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# The Foundational Community Supports Program: Preliminary Evaluation Findings

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# Enrolled Clients: The Treatment Group

- **Individuals enrolled in an FCS program from January 2018 through September 2018** according to ProviderOne payment data and in supported employment or supportive housing as of their enrollment month,\*
- **18 years of age or older if enrolled in supportive housing OR 16 or older if in supported employed,**
- **Correctly linked** to their Automated Client Eligibility System (ACES) data,
- **Had a valid address/geographical location** at enrollment,
- **Received any form of medical assistance** in the six months prior to and following program entry, and
- **Were alive** as of the last month of the six-month follow-up period.

\*32 individuals enrolled in both services at enrollment were excluded from the analyses.

# Comparison Group Identification

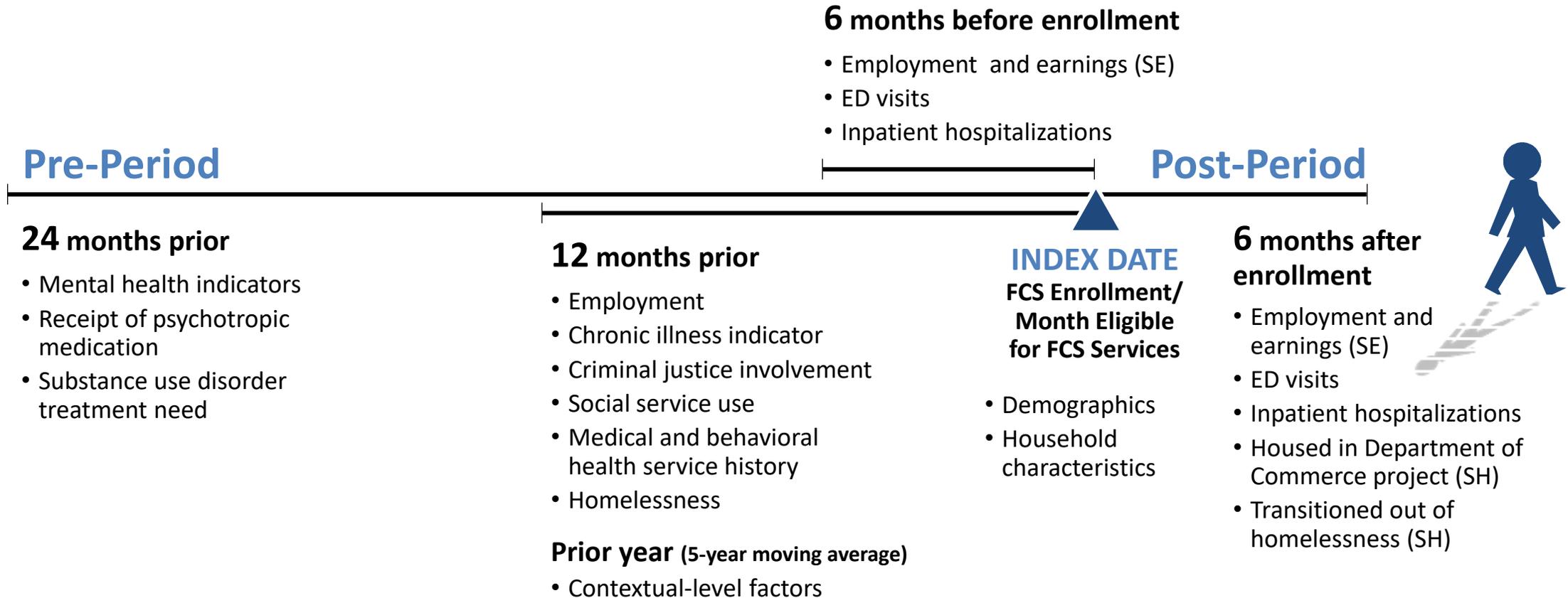
- **Received qualifying forms of medical assistance in a given month,**\*
- **Met age, needs-based, and risk-based program eligibility criteria** during the intake window,
- **Had not enrolled in FCS services as of September 2019,**
- **Correctly linked** to their Automated Client Eligibility System (ACES) data,
- **Had a valid address/geographical location** in a given month,
- **Received any form of medical assistance** in the six months prior to and following the month that they qualified for FCS services, and
- **Were alive** as of the last month of the six-month follow-up period.

\*The pool of potential controls may include multiple months where an individual qualified for but did not receive FCS services. Each month that an individual qualified for the program is treated as a separate observation for comparison group selection.

# Study Design and Matching Process

- 1. Analyses were stratified by delivery system affiliation and program type. Individuals were assigned to AL TSA population if they had a CARE assessment in the 15 months prior to and including their index month. Otherwise, they were assigned to HCA.**
- 2. Matched comparison group analysis.**
  - Propensity score matching using 2:1 matching ratio without replacement.
  - Exact matching on dual-eligibility for Medicare, additional third-party liability coverage, urbanicity of county/census tract, pre-period outcomes, and eligibility for other FCS programs.
  - Data were balanced across a wide range individual-level characteristics, services histories, pre-period outcomes, and contextual-level measures.
- 3. Resulting data analyzed using a difference-in-difference approach.**
  - Statistical adjustments made to account for repeated observations in the comparison group and remaining differences between the treatment and matched comparison groups.

# FCS Study Measures



# Study Limitations and Caveats

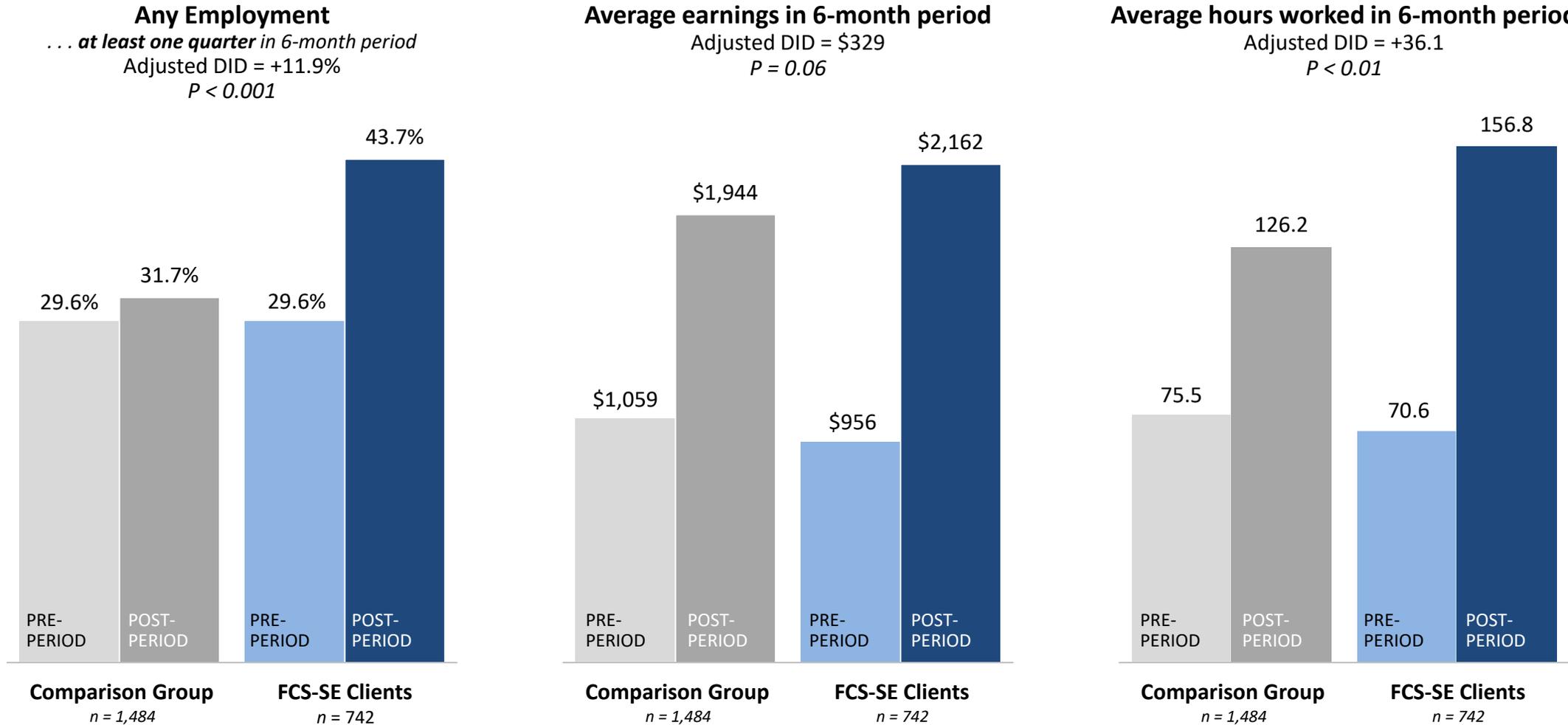
- 1. Programs were still maturing during the evaluation window.**
- 2. Treatment effects are based on an intent-to-treat analysis.** Estimated effects are for enrolled individuals regardless of actual service receipt.
- 3. Certain outcomes such as the timing of changes in housing status are more challenging to capture using administrative data.**
- 4. Due to data lags, these analyses use six-month pre-/post-enrollment measures to assess program effects;** we do not examine long-term outcomes.
- 5. The number of clients enrolled in FCS programs are relatively small,** making it difficult to perfectly balance treatment and control group characteristics.
- 6. Individuals who received FCS services may have selected into these services because of unobserved differences in health status, services needs, client motivation, etc. Matching methods may not fully mitigate selection bias.**

# Summary of Key Findings

- **Supported employment**
  - ✓ **Uniformly positive impacts on employment, earnings, and hours for both HCA and ALTSA populations**
  - ✓ **Magnitude of employment effects are relatively modest**
  - ✓ **No statistically significant impacts on ED or IP utilization**
- **Supportive housing**
  - ✓ **Significant or promising positive impacts on transitions out of homelessness for both HCA and ALTSA populations**
  - ✓ **Promising reductions in ED utilization and IP utilization for the “HCA” population**
  - ✓ **No positive impact on ED, IP, or nursing facility utilization for ALTSA clients**

# HCA Supported Employment Outcomes: Employment and Earnings

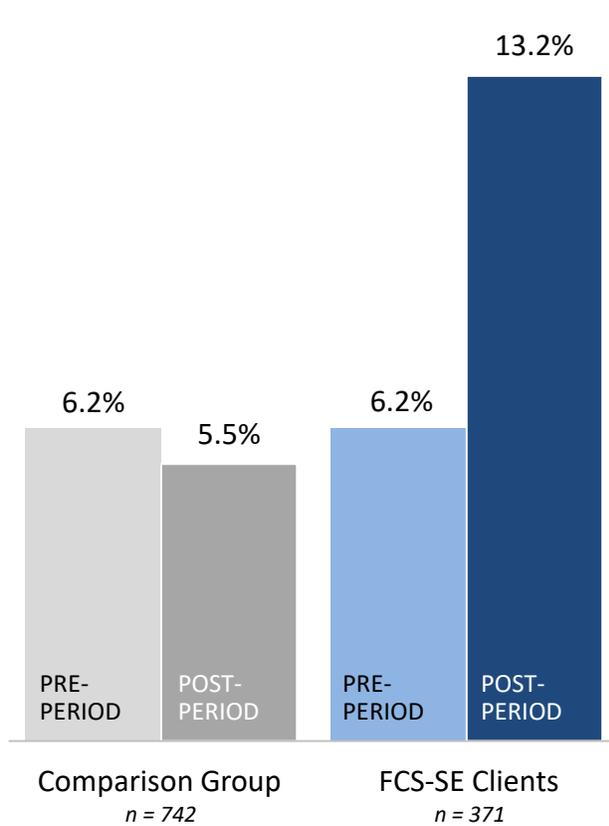
Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018



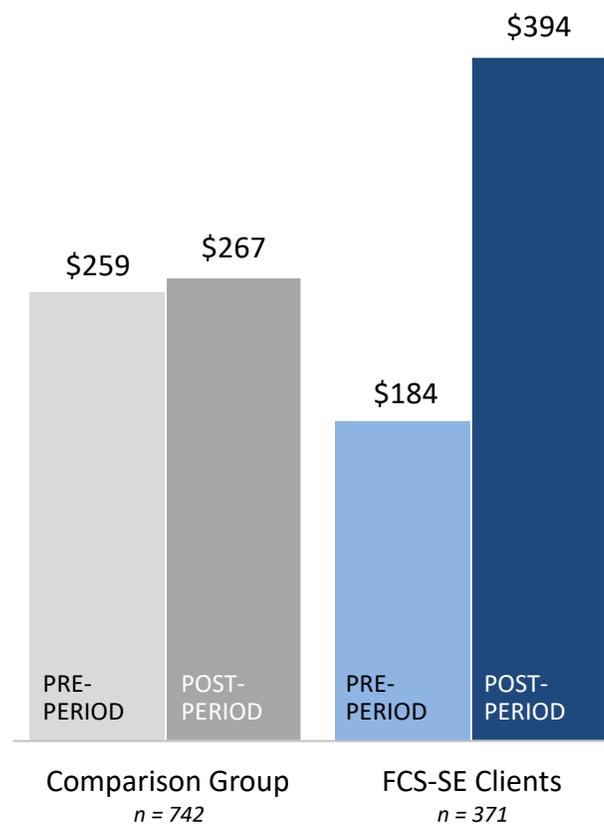
# AL TSA Supported Employment Outcomes: Employment and Earnings

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

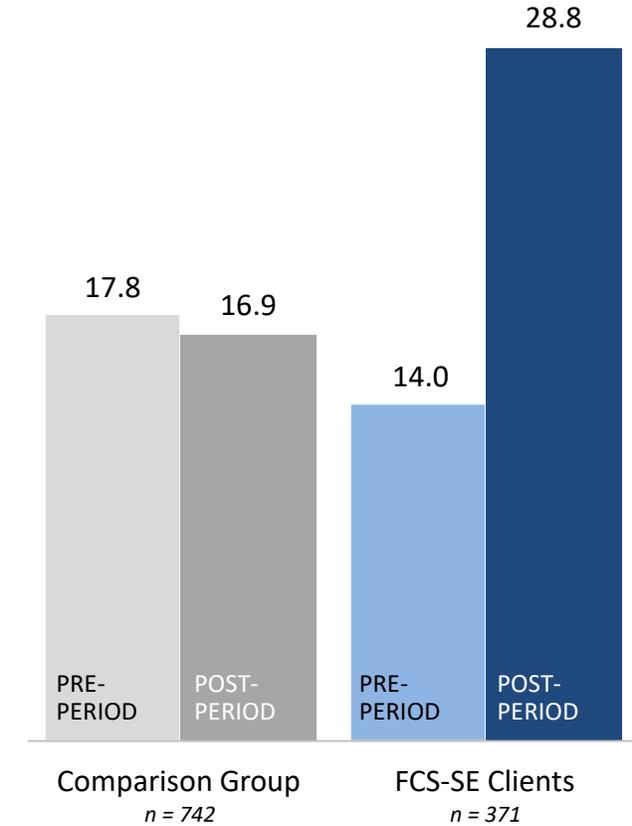
**Any Employment**  
*... at least one quarter in 6-month period*  
 Adjusted DID = +8.0%  
*P < 0.001*



**Average earnings in 6-month period**  
 Adjusted DID = +\$202  
*P = 0.02*



**Average hours worked in 6-month period**  
 Adjusted DID = +15.6  
*P = 0.01*

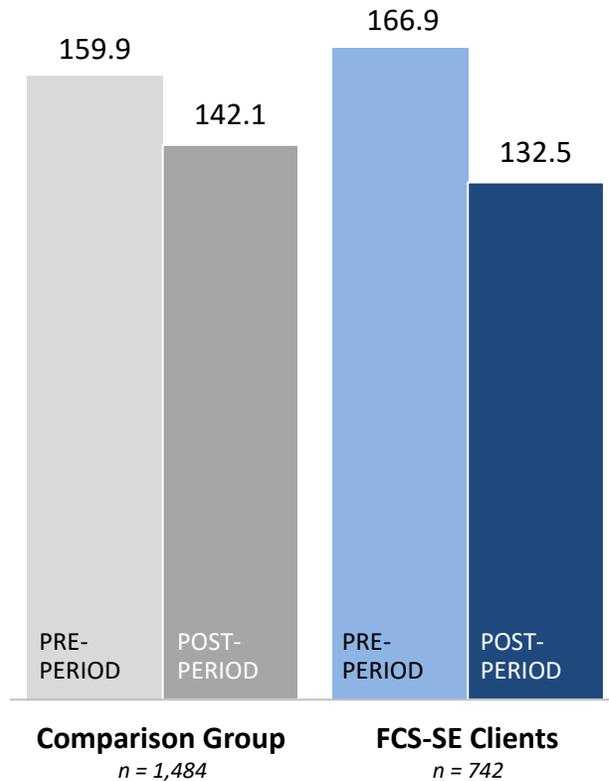


# HCA Supported Employment Outcomes: Healthcare Utilization per 1,000 Member Months

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

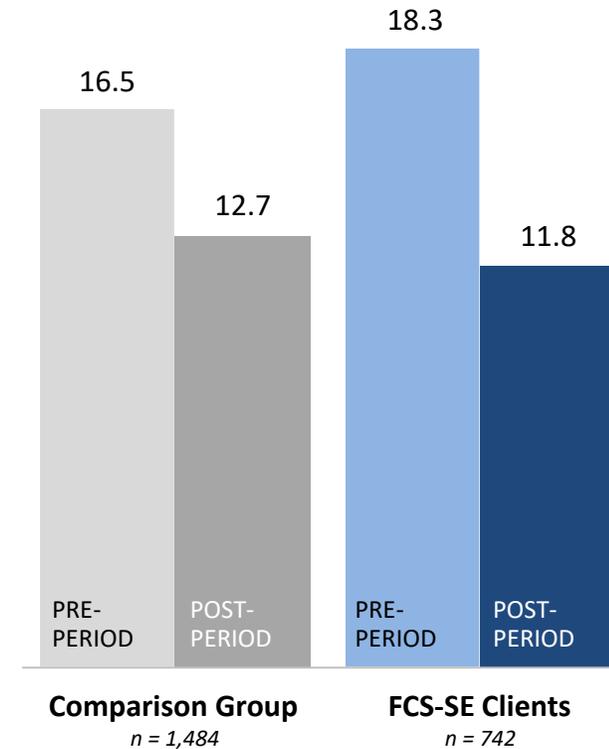
## Outpatient ED Visits, per 1000 Member Months

Adjusted DID = -15.1  
*P* = 0.26



## Inpatient Hospitalizations, per 1000 Member Months

Adjusted DID = -2.3  
*P* = 0.53



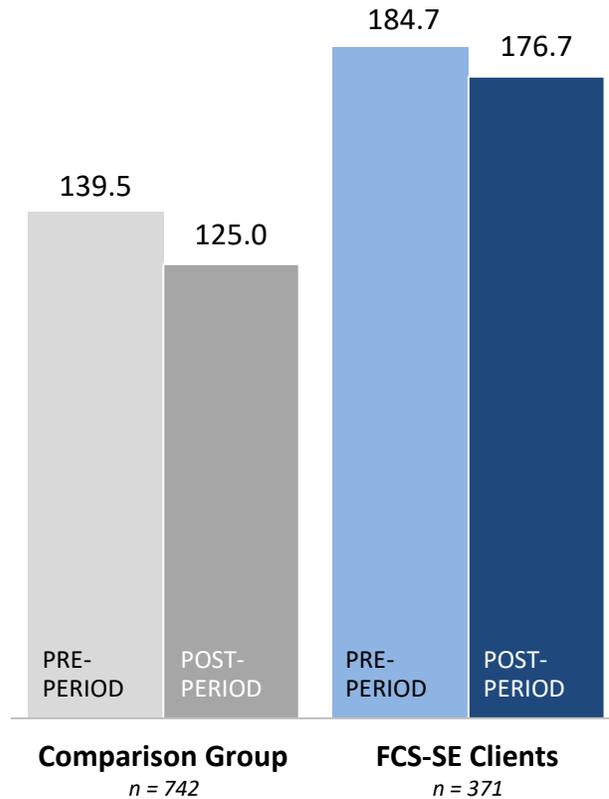
# ALTA Supported Employment Outcomes: Healthcare Utilization per 1,000 Member Months

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

## Outpatient ED Visits, per 1000 Member Months

Adjusted DID = +11.6

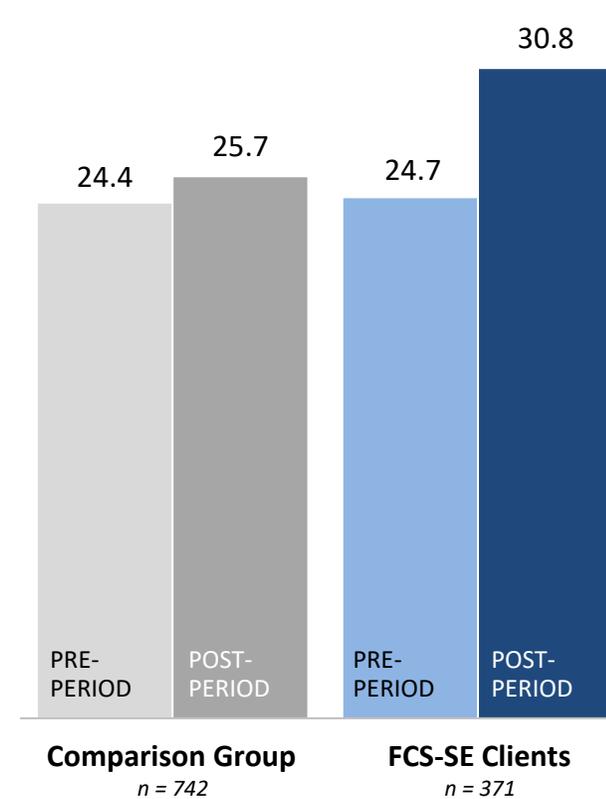
*P* = 0.66



## Inpatient Hospitalizations, per 1000 Member Months

Adjusted DID = +5.3

*P* = 0.42



# HCA Supportive Housing Outcomes: Housing Status

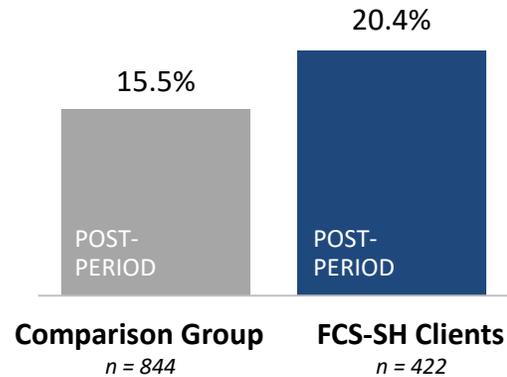
Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

## Transitioned Out of Homelessness and Did Not Return

... as of the last month of the 6-month period

Adjusted Difference = +3.7%

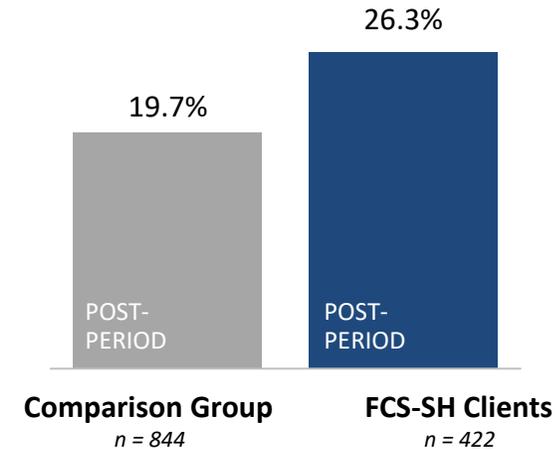
$P = 0.12$



## Housed in a Commerce-Funded Project

Adjusted Difference = +7.4%

$P < 0.01$



# ALSA Supportive Housing Outcomes: Housing Status

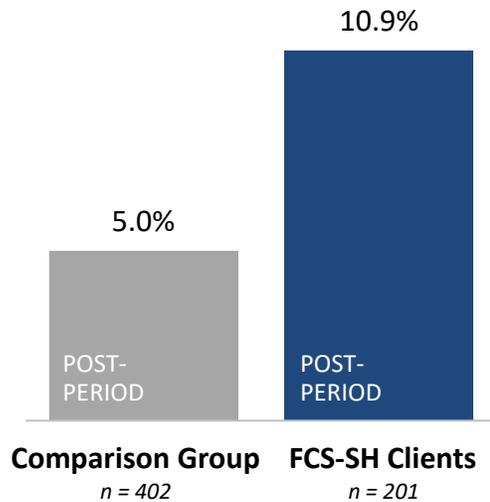
Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

## Transitioned Out of Homelessness and Did Not Return

... as of the last month of the 6-month period

Adjusted Difference = +4.3%

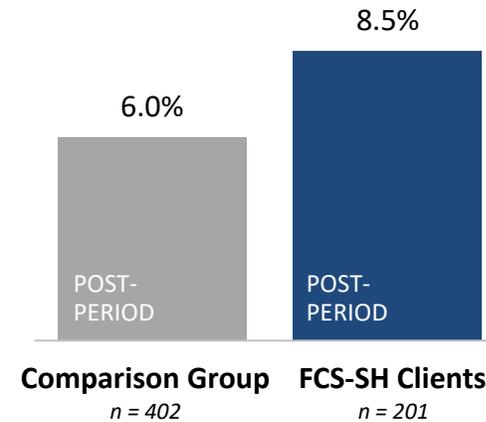
$P = 0.04$



## Housed in a Commerce-Funded Project

Adjusted Difference = -0.1%

$P = 0.96$

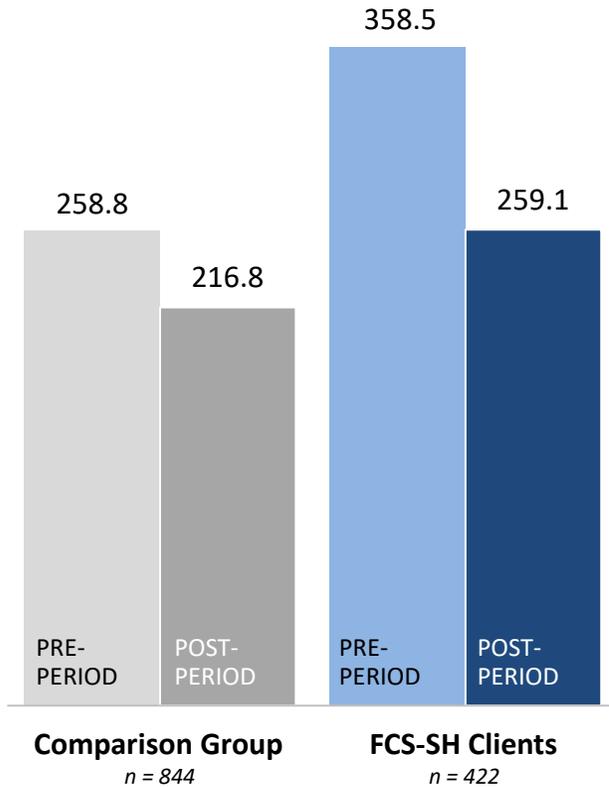


# HCA Supportive Housing Outcomes: Healthcare Utilization per 1,000 Member Months

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

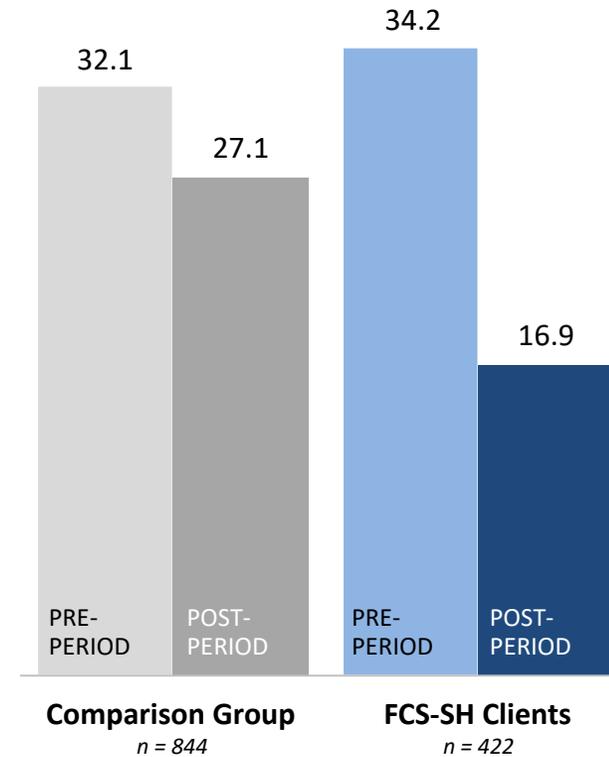
## Outpatient ED Visits, per 1000 Member Months

Adjusted DID = -45.9  
P = 0.14



## Inpatient Hospitalizations, per 1000 Member Months

Adjusted DID = -12.4  
P = 0.06



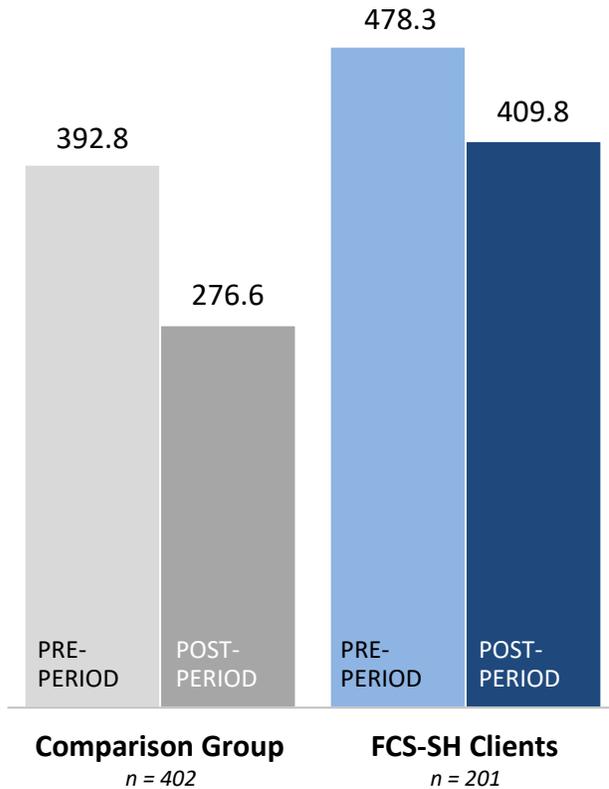
# ALSA Supportive Housing Outcomes: Healthcare Utilization per 1,000 Member Months

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

## Outpatient ED Visits, per 1000 Member Months

Adjusted DID = +71.8

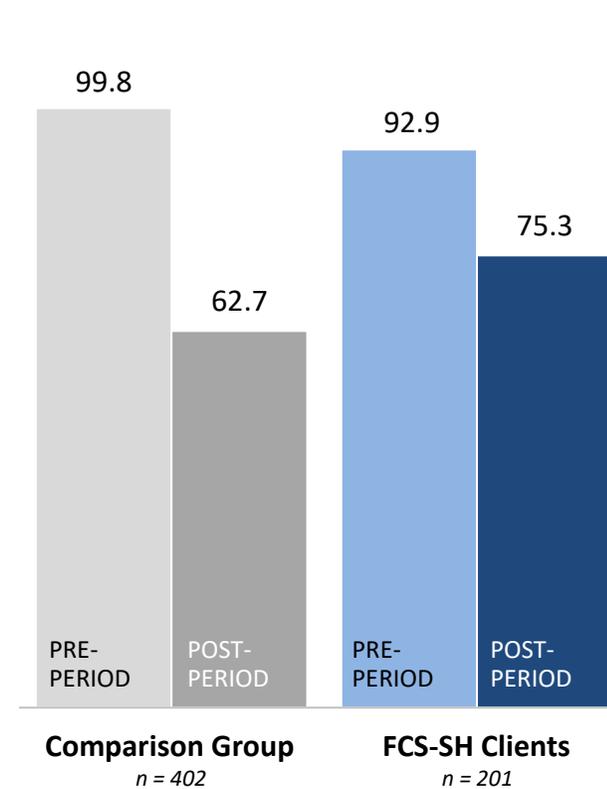
*P* = 0.18



## Inpatient Hospitalizations, per 1000 Member Months

Adjusted DID = +22.9

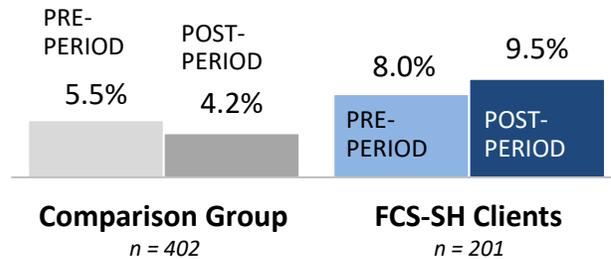
*P* = 0.18



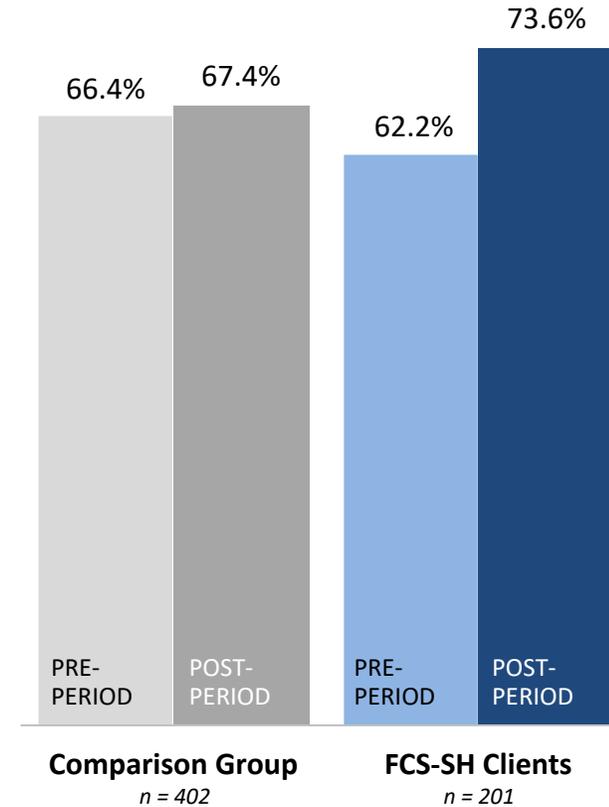
# AL TSA Supportive Housing Outcomes: Use of LTSS Services

Comparison of outcomes 6 months prior to and 6 months following enrollment month • Data is limited to individuals who entered the program as of September 30, 2018

**Nursing Facility**  
Adjusted DID = +2.8%  
P = 0.28



**Receiving In-Home Services**  
Adjusted DID = +9.6%  
P = 0.02



# Questions?

# TECHNICAL APPENDIX

## BALANCE ON SELECTED BASELINE MEASURES, 6 MONTHS PRIOR TO INDEX MONTH

	AL TSA-AFFILIATED CLIENTS						HCA-AFFILIATED CLIENTS					
	Supported Employment			Supportive Housing			Supported Employment			Supportive Housing		
	COMPARISON GROUP	TREATMENT GROUP	ASMD*	COMPARISON GROUP	TREATMENT GROUP	ASMD*	COMPARISON GROUP	TREATMENT GROUP	ASMD*	COMPARISON GROUP	TREATMENT GROUP	ASMD*
<b>Employment</b>	6.2%	6.2%	0.00	2.0%	2.0%	0.00	29.6%	29.6%	0.00	16.8%	16.8%	0.00
<b>Average Earnings</b>	\$259	\$184	0.08	\$128	\$68	0.09	\$1,059	\$956	0.04	\$630	\$498	0.08
<b>Average Hours Worked</b>	17.8	14.0	0.05	8.8	5.7	0.06	75.5	70.6	0.03	48.2	37.7	0.08
<b>Nursing Facility</b>	3.5%	3.8%	0.01	5.5%	8.0%	0.09	—	—	—	—	—	—
<b>In-Home Services</b>	58.4%	60.4%	0.04	66.4%	62.2%	0.09	—	—	—	—	—	—
<b>Average Member Months (MMs)</b>	5.9	5.9	0.01	5.8	5.8	0.00	5.7	5.7	0.00	5.8	5.8	0.01
<b>ED Outpatient Visits, per 1000 MMs</b>	139.5	184.7	0.08	392.8	478.3	0.10	159.9	166.9	0.02	258.8	358.5	0.14
<b>Inpatient Hospitalizations, per 1000 MMs</b>	24.4	24.7	0.00	99.8	92.9	0.04	16.5	18.3	0.02	32.1	34.2	0.02