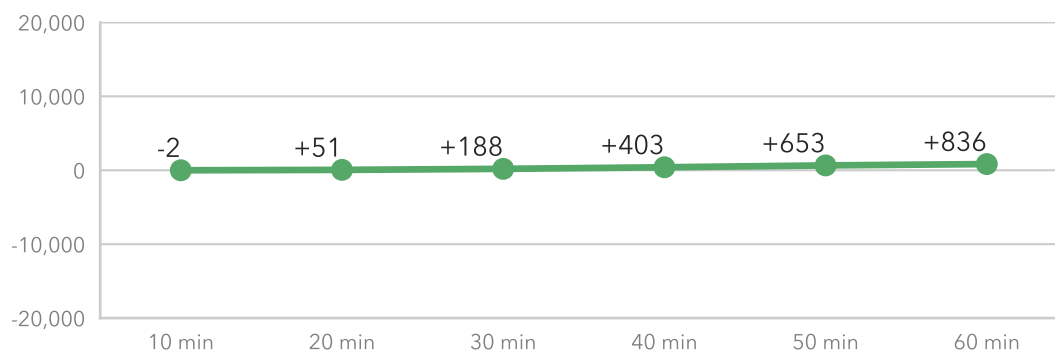|	
1-Year Change in Weighted Accessibility	**+7.64%**
Total Jobs	**46,792**
Average Job Density (per mi^2)	**169**
Total Workers	**53,072**
Average Worker Density (per mi^2)	**192**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	93	469	1,135	2,138	3,319	4,662

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	+8	+44	+44	+140	+252	+377
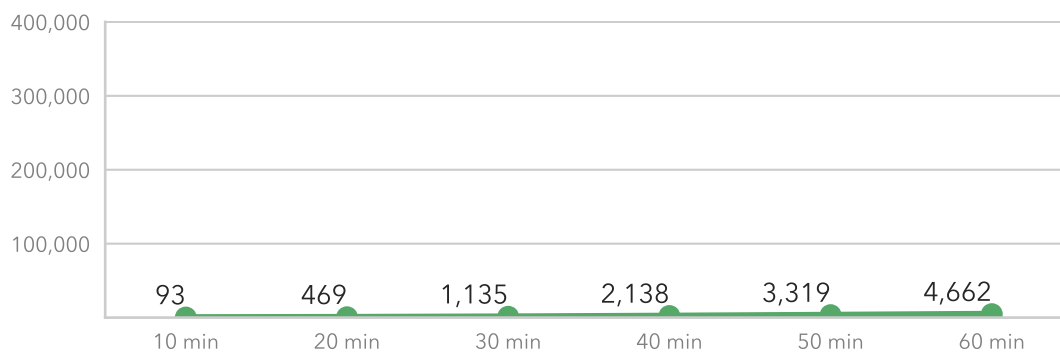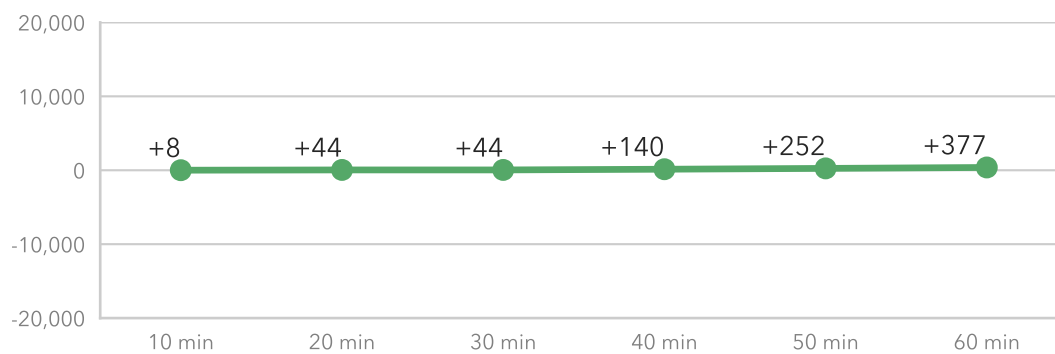
Transit Schedules Included

No transit schedule information was available for agencies near this MPO.

Charlotte-Punta Gorda MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
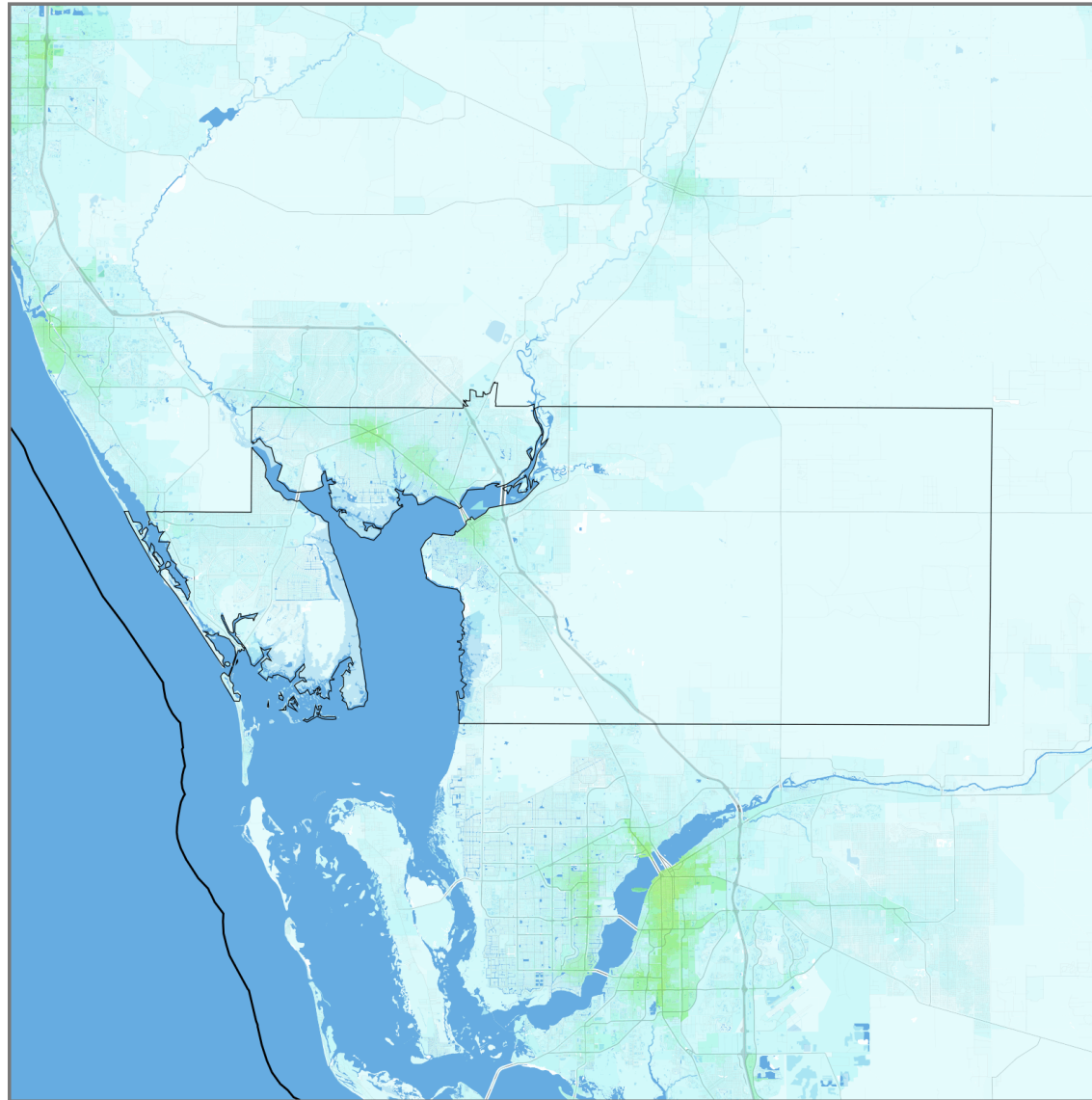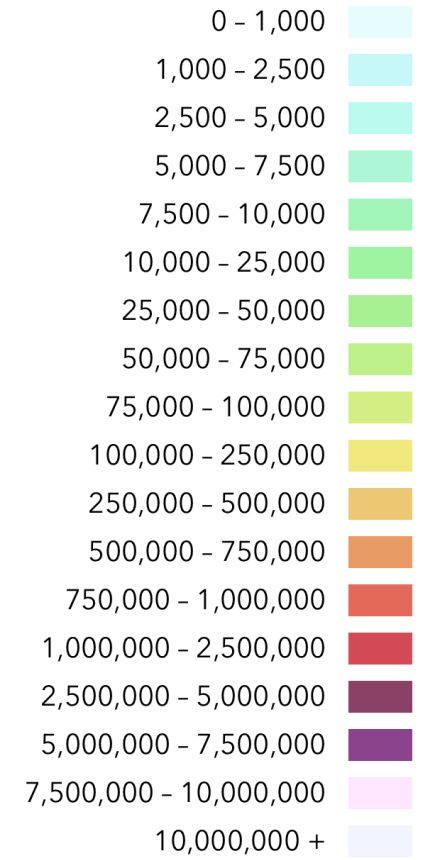
State border ⎯⎯⎯
MPO boundary ⎯⎯⎯

Collier MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+4.74%**
Total Jobs	**133,371**
Average Job Density (per mi^2)	**167**
Total Workers	**131,626**
Average Worker Density (per mi^2)	**164**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	171	741	2,003	4,165	7,526	12,401

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	-15	+27	+77	+232	+532	+1,060
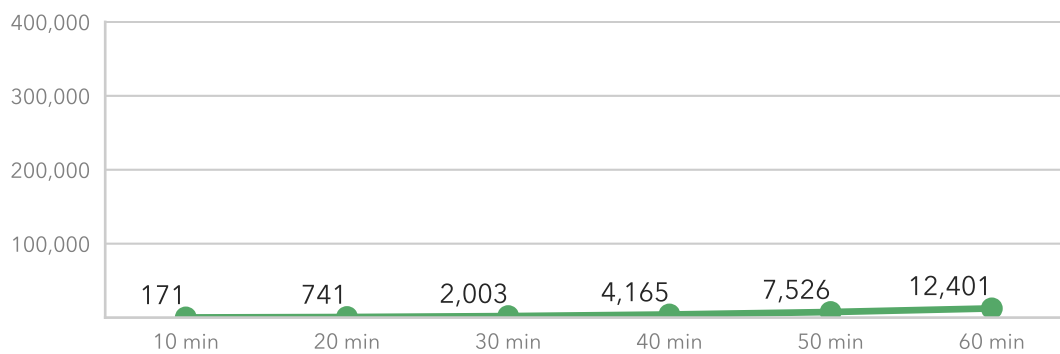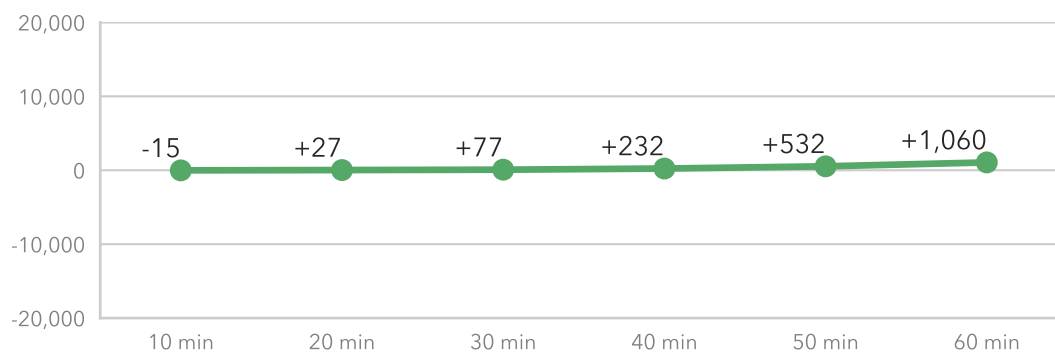
Transit Schedules Included

Agency	Dates
Collier Area Transit - CAT	January 31, 2015 – December 31, 2015
Lee County Transit	April 27, 2017 – November 16, 2017

Collier MPO
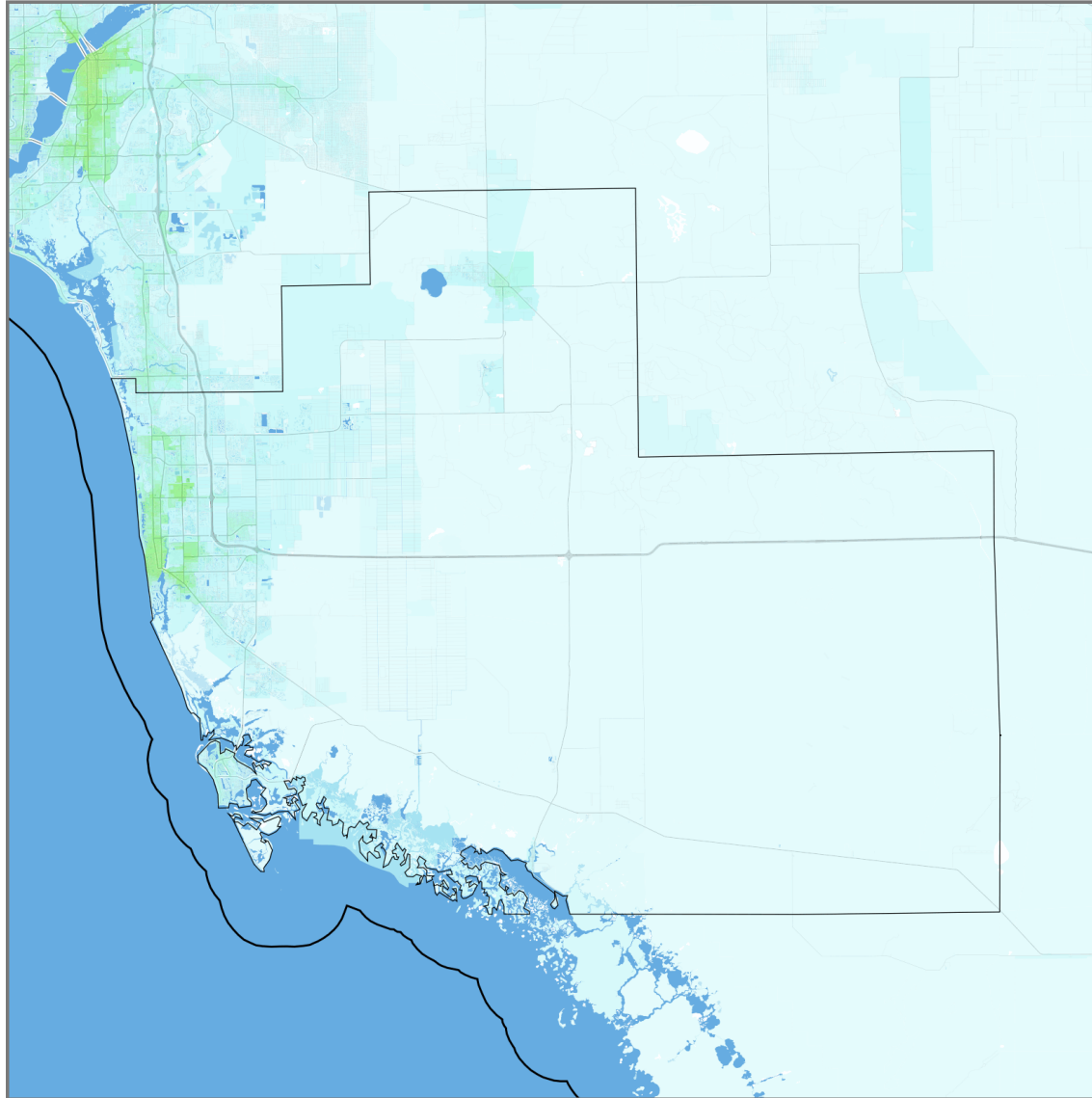
Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ⎯⎯⎯
MPO boundary ⎯⎯⎯

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Florida-Alabama Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+6.68%**
Total Jobs	**175,246**
Average Job Density (per mi^2)	**379**
Total Workers	**173,324**
Average Worker Density (per mi^2)	**375**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
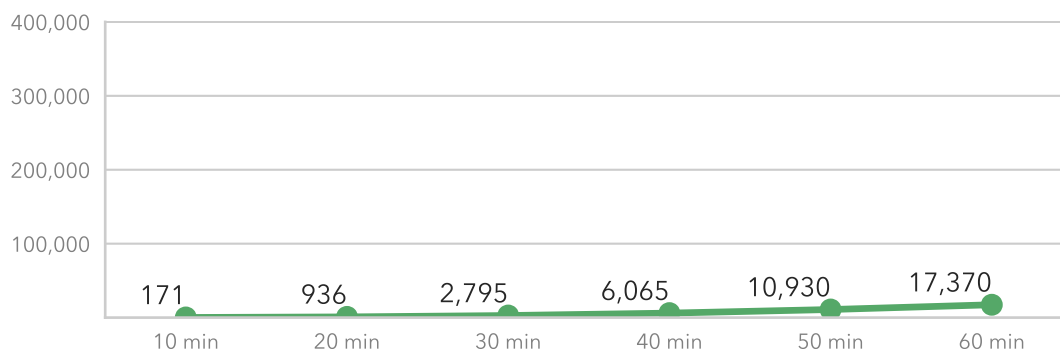
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
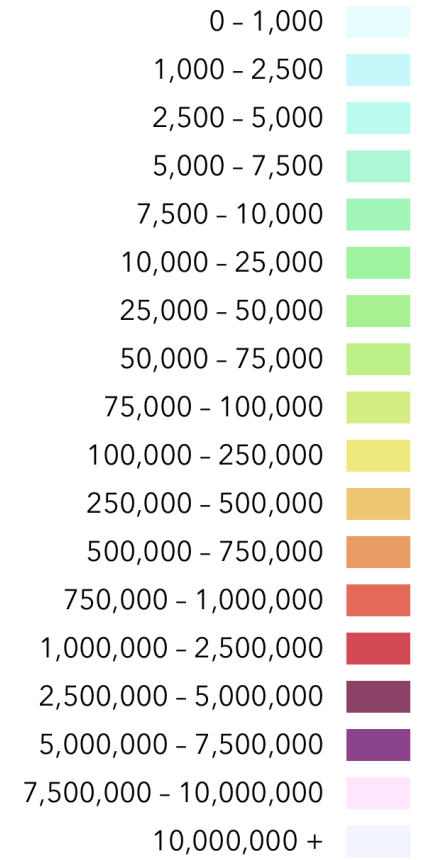
Transit Schedules Included

Agency	Dates
Escambia County Area Transit	August 1, 2015 – January 1, 2018

Florida-Alabama Transportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ⸻

MPO boundary ⸻

Forward Pinellas

Job Accessibility Results—Transit, 2017

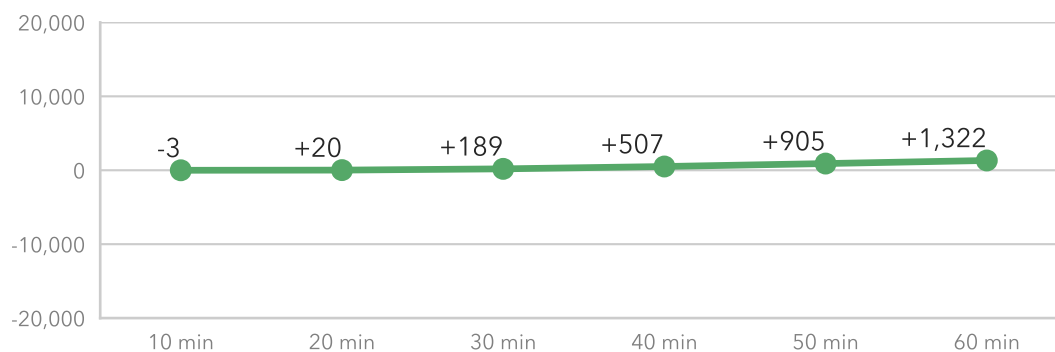|	
1-Year Change in Weighted Accessibility	**-2.61%**
Total Jobs	**425,530**
Average Job Density (per mi^2)	**3791**
Total Workers	**398,936**
Average Worker Density (per mi^2)	**3554**

Job and worker totals are based on LEHD estimates and may not match other sources.

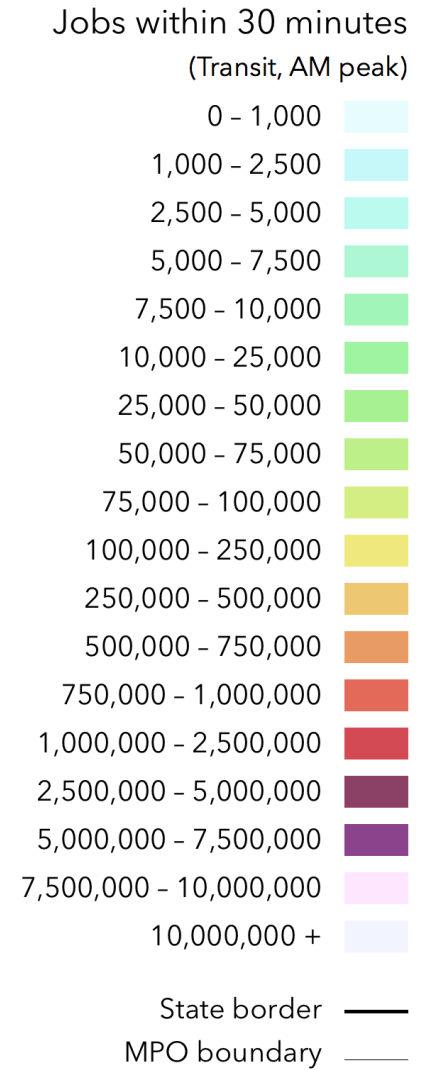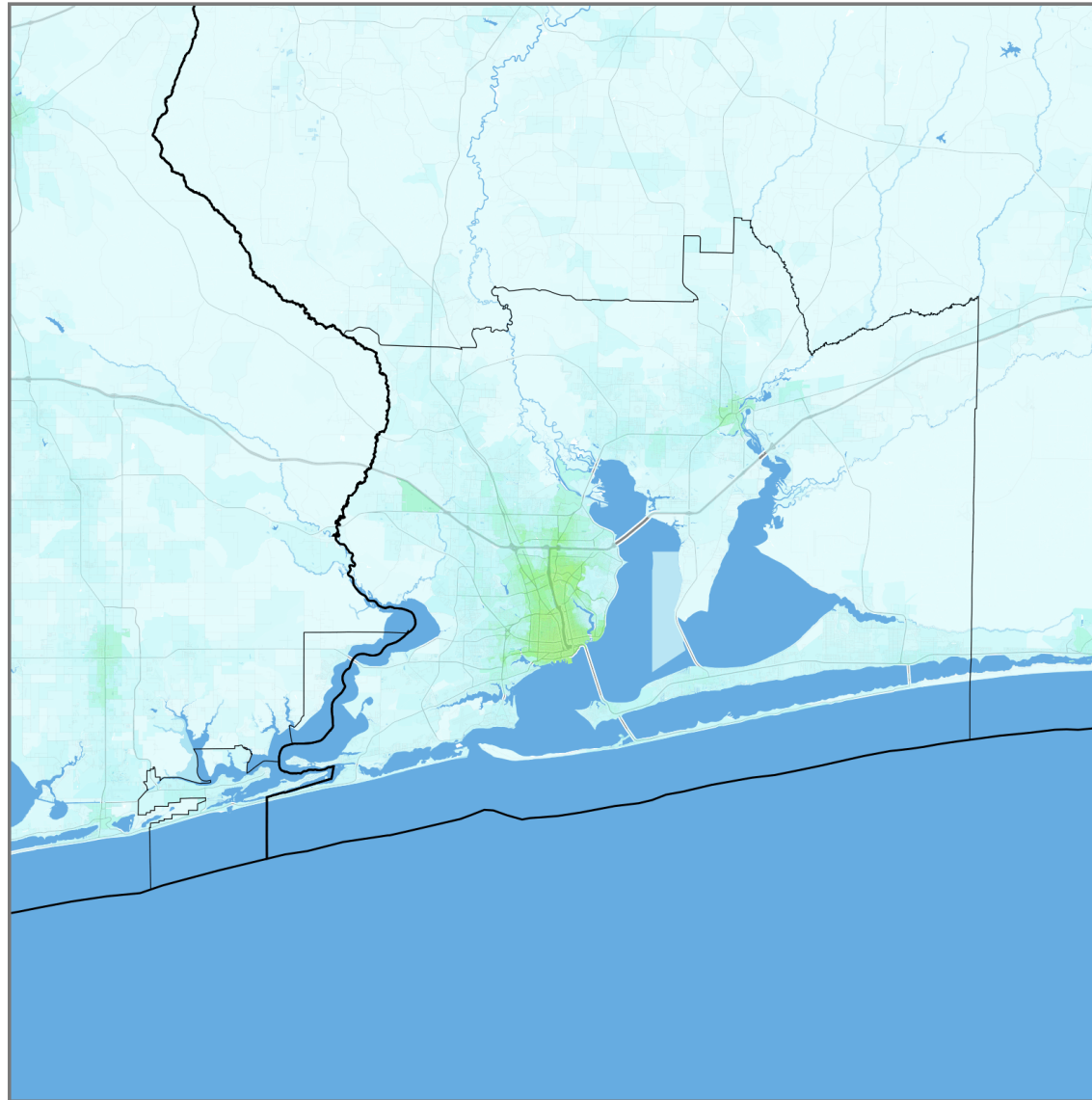## Average Job Accessibility by Travel Time Threshold (worker-weighted)

437   2,674   8,959   21,098   40,772   69,250

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

0   -2   -99   -727   -1,793   -2,714
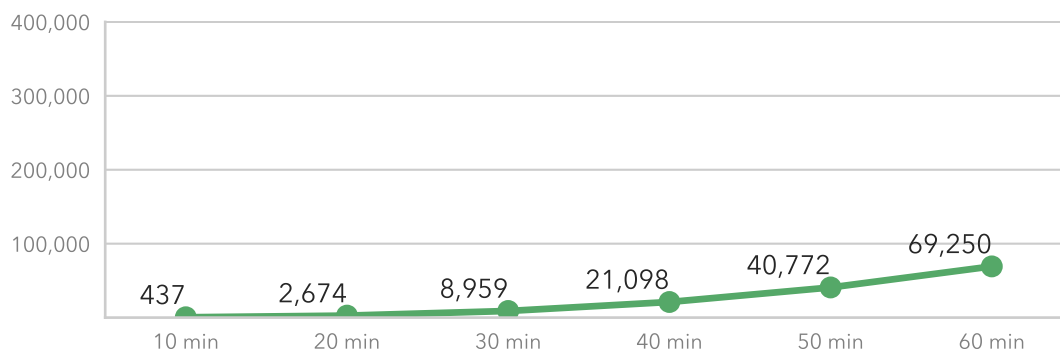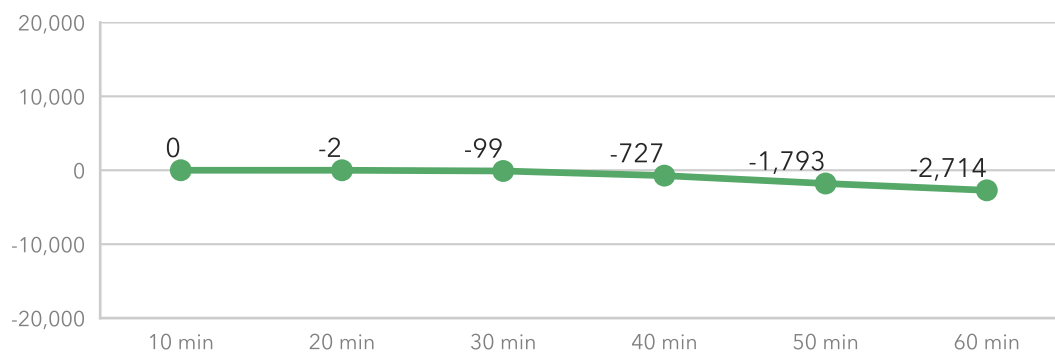
Transit Schedules Included

Agency	Dates
Hillsborough Area Regional Transit	December 4, 2016 – July 15, 2017
Manatee County Area Transit	November 12, 2016 – April 15, 2018
PSTA	June 5, 2016 – February 4, 2017
Pinellas Suncoast Transit Authority	October 9, 2016 – June 3, 2017

Forward Pinellas

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ———
MPO boundary ———

Gainesville MTPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-17.24%**
Total Jobs	**108,569**
Average Job Density (per mi^2)	**1493**
Total Workers	**79,966**
Average Worker Density (per mi^2)	**1100**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

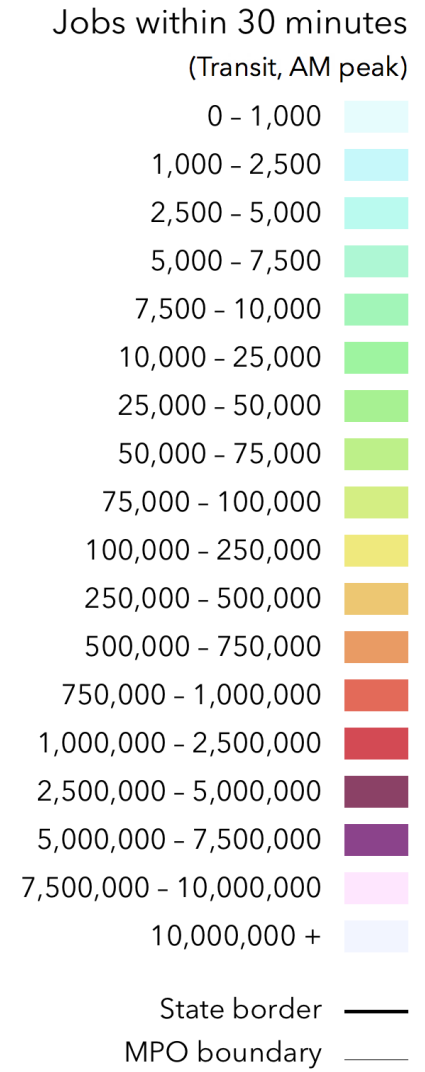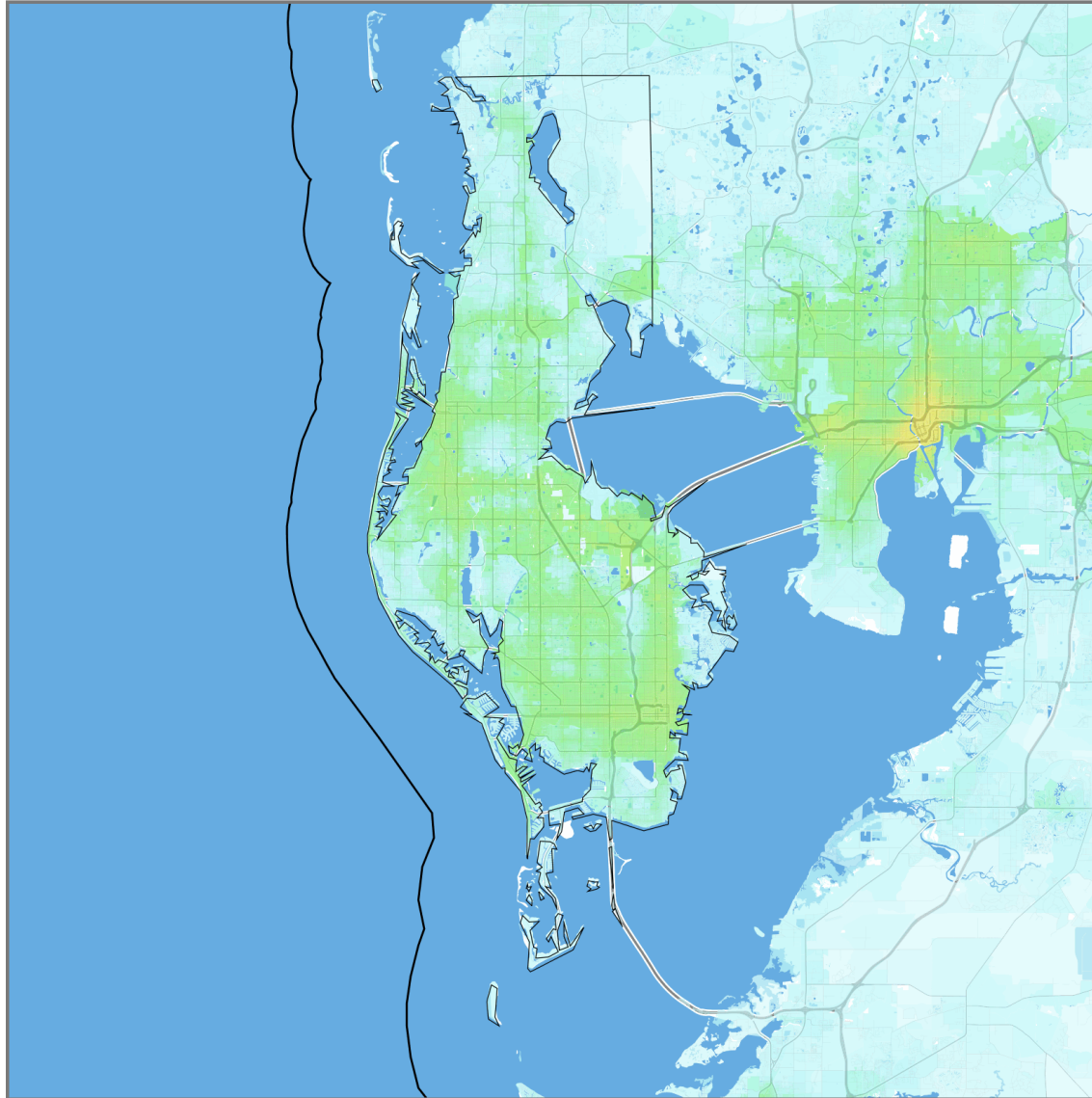**Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)**

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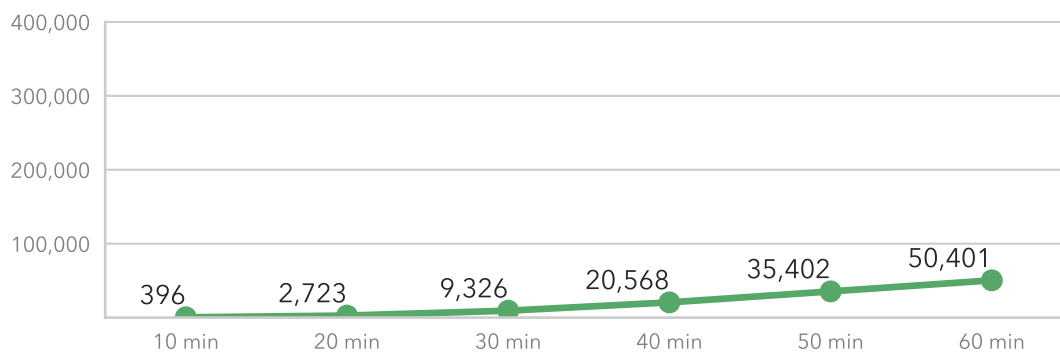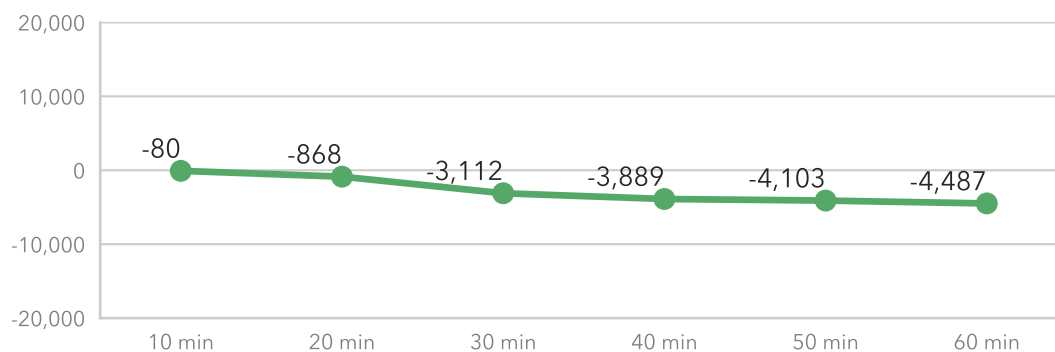
Transit Schedules Included

Agency	Dates
Regional Transit System	May 2, 2016 – April 30, 2017

Gainesville MTPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000
1,000 – 2,500
2,500 – 5,000
5,000 – 7,500
7,500 – 10,000
10,000 – 25,000
25,000 – 50,000
50,000 – 75,000
75,000 – 100,000
100,000 – 250,000
250,000 – 500,000
500,000 – 750,000
750,000 – 1,000,000
1,000,000 – 2,500,000
2,500,000 – 5,000,000
5,000,000 – 7,500,000
7,500,000 – 10,000,000
10,000,000 +
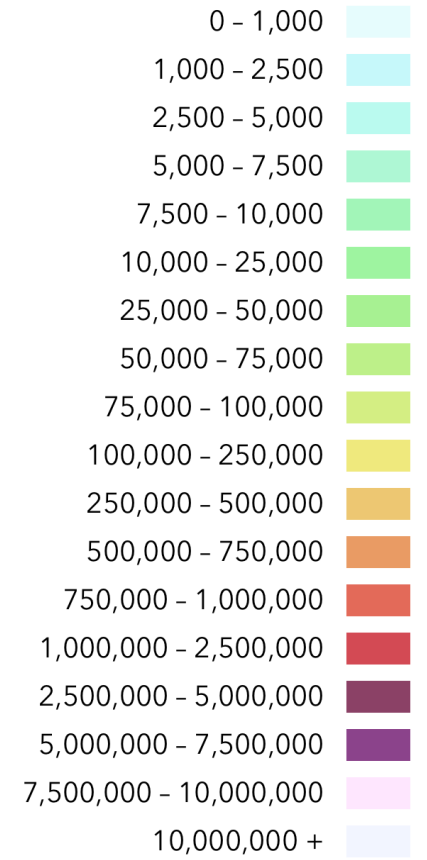
State border
MPO boundary

Heartland Regional TPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+6.67%**
Total Jobs	**67,409**
Average Job Density (per mi^2)	**34**
Total Workers	**80,592**
Average Worker Density (per mi^2)	**41**

Job and worker totals are based on LEHD estimates and may not match other sources.

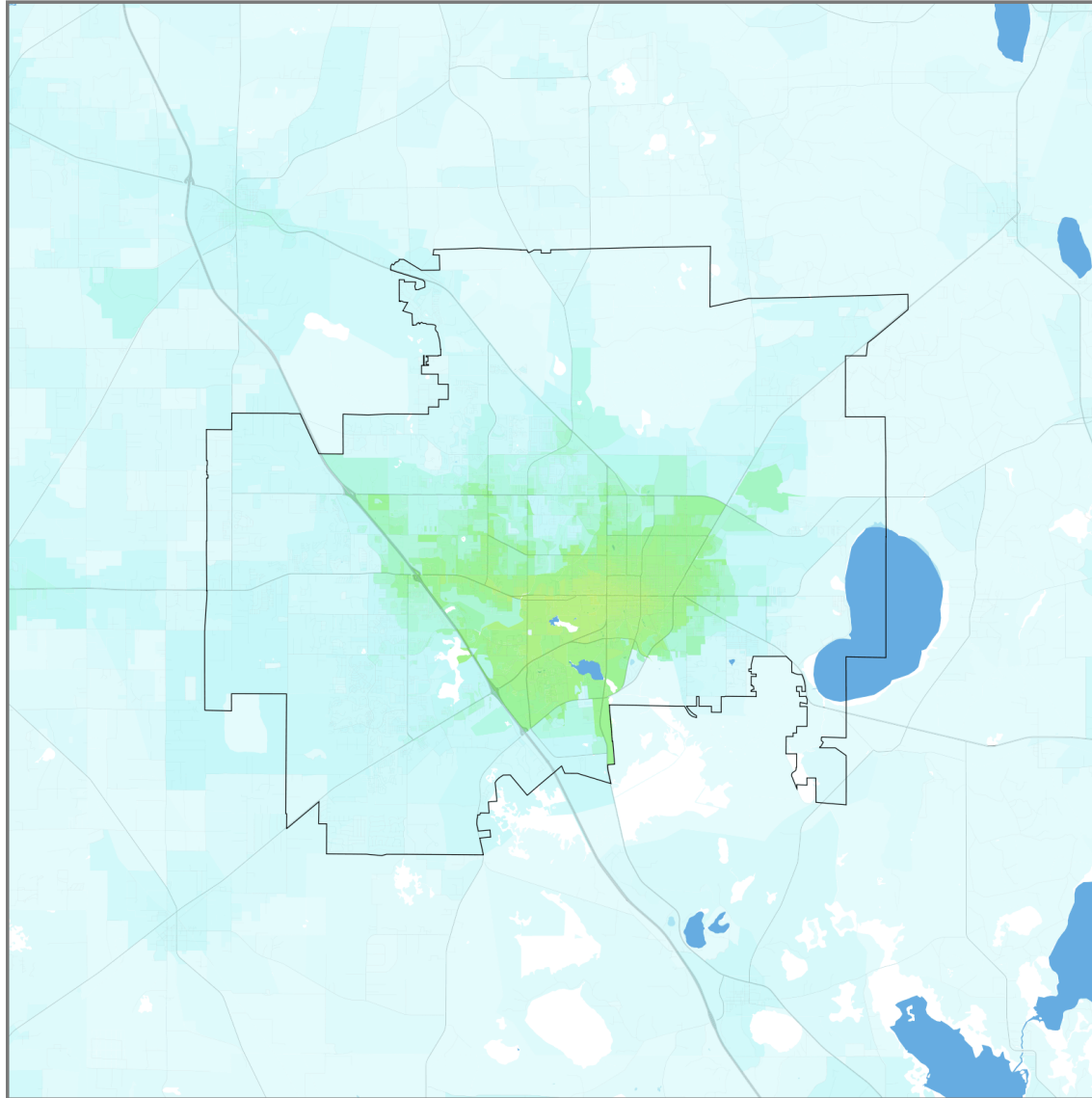### Average Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
102	404	785	1,192	1,593	1,970

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+6	+20	+55	+81	+113	+135
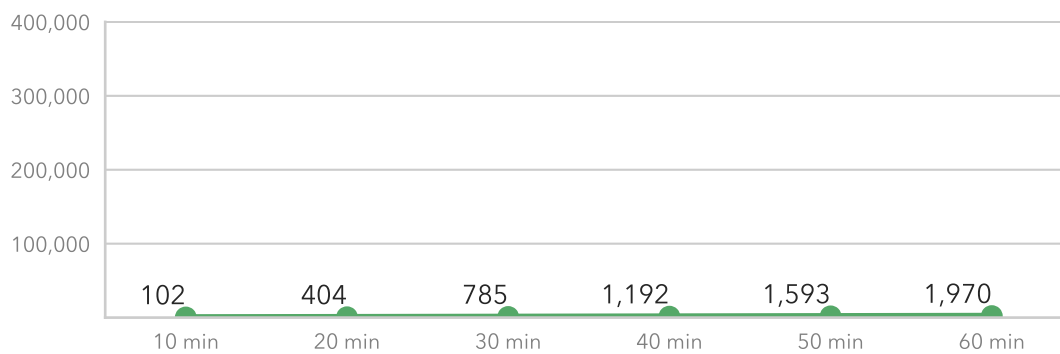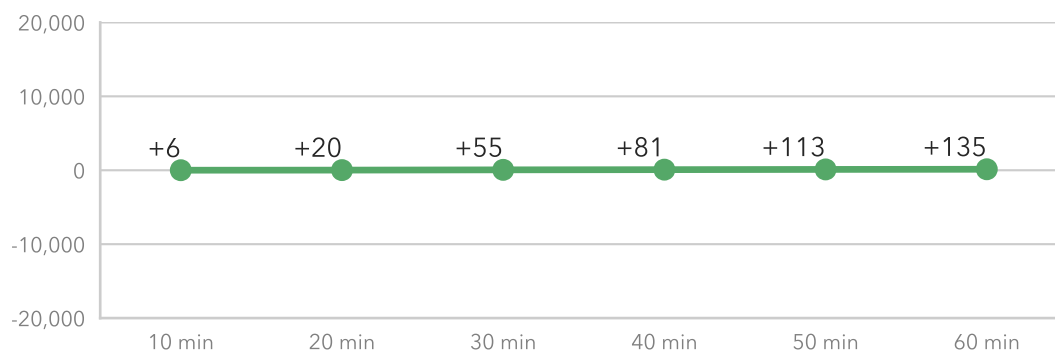
Transit Schedules Included

No transit schedule information was available for agencies near this MPO.

Heartland Regional TPO

Jobs within 30 minutes
(Transit, AM peak)

- 0 – 1,000
- 1,000 – 2,500
- 2,500 – 5,000
- 5,000 – 7,500
- 7,500 – 10,000
- 10,000 – 25,000
- 25,000 – 50,000
- 50,000 – 75,000
- 75,000 – 100,000
- 100,000 – 250,000
- 250,000 – 500,000
- 500,000 – 750,000
- 750,000 – 1,000,000
- 1,000,000 – 2,500,000
- 2,500,000 – 5,000,000
- 5,000,000 – 7,500,000
- 7,500,000 – 10,000,000
- 10,000,000 +

State border
MPO boundary

32
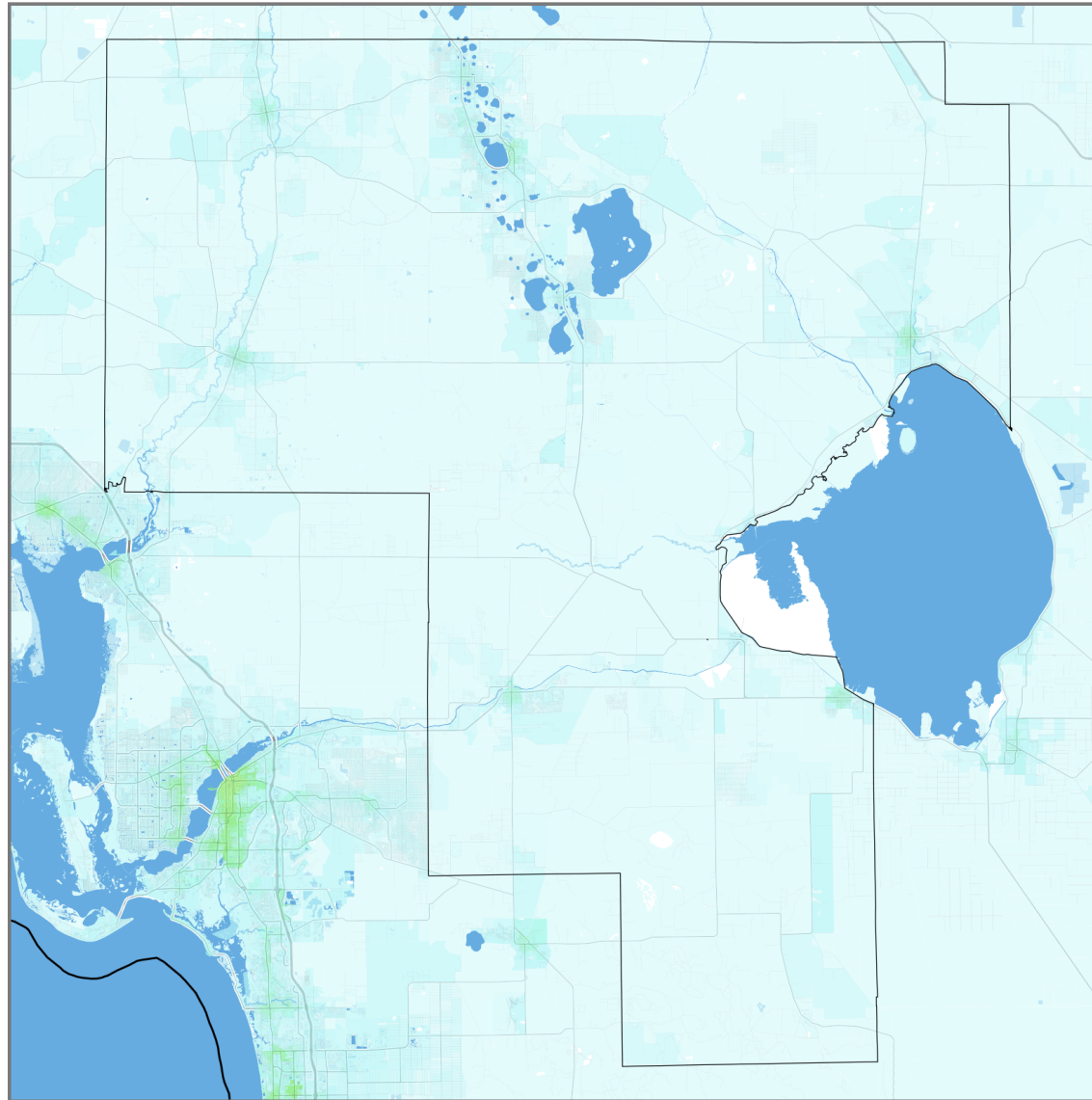
Hernando/Citrus MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+5.17%**
Total Jobs	**74,113**
Average Job Density (per mi^2)	**171**
Total Workers	**99,043**
Average Worker Density (per mi^2)	**229**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	56	262	659	1,281	2,152	3,272

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	-2	+10	+36	+89	+148	+198
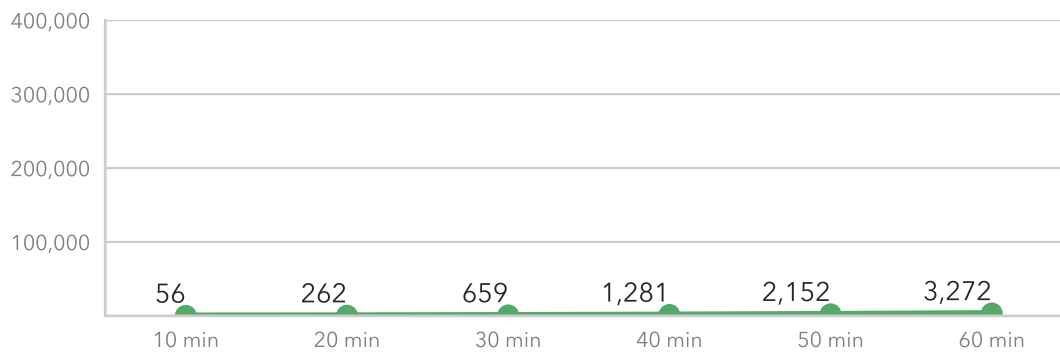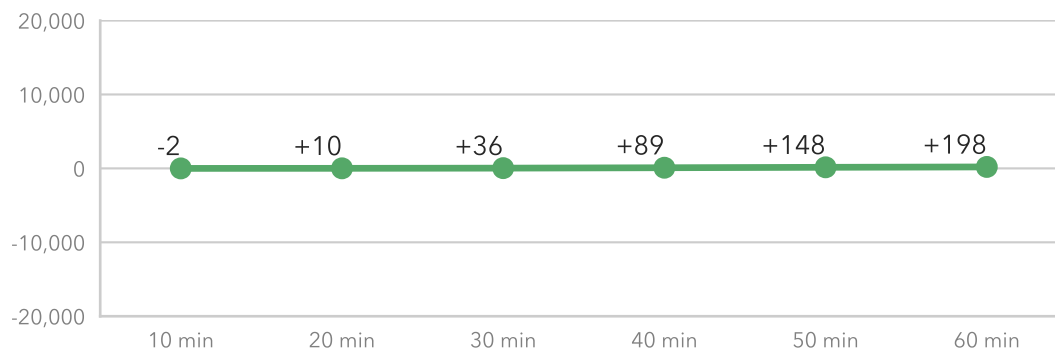
Transit Schedules Included

Agency	Dates
Orange Line Bus (Citrus County Transit)	January 1, 2015 – July 1, 2016
The Hernando Express	January 1, 2015 – January 1, 2017

Hernando/Citrus MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border

MPO boundary

Hillsborough MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+3.78%**
Total Jobs	**670,700**
Average Job Density (per mi^2)	**1564**
Total Workers	**576,668**
Average Worker Density (per mi^2)	**1344**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
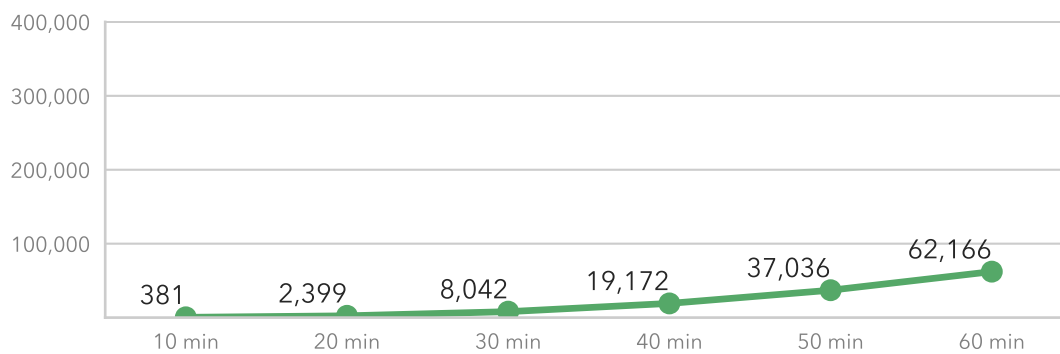
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
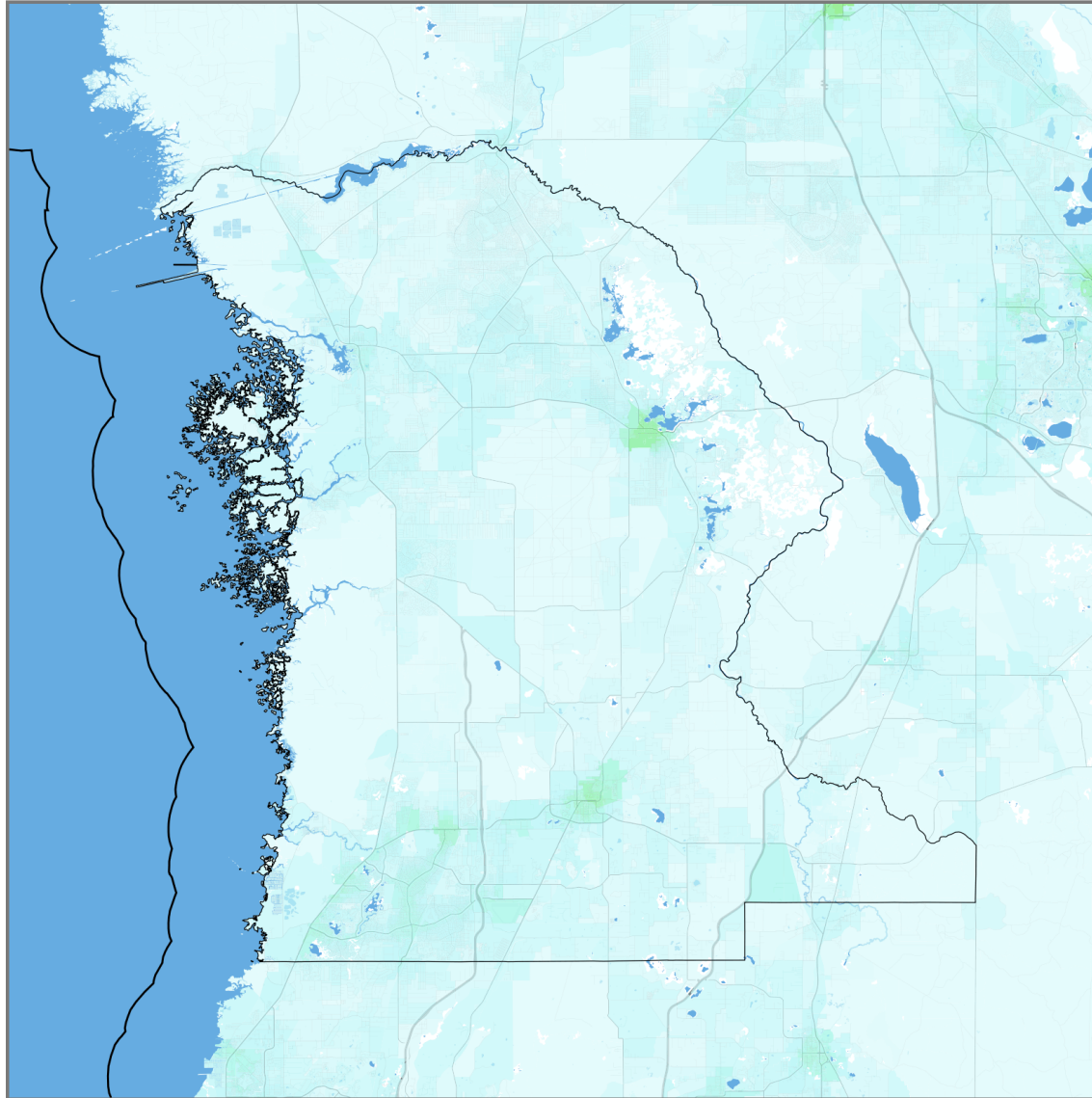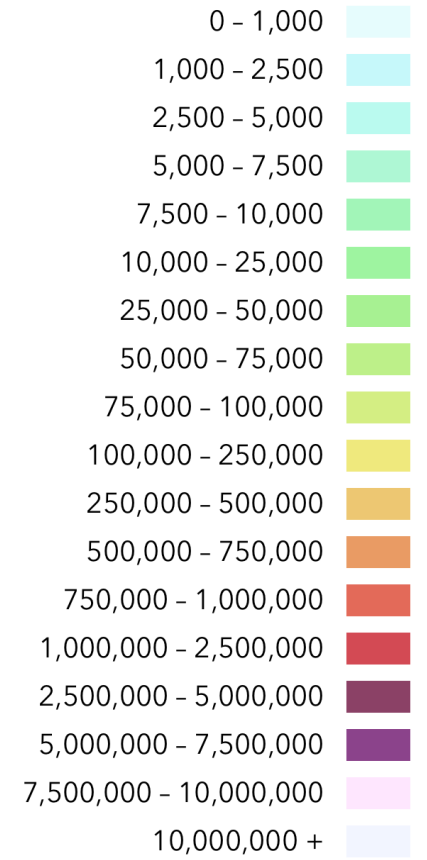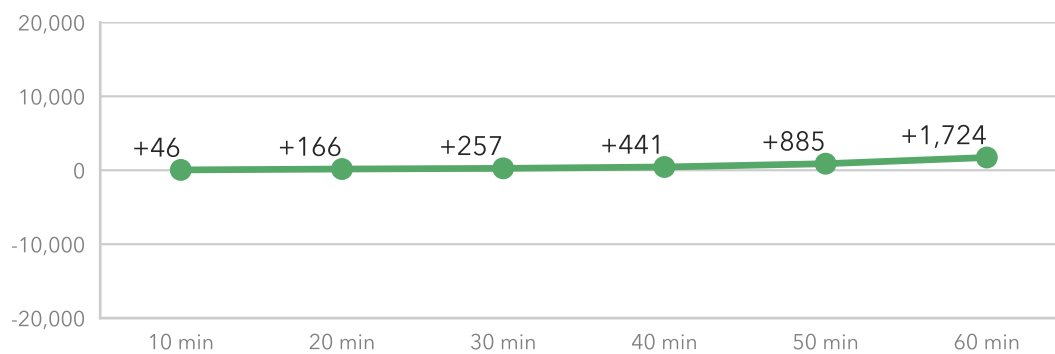
Transit Schedules Included

Agency	Dates
Hillsborough Area Regional Transit	December 4, 2016 – July 15, 2017
PSTA	June 5, 2016 – February 4, 2017
Pinellas Suncoast Transit Authority	October 9, 2016 – June 3, 2017

Hillsborough MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
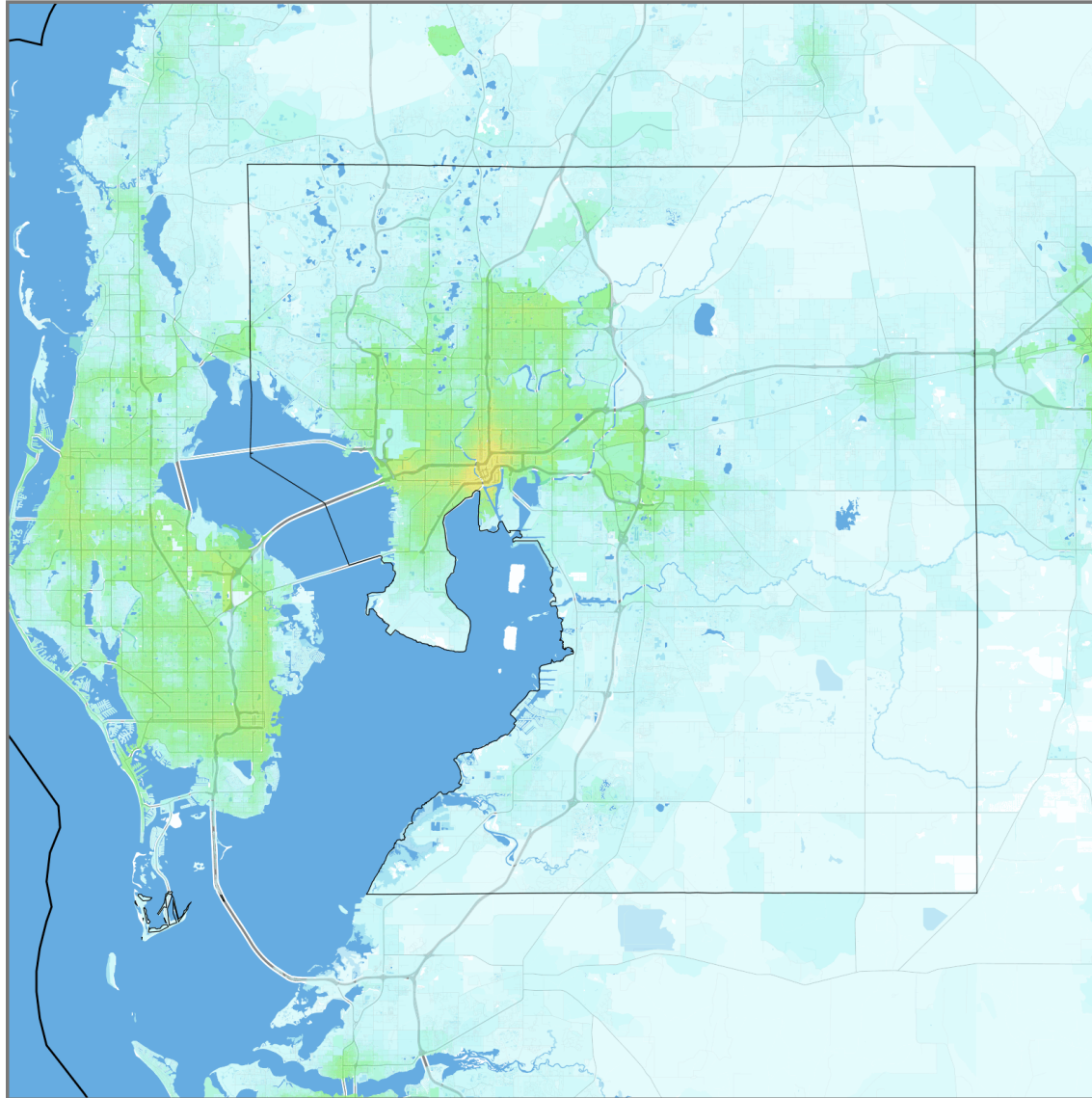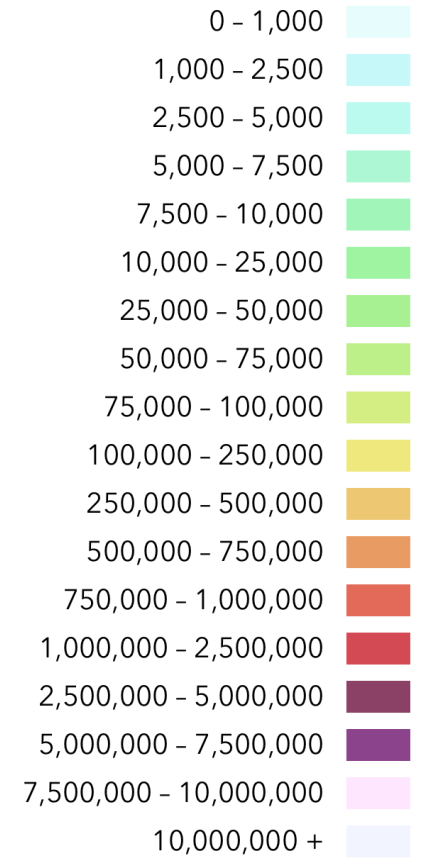
State border
MPO boundary

Indian River County MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-4.21%**
Total Jobs	**46,511**
Average Job Density (per mi^2)	**688**
Total Workers	**51,489**
Average Worker Density (per mi^2)	**762**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	117	560	1,310	2,364	3,718	5,441

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	-5	-58	-72	-71	-50	+68
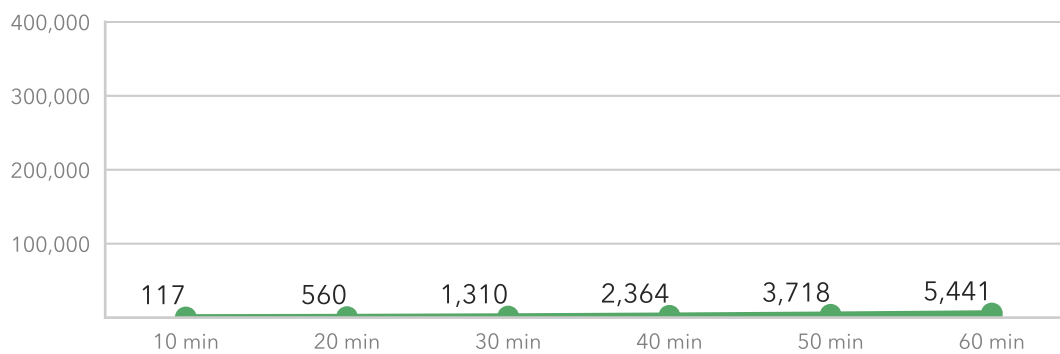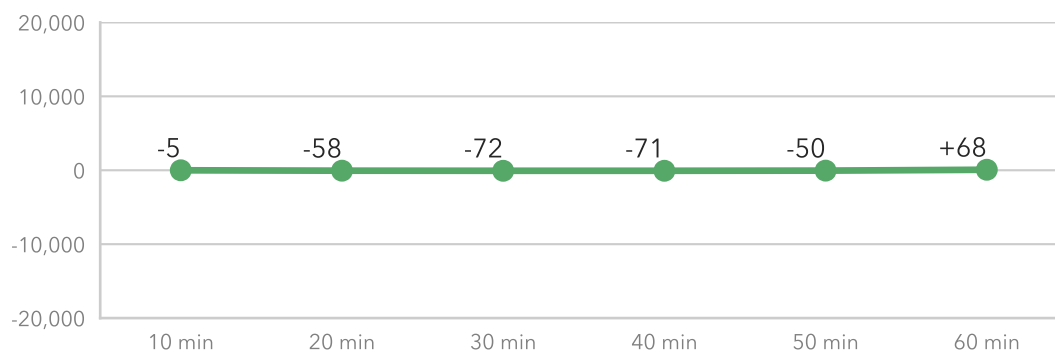
Transit Schedules Included

No transit schedule information was available for agencies near this MPO.

Indian River County MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ——
MPO boundary ——

41
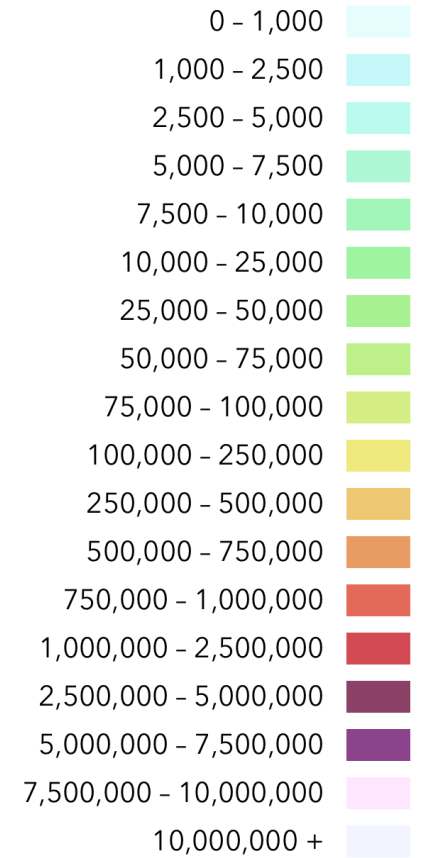
Lake-Sumter MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+4.72%**
Total Jobs	**116,884**
Average Job Density (per mi^2)	**175**
Total Workers	**147,012**
Average Worker Density (per mi^2)	**220**

Job and worker totals are based on LEHD estimates and may not match other sources.

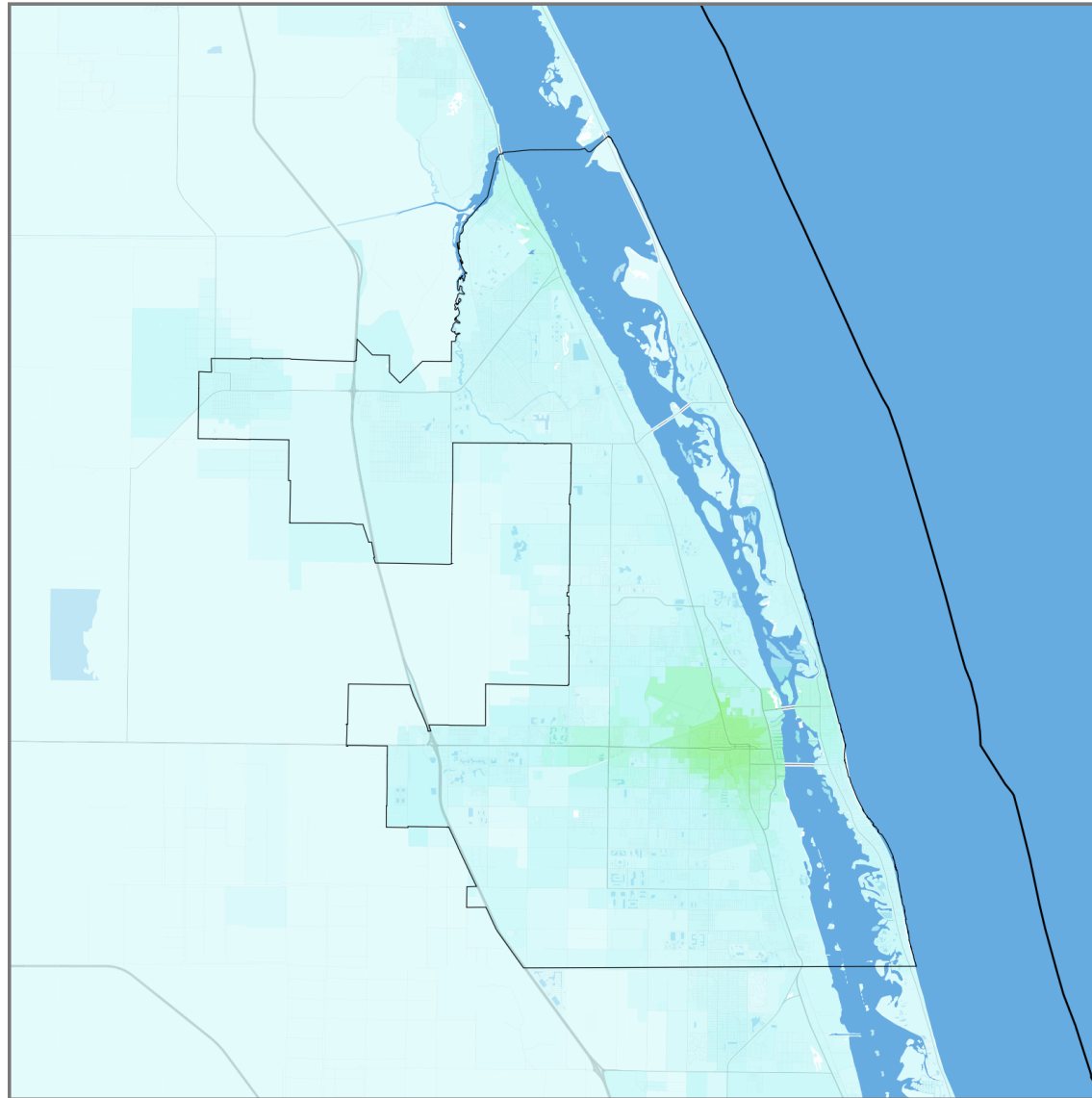## Average Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
115	399	881	1,546	2,350	3,310

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+2	+17	+48	+72	+124	+180
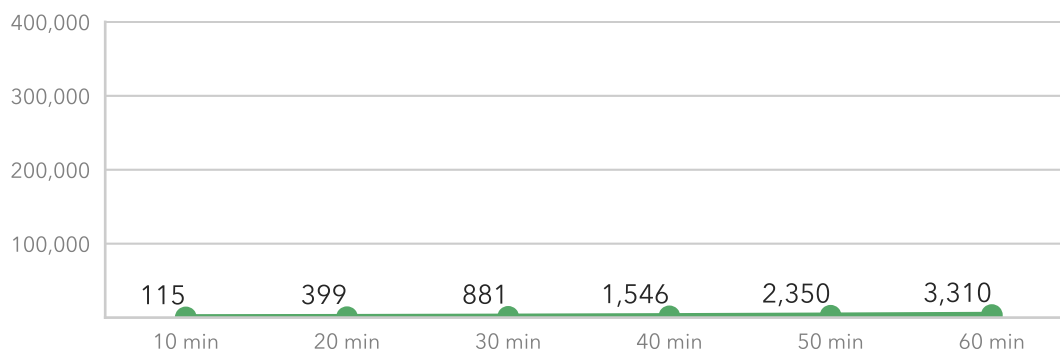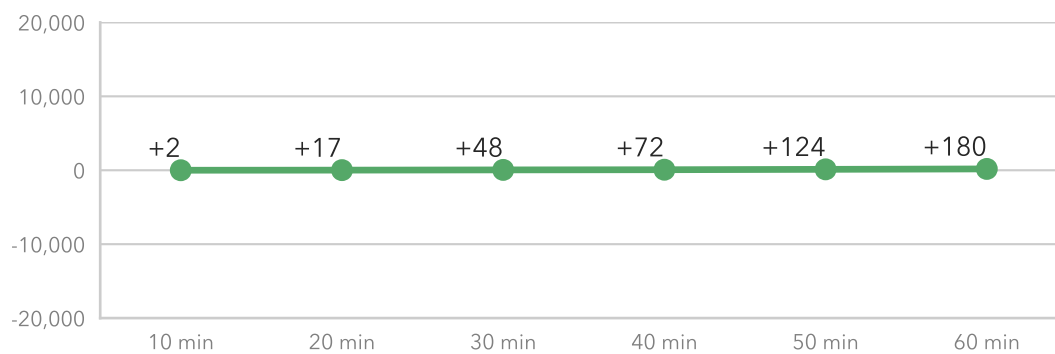
Transit Schedules Included

Agency	Dates
Central Florida Regional Transit Authority	January 10, 2017 – April 29, 2017
Polk County Transit Services	July 3, 2015 – December 31, 2015
Winter Haven Area Transit	July 3, 2015 – December 31, 2015

Lake-Sumter MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ⎯⎯⎯
MPO boundary ⎯⎯⎯

44

Lee County MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+11.32%**
Total Jobs	**231,984**
Average Job Density (per mi^2)	**727**
Total Workers	**243,169**
Average Worker Density (per mi^2)	**763**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
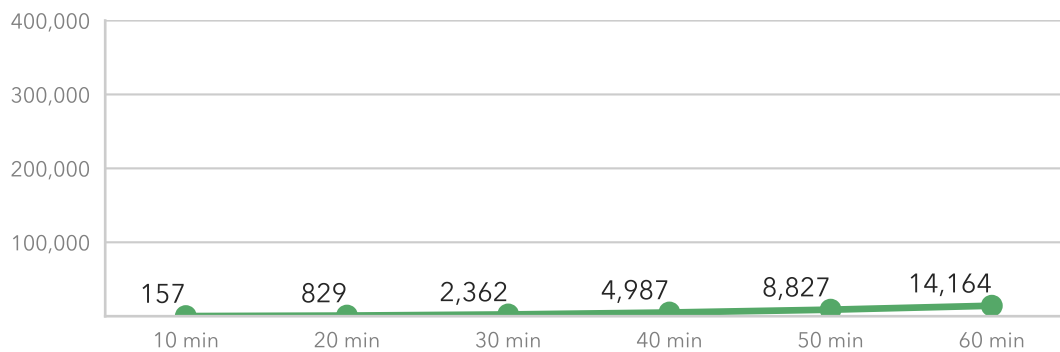
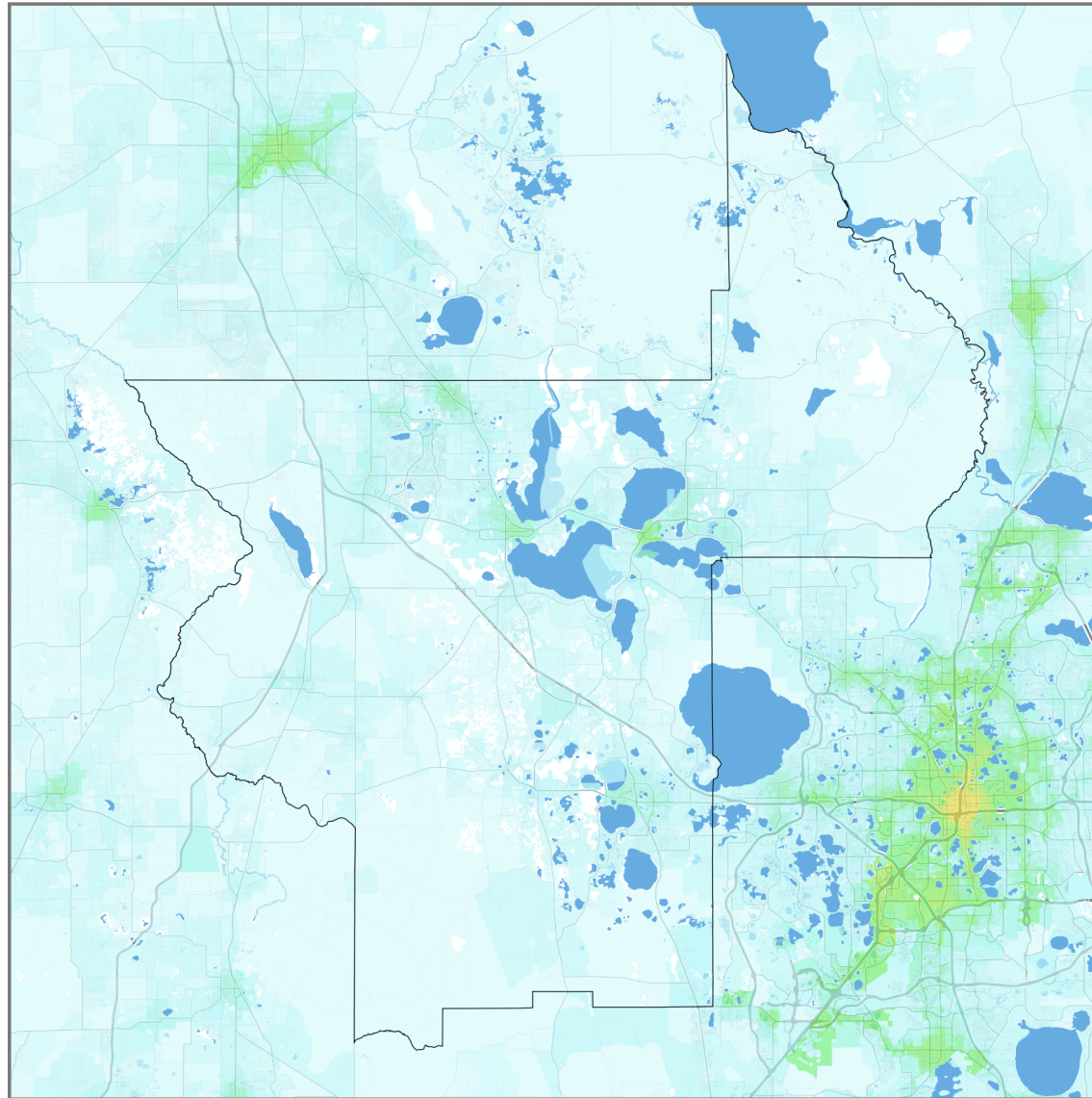## Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
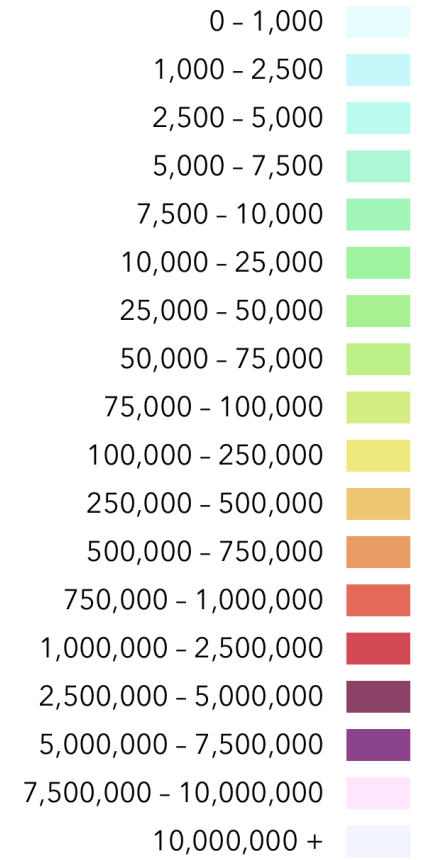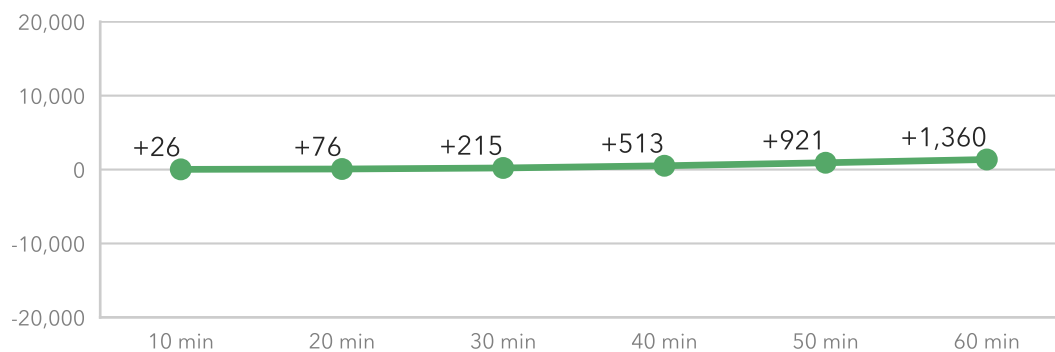
Transit Schedules Included

Agency	Dates
Lee County Transit	April 27, 2017 – November 16, 2017

Lee County MPO

Jobs within 30 minutes
(Transit, AM peak)

- 0 – 1,000
- 1,000 – 2,500
- 2,500 – 5,000
- 5,000 – 7,500
- 7,500 – 10,000
- 10,000 – 25,000
- 25,000 – 50,000
- 50,000 – 75,000
- 75,000 – 100,000
- 100,000 – 250,000
- 250,000 – 500,000
- 500,000 – 750,000
- 750,000 – 1,000,000
- 1,000,000 – 2,500,000
- 2,500,000 – 5,000,000
- 5,000,000 – 7,500,000
- 7,500,000 – 10,000,000
- 10,000,000 +
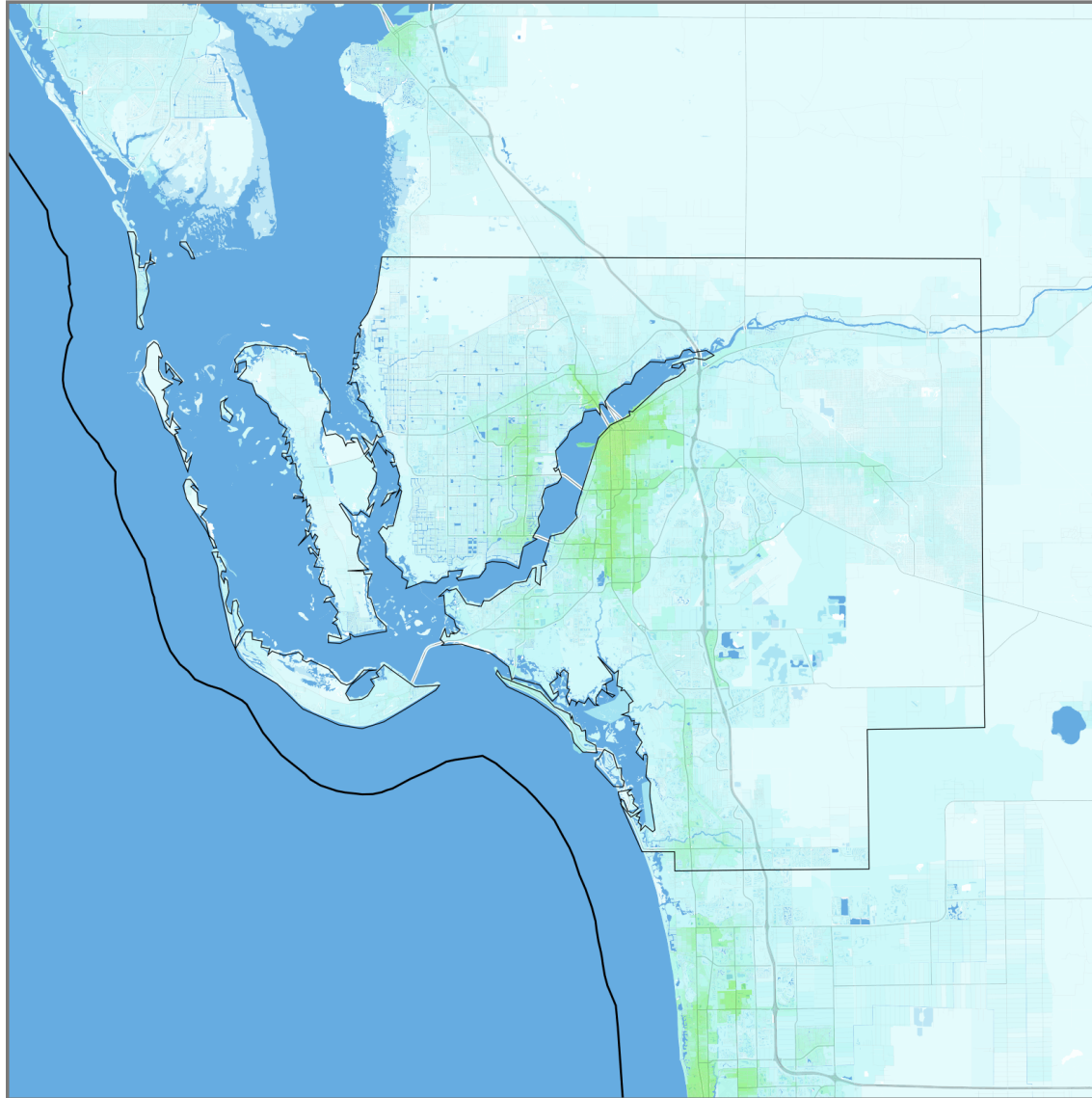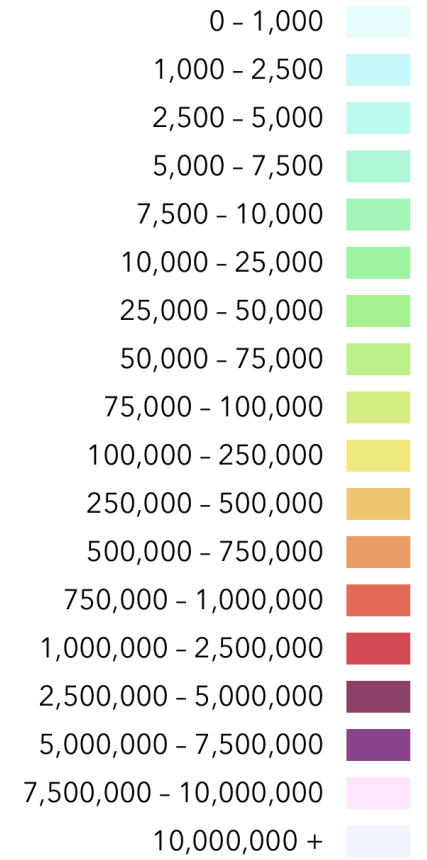
State border
MPO boundary

METROPLAN Orlando

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+7.66%**
Total Jobs	**1,064,495**
Average Job Density (per mi^2)	**964**
Total Workers	**925,070**
Average Worker Density (per mi^2)	**838**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
359	1,997	6,225	14,942	30,435	54,680

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+59	+265	+541	+921	+1,394	+1,966
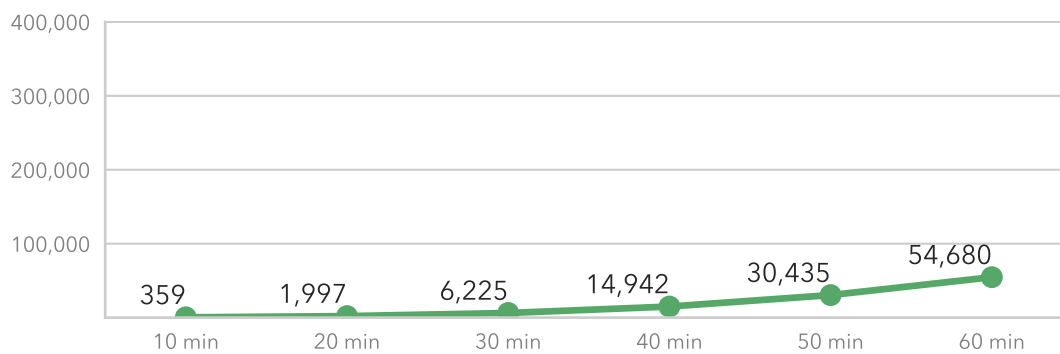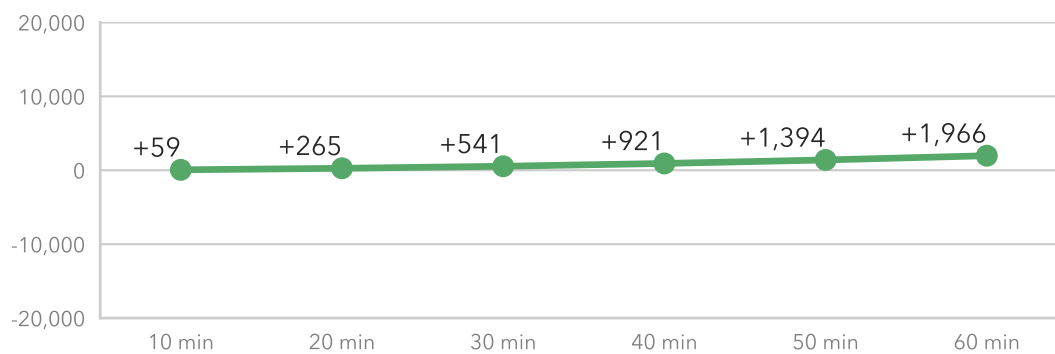
Transit Schedules Included

Agency	Dates
Central Florida Regional Transit Authority	January 10, 2017 – April 29, 2017
Florida Department of Transportation	December 21, 2015 – December 31, 2017
Winter Haven Area Transit	July 3, 2015 – December 31, 2015

METROPLAN Orlando

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
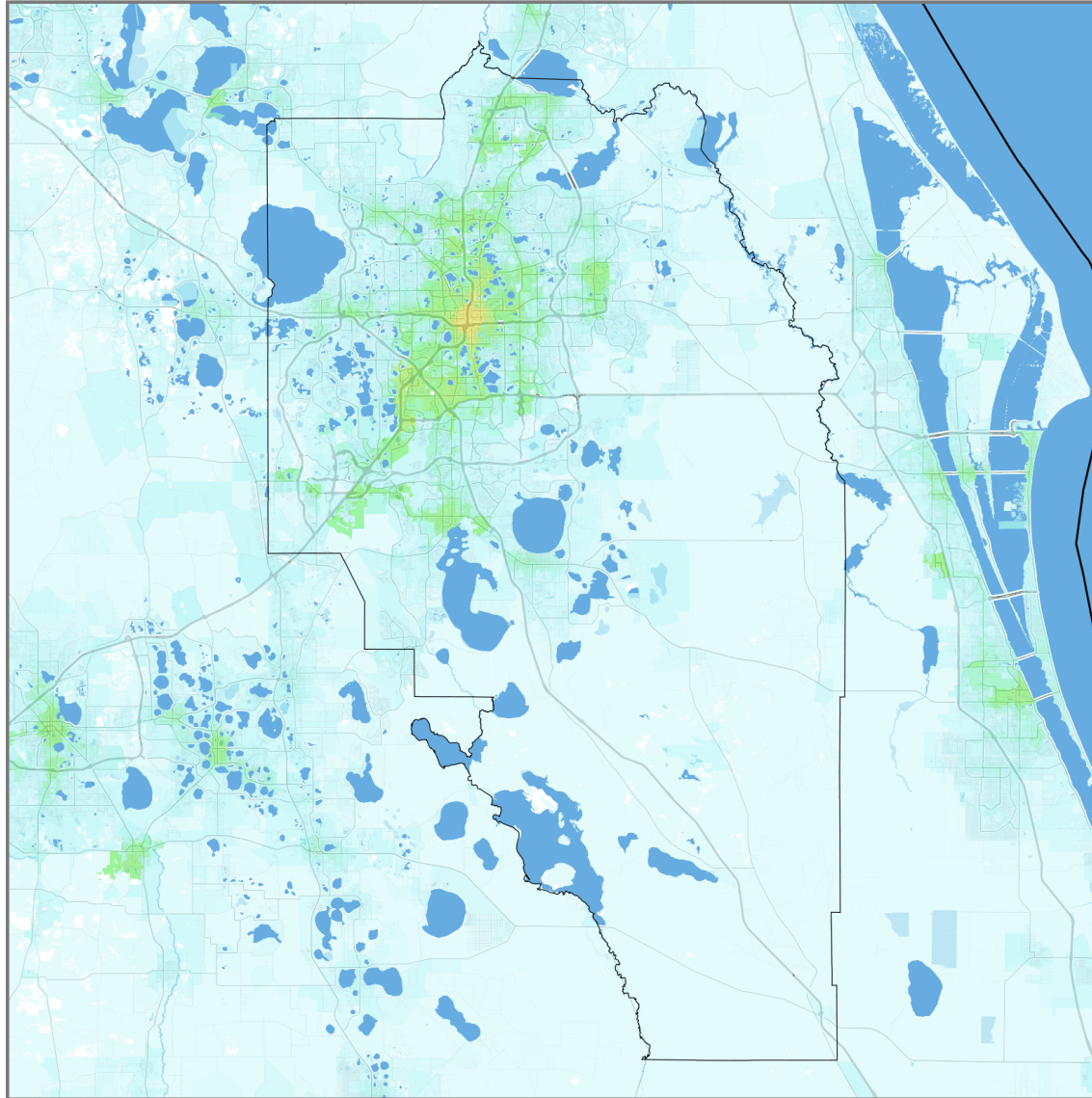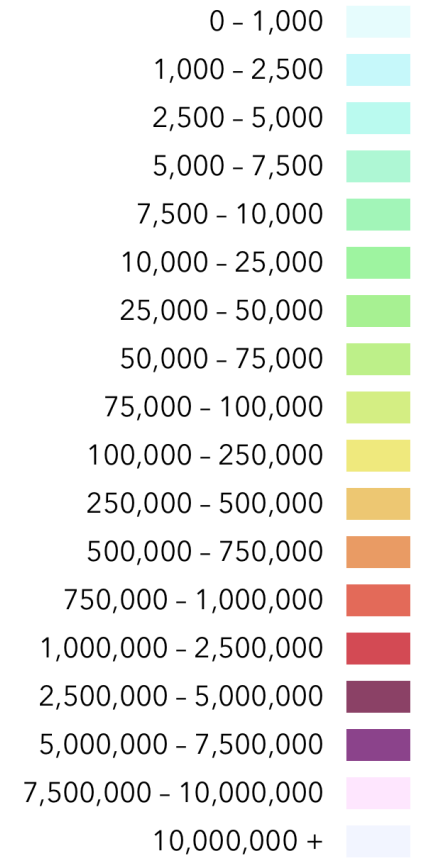
State border
MPO boundary

Martin MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+18.93%**
Total Jobs	**61,916**
Average Job Density (per mi^2)	**294**
Total Workers	**56,480**
Average Worker Density (per mi^2)	**268**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	181	654	1,610	2,992	4,800	7,059

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	+19	+102	+255	+427	+864	+1,465
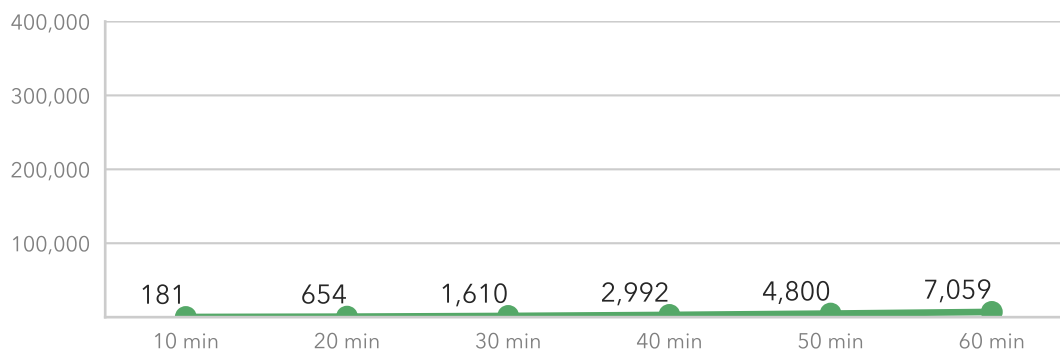
Transit Schedules Included

Agency	Dates
Martin County Public Transit	May 1, 2013 – December 31, 2014
Treasure Coast Connector	May 18, 2015 – December 31, 2015

Martin MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000
1,000 – 2,500
2,500 – 5,000
5,000 – 7,500
7,500 – 10,000
10,000 – 25,000
25,000 – 50,000
50,000 – 75,000
75,000 – 100,000
100,000 – 250,000
250,000 – 500,000
500,000 – 750,000
750,000 – 1,000,000
1,000,000 – 2,500,000
2,500,000 – 5,000,000
5,000,000 – 7,500,000
7,500,000 – 10,000,000
10,000,000 +

State border
MPO boundary

Miami-Dade TPO

Job Accessibility Results—Transit, 2017

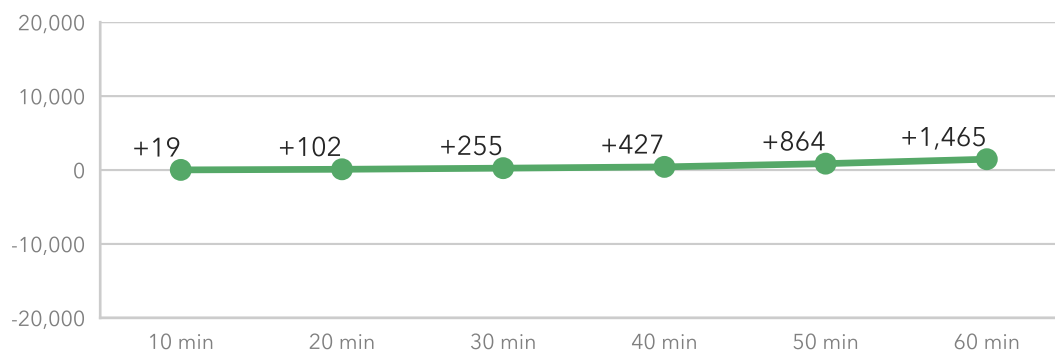|	
1-Year Change in Weighted Accessibility	**-11.56%**
Total Jobs	**1,090,089**
Average Job Density (per mi^2)	**1398**
Total Workers	**1,044,252**
Average Worker Density (per mi^2)	**1339**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
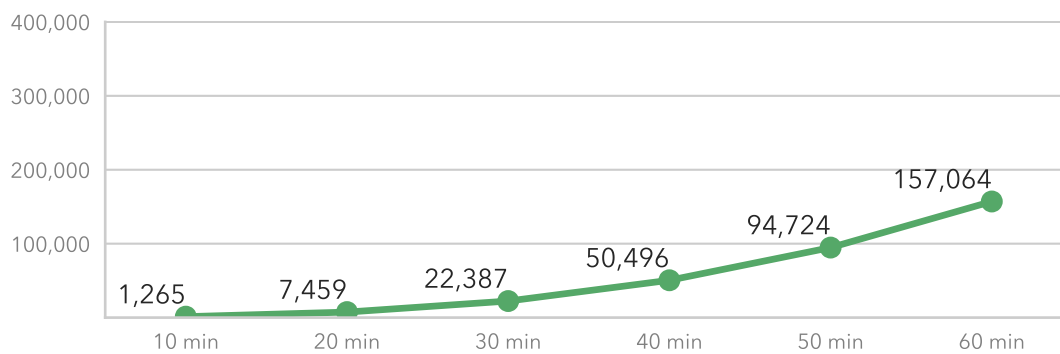
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
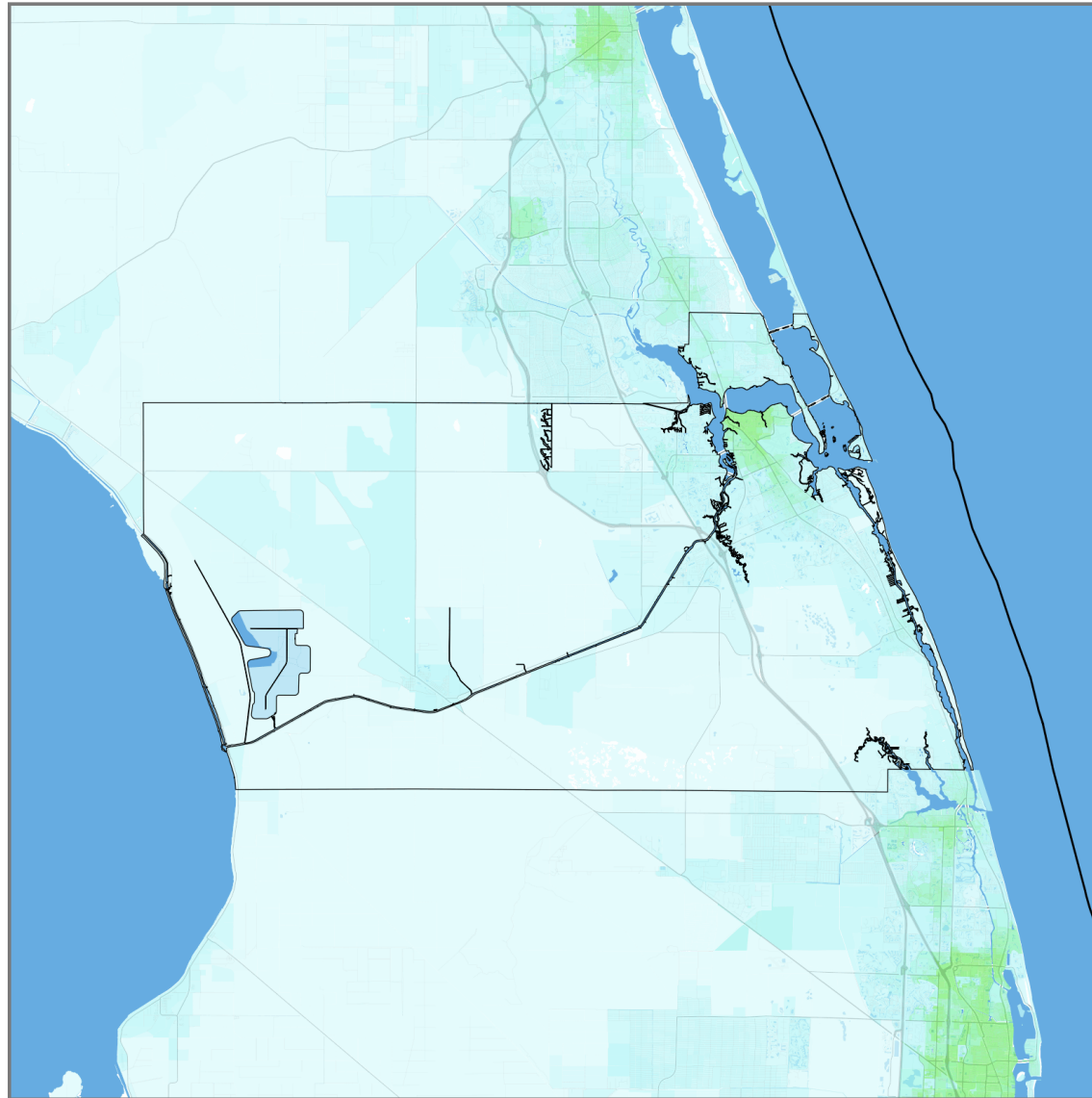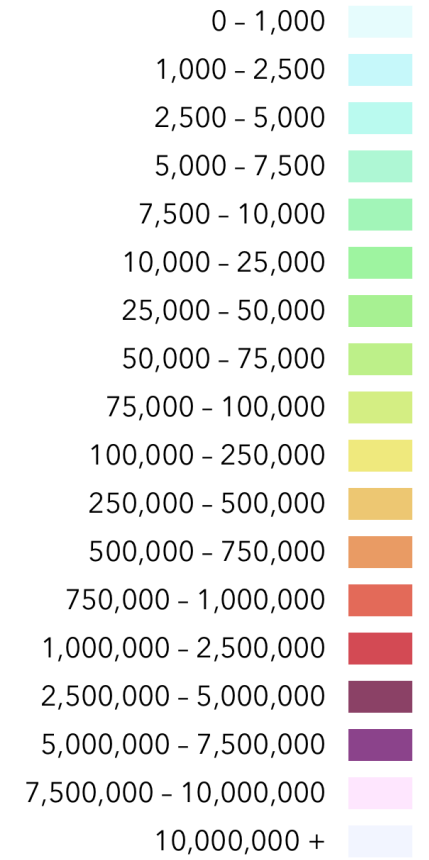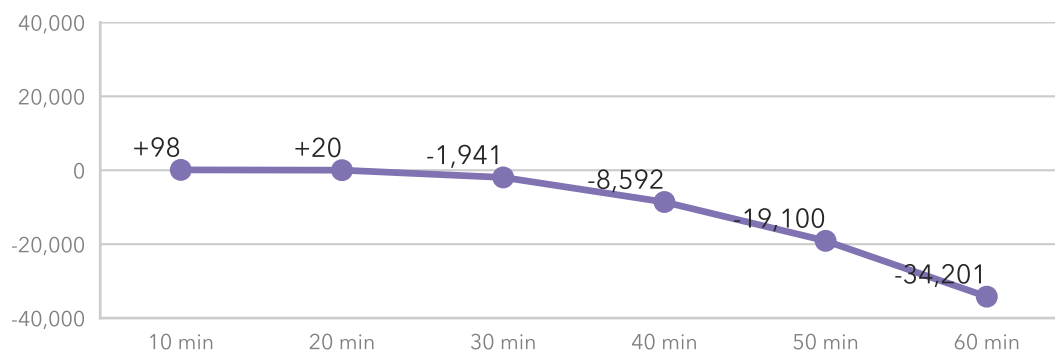
Transit Schedules Included

Agency	Dates
Broward County Transit	January 15, 2017 – June 17, 2017
Miami-Dade Transit	November 20, 2016 – September 16, 2017
SFRTA/Tri-Rail	April 20, 2012 – December 31, 2024

Miami-Dade TPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border —————

MPO boundary —————

North Florida Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-6.17%**
Total Jobs	**629,178**
Average Job Density (per mi^2)	**608**
Total Workers	**616,091**
Average Worker Density (per mi^2)	**595**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
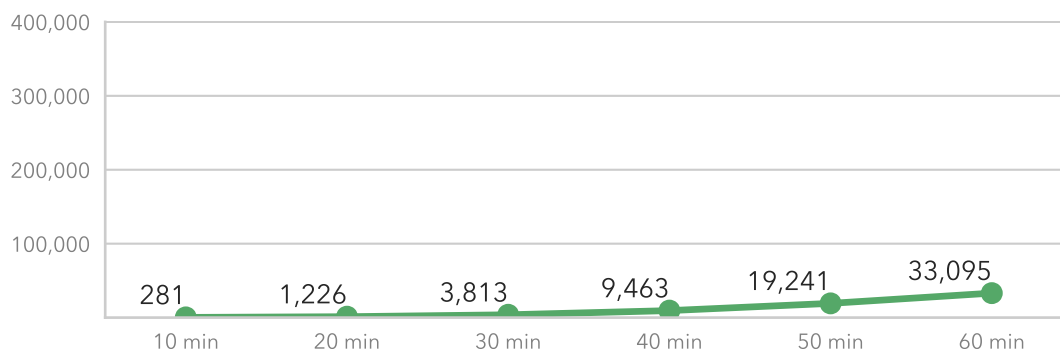
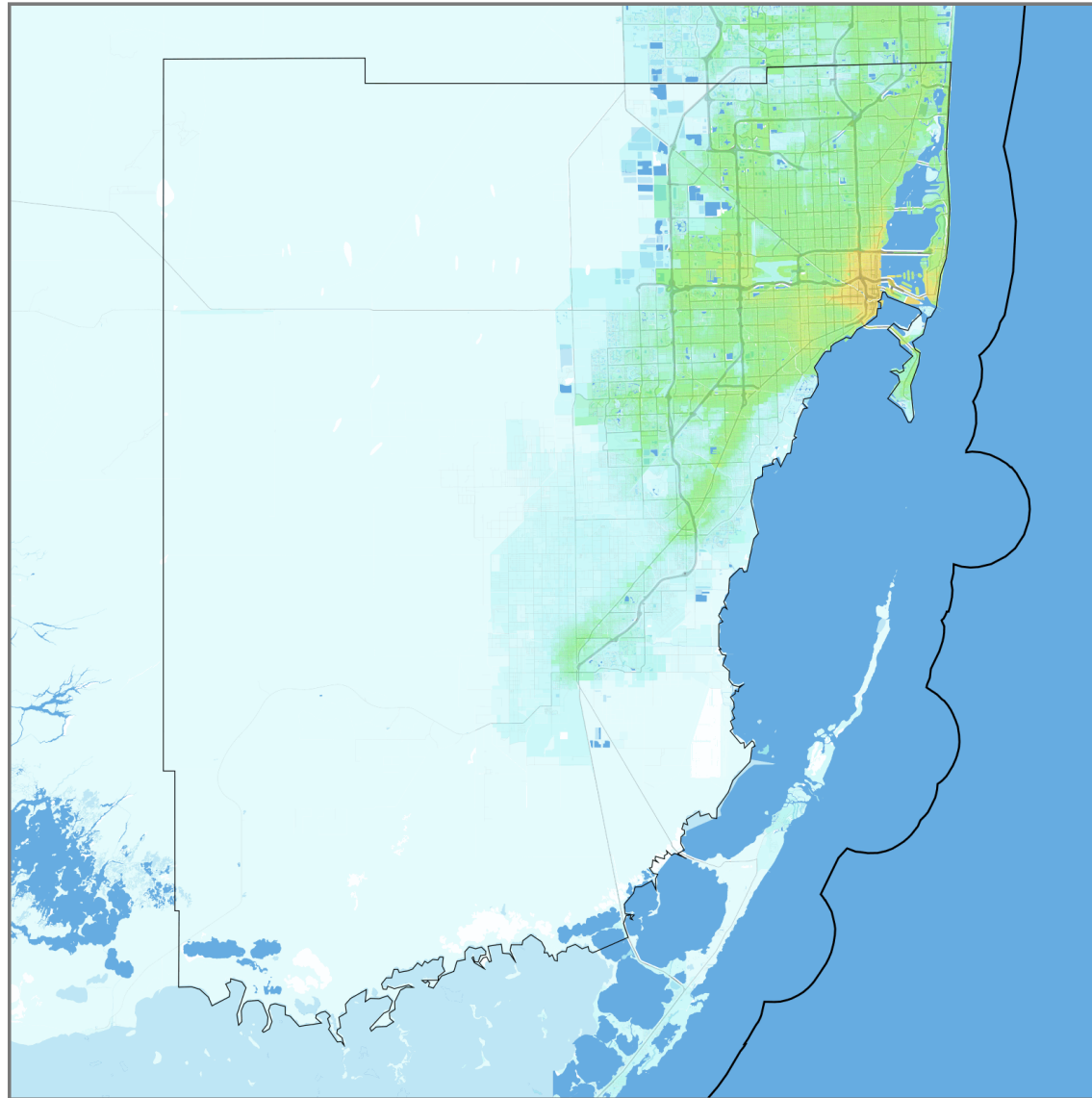## Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
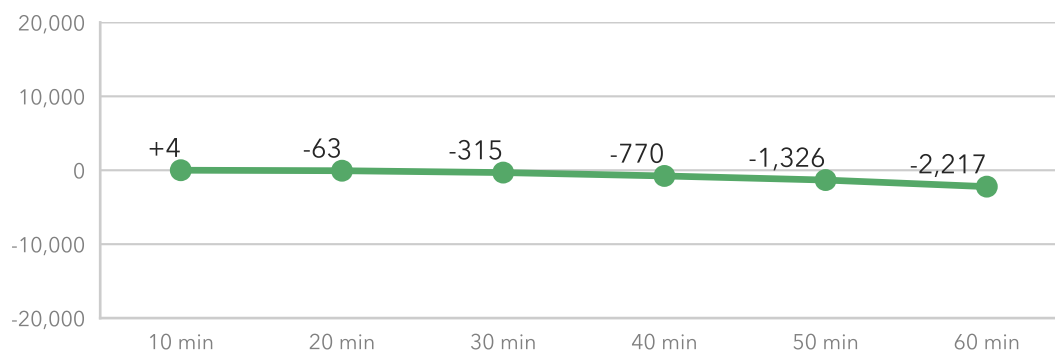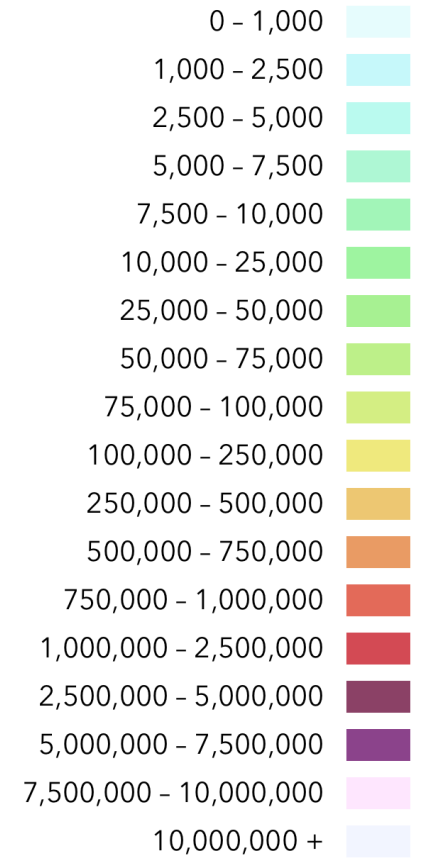
Transit Schedules Included

Agency	Dates
Jacksonville Transportation Authority	December 5, 2016 – April 2, 2017
Sunshine Bus Company	July 1, 2015 – July 1, 2017

North Florida Transportation Planning Organization
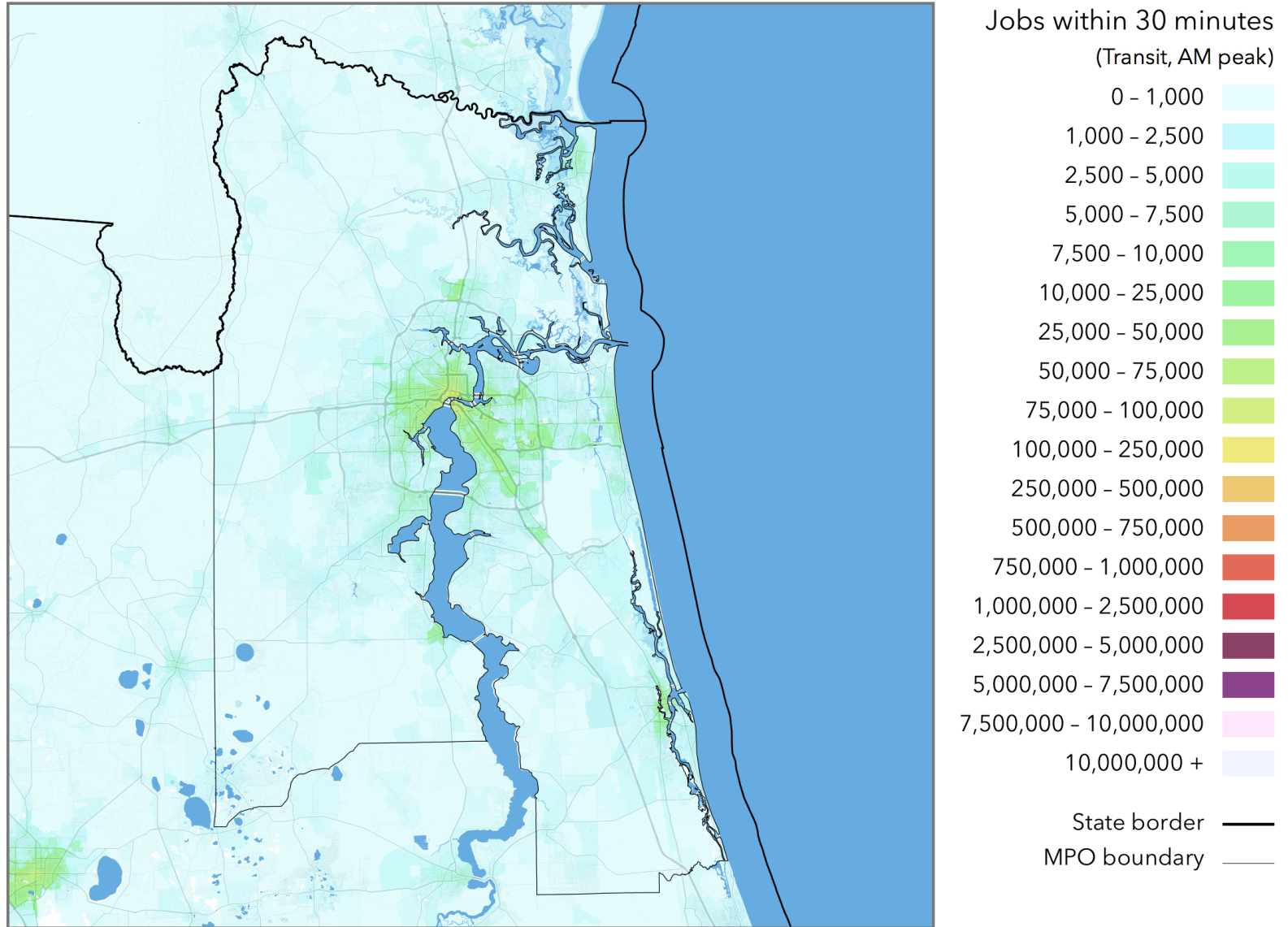
Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ⎯⎯⎯

MPO boundary ⎯⎯⎯

Ocala - Marion County Tranportation Planning Organization

Job Accessibility Results—Transit, 2017

|	
1-Year Change in Weighted Accessibility	**+9.31%**
Total Jobs	**97,646**
Average Job Density (per mi^2)	**152**
Total Workers	**113,776**
Average Worker Density (per mi^2)	**177**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
109	534	1,490	3,061	5,183	7,737

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+7	+52	+129	+248	+440	+665
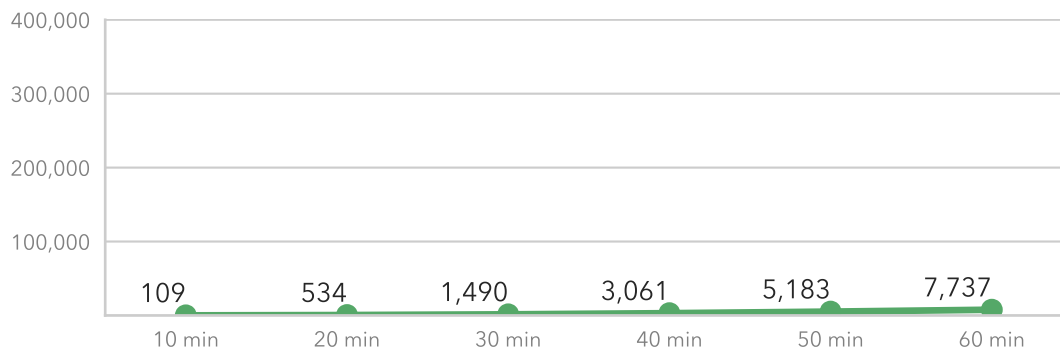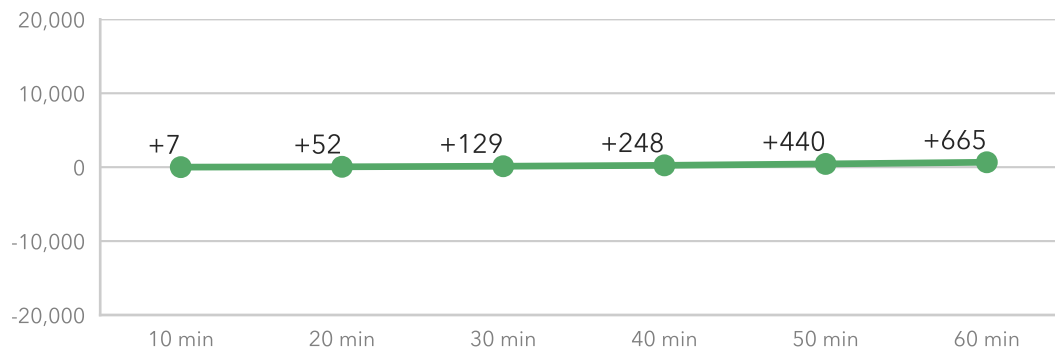
Transit Schedules Included

Agency	Dates
SunTran (City of Ocala)	July 1, 2015 – July 1, 2017

Ocala - Marion County Tranportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ——

MPO boundary ——

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Okaloosa-Walton Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-0.51%**
Total Jobs	**101,209**
Average Job Density (per mi^2)	**179**
Total Workers	**89,867**
Average Worker Density (per mi^2)	**159**

Job and worker totals are based on LEHD estimates and may not match other sources.

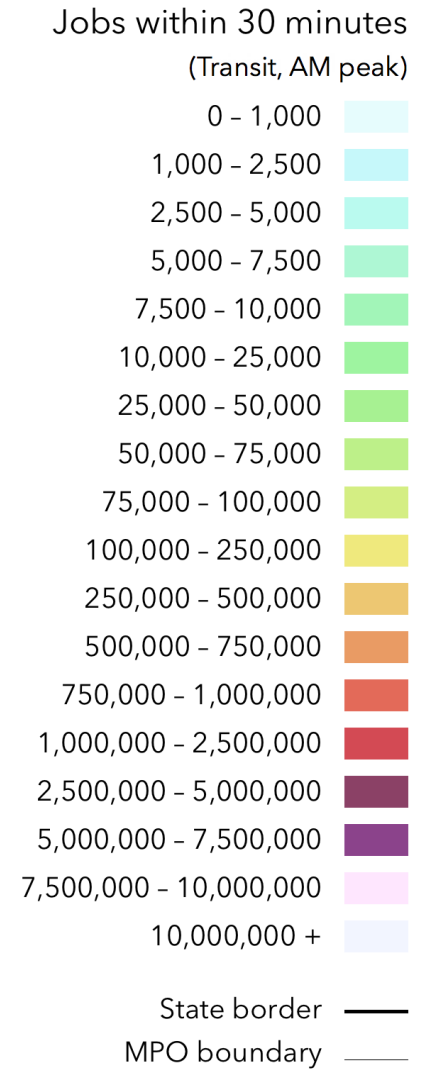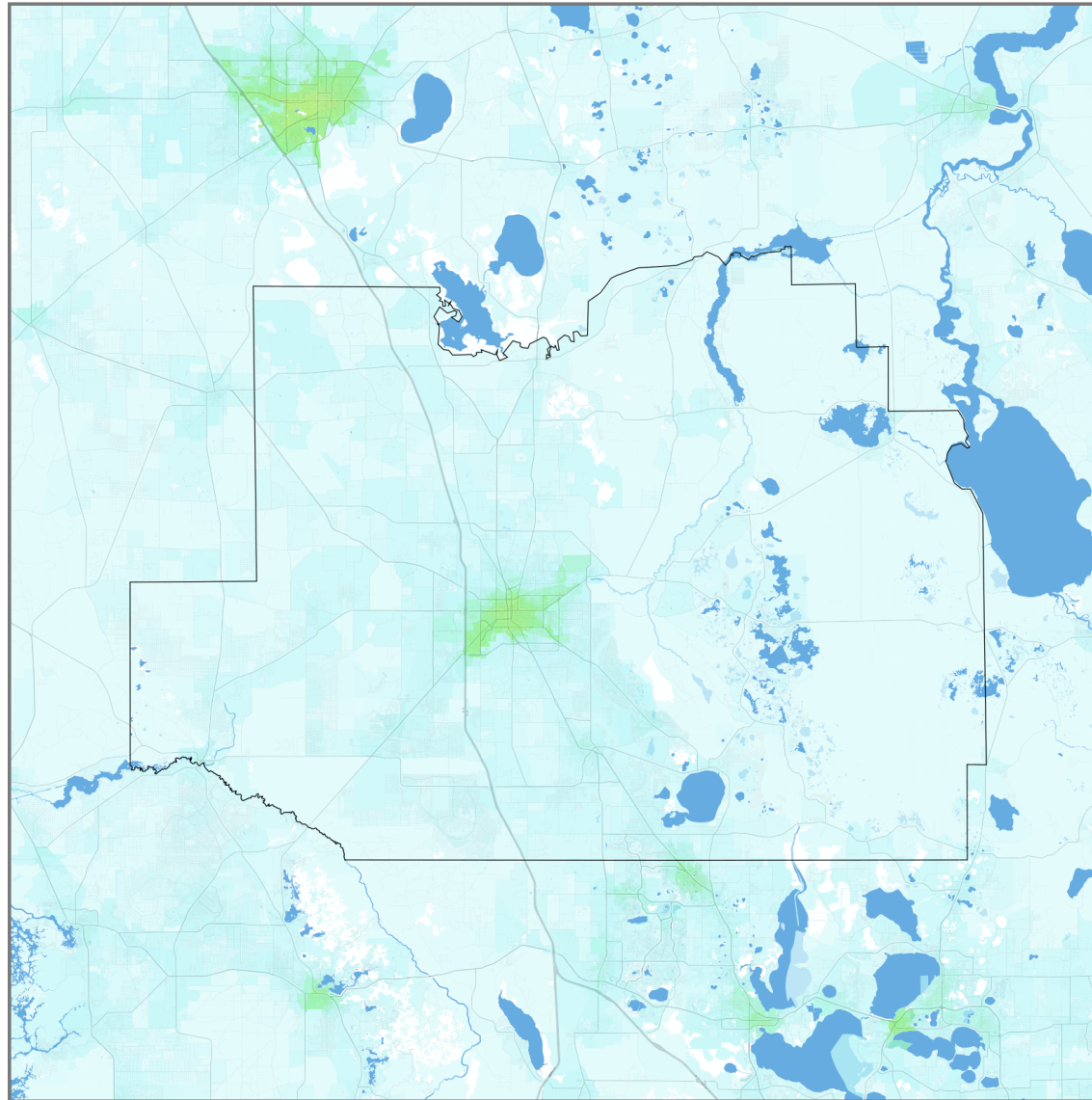## Average Job Accessibility by Travel Time Threshold (worker-weighted)
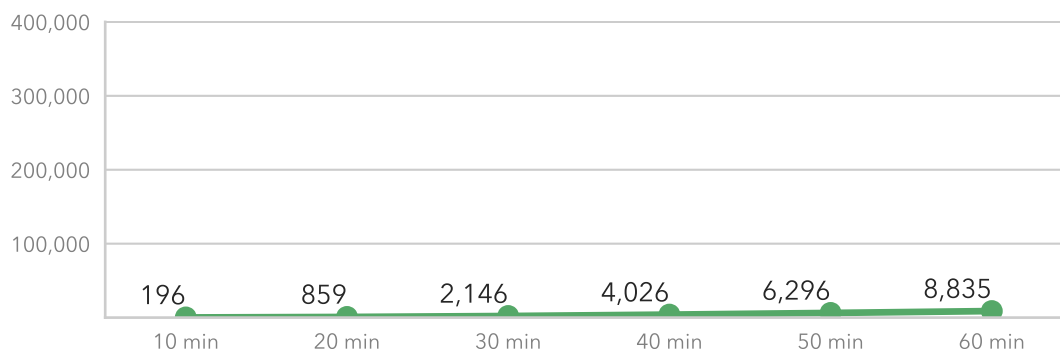
Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
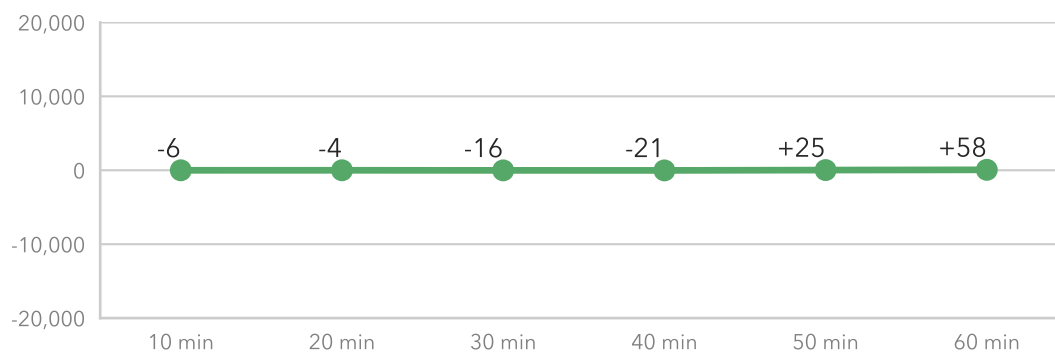
Transit Schedules Included

Agency	Dates
Emerald Coast Rider	July 1, 2015 – July 1, 2016

Okaloosa-Walton Transportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ⎯⎯⎯

MPO boundary ⎯⎯⎯

65
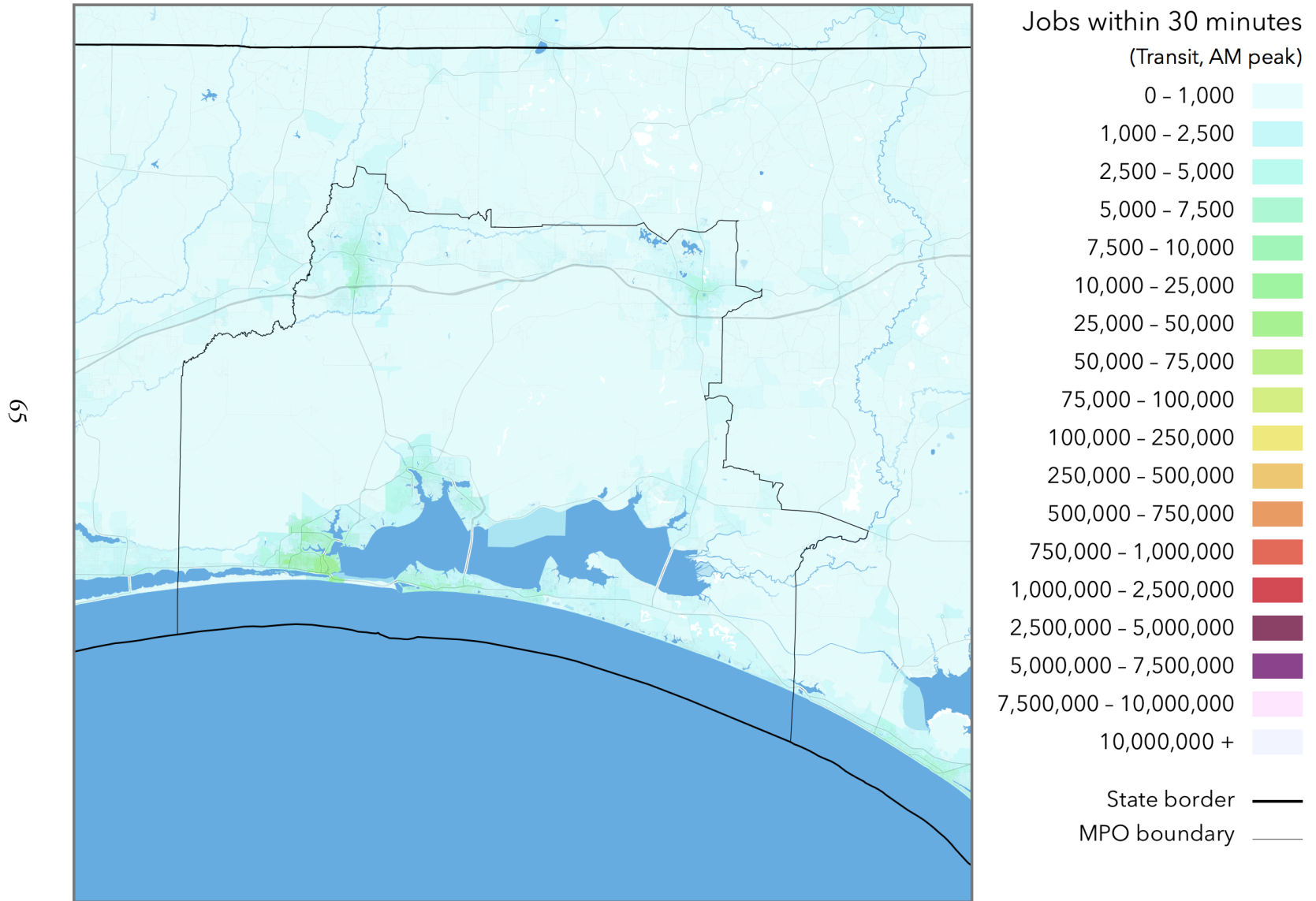
Palm Beach MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+4.50%**
Total Jobs	**576,595**
Average Job Density (per mi^2)	**754**
Total Workers	**550,160**
Average Worker Density (per mi^2)	**720**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	296	1,687	5,341	12,579	24,766	43,400

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	+18	+106	+290	+457	+820	+1,424
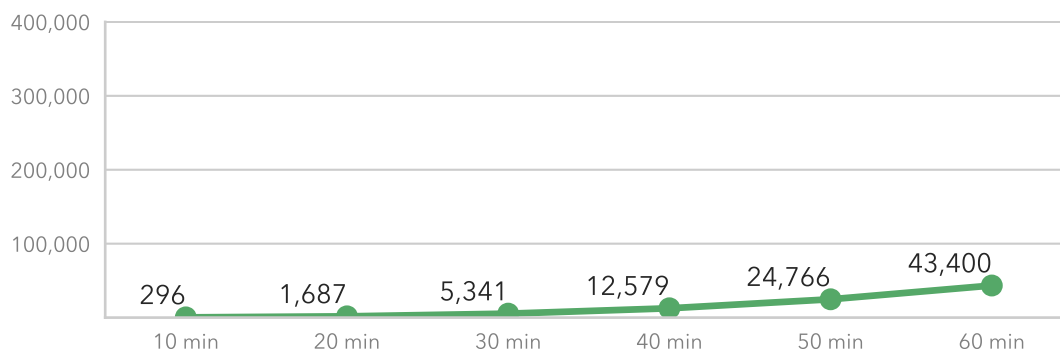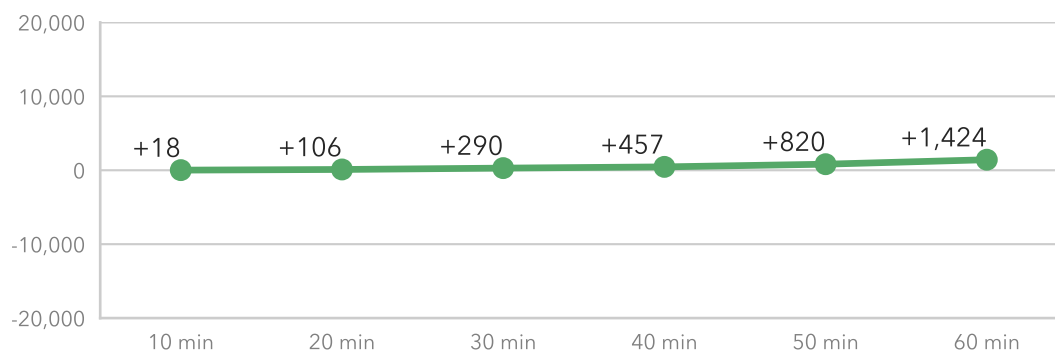
Transit Schedules Included

Agency	Dates
Broward County Transit	January 15, 2017 – June 17, 2017
Palm Tran	January 8, 2017 – May 13, 2017
SFRTA/Tri-Rail	April 20, 2012 – December 31, 2024

Palm Beach MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
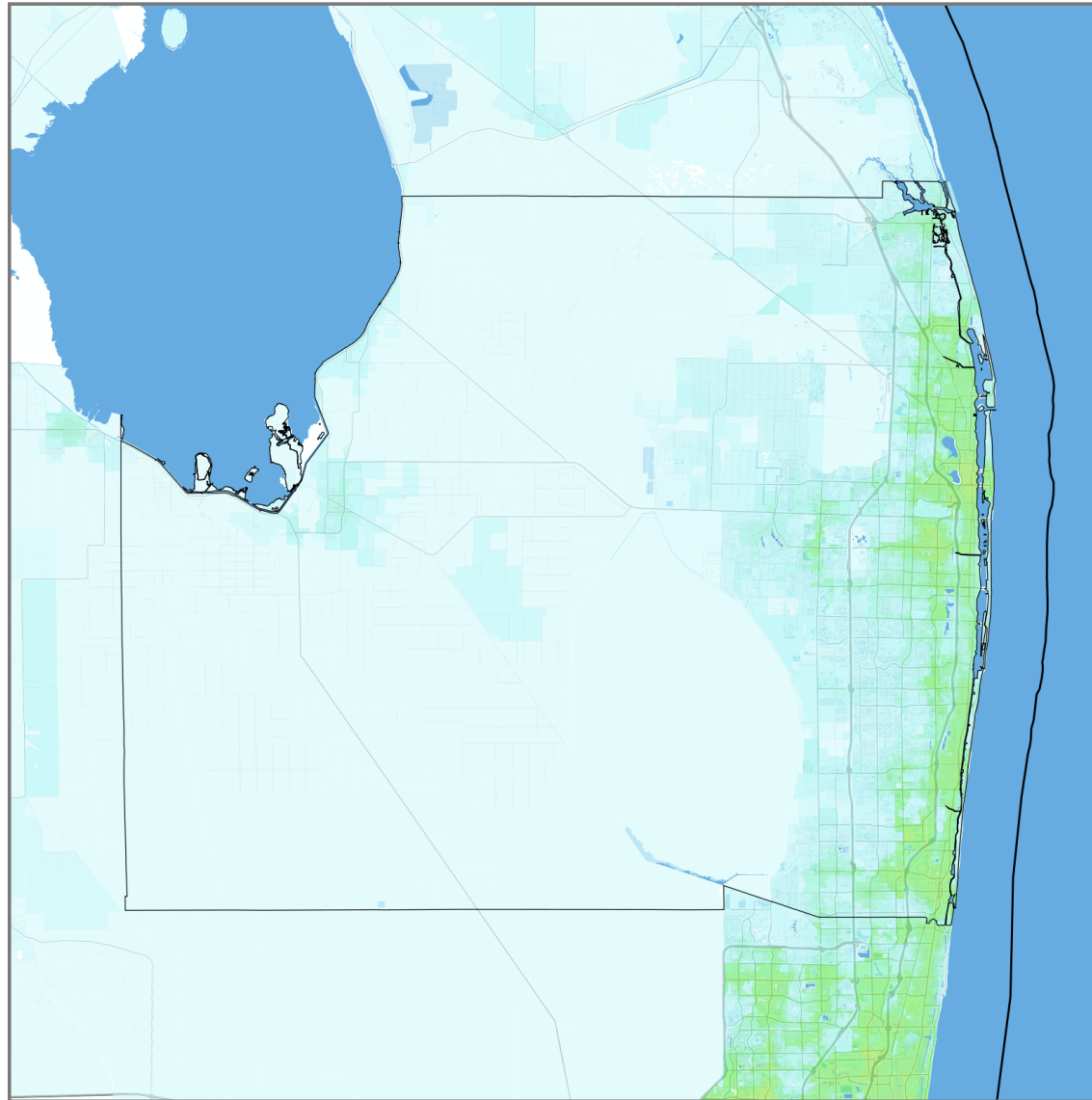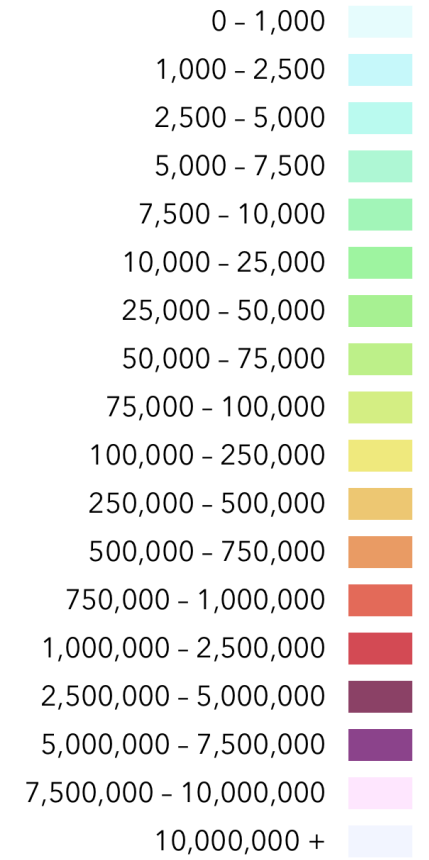
State border ——

MPO boundary ——

Pasco County MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+8.73%**
Total Jobs	**113,227**
Average Job Density (per mi^2)	**382**
Total Workers	**184,533**
Average Worker Density (per mi^2)	**623**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	119	387	915	1,652	2,644	3,782

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	+8	+33	+86	+121	+205	+290
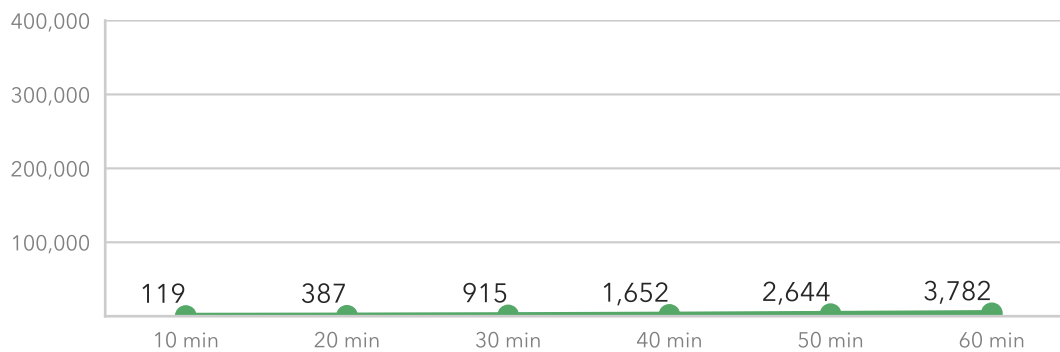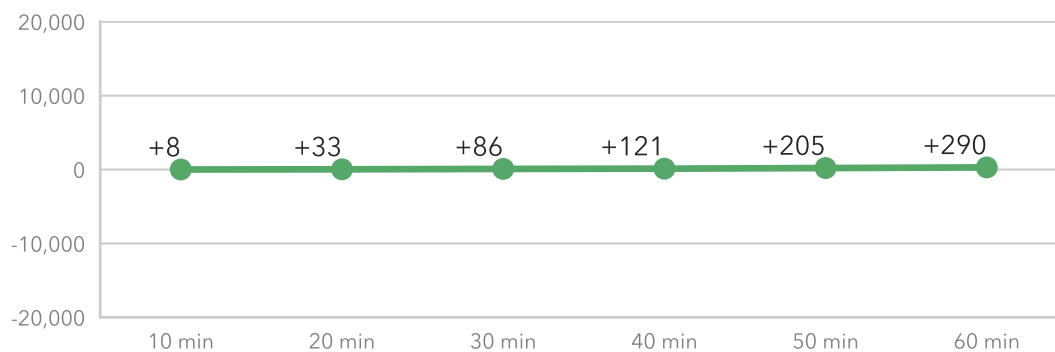
Transit Schedules Included

Agency	Dates
Hillsborough Area Regional Transit	December 4, 2016 – July 15, 2017
The Hernando Express	January 1, 2015 – January 1, 2017

Pasco County MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	
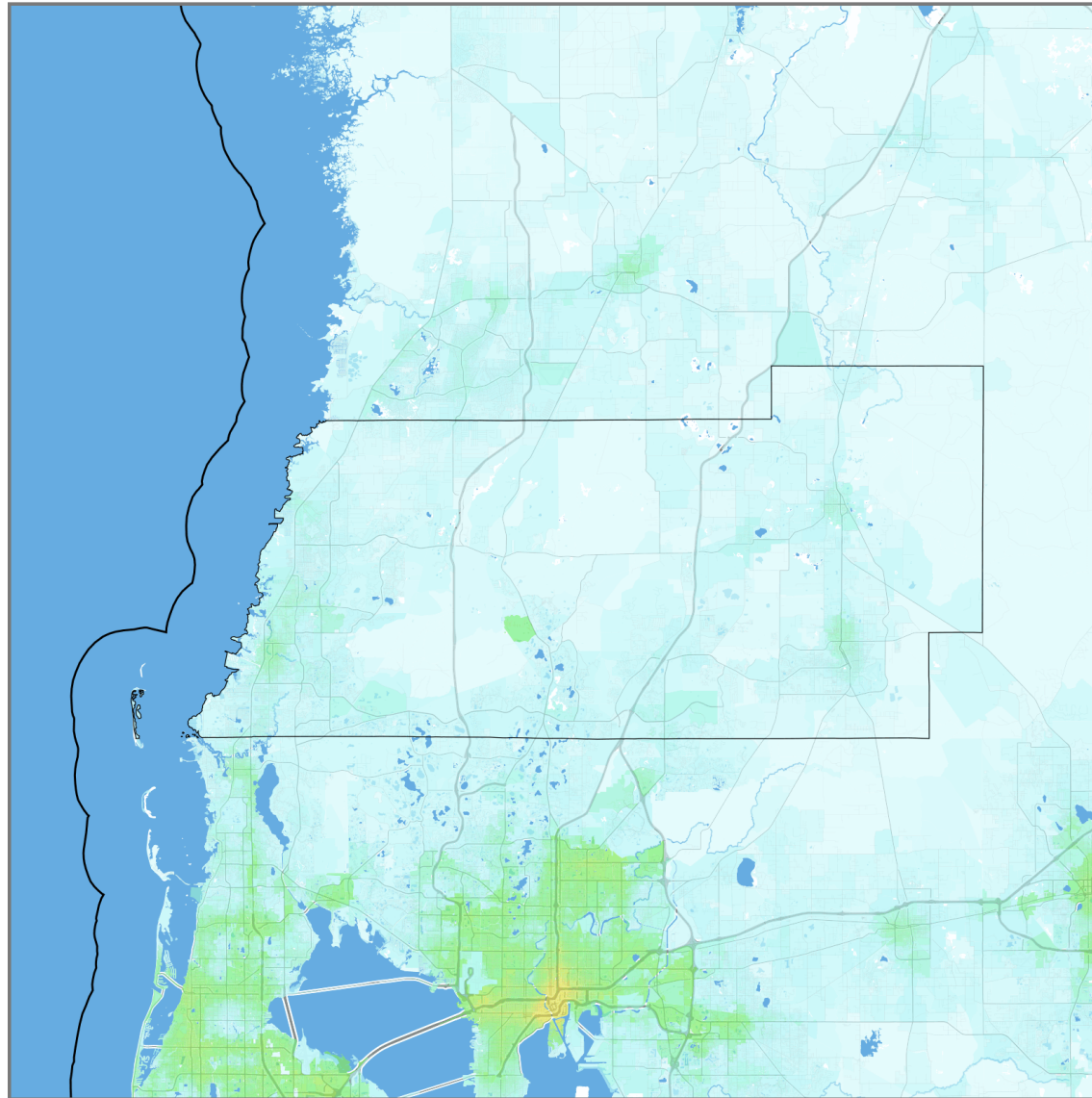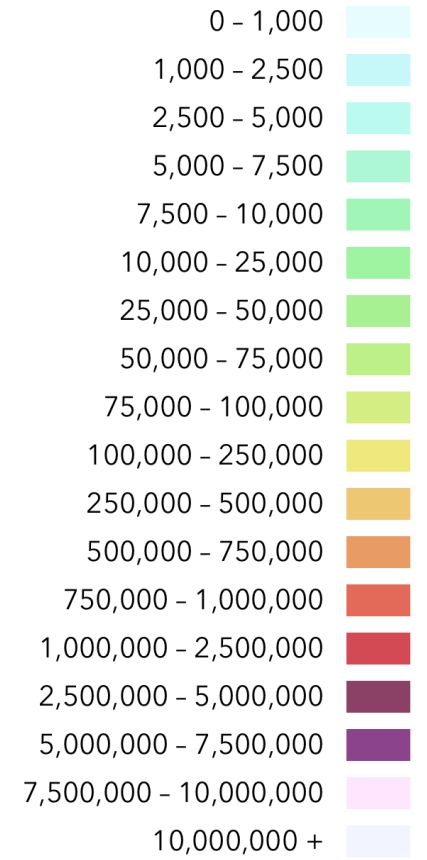
State border
MPO boundary

Polk County Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**-13.45%**
Total Jobs	**225,615**
Average Job Density (per mi^2)	**290**
Total Workers	**251,431**
Average Worker Density (per mi^2)	**323**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	156	723	1,787	3,173	5,033	7,299

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

	10 min	20 min	30 min	40 min	50 min	60 min
	-4	-23	-161	-618	-1,441	-2,509
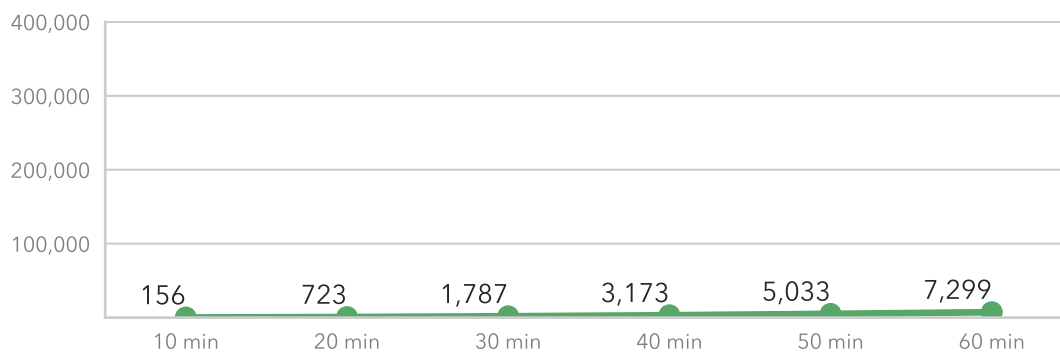
Transit Schedules Included

Agency	Dates
Central Florida Regional Transit Authority	January 10, 2017 – April 29, 2017
Lakeland	July 3, 2015 – December 31, 2015
Polk County Transit Services	July 3, 2015 – December 31, 2015
Winter Haven Area Transit	July 3, 2015 – December 31, 2015

Polk County Transportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

Range	
0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border
MPO boundary

River to Sea Transporation Planning Organization
Job Accessibility Results—Transit, 2017

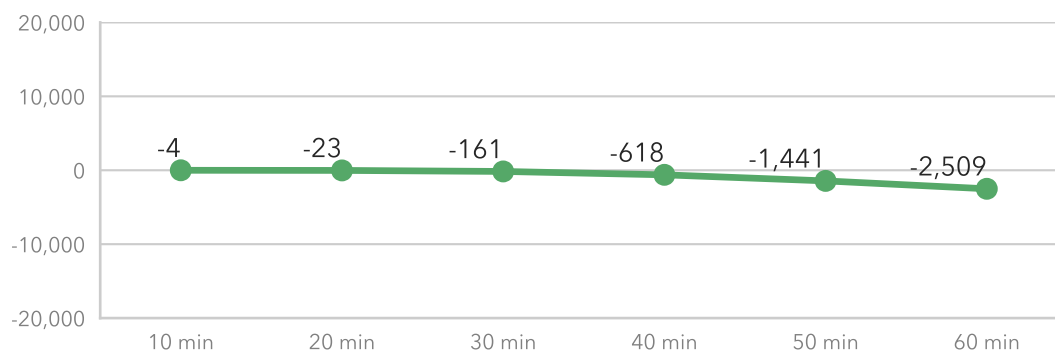|	
1-Year Change in Weighted Accessibility	**+7.22%**
Total Jobs	**181,269**
Average Job Density (per mi^2)	**346**
Total Workers	**232,927**
Average Worker Density (per mi^2)	**444**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
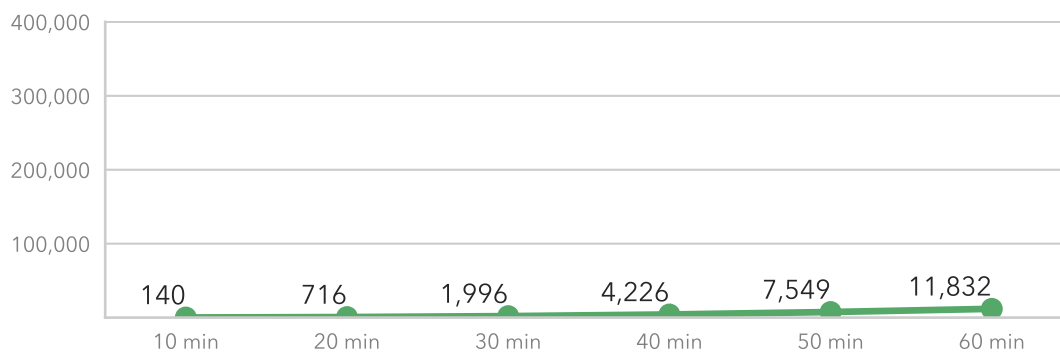
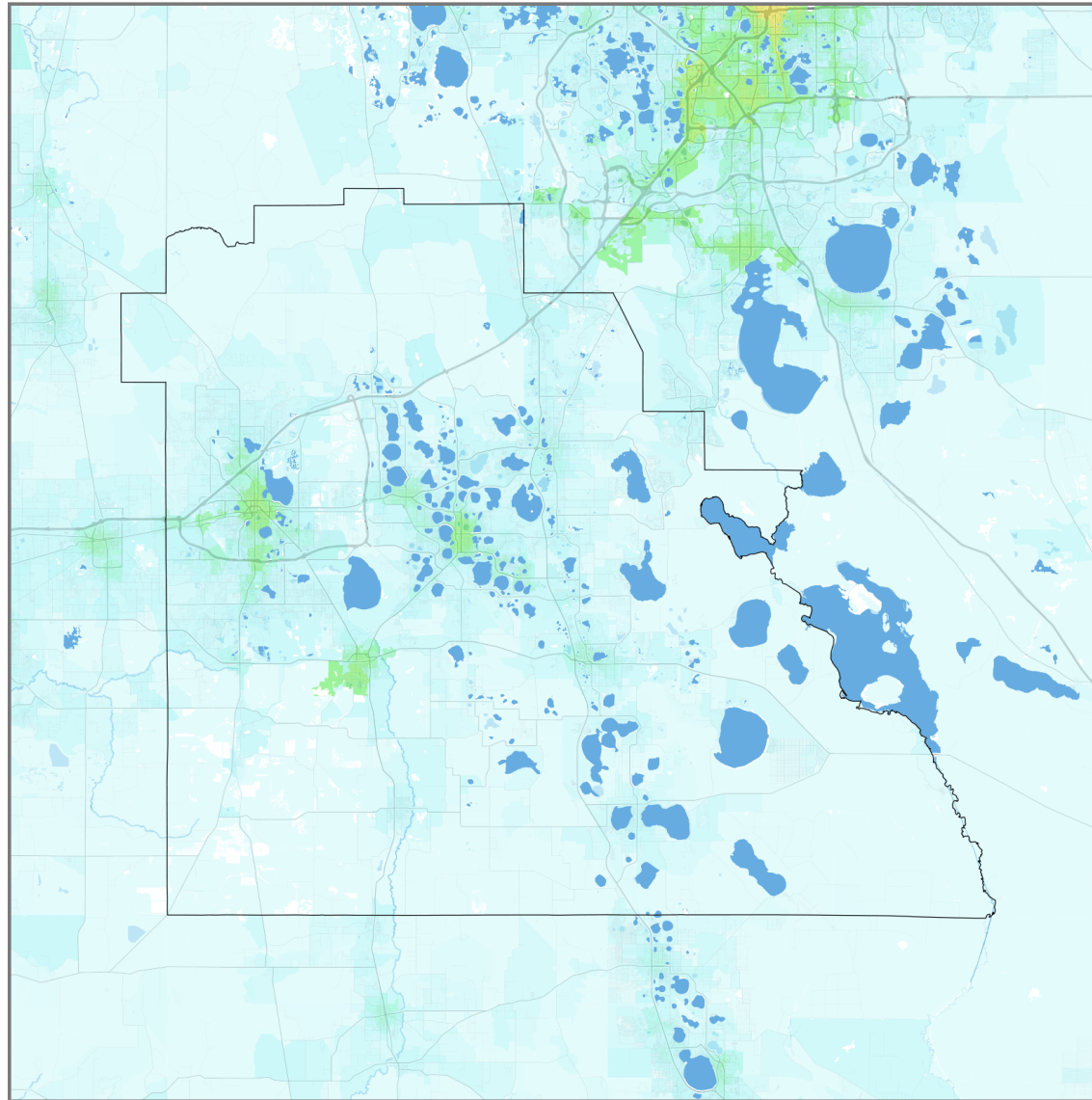**Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)**
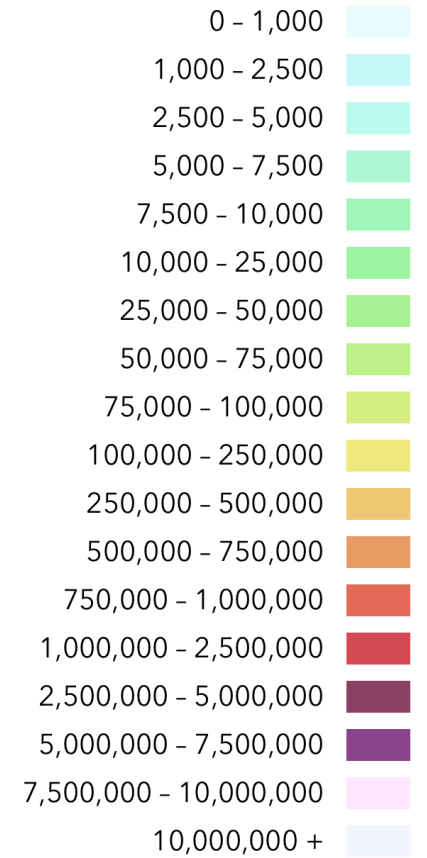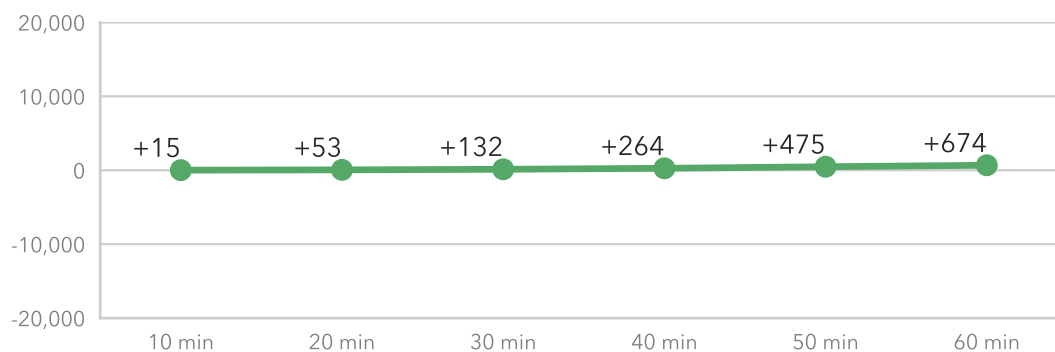
Transit Schedules Included

Agency	Dates
Florida Department of Transportation	December 21, 2015 – December 31, 2017
Votran	December 21, 2016 – December 31, 2017

River to Sea Transporation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

- 0 – 1,000
- 1,000 – 2,500
- 2,500 – 5,000
- 5,000 – 7,500
- 7,500 – 10,000
- 10,000 – 25,000
- 25,000 – 50,000
- 50,000 – 75,000
- 75,000 – 100,000
- 100,000 – 250,000
- 250,000 – 500,000
- 500,000 – 750,000
- 750,000 – 1,000,000
- 1,000,000 – 2,500,000
- 2,500,000 – 5,000,000
- 5,000,000 – 7,500,000
- 7,500,000 – 10,000,000
- 10,000,000 +

State border
MPO boundary

Sarasota-Manatee MPO

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+3.14%**
Total Jobs	**265,807**
Average Job Density (per mi^2)	**515**
Total Workers	**275,942**
Average Worker Density (per mi^2)	**535**

Job and worker totals are based on LEHD estimates and may not match other sources.

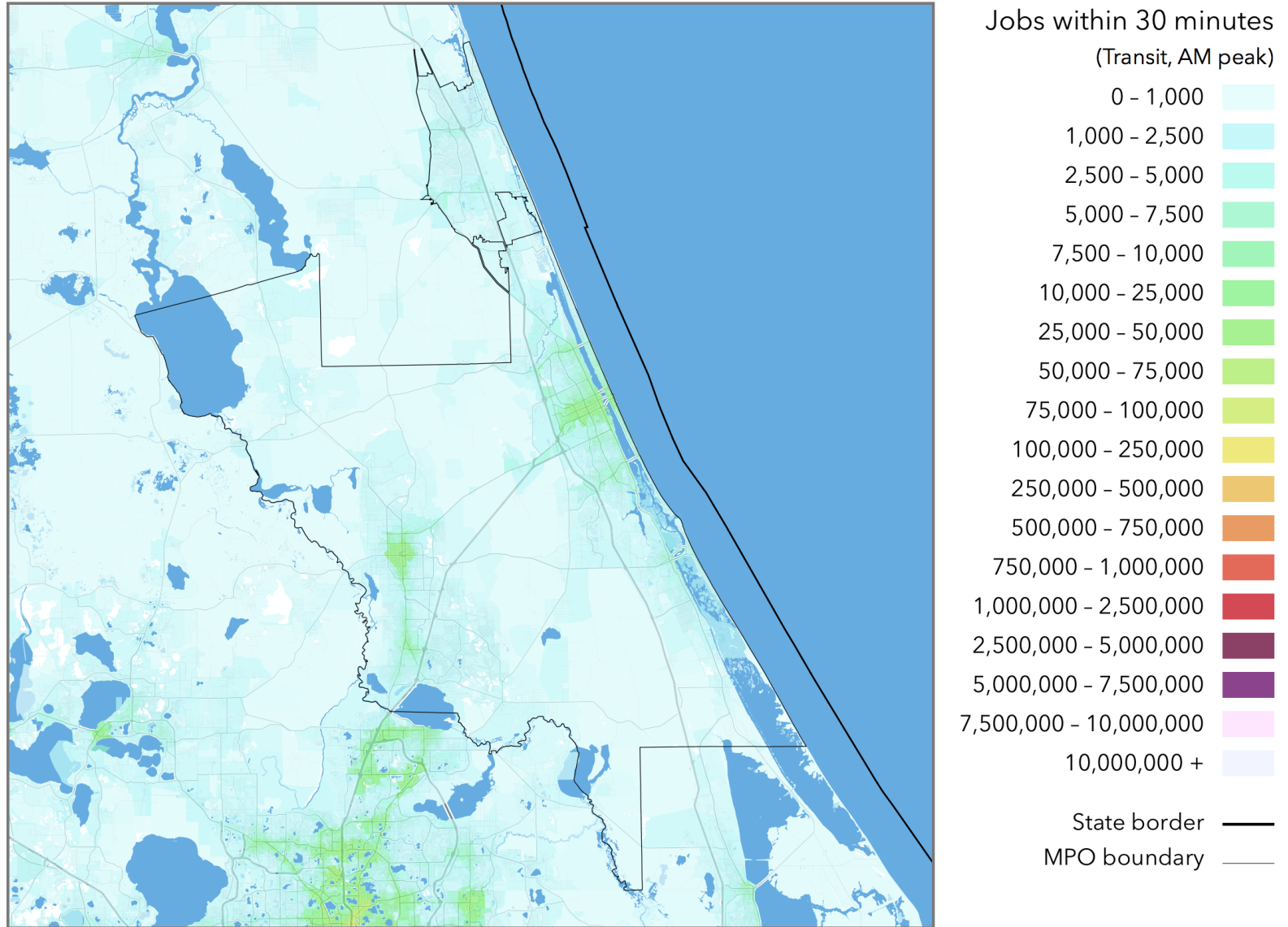**Average Job Accessibility by Travel Time Threshold (worker-weighted)**

10 min	20 min	30 min	40 min	50 min	60 min
216	1,230	3,699	8,299	15,365	24,821

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+13	+43	+87	+196	+446	+820
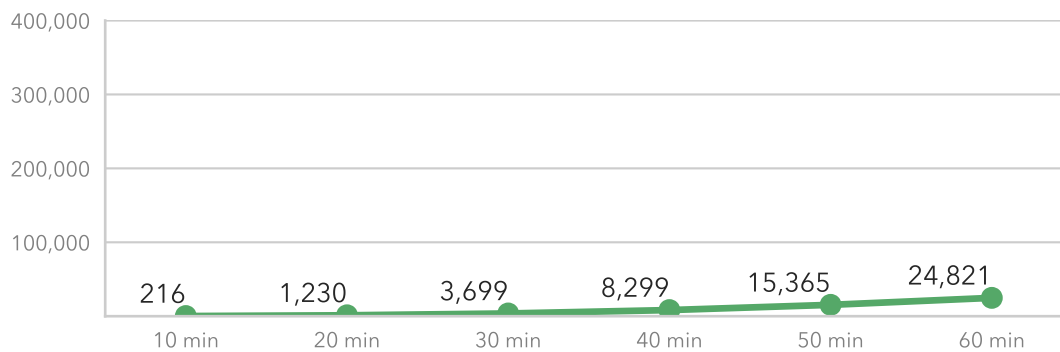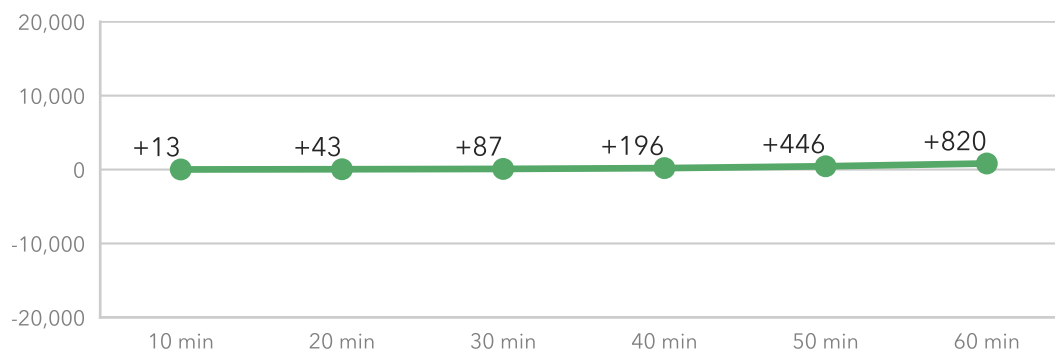
Transit Schedules Included

Agency	Dates
Manatee County Area Transit	November 12, 2016 – April 15, 2018
Sarasota County Area Transit	April 16, 2016 – December 2, 2016

Sarasota-Manatee MPO

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border
MPO boundary

Space Coast Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+9.30%**
Total Jobs	**192,211**
Average Job Density (per mi^2)	**466**
Total Workers	**216,418**
Average Worker Density (per mi^2)	**525**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)
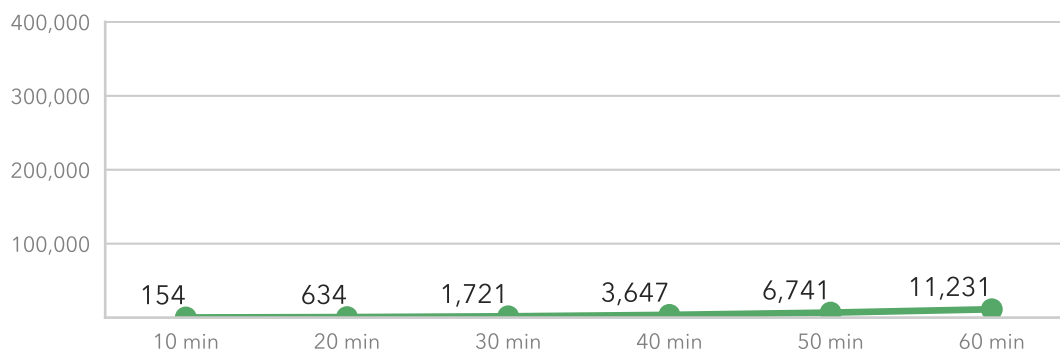
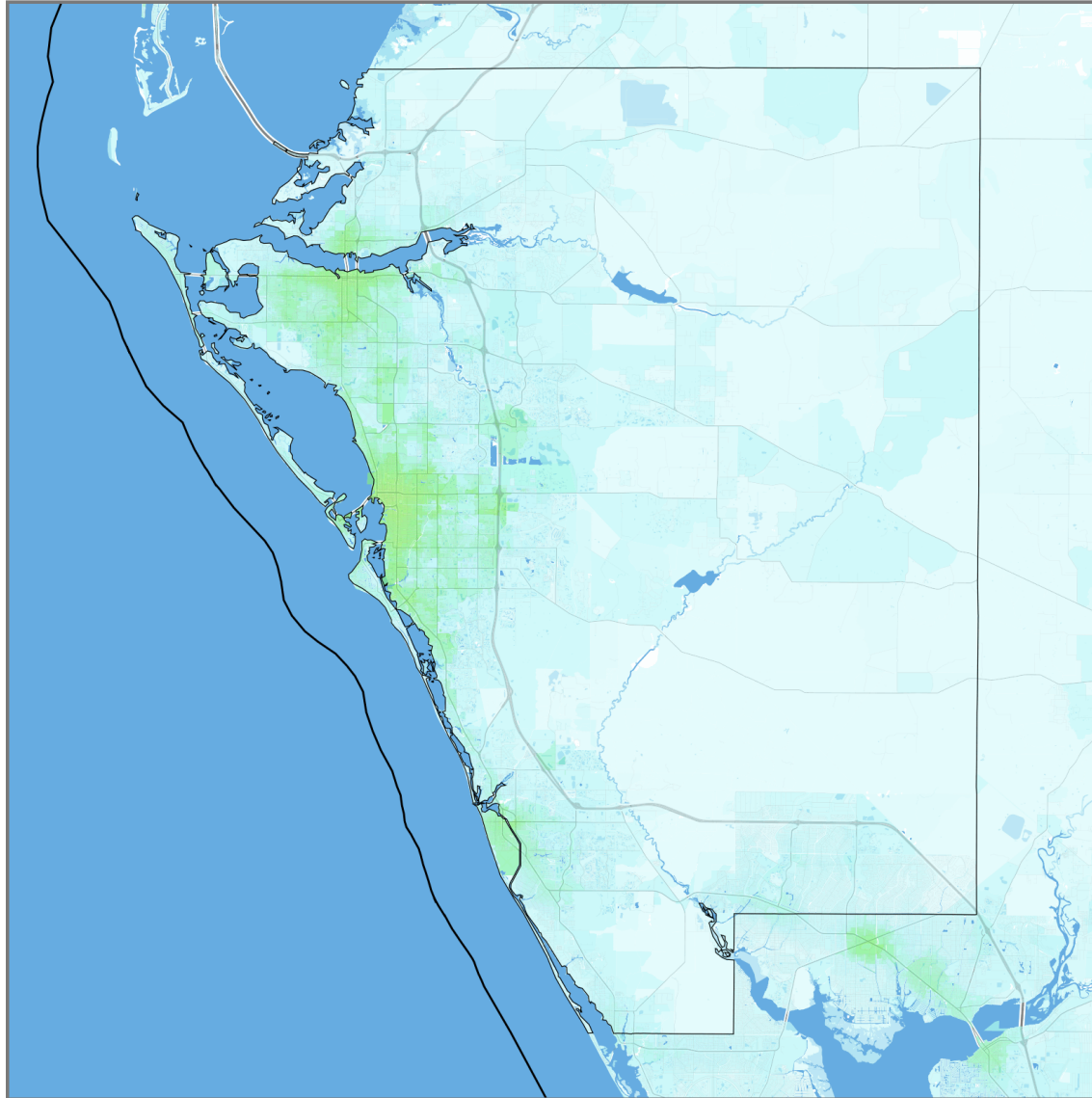## Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)
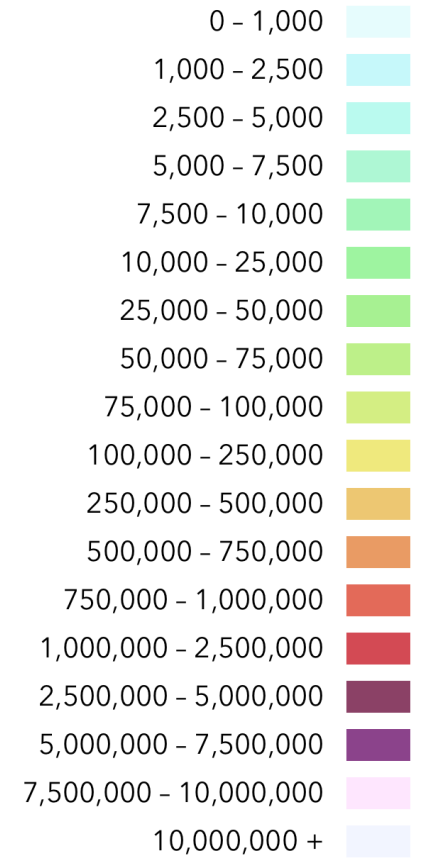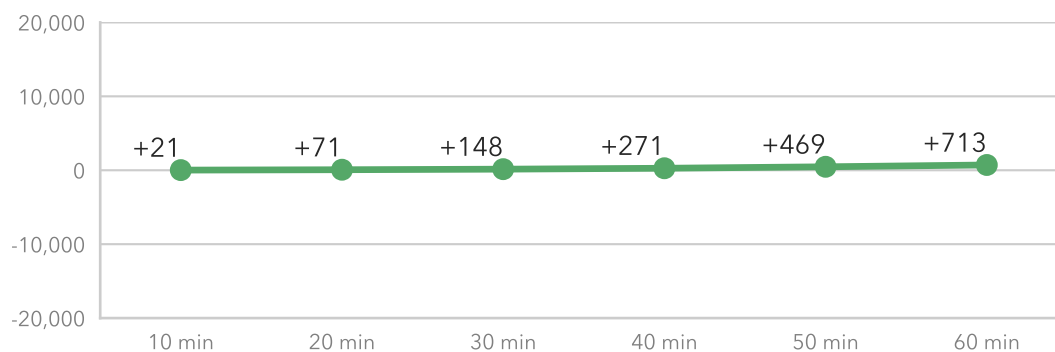
Transit Schedules Included

Agency	Dates
Space Coast Area Transit	July 12, 2014 – January 1, 2017

Space Coast Transportation Planning Organization
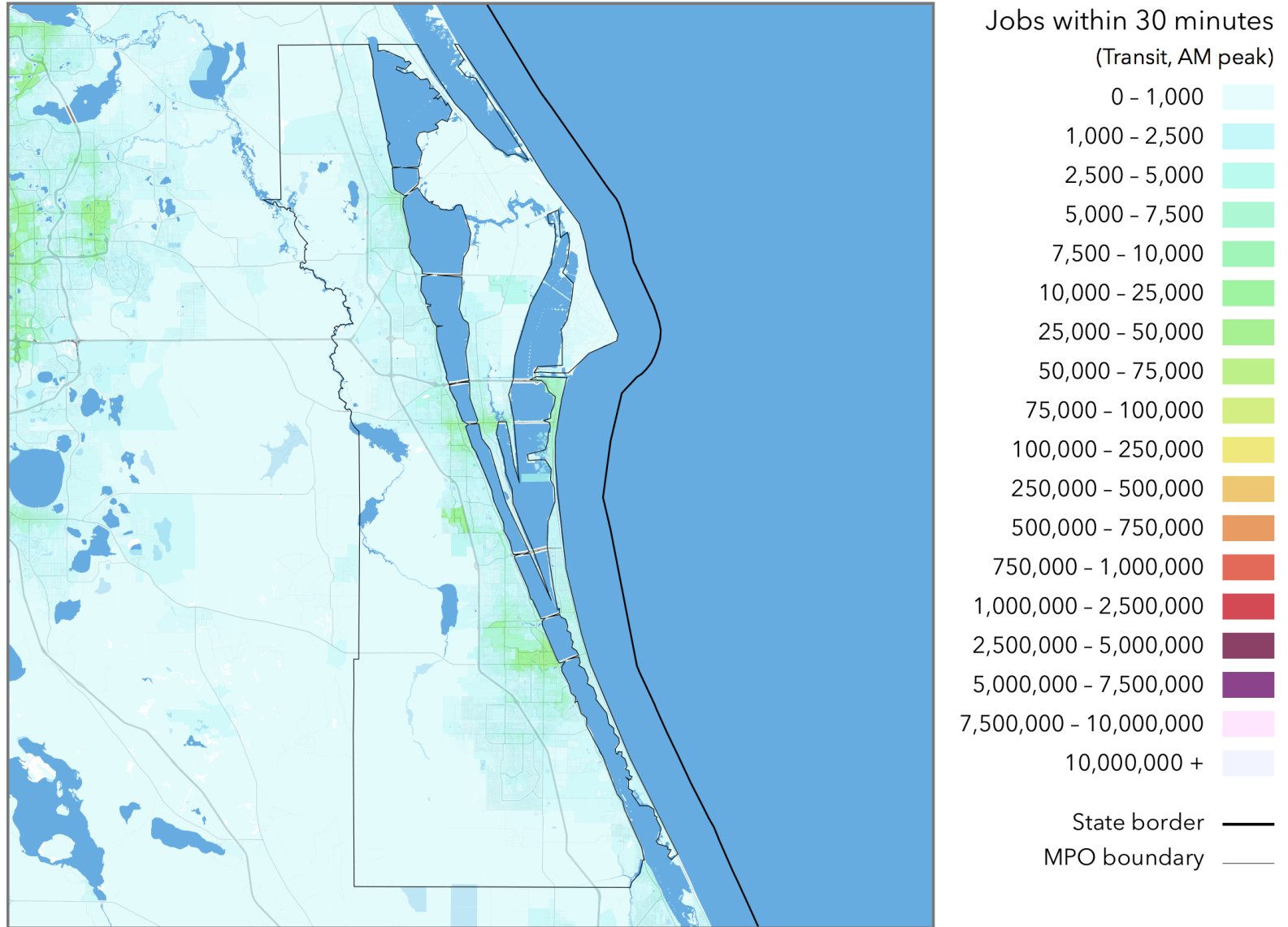
Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border
MPO boundary

St. Lucie Transportation Planning Organization

Job Accessibility Results—Transit, 2017

1-Year Change in Weighted Accessibility	**+14.97%**
Total Jobs	**71,715**
Average Job Density (per mi^2)	**320**
Total Workers	**107,190**
Average Worker Density (per mi^2)	**478**

Job and worker totals are based on LEHD estimates and may not match other sources.

Average Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
118	559	1,444	2,869	4,619	6,876

Average 1-Year Change in Job Accessibility by Travel Time Threshold (worker-weighted)

10 min	20 min	30 min	40 min	50 min	60 min
+10	+15	+167	+397	+859	+1,586
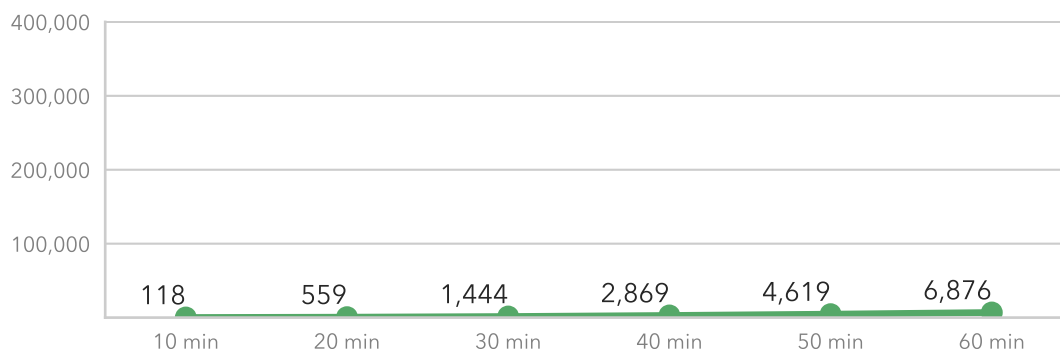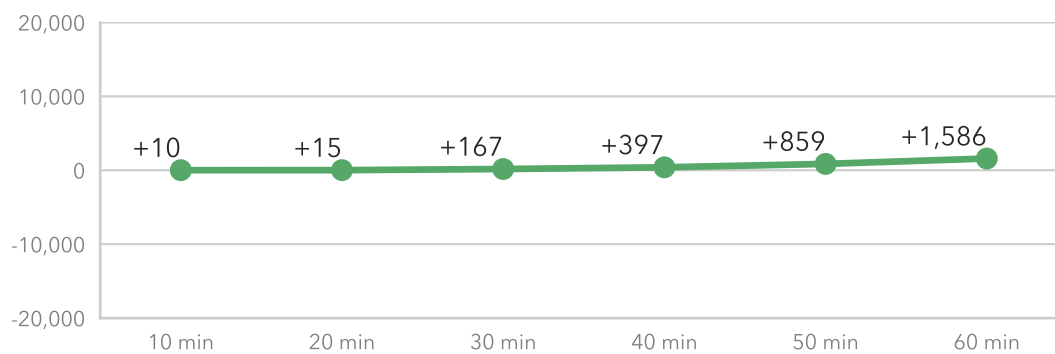
Transit Schedules Included

Agency	Dates
Martin County Public Transit	May 1, 2013 – December 31, 2014
Treasure Coast Connector	May 18, 2015 – December 31, 2015

St. Lucie Transportation Planning Organization

Jobs within 30 minutes
(Transit, AM peak)

0 – 1,000	
1,000 – 2,500	
2,500 – 5,000	
5,000 – 7,500	
7,500 – 10,000	
10,000 – 25,000	
25,000 – 50,000	
50,000 – 75,000	
75,000 – 100,000	
100,000 – 250,000	
250,000 – 500,000	
500,000 – 750,000	
750,000 – 1,000,000	
1,000,000 – 2,500,000	
2,500,000 – 5,000,000	
5,000,000 – 7,500,000	
7,500,000 – 10,000,000	
10,000,000 +	

State border ——————

MPO boundary ——————

98
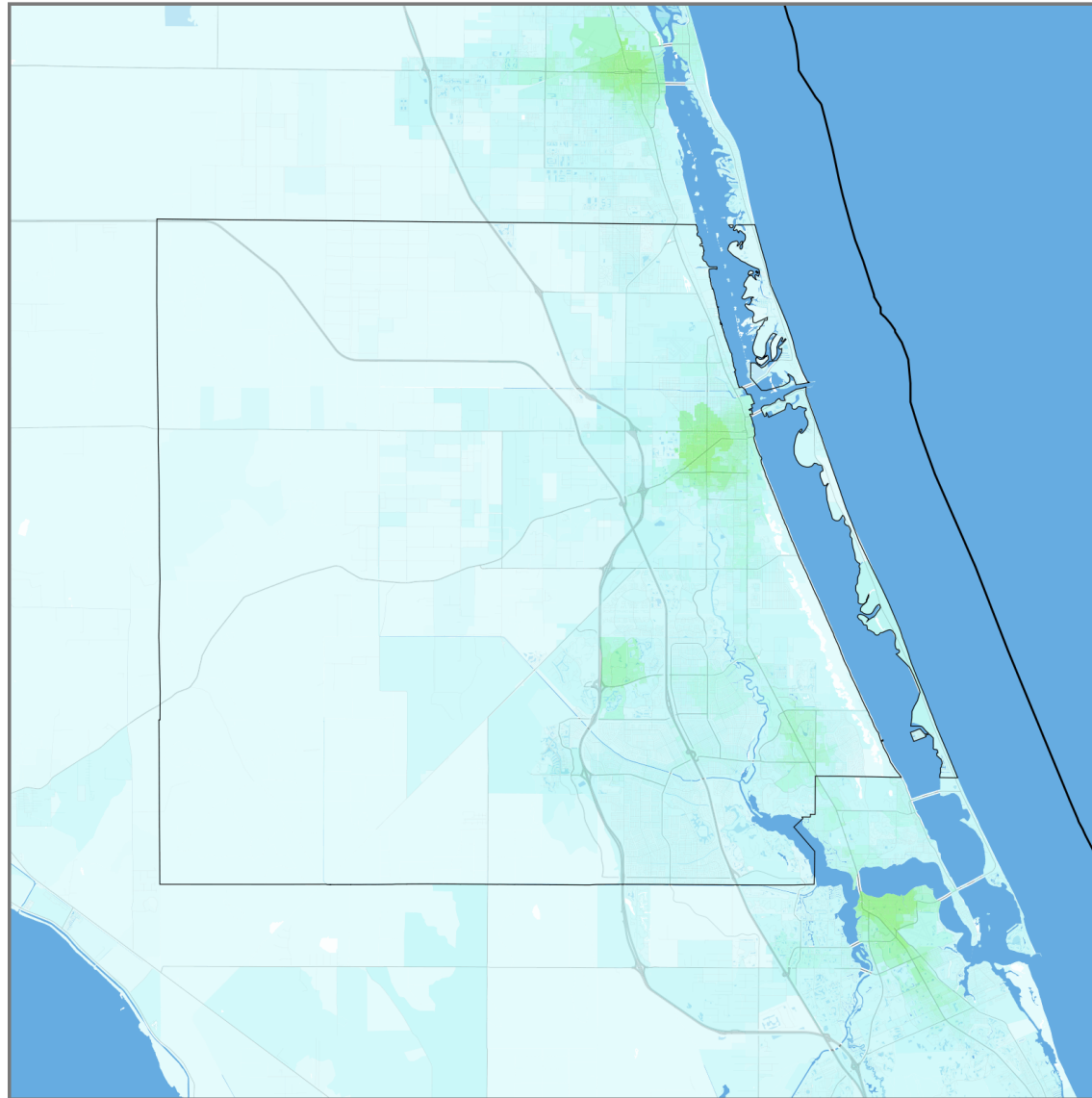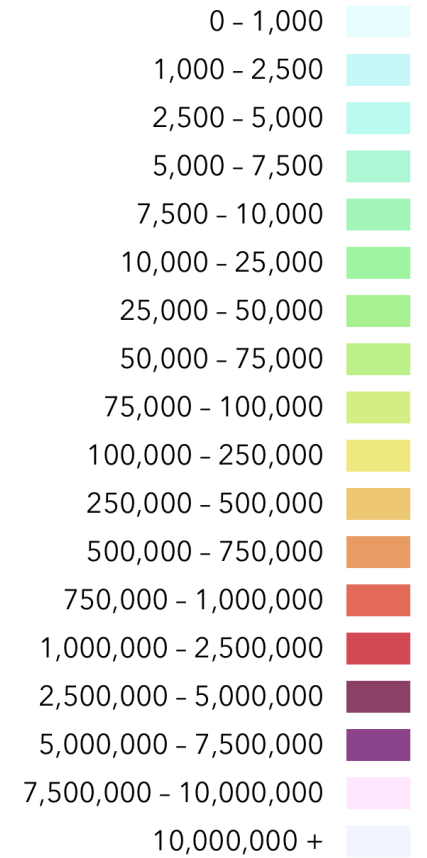
2.3 Accessibility by County

Table 26: Average Job Accessibility by Travel Time Threshold for Counties (Transit, AM Peak)

County	Travel time (minutes)					
	10	20	30	40	50	60
Alachua	325	2,204	7,504	16,515	28,405	40,422
Baker	60	222	474	786	1,084	1,407
Bay	153	764	2,076	4,081	6,821	10,240
Bradford	65	247	493	706	912	1,109
Brevard	154	634	1,721	3,647	6,736	11,217
Broward	397	2,718	10,096	26,827	56,899	104,424
Calhoun	65	145	243	365	511	630
Charlotte	94	471	1,140	2,148	3,334	4,680
Citrus	43	177	409	723	1,128	1,613
Clay	155	486	1,171	2,069	3,186	4,413
Collier	171	741	2,001	4,160	7,514	12,378
Columbia	131	483	1,083	1,772	2,435	3,110
DeSoto	118	487	1,003	1,478	1,857	2,147
Dixie	23	78	126	163	203	289
Duval	345	1,608	5,190	13,245	27,386	47,592
Escambia	205	1,242	3,807	8,381	15,243	24,406
Flagler	40	122	315	622	1,040	1,558
Franklin	83	228	379	483	559	625
Gadsden	91	265	485	721	941	1,139
Gilchrist	31	81	149	203	254	306
Glades	35	93	150	246	304	391
Gulf	75	209	360	497	613	700
Hamilton	31	129	198	245	314	510
Hardee	95	391	660	929	1,112	1,283
Hendry	167	668	1,178	1,517	1,915	2,281
Hernando	66	323	838	1,682	2,887	4,463
Highlands	90	344	700	1,173	1,664	2,144
Hillsborough	381	2,399	8,042	19,171	37,034	62,163
Holmes	34	141	247	349	425	487
Indian River	116	550	1,287	2,323	3,654	5,348
Jackson	78	269	485	721	947	1,201
Jefferson	29	74	129	187	233	266
Lafayette	42	108	138	183	258	301
Lake	124	428	940	1,629	2,462	3,469
Lee	159	848	2,398	5,047	8,904	14,248
Leon	231	1,630	5,602	13,366	24,418	37,483
Levy	29	103	188	256	334	421

Table 26: (continued)

Liberty	77	122	171	217	251	288
Madison	69	235	415	562	667	769
Manatee	178	990	2,947	6,565	12,254	20,097
Marion	109	534	1,489	3,058	5,178	7,731
Martin	181	655	1,610	2,994	4,800	7,053
Miami-Dade	1,267	7,491	22,532	50,704	94,977	157,404
Monroe	403	1,395	2,339	3,321	4,350	5,016
Nassau	77	301	689	1,087	1,501	1,892
Okaloosa	203	966	2,453	4,628	7,251	10,173
Okeechobee	72	292	637	1,051	1,470	1,891
Orange	459	2,629	8,246	19,990	40,950	73,594
Osceola	155	716	2,116	4,620	8,793	15,305
Palm Beach	296	1,687	5,341	12,579	24,766	43,400
Pasco	119	387	915	1,652	2,644	3,782
Pinellas	431	2,637	8,823	20,789	40,201	68,350
Polk	156	723	1,786	3,172	5,032	7,299
Putnam	82	281	577	953	1,388	1,870
Santa Rosa	84	246	563	998	1,529	2,081
Sarasota	250	1,450	4,386	9,885	18,212	29,147
Seminole	217	1,098	3,353	7,808	15,673	28,426
St. Johns	176	500	1,105	2,088	3,382	4,865
St. Lucie	118	558	1,444	2,866	4,615	6,873
Sumter	61	234	549	1,081	1,727	2,421
Suwannee	58	237	462	690	892	1,114
Taylor	60	243	514	822	1,110	1,414
Union	41	133	189	245	298	356
Volusia	155	809	2,259	4,791	8,570	13,445
Wakulla	27	82	210	351	476	616
Walton	105	211	398	662	992	1,404
Washington	35	211	385	550	686	787

3 Data Sources and Methodology

The following sections provide a brief overview of the data sources and methodology used to prepare this report. For a detailed description, please consult the Accessibility Observatory's *Access Across America: 2017 Methodology* report.

3.1 Travel Times by Transit

Travel times by transit were calculated using General Transit Feed Specification (GTFS) data and Open-StreetMap road network data. GTFS data are included wherever feeds are made available by transit agencies, and the targeted service date for analysis was January 20th, 2017, to reflect non-holiday, normal weekday service schedules. A list of transit agencies statewide for which GTFS data were available and included in the computations is given below.

Transit Schedules Included

Agency	Dates
Bay Town Trolley	September 1, 2016 – January 2, 2018
Broward County Transit	January 15, 2017 – June 17, 2017
Central Florida Regional Transit Authority	January 10, 2017 – April 29, 2017
Collier Area Transit - CAT	January 31, 2015 – December 31, 2015
Emerald Coast Rider	July 1, 2015 – July 1, 2016
Escambia County Area Transit	August 1, 2015 – January 1, 2018
Florida Department of Transportation	December 21, 2015 – December 31, 2017
Hillsborough Area Regional Transit	December 4, 2016 – July 15, 2017
Jacksonville Transportation Authority	December 5, 2016 – April 2, 2017
Lakeland	July 3, 2015 – December 31, 2015
Lee County Transit	April 27, 2017 – November 16, 2017
Manatee County Area Transit	November 12, 2016 – April 15, 2018
Martin County Public Transit	May 1, 2013 – December 31, 2014
Miami-Dade Transit	November 20, 2016 – September 16, 2017
Orange Line Bus (Citrus County Transit)	January 1, 2015 – July 1, 2016
PSTA	June 5, 2016 – February 4, 2017
Palm Tran	January 8, 2017 – May 13, 2017
Pinellas Suncoast Transit Authority	October 9, 2016 – June 3, 2017
Polk County Transit Services	July 3, 2015 – December 31, 2015
Regional Transit System	May 2, 2016 – April 30, 2017
SFRTA/Tri-Rail	April 20, 2012 – December 31, 2024
Sarasota County Area Transit	April 16, 2016 – December 2, 2016
Space Coast Area Transit	July 12, 2014 – January 1, 2017
StarMetro	April 4, 2015 – May 1, 2015
SunTran (City of Ocala)	July 1, 2015 – July 1, 2017
Sunshine Bus Company	July 1, 2015 – July 1, 2017

The Hernando Express	January 1, 2015 – January 1, 2017
Treasure Coast Connector	May 18, 2015 – December 31, 2015
Votran	December 21, 2016 – December 31, 2017
Winter Haven Area Transit	July 3, 2015 – December 31, 2015

3.2   Geography

Census blocks are the fundamental unit for travel time and accessibility calculation, and block-level accessibility results are aggregated over larger areas for analysis. When calculating accessibility for an individual origin, all potential destinations within 37.3 miles (60km) are included, even if those destinations are located in a different state or other jurisdiction. Only locations within the United States are included. The MPO jurisdictions used for aggregate analysis are based on data provided in the US Department of Transportation's National Transportation Atlas Database 2016[1].

3.3   Population and Job Distribution

Data describing the distribution of labor and employment in the region are drawn from the U.S. Census Bureau's Longitudinal Employer-Household Dynamics program (LEHD)[2]. The LEHD Origin-Destination Employment Statistics (LODES) dataset, which is updated annually, provides Census block-level estimates of employee home and work locations. This analysis uses LODES data from 2014, the most recent available as of this writing.

3.4   Accessibility Calculation

The accessibility metrics presented in this analysis are *cumulative opportunity* metrics—they reflect the total amount of opportunities (in this case, jobs) reachable within given travel time thresholds from an origin location. To calculate these metrics, the travel time calculations described above are performed first to identify the travel time from one origin to all surrounding destinations. Next, the number of jobs at each destination is summed for all destinations that can be reached within a given travel time threshold, providing the accessibility value for a single origin at a single departure time.

This process provides accessibility values for individual Census blocks. To summarize this block-level data to larger areas such as MPOs and states, the accessibility values for the relevant blocks are weighted by the number of workers living in each block and then averaged. This person-weighted approach allows the summary metric to reflect the distribution of residents within the area. For example, a person-weighted accessibility value of 134,173 indicates that a typical resident within the area can reach 134,173 jobs.

In the case of accessibility by transit, local accessibility levels depend not just on the availability and routes of transit service but also on their frequency. A traveler using transit service that runs more frequently will have to spend less time waiting. In order to reflect transit frequency, transit accessibility values are calculated at each minute and then averaged to reflect typical accessibility levels during a time period of interest. The summary data in this analysis used the 7 – 9 AM time period. Because the road and highway system is available for departures at any time, accessibility by driving is calculated for individual departure times, such as 8 AM.

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[1] http://www.rita.dot.gov/bts/sites/rita.dot.gov.bts/files/publications/national_transportation_atlas_database/index.html

[2] http://lehd.ces.census.gov/data/

3.5 Comparisons With 2016 Data

This analysis uses the same tools, techniques and study scale as the *Access Across America: Transit 2015, 2016* reports. GTFS data are now sufficiently consistent to allow for year to year comparisons of transit accessibility. Additionally, this report implements the most recent U.S. Census LEHD dataset, LEHD 2015. The updated datasource, in combination with increased GTFS consistency, allows observation of significant land-use changes (namely, job growth and mixed-use densification in certain metropolitan areas) and their effects on the resulting accessibility of a region. Disentangling where transportation and land-use changes individually make an impact on accessibility requires a significant increase in accessibility computations. However, it is reasonable to suggest a majority of accessibility changes are due to evolving land use patterns, unless a substantial change has been made to the transportation network (e.g. route additions or extensive reconfiguration).