Appendix

Appendix Table 1: Hospital Quality Alliance Quality of Care Process Measures

Acute Myocardial Infarction	Aspirin within 24 hours of admission
	Aspirin at the time of discharge
	Angiotensin converting enzyme (ACE) inhibitor or angiotensin receptor blocker (ARB) for left ventricular systolic dysfunction (LVSD)
	Beta-blocker within 24 hours of admission
	Beta-blockers at the time of discharge
	Fibrinolytic medication received within 30 minutes of hospital arrival
	Percutaneous coronary intervention (PCI) Received Within 90 Minutes Of Hospital Arrival
	Smoking cessation advice or counseling among smokers
Congestive Heart Failure	Evaluation of left ventricular systolic function
	ACE inhibitor or ARB for LVSD
	Discharge instruction that address activity level, diet, medications, follow-up appointment, weight and symptom monitoring
	Smoking cessation advice or counseling among smokers
Pneumonia	Oxygenation assessment
	Initial antibiotic therapy begun within 6 hours of arrival
	Pneumococcal vaccination status
	Blood cultures performed prior to antibiotics being started
	Appropriate initial antibiotic selection
	Smoking cessation advice or counseling among smokers
Surgical Infection Prevention	Appropriate preventative antibiotic(s) given prior to surgery
	Treatment to prevent deep venous thrombosis ordered by the physician after select surgeries

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Appendix Table 2. Relationship between duration of use of *UpToDate* and risk-adjusted LOS
among UpToDate hospitals only using quarterly data from 2004 through 2006

Conditions	Risk-adjusted LOS		Mortality Rate	
	Effect per 1000 days % (CI)	P-value	Effect per 1000 days % (CI)	P-value
Total	**-0.08 (-0.11 - -0.05)**	**<0.001**	**-0.22 (-0.3 - -0.10)**	**<0.001**
AMI	-0.40 (-0.47 - -0.34)	<0.001	-0.80 (-1.29 - -0.31)	0.002
CHF	-0.32 (-0.36 - -0.28)	<0.001	-0.01 (-0.27 – 0.26)	0.95
PN	-0.46 (-0.51 - -0.41)	<0.001	-0.82 (-1.12 - -0.53)	<0.001
Stroke	-0.25 (-0.32 - -0.19)	<0.001	0.12 (-0.66 - 0.41)	0.65
GIH	-0.21 (-0.25 - -0.16)	<0.001	-0.42 (-0.67 - -0.17)	0.001
Hip Fracture	-0.19 (-0.26 - -0.12)	<0.001	-0.20 (-0.57 - 0.18)	0.30

*Per 1,000 days of use. The analyses are adjusted for hospital characteristics and patient
characteristics. AMI = acute myocardial infarction; CHF = congestive heart failure; PN =
pneumonia, GIH = Gastrointestinal hemorrhage.