Appendix eTable 1: Adjusted relative ratios and 95% confidence intervals for total, pharmacy, laboratory, and radiology costs, by language and insurance group. Comparison group is privately-insured English speakers.

Outcome, by language-insurance groups	Adjusted relative ratio[a]	95% CI	P-value
Privately-insured Spanish			
Total cost	0.79	0.67, 0.93	.004
Pharmacy cost	0.72	0.51, 1.00	.05
Lab cost	0.86	0.62, 1.21	.40
Radiology cost	1.03	0.61, 1.73	.91
Privately-insured Other			
Total cost	1.05	0.95, 1.17	0.34
Pharmacy cost	1.14	1.00, 1.31	.05
Lab cost	1.21	1.03, 1.42	.02
Radiology cost	1.14	0.93, 1.41	1.30
Publicly-insured English			
Total cost	0.93	0.91, 0.96	<.001
Pharmacy cost	0.90	0.86, 0.95	<.001
Lab cost	0.94	0.90, 0.99	.01
Radiology cost	0.89	0.84, 0.94	<.001
Publicly-insured Spanish			
Total cost	1.34	1.12, 1.59	.001
Pharmacy cost	1.57	1.08, 2.29	.02
Lab cost	1.17	0.83, 1.65	.36
Radiology cost	1.01	0.60, 1.71	.96
Publicly-insured Other			
Total cost	0.95	0.84, 1.07	.38
Pharmacy cost	0.83	0.71, 0.98	.03
Lab cost	0.83	0.69, 1.01	.07
Radiology cost	0.88	0.69, 1.11	.27

Appendix eTable 2: Adjusted relative ratios and 95% confidence intervals for total costs, stratified by medical complexity, by language and insurance group. Comparison group is privately-insured English speakers.

Outcome, by language-insurance groups	Adjusted relative ratio[a]	95% CI	P-value
Privately insured Spanish			
Non-chronic	0.94	0.74, 1.21	.64
Non-complex chronic	0.88	0.70, 1.12	.30
Complex chronic	0.77	0.59, 1.00	.05
Privately insured Other			
Non-chronic	0.96	0.85, 1.09	.52
Non-complex chronic	0.94	0.77, 1.14	.52
Complex chronic	1.12	0.95, 1.33	.19
Publicly insured English			
Non-chronic	0.99	0.95, 1.03	.49
Non-complex chronic	0.93	0.88, 0.98	.01
Complex chronic	0.93	0.90, 0.96	<.001
Publicly insured Spanish			
Non-chronic	1.04	0.81, 1.33	.75
Non-complex chronic	1.13	0.88, 1.45	.35
Complex chronic	1.43	1.06, 1.92	.02
Publicly insured Other			
Non-chronic	1.01	0.87, 1.17	.90
Non-complex chronic	1.02	0.81, 1.27	.89
Complex chronic	0.90	0.74, 1.10	.30

Appendix eTable 3: Adjusted relative ratios and 95% confidence intervals for total costs by language and insurance categories, using different thresholds for winsorization

Preferred language	Insurance type	Main analysis, winsorized at 99th percentile[a] (n=19,249)	Sensitivity analysis, winsorized at 95th percentile[a] (n=19,249)
English	Public	0.93 (0.91, 0.96)*	0.93 (0.90, 0.95)*
Spanish	Private	0.79 (0.67, 0.93)*	0.83 (0.71, 0.96)*
	Public	1.34 (1.12, 1.59)*	1.22 (1.05, 1.42)*
Other languages	Private	1.05 (0.95, 1.17)	1.03 (0.93, 1.13)
	Public	0.95 (0.84, 1.07)	0.96 (0.86, 1.07)

[a]Based on a generalized linear model with log link, gamma family, and clustered on individual, controlling for length of stay (LOS), race/ethnicity, distance from hospital, medical complexity, asthma diagnosis, age category, insurance type, preferred language, and the interaction between insurance and language

*$P < .05$