

Supplemental Digital Appendix 2

Comparison of Mean Hospital Length of Stay, Intensive Care Unit (ICU) Transfer Rate, In-Hospital Mortality Rate, and 30-Day Readmission Rate Between Intervention and Control Medical and Surgical Services During Baseline and Intervention Periods, Vanderbilt University Medical Center, January 2013-December 2014^a

Group ^b	Baseline period	Intervention period	Absolute change ^c	Mean difference ^d (95% CI)
Hospital length of stay, days				
Medical housestaff services				
<i>Intervention</i>	5.73	5.67	-0.06	-0.17
<i>Control</i>	4.75	4.85	0.10	(-0.68–0.35)
Hospitalist services				
<i>Intervention</i>	5.01	4.83	-0.18	0.53
<i>Control (geriatrics)</i>	6.85	6.15	-0.70	(-0.34–1.40)
Surgical housestaff services				
<i>Intervention</i>	5.20	5.71	0.51	0.11
<i>Control</i>	5.18	5.58	0.40	(-0.77–1.00)
ICU transfer rate				
Medical housestaff services				
<i>Intervention</i>	1.54%	1.90%	0.36%	-0.21%
<i>Control</i>	0.72%	1.30%	0.58%	(-1.15%–0.72%)
Hospitalist services				
<i>Intervention</i>	0.71%	0.68%	-0.03%	-0.20
<i>Control (geriatrics)</i>	0.68%	0.85%	0.17%	(-0.92%–0.51%)
Surgical housestaff services				
<i>Intervention</i>	1.38%	1.30%	-0.08%	1.64%
<i>Control</i>	4.41%	2.68%	-1.73%	(-0.09%–3.37%)

Appendix continues

Supplemental Digital Appendix 2, *continued*

Group^b	Baseline period	Intervention period	Absolute change^c	Mean difference^d (95% CI)
In-hospital mortality rate				
Medical housestaff services				
<i>Intervention</i>	0.16%	0.29%	0.13%	0.21%
<i>Control</i>	0.30%	0.22%	-0.08%	(-0.19%–0.61%)
Hospitalist services				
<i>Intervention</i>	0.08%	0.00%	-0.08%	0.05%
<i>Control (geriatrics)</i>	0.46%	0.34%	-0.12%	(-0.5%–0.54%)
Surgical housestaff services				
<i>Intervention</i>	2.52%	2.10%	-0.42%	-0.47%
<i>Control</i>	1.35%	1.40%	0.05%	(-1.78%–0.84%)
30-day readmission rate				
Medical housestaff services				
<i>Intervention</i>	17.33%	16.33%	-1.00%	-0.38%
<i>Control</i>	14.73%	14.11%	-0.62%	(-4.72%–3.97%)
Hospitalist services				
<i>Intervention</i>	16.78%	19.00%	2.22%	-2.06%
<i>Control (geriatrics)</i>	11.22%	15.50%	4.28%	(-7.87%–3.76%)
Surgical housestaff services				
<i>Intervention</i>	9.25%	10.25%	1.00%	2.90%
<i>Control</i>	12.15%	10.25%	-1.90%	(-1.24%–7.04%)

^aData for these outcomes were only available for the period January 2013–December 2014.

^bSee descriptions of intervention and control services and their baseline and intervention periods in Table 1.

^cAbsolute change refers to within-group comparison of baseline and intervention periods.

^dMean difference refers to between-group comparison of intervention vs. control groups.