

Table S1. Full Random Effects Regression Models

Teamwork	(1)	(2)	(3)	(4)
Reinforcement	3.122*** (1.130)			4.952*** (1.375)
Clustering Coefficient		1.688*** (0.580)		
Network Density			-0.579 (2.176)	-6.996** (3.012)
Reinforcement*Density				33.02 (23.92)
Patients in Hospital Network	0.00298 (0.00242)	-0.00167 (0.00242)	0.000484 (0.00249)	0.00125 (0.00253)
Physicians in Hospital Network	-0.00224* (0.00129)	-0.000875 (0.00127)	-0.00140 (0.00126)	-0.00286** (0.00132)
Medium (Ref: Large)	-0.243 (0.175)	-0.0541 (0.162)	-0.0480 (0.167)	-0.279 (0.179)
Major Teaching (Ref: No teaching)	0.0825 (0.199)	-0.129 (0.218)	0.134 (0.199)	0.126 (0.204)
Minor Teaching	0.144 (0.230)	0.368 (0.248)	0.102 (0.235)	0.232 (0.240)
Closed Cardiac ICU	-0.203 (0.363)	-0.0325 (0.382)	-0.473 (0.351)	0.00173 (0.374)
System Membership	0.279 (0.238)	0.146 (0.235)	0.180 (0.236)	0.397 (0.246)
Network Membership	0.235** (0.114)	0.172 (0.107)	0.0921 (0.122)	0.186 (0.126)
Urban (Ref: Rural)	1.244* (0.709)	1.082 (0.690)	0.586 (0.677)	1.294* (0.709)
2010 (Ref: 2008)	-0.201** (0.0985)	-0.216** (0.0995)	-0.132 (0.0956)	-0.266*** (0.103)
2011	-0.154 (0.105)	-0.110 (0.102)	-0.0797 (0.105)	-0.179 (0.112)
Nurses per inpatient day	78.77 (62.00)	78.90 (61.94)	52.54 (65.62)	57.78 (66.72)
Percent of inpatient days from Medicaid	-2.643 (1.986)	-2.593 (1.986)	-3.419* (1.975)	-2.269 (1.989)
Percent of inpatient days from Medicare	-0.309 (0.733)	-0.673 (0.717)	-0.748 (0.723)	-0.205 (0.735)
Female	0.0305 (0.0613)	0.0227 (0.0613)	0.0227 (0.0616)	0.0314 (0.0612)
Did Not Provide Gender	-0.0157 (0.0934)	-0.0104 (0.0934)	-0.0245 (0.0938)	-0.0125 (0.0931)
Roles				
Fellow (Omitted: Attending)	0.0836 (0.120)	0.0585 (0.120)	0.0632 (0.121)	0.0651 (0.120)
Resident	-0.127	-0.138	-0.130	-0.124

	(0.0865)	(0.0865)	(0.0868)	(0.0863)
Tenure				
6-11 months	-0.0472 (0.190)	-0.0124 (0.190)	-0.0281 (0.190)	-0.0387 (0.189)
1 to 2 years	-0.133 (0.181)	-0.100 (0.181)	-0.115 (0.182)	-0.129 (0.181)
3 to 4 years	-0.129 (0.173)	-0.110 (0.173)	-0.123 (0.174)	-0.149 (0.175)
5 to 10 years	-0.0784 (0.166)	-0.0503 (0.166)	-0.0604 (0.167)	-0.102 (0.172)
11 to 20 years	-0.135 (0.166)	-0.118 (0.166)	-0.124 (0.167)	-0.173 (0.173)
21 or more years	-0.0308 (0.164)	-0.00912 (0.164)	-0.0276 (0.165)	-0.0669 (0.171)
Tenure not provided	-0.332* (0.184)	-0.314* (0.184)	-0.325* (0.185)	-0.364* (0.188)
Percent of population with college education	-0.0152 (0.0432)	-0.0142 (0.0430)	-0.0567 (0.0415)	-0.0125 (0.0433)
Percent of population living in urban areas	0.00573 (0.0100)	0.0112 (0.0107)	-0.00774 (0.00965)	0.00832 (0.0119)
Income per capita	-3.26e-07 (5.43e-05)	-1.81e-05 (5.63e-05)	9.10e-05* (4.68e-05)	-8.39e-06 (5.62e-05)
Specialist physicians per 1,000 people	-2.457 (1.680)	-2.816* (1.706)	0.997 (1.335)	-2.978 (1.838)
Surgeons per 1,000 people	3.981 (3.045)	5.162 (3.204)	-2.222 (2.428)	4.851 (3.344)
Primary care physicians per 1,000 people	0.589 (0.404)	0.230 (0.368)	0.0602 (0.366)	0.900** (0.418)
Hospital beds per 1,000 people	0.295* (0.166)	0.207 (0.164)	0.208 (0.166)	0.303* (0.170)
Proportion of population black	2.643 (2.445)	2.888 (2.448)	-0.636 (2.223)	3.051 (2.554)
Proportion of population Hispanic	-25.76 (15.93)	-26.18* (15.78)	-3.536 (14.54)	-27.63* (16.77)
Proportion of the population over 65	-17.20 (11.05)	-11.13 (11.20)	-17.00 (11.10)	-16.32 (11.09)
CMI	0.0349 (0.847)	-0.514 (0.834)	-0.472 (0.847)	0.221 (0.871)
Constant	4.150** (1.977)	4.766** (1.901)	6.652*** (1.953)	4.287* (2.208)
Observations	1,108	1,108	1,108	1,108
Number of groups	24	24	24	24

Standard errors in parentheses *** p<0.01, ** p<0.05, * p<0.1

Table S2. Random Effects Model Omitting Nursing Input Component of Teamwork.

Teamwork	(1)	(2)	(3)
Reinforcement	2.170** (0.992)		
Clustering Coefficient		1.266** (0.509)	
Network Density			-3.787* (2.184)
Patients in Hospital Network	0.00223 (0.00212)	-0.00113 (0.00213)	0.00119 (0.00220)
Physicians in Hospital Network	-0.00182 (0.00114)	-0.000842 (0.00112)	-0.00205* (0.00114)
Medium (Ref: Large)	-0.181 (0.154)	-0.0490 (0.142)	-0.168 (0.154)
Major Teaching (Ref: No teaching)	0.0782 (0.175)	-0.0835 (0.191)	0.0634 (0.175)
Minor Teaching	0.0980 (0.202)	0.269 (0.218)	0.198 (0.210)
Closed Cardiac ICU	-0.132 (0.319)	0.0117 (0.335)	8.54e-05 (0.328)
System Membership	0.217 (0.209)	0.123 (0.207)	0.246 (0.209)
Network Membership	0.174* (0.100)	0.134 (0.0941)	0.104 (0.108)
Urban (Ref: Rural)	0.916 (0.623)	0.829 (0.606)	0.981 (0.623)
2010 (Ref: 2008)	-0.165* (0.0865)	-0.180** (0.0874)	-0.191** (0.0877)
2011	-0.157* (0.0923)	-0.127 (0.0899)	-0.136 (0.0929)
Nurses per inpatient day	54.06 (54.47)	55.27 (54.40)	21.86 (57.48)
Percent of inpatient days from Medicaid	-1.878 (1.745)	-1.798 (1.744)	-1.732 (1.745)
Percent of inpatient days from Medicare	-0.297 (0.644)	-0.547 (0.630)	-0.292 (0.643)
Female	0.0551 (0.0539)	0.0500 (0.0538)	0.0532 (0.0538)
Did Not Provide Gender	-0.00954 (0.0819)	-0.00580 (0.0819)	-0.00434 (0.0819)
Roles			
Fellow (Omitted: Attending)	0.0561 (0.106)	0.0383 (0.105)	0.0458 (0.106)

Resident	-0.120 (0.0760)	-0.128* (0.0760)	-0.119 (0.0759)
Tenure			
6-11 months	-0.0132 (0.166)	0.0138 (0.166)	-0.00505 (0.166)
1 to 2 years	-0.121 (0.159)	-0.0976 (0.159)	-0.110 (0.159)
3 to 4 years	-0.140 (0.154)	-0.129 (0.154)	-0.137 (0.153)
5 to 10 years	-0.0886 (0.151)	-0.0728 (0.151)	-0.0789 (0.151)
11 to 20 years	-0.125 (0.152)	-0.119 (0.152)	-0.124 (0.152)
21 or more years	-0.0239 (0.150)	-0.0149 (0.150)	-0.0211 (0.150)
Tenure not provided	-0.279* (0.165)	-0.273* (0.165)	-0.278* (0.165)
Percent of population with college education	-0.0122 (0.0380)	-0.0112 (0.0378)	-0.00923 (0.0380)
Percent of population living in urban areas	0.00870 (0.00989)	0.0112 (0.0101)	0.00494 (0.0101)
Income per capita	-2.42e-06 (4.93e-05)	-1.34e-05 (5.01e-05)	-6.34e-06 (4.93e-05)
Specialist physicians per 1,000 people	-2.183 (1.618)	-2.271 (1.594)	-2.126 (1.617)
Surgeons per 1,000 people	3.600 (2.945)	4.140 (2.970)	3.506 (2.941)
Primary care physicians per 1,000 people	0.477 (0.357)	0.221 (0.328)	0.599* (0.363)
Hospital beds per 1,000 people	0.241* (0.146)	0.173 (0.145)	0.213 (0.147)
Proportion of population black	1.994 (2.231)	2.025 (2.207)	2.225 (2.232)
Proportion of population Hispanic	-21.89 (14.74)	-20.86 (14.45)	-21.43 (14.72)
Proportion of the population over 65	-12.78 (9.749)	-8.617 (9.846)	-12.16 (9.743)
CMI	0.211 (0.750)	-0.225 (0.749)	0.0577 (0.755)
Constant	3.068* (1.784)	3.624** (1.724)	3.776** (1.828)
Observations	1,108	1,108	1,108

Number of groups	24	24	24
Standard errors in parentheses			
*** p<0.01, ** p<0.05, * p<0.1			

Figure S1. Marginal Effect of the Interaction Between Reinforcement and Density

