

SUPPLEMENTARY DOCUMENT

N = 1,707

	Small Hospitals N = 426	25-50 th Quartile N = 427	50-75 th Quartile N = 427	Large Hospitals N = 427
<i>Hospital Ownership (%)</i>				
Non-profit	54.0	53.9	69.5	71.9
For-profit	21.6	23.2	18.8	11.3
Government	24.4	22.9	11.7	16.8
<i>Hospital Type (%)</i>				
Acute Care Hospitals	22.5	87.8	100.0	99.1
Critical Access Hospitals	77.5	12.2	0.0	0.9
<i>Emergency Services Offered (%)</i>				
Yes	89.0	88.5	95.3	97.7
No	11.0	11.5	4.7	2.3

Supplemental Table 1: General hospital information based on hospital size separated into quartiles by hospital staffed bed number.

<i>Control Variable</i>	<i>HCAHPS Variable</i>	<i>Correlation</i>	<i>p-value</i>
None	Staff responsiveness	0.600	<.001
	Nurse communication	0.552	<.001
	Overall hospital rating	0.547	<.001
	Care transition	0.534	<.001
	Discharge information	0.526	<.001
	Communication about medicine	0.487	<.001
	Likelihood to recommend hospital	0.486	<.001
	Doctor communication	0.475	<.001
	Hospital cleanliness	0.465	<.001
	Hospital quietness	0.422	<.001
Staffed Bed Number	Staff responsiveness	0.522	<.001
	Overall hospital rating	0.504	<.001
	Likelihood to recommend hospital	0.490	<.001
	Care transition	0.489	<.001
	Nurse communication	0.486	<.001
	Discharge information	0.473	<.001
	Communication about medicine	0.403	<.001
	Doctor communication	0.394	<.001
	Hospital cleanliness	0.358	<.001
	Hospital quietness	0.333	<.001

Supplemental Table 2: Pearson correlation between HCAHPS variables and survey response rate, controlling for hospital staffed bed number.

Pearson Correlation Small Hospitals			Pearson Correlation Large Hospitals		
<i>HCAHPS Variable</i>	<i>Correlation</i>	<i>p-value</i>	<i>HCAHPS Variable</i>	<i>Correlation</i>	<i>p-value</i>
Care transition	0.479	<.001	Discharge information	0.506	<.001
Likelihood to recommend hospital	0.440	<.001	Staff responsiveness	0.447	<.001
Staff responsiveness	0.434	<.001	Nurse communication	0.411	<.001
Overall hospital rating	0.432	<.001	Likelihood to recommend hospital	0.380	<.001
Hospital quietness	0.381	<.001	Overall hospital rating	0.379	<.001
Nurse communication	0.353	<.001	Care transition	0.321	<.001
Communication about medicine	0.317	<.001	Communication about medicine	0.299	<.001
Discharge information	0.302	<.001	Doctor communication	0.254	<.001
Doctor communication	0.265	<.001	Hospital cleanliness	0.235	<.001
Hospital cleanliness	0.214	<.001	Hospital quietness	0.020	0.683

Supplemental Table 3: Pearson correlations between HCAHPS variables and survey response rate in small and large hospitals defined by hospital staffed bed number.

<i>HCAHPS Variable</i>	Univariable Models Small Hospitals		Univariable Models Large Hospitals		Difference Between Regression Models?	
	<i>Slope</i>	<i>95% CI</i>	<i>Slope</i>	<i>95% CI</i>	<i>Effect Size (t)</i>	<i>p</i>
Hospital Quietness	.305	.217 - .394	-.005	-.117 - .107	4.121	< .001
Discharge Information	.126	.091 - .160	.216	.178 - .254	-3.255	<.001
Nurse Communication	.159	.112 - .206	.230	.180 - .279	-1.874	0.061
Care Transition	.306	.240 - .372	.239	.175 - .302	1.324	0.186
Overall Hospital Rating	.316	.244 - .387	.368	.283 - .454	-0.885	0.377
Likelihood to Recommend Hospital	.360	.277 - .443	.418	.324 - .512	-0.859	0.391
Staff Responsiveness	.321	.253 - .390	.366	.298 - .434	-0.838	0.402
Hospital Cleanliness	.148	.084 - .221	.166	.093 - .240	-0.363	0.717
Doctor Communication	.116	.065 - .167	.126	.083 - .170	-0.271	0.786
Communication About Medicine	.321	.253 - .390	.173	.121 - .224	-0.197	0.844

Supplemental Table 4: Linear regression model associations between HCAHPS measures and survey response rate stratified by total annual discharges. Small hospitals represent hospitals in the lowest quartile of total annual discharges. Large hospitals represent hospitals in the highest quartile of total annual discharges. The difference between the slopes of the regression models in large and small hospitals is reported. P values less than .05 is considered statistically significant and are emboldened.