

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)

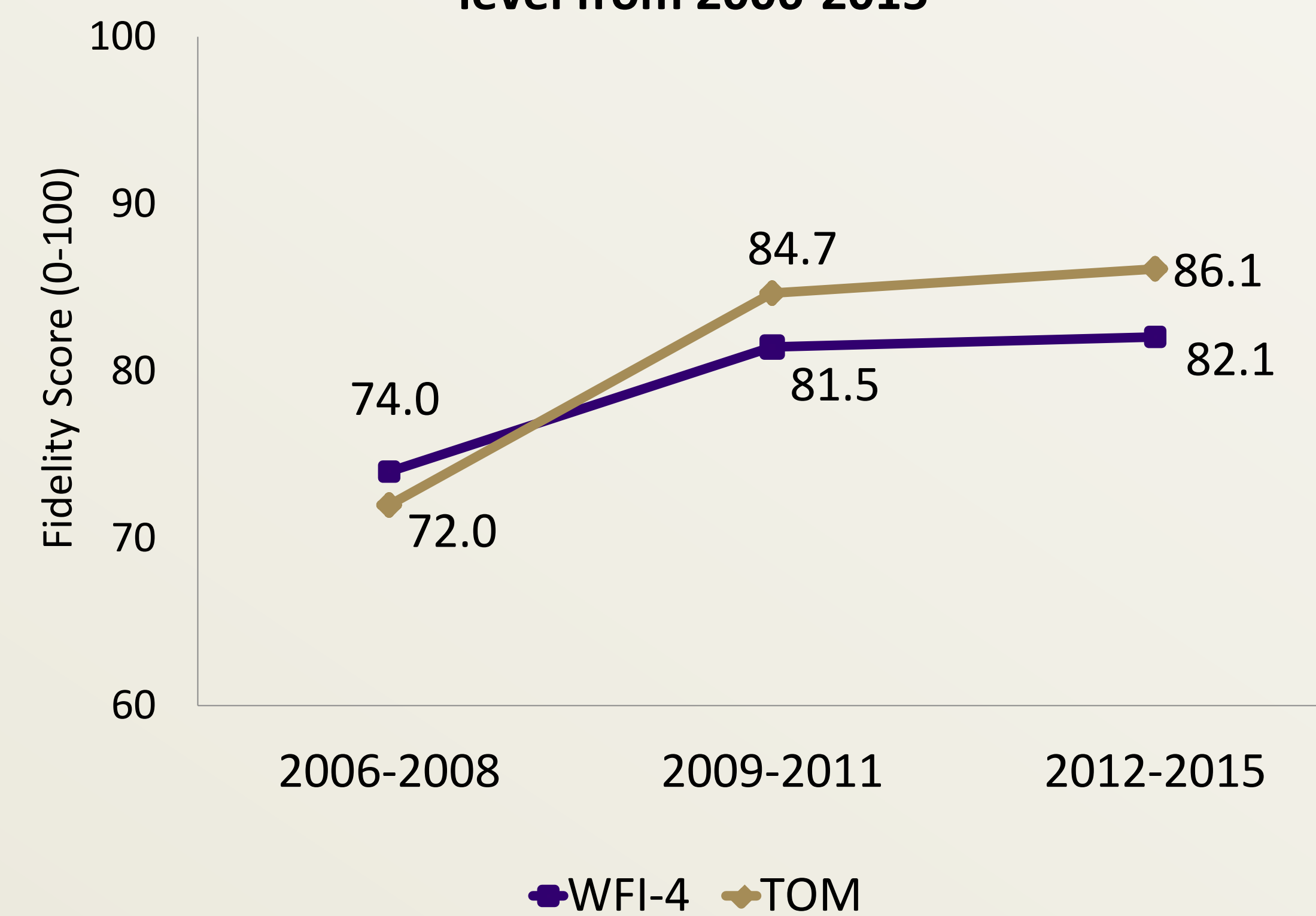
| Form | 2006-2008 | | 2009-2011 | | 2012-2015 | |
|-------|-----------|---------|-----------|---------|-----------|---------|
| | N Forms | N Sites | N Forms | N Sites | N Forms | N Sites |
| WFI-4 | 597 | 16 | 13,519 | 32 | 26,152 | 46 |
| TOM | 207 | 7 | 1,898 | 11 | 5,237 | 20 |

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

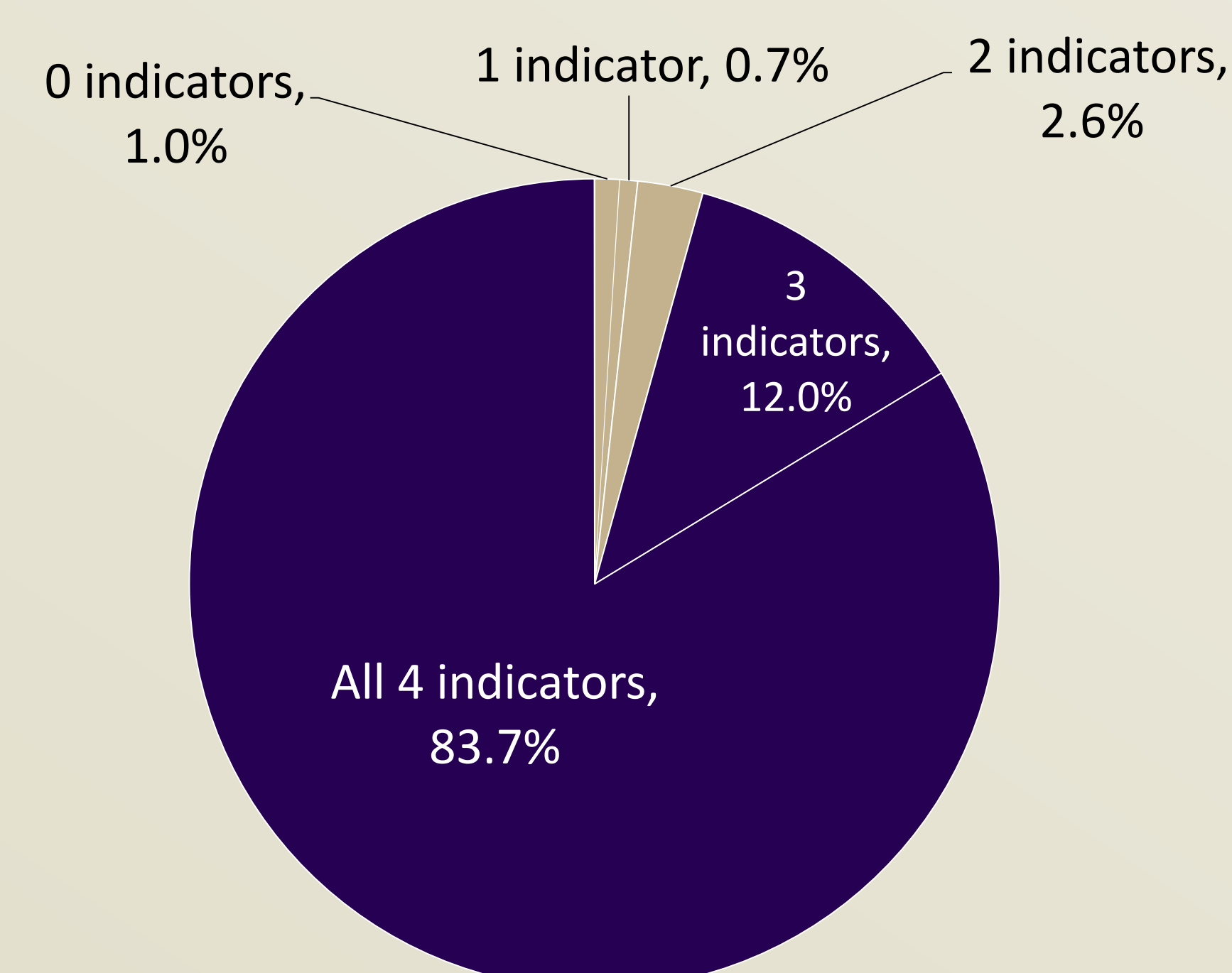


Results: WFI-EZ

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 |

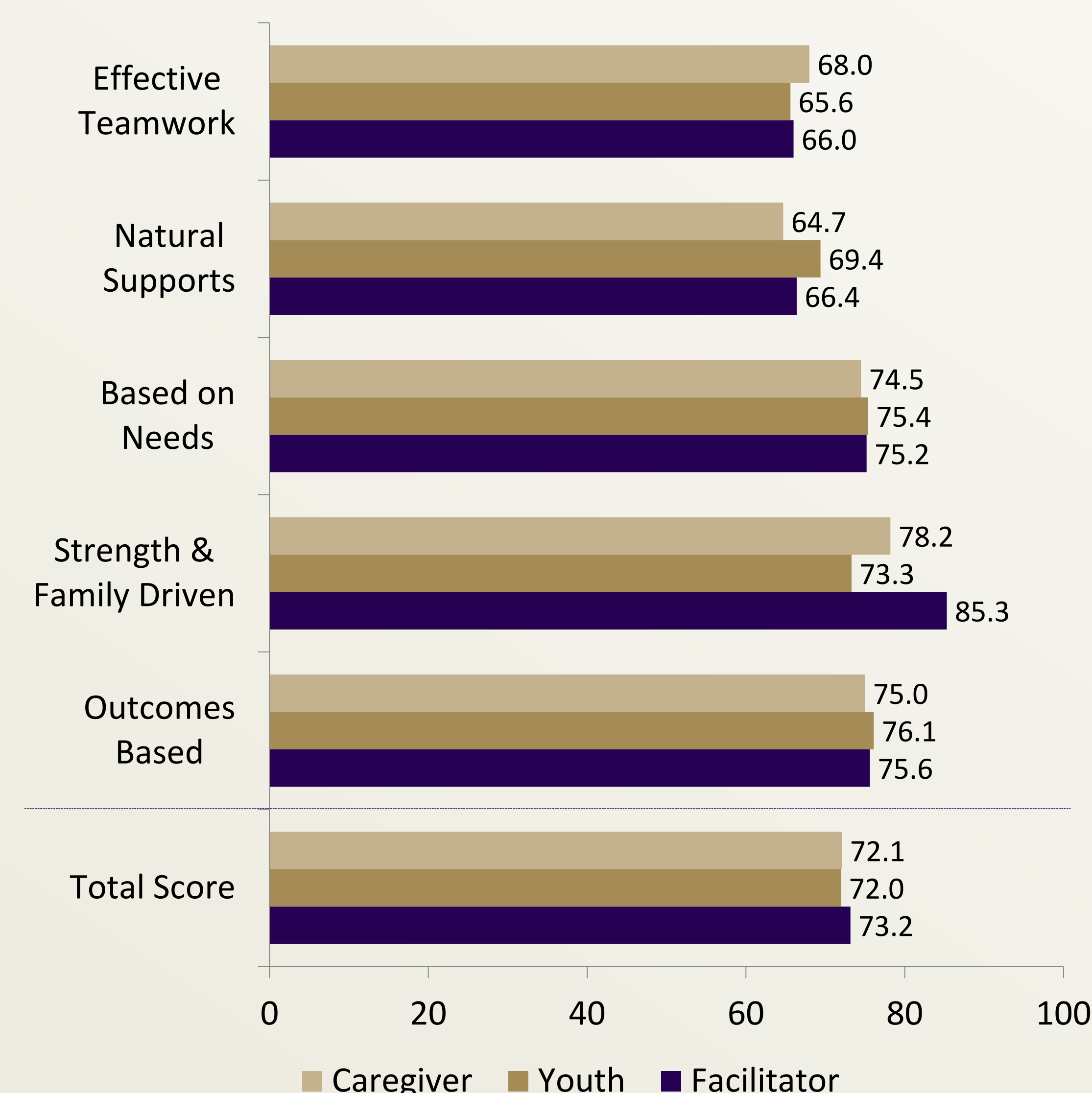
Percent of WFI-EZ forms with total number of "Yes" responses to Wraparound indicators for Section A



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.

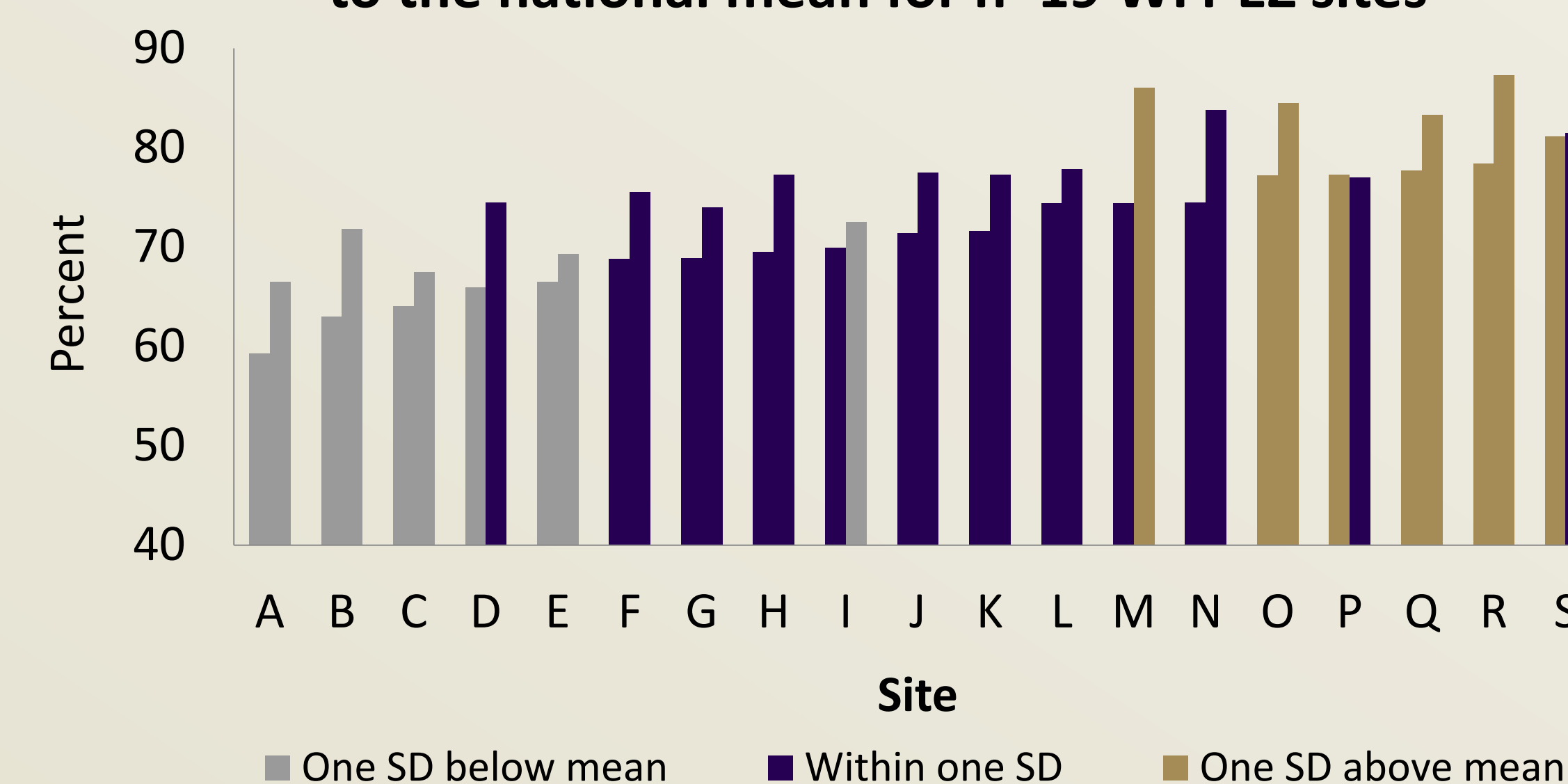
WFI-EZ National means and key element scores by respondent, aggregated at a site level from 2012-2015



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 $r = 0.819, p < .01$).

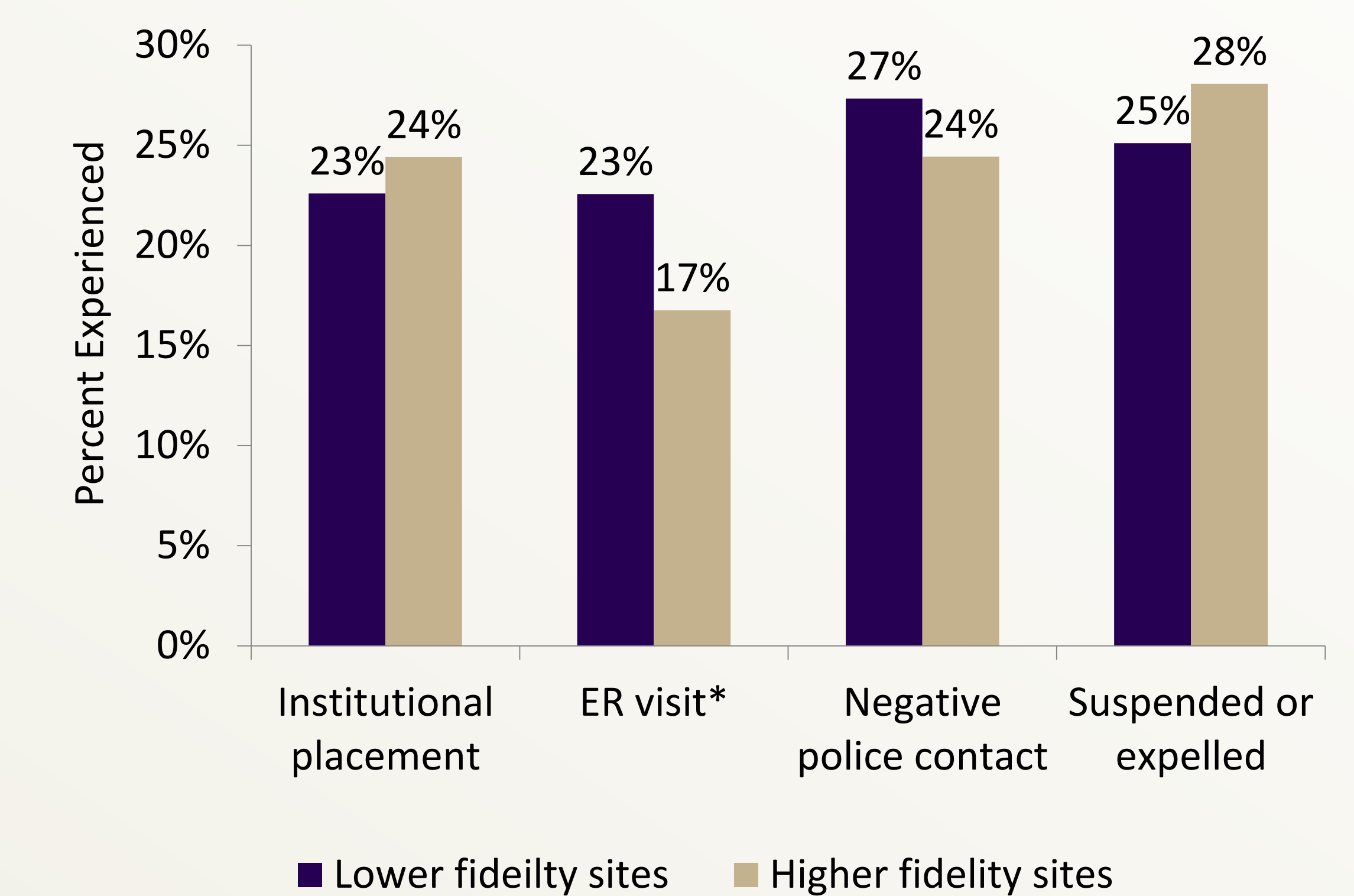
Fidelity (left) and satisfaction (right) compared to the national mean for n=19 WFI-EZ sites



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.