AHRQ Grant Final Progress Report

Title of Project:

RE designing Syst Ems to Improve Teamwork and Quality for Hospitalized Patients (RESET)

Principal Investigator

[illegible]

Team Members

[illegible]

Organization: [illegible]

Inclusive Dates of Project: [illegible]

Federal Project Officer: [illegible]

Acknowledgement of know

Structured Abstract

[illegible]

Purpose

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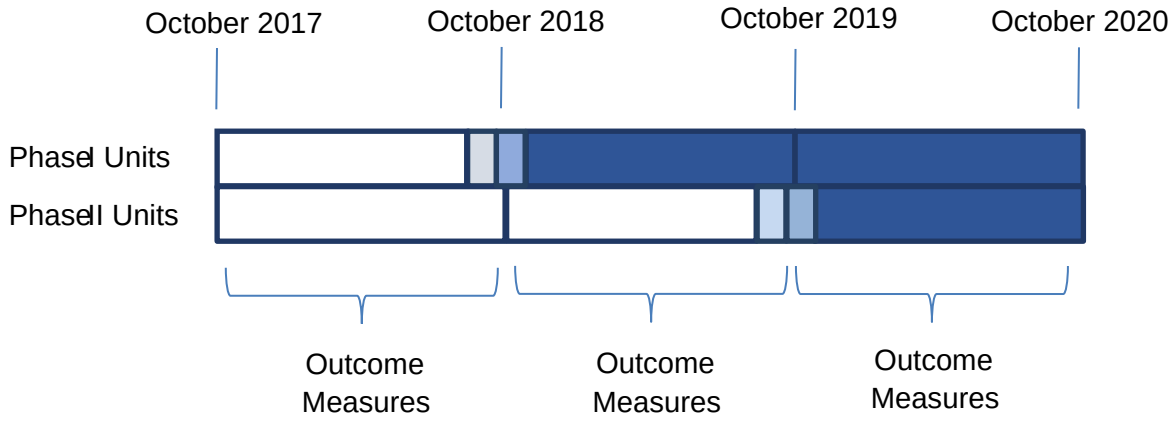
Scope

[illegible]

Methods

[illegible]

Figure 1. [illegible]



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Quantitative Data ± [illegible]

[illegible]

D G G U H V V D Q \ F K D O O H Q J H V Z L W K [illegible]

Qualitative Data – [illegible]

[illegible]

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Fidelity of Implementation Measures ± [illegible]

[illegible]

Teamwork Climate (primary outcome) ± [illegible]

[illegible]

[illegible]

Patient Experience (secondary outcome) ±W [illegible] [36] [illegible]

Teamwork Climate and Ratings of Collaboration ±W [illegible] W [illegible]
Y H U V X V [illegible]
W H V W V : H L Q F O X G H G D O O S U R I H V V L R Q D O V Z K R Z R U N H G R Q 3 K D V
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Difference-in-differences Analyses of Patient Outcomes ± [illegible]
Y H U V X V [illegible]

Analysis covaiiT(d8ateTw (as)Tjby)Tj 0.0he Tj Fvariates es r54.384 T2 0 Tw (simie ch3 <</MCID 3d by)troB1Tj

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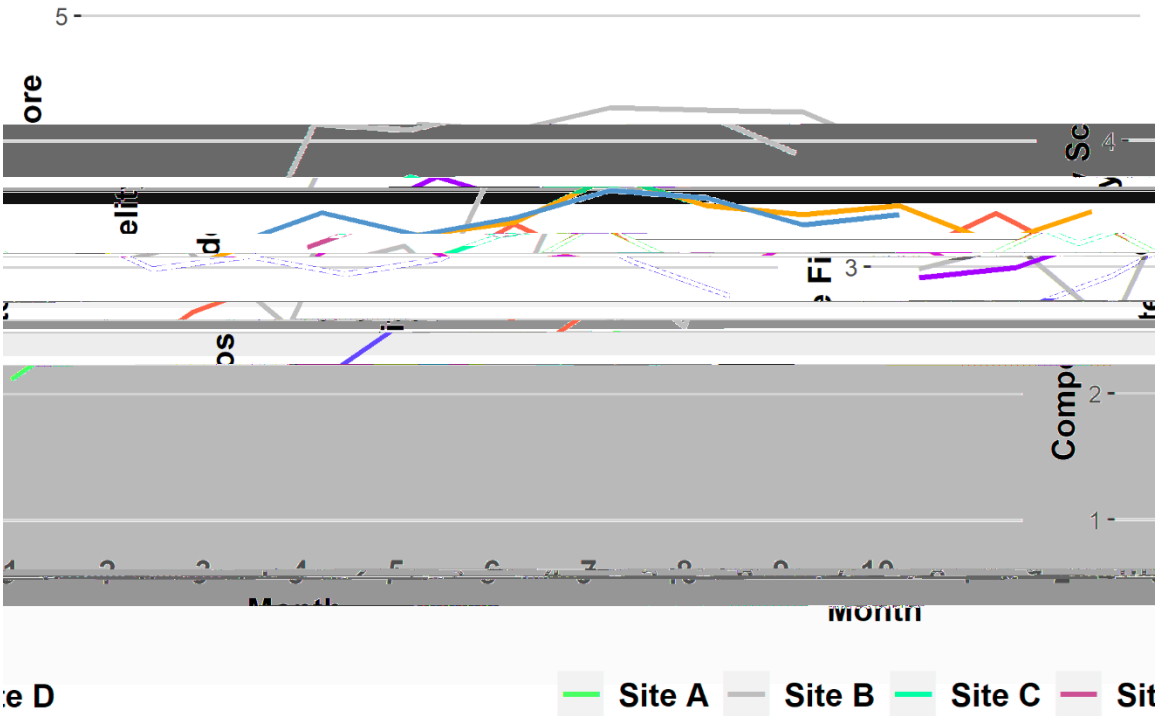
Figure 2. [illegible]



[illegible]

Teamwork Climate ± [illegible]

[illegible]

Table 2. [illegible]

Table 4. [illegible]

		Control unit			Intervention unit			DID in adjusted pre-post effects (95% CI), p value
Outcome	Model	Pre-intervention mean or % (95% CI) n=1,097	Post-intervention mean or % (95% CI) n=789	Pre-post effect difference in mean or % (95% CI)	Pre-intervention mean or % (95% CI) n=1,084	Post-intervention mean or % (95% CI) n=803	Pre-post effect difference in mean or % (95% CI)	
Adverse Events per 100 days, mean *	Unadjusted	0.52 (0.28, 0.76)	0.97 (0.57, 1.37)	0.45 (0.05, 0.86)	0.80 (0.49, 1.12)	0.84 (0.49, 1.19)	0.04 (-0.36, 0.43)	-0.42 (-0.98, 0.14), 0.15
	Adjusted	0.47 (0.13, 0.81)	0.93 (0.29, 1.58)	0.46 (-0.00, 0.93)	0.70 (0.23, 1.18)	0.69 (0.23, 1.29)	0.06 (-0.29, 0.41)	-0.40 (-0.97, 0.16), 0.1[illegible]
Presence of one or more AE, %†	Unadjusted	2.17 (1.22, 3.12)	3.78 (2.28, 5.28)	1.61 (0.01, 3.22)	3.29 (2.07, 4.51)	3.72 (2.24, 5.19)	0.43 (-1.25, 2.12)	-1.18 (-3.50, 1.13), 0.32
	Adjusted	1.23 (0.31, 2.14)	2.27 (0.63, 3.90)	1.04 (-0.12, 2.21)	1.93 (0.57, 3.30)	2.16 (0.59, 3.73)	0.22 (-0.81, 1.25)	-0.92 (-2.49, 0.6[illegible]), 0.25

* [illegible]

Table 5. D

effect

		Control unit			Intervention unit			DIDin adjusted pre-post effects (95% CI), p value
Outcome	Models	Pre-intervention mean or % (95% CI)	Post-intervention mean or % (95% CI)	Pre-post effect difference in mean or % (95% CI)				

ean o

Table 6. [illegible]

Outcome	OR (95% CI) or coefficient (95% CI) in 1-unit increase in fidelity score	
	Unadjusted Model	Adjusted Model
Presence of one or more adverse events*, n=1 U598	1.05 (0.64, 1.72)	1.06 (0.64, 1.76)
Length of stay (UCD 67 days) 1, n=1 U655	0.01 (-0.02, 0.03)	0.

Table7. Cross-case Analysis of Contextual Factors Associated with Implementation Success

		Factors			
	Fidelity of Implementatio v Trend	1. Senior leadership involvemen and organizational support	2. Alignment of RESET* with organization, hospital, and professional group priorities	3. Site leaders' engagement in RESET and relationship with one another	4. Perceptions of need and intervention benefits among professionals
Site					
Site A	Lowto moderate initial fidelity with minimal improvement over time	The Chief Medical Officer was			

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