

Appendix Table 1. Adjusted Analyses of Risk for Patient Safety Events by Race/Ethnicity, Insurance, and Limited English Proficiency

	Race/ ethnicity, Insurance, LEP entered individually*			Race/ ethnicity, Insurance, LEP entered together*		
	IRR	95% CI	95% CI	IRR	95% CI	95% CI
Race/ ethnicity						
White	ref	ref	ref	ref	ref	ref
Black	1.02	0.96	1.05	1.01	0.97	1.05
Latino	0.94	0.88	1.01	0.98	0.91	1.06
Asian	0.89	0.83	0.96	0.93	0.86	1.01
Other	1.02	0.98	1.06	1.03	0.99	1.07
Insurance						
Insured	ref	ref	ref	ref	ref	ref
Medicaid	0.98	0.94	1.02	1.00	0.96	1.04
Language						
LEP	0.91	0.87	0.96	0.93	0.88	0.98

Note: bolded numbers represent values that are statistically significant at $p < .05$
Abbreviations: LEP= limited English proficient; IRR= incident rate ratio, CI= confidence interval.
*Adjusting for age, sex, marital status, primary diagnosis, clinical risk score, service at discharge, intensive care stay, length of stay, and year of admission. Generalized estimation equations included to account for clustering for multiple admissions per patient.

Appendix Table 2. Adjusted Analyses of Risk for Patient Safety Events Stratified by Voluntary v. Automated Events

Voluntary Reported Patient Safety Events						
	Primary covariates entered individually*			Primary covariates entered together*		
	IRR	95% CI	95% CI	IRR	95% CI	95% CI
Race/ethnicity						
White	ref	ref	ref	ref	ref	ref
Black	0.96	0.91	1.01	0.97	0.92	1.02
Latino	0.90	0.83	0.98	0.94	0.86	1.03
Asian	0.87	0.80	0.96	0.92	0.83	1.01
Other	1.01	0.96	1.06	1.02	0.97	1.07
Insurance						
Other Insurance	ref	ref	ref	ref	ref	ref
Medicaid	0.97	0.92	1.02	0.99	0.94	1.04
Language						
LEP	0.89	0.85	0.94	0.92	0.86	0.98
Automated Patient Safety Events						
	Primary covariates entered individually*			Primary covariates entered together*		
	IRR	95% CI	95% CI	IRR	95% CI	95% CI
Race/ethnicity						
White	ref	ref	ref	ref	ref	ref
Black	1.11	1.03	1.20	1.12	1.04	1.21
Latino	1.06	0.93	1.20	1.10	0.96	1.25
Asian	0.95	0.83	1.09	0.98	0.85	1.14
Other	1.05	0.97	1.13	1.06	0.98	1.14
Insurance						
Other Insurance	ref	ref	ref	ref	ref	ref
Medicaid	1.01	0.94	1.09	1.01	0.94	1.10
Language						
LEP	0.97	0.89	1.05	0.94	0.86	1.03

Note: bolded numbers represent values that are statistically significant at $p < .05$
Abbreviations: LEP= limited English proficient; IRR= incident rate ratio; CI= confidence interval.

*Adjusting for age, sex, marital status, primary diagnosis, clinical risk score, service at discharge, intensive care stay, length of stay, and year of admission. Generalized estimation equations included to account for clustering for multiple admissions per patient.

Appendix Table 3: Adjusted analyses of Patient Safety Events by Language			
Any Patient Safety Events*			
	IRR	95% CI	
English	ref	ref	ref
Spanish	0.95	0.88	1.03
Chinese	0.84	0.75	0.94
Russian	1.00	0.90	1.12
Cape Verdean	0.90	0.78	1.04
Other	0.88	0.82	0.95
Voluntary Patient Safety Events*			
	IRR	95% CI	
English	ref	ref	ref
Spanish	0.90	0.82	0.99
Chinese	0.85	0.74	0.97
Russian	1.04	0.92	1.18
Cape Verdean	0.86	0.74	1.01
Other	0.86	0.79	0.94
Automated Patient Safety Events*			
English	ref	ref	ref
Spanish	1.10	0.96	1.25
Chinese	0.81	0.65	1.00
Russian	0.93	0.76	1.14
Cape Verdean	1.01	0.76	1.34
Other	0.91	0.80	1.05

Note: bolded numbers represent values that are statistically significant at $p < .05$
 Abbreviations: LEP= limited English proficient; IRR= incident rate ratio. CI= confidence interval.
 *Adjusting for age, sex, marital status, clinical classification score diagnosis, mortality index, service at discharge, intensive care stay, length of stay, and year of admission. Generalized estimation equations included to account for clustering for multiple admissions per patient.

