

# THE WRAPAROUND FIDELITY ASSESSMENT SYSTEM: A History of National Means and Other Psychometrics

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## Introduction

The Wraparound Fidelity Assessment System (WFAS) is a multi-method approach to assessing adherence to Wraparound principles and overall quality of service.

This poster summarizes recent analyses of the WFI-4, WFI-EZ, and TOM national means, fidelity scores, and other psychometrics.

## Methods

### Measures

**WFI-4:** Interviews completed by caregivers (CG), facilitators (WF), youth (Y; age 11 or older), and team members (TM).

**TOM:** Employed by external evaluators who rate the presence or absence of indicators of adherence and quality during a Wraparound team meeting.

**WFI-EZ:** A brief, self-administered survey completed by CG, WF, Y, and TM that assesses fidelity across key elements, satisfaction, and outcomes.

## Procedure

Number of study sites and forms collected across three time periods (2006-2008, 2009-2011, 2012-2015)

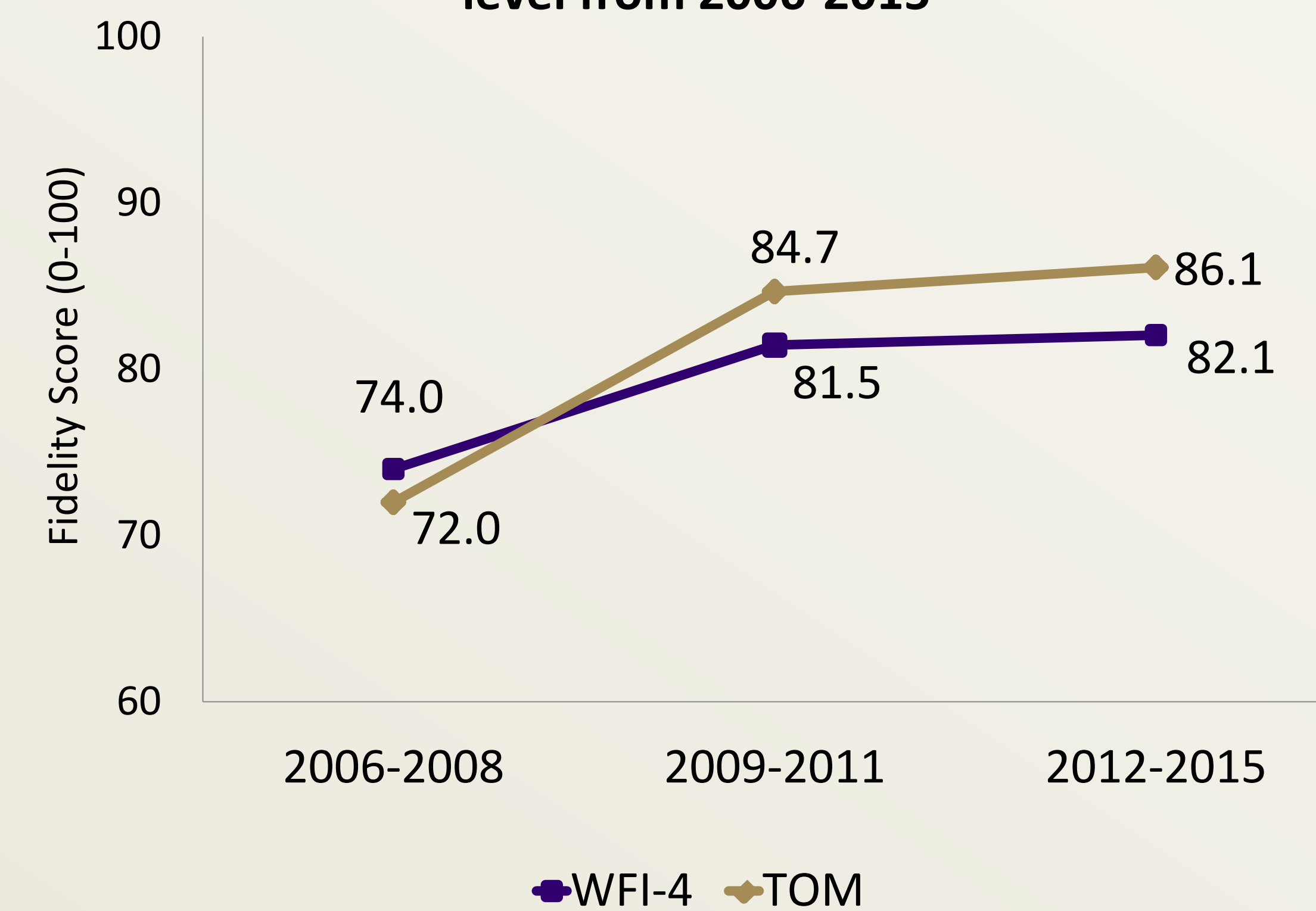
Form	2006-2008		2009-2011		2012-2015	
	N Forms	N Sites	N Forms	N Sites	N Forms	N Sites
WFI-4	597	16	13,519	32	26,152	46
TOM	207	7	1,898	11	5,237	20

Number of study sites and forms by respondent included in WFI-EZ analysis from 2012-2015

Form	Caregiver		Youth		Facilitator	
	N Forms	N Sites	N Forms	N Sites	N Forms	N Sites
WFI-EZ	2,404	28	1,276	20	2,738	25

## Results: WFI-4 & TOM

National means over time, aggregated at a site level from 2006-2015

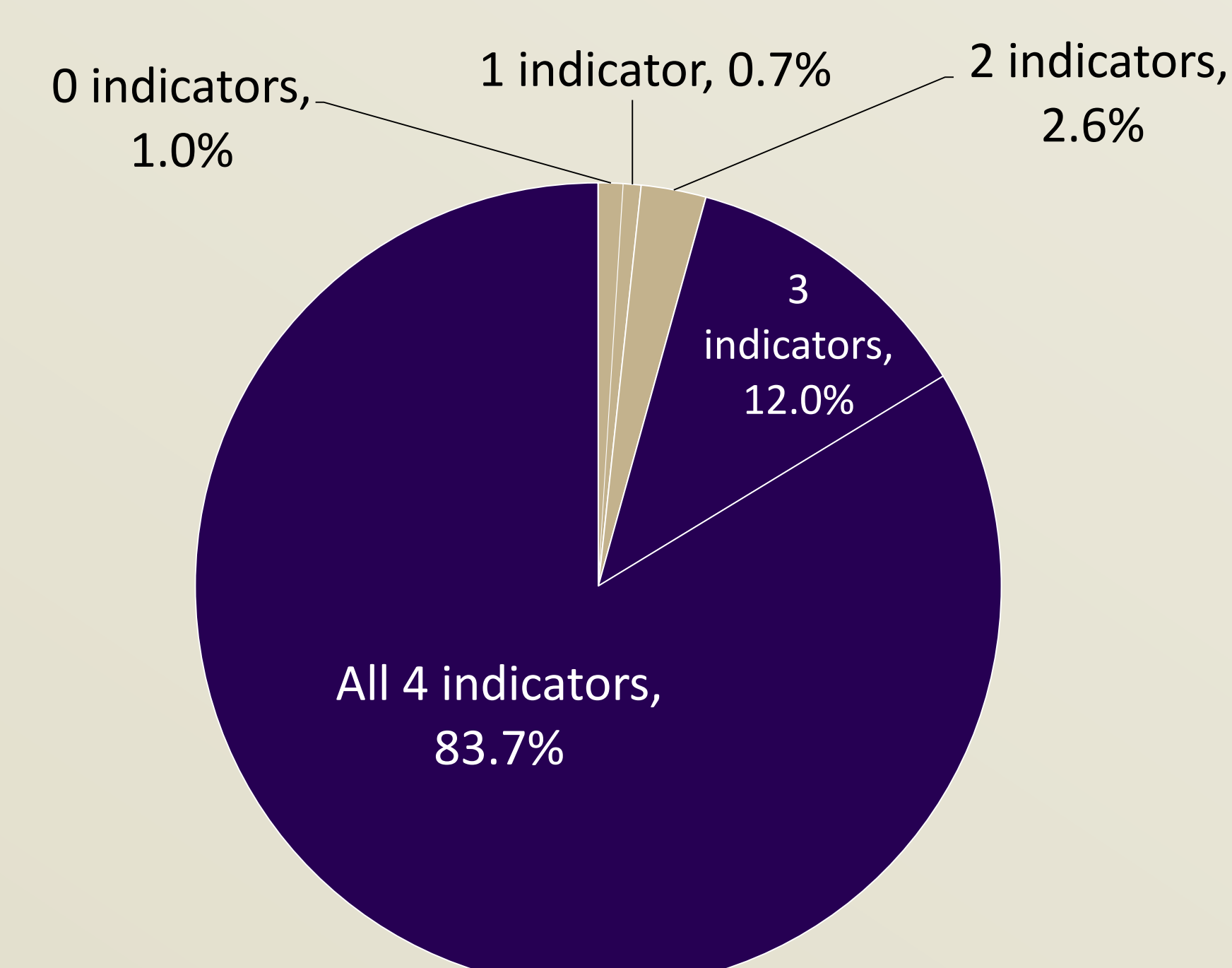


## Results: WFI-EZ

Most respondents report basic characteristics of Wraparound occurred during services

Section A Indicator	Caregiver (n=2,404)		Youth (n=1,276)		Facilitator (n=2,738)	
	N Yes	% Yes	N Yes	% Yes	N Yes	% Yes
Team formation	2,277	94.7	1,221	95.7	2,429	88.7
Plan of Care	2,286	95.1	1,173	91.9	2,654	96.9
Regular meetings	2,278	94.8	1,196	93.7	2,484	90.7
Family input	2,325	96.7	1,167	91.5	2,689	98.2

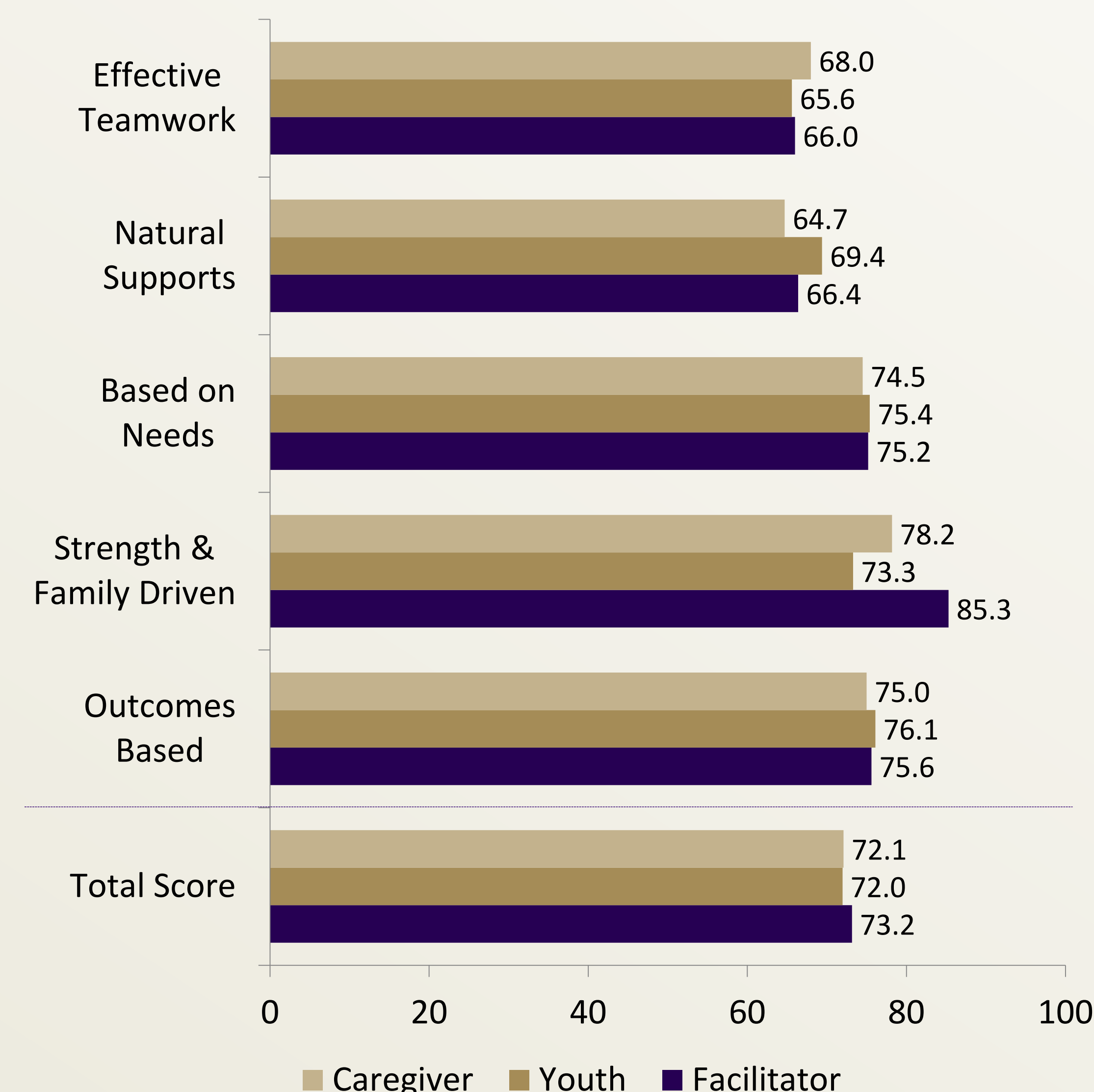
Percent of WFI-EZ forms with total number of "Yes" responses to Wraparound indicators for Section A



## WFI-EZ means are not significantly different between respondents

Facilitator responses do not appear to inflate scores, and collecting from one respondent is sufficient to get an accurate and satisfactory measure of fidelity.

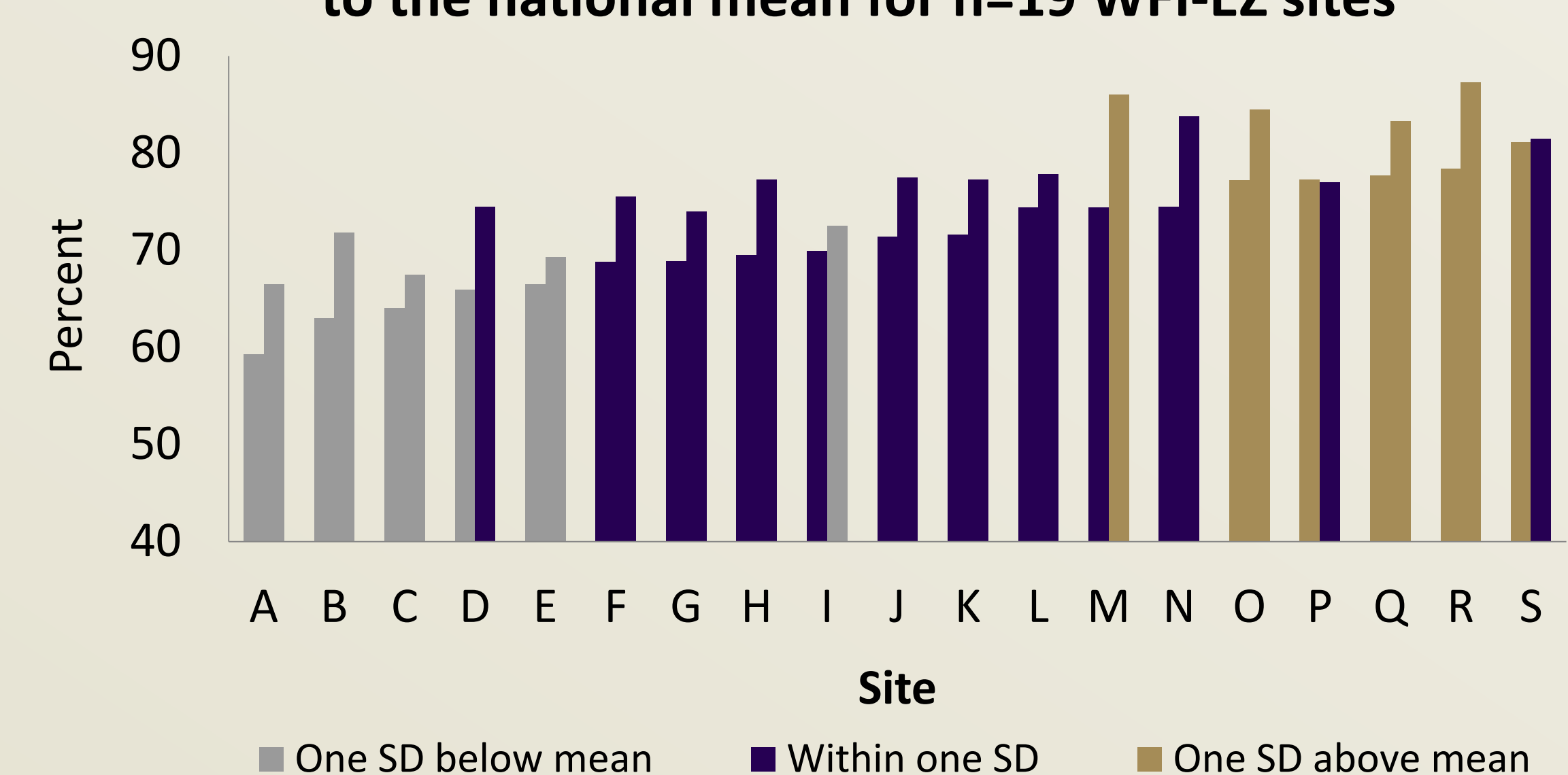
WFI-EZ National means and key element scores by respondent, aggregated at a site level from 2012-2015



## Satisfaction and fidelity are highly positively correlated

Sites with fidelity scores one standard deviation above the national mean were more likely to also have satisfaction scores one SD above the mean; the reverse was also true. (Pearson  $r = 0.819$ ,  $p < .01$ ).

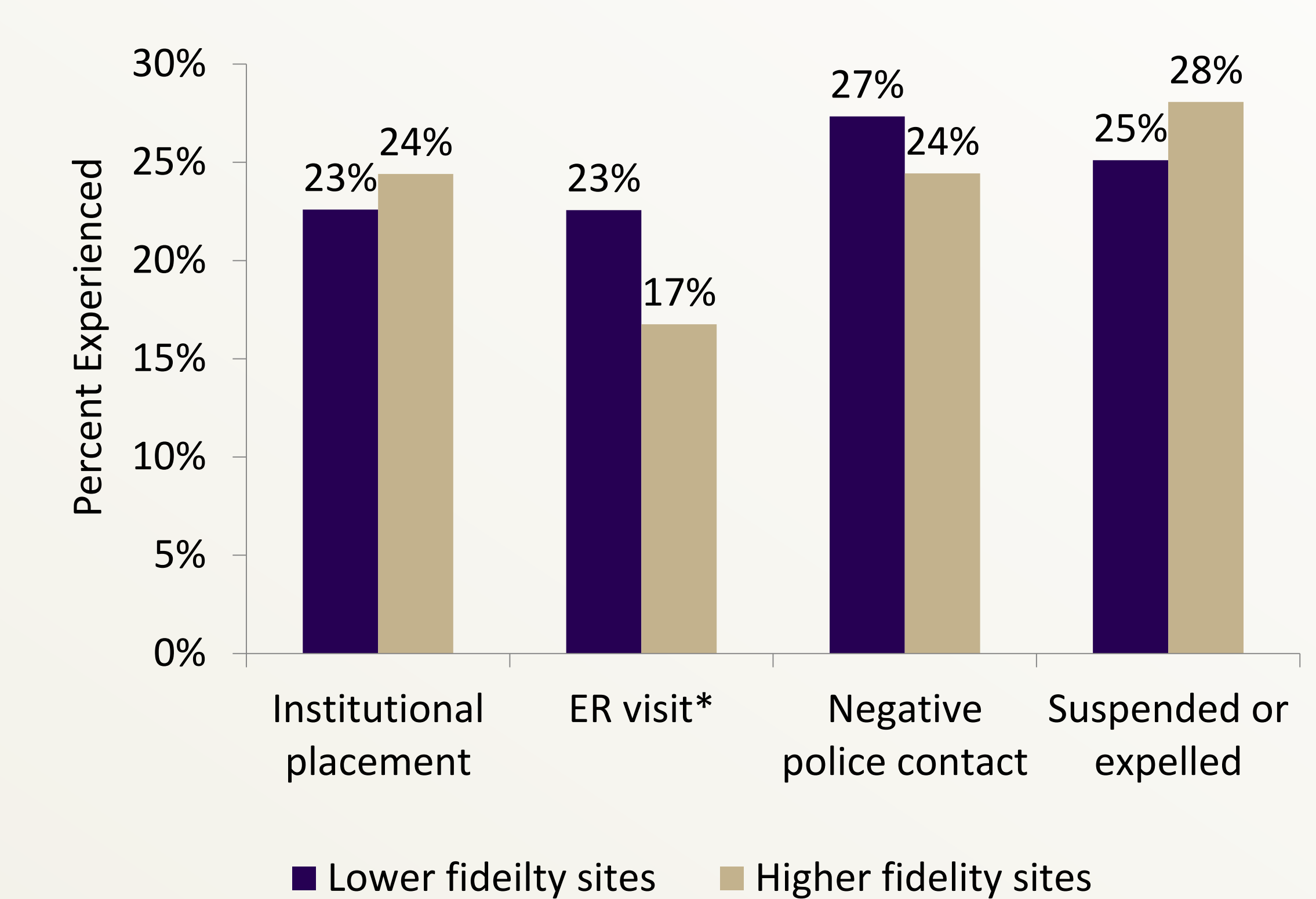
Fidelity (left) and satisfaction (right) compared to the national mean for n=19 WFI-EZ sites



## Higher fidelity scores are related to more positive outcomes

Youth receiving higher fidelity Wraparound experienced fewer ER visits ( $p < 0.1$ ), and had fewer negative contacts with police.

Youth outcomes since starting Wraparound by site-level fidelity



## Findings & Implications

- WFI-4 & TOM scores increased substantially over time; ceiling effects were detected in both tools.
  - TOM scores increased at a higher rate than the WFI-4, and overall means significantly increased from period 1 to 2 ( $p < .05$ ).
- Significant differences by respondent were not detected in WFI-EZ means.
  - The only notable difference is higher facilitator ratings for being Strength & Family Driven.
- Sites range widely on youth and caregiver reports of satisfaction, as assessed by the WFI-EZ.
- Satisfaction and fidelity are highly positively correlated ( $p < .01$ ).
- Youth ER visits due to mental health problems occurred more in sites with lower fidelity ( $p < 0.1$ ).
- Piloting of new TOM 2.0 measure has just concluded.
  - Similar to the WFI-EZ, we hope to find greater usability and increased sensitivity when compared to the original TOM.