Appendix 2: Supplementary tables [posted as supplied by author]

Table A: Sensitivity Analyses of Hospital Admission Rates for Ambulatory Care Sensitive Conditions (Composite Measure) After Massachusetts' Health Care Reform Among Adults 18-64 (2004-2010)

Model	Difference in Change, Massachusetts vs. Control Group	95% CI or p-value
Baseline Model	1.2%	-1.6% , 4.1%
Model with Standard Errors Calculated using bootstrap method (fixed effects)	1.2%	-1.6%, 4.0%
Model with Standard Errors Calculated using bootstrap method (random effects)	1.2%	-0.1%, 2.5%
Model Using Negative Binomial Regression	1.7%	-0.3%, 3.7%
Model Including Longer Post-reform Time Period	4.7%	1.5%, 7.9%
Linear Probability Model	0.45	-0.02, 0.9
Model Using Propensity Score Matched Controls	0.0%	-3.1%, 3.2%
Model with interrupted time series specification		
Level estimate	0.18	p=0.68
Trend estimate	-0.01	p=0.92

Table B: Sensitivity Analyses of Racial and Ethnic Disparities in Hospital Admission Rates for Ambulatory Care Sensitive Conditions (Composite Measure) After Massachusetts' Health Care Reform Among Adults 18-64 (2004-2010)

Model	Difference in Change, Massachusetts vs. Control Group	95% CI or p-value
Baseline Model		
Black-White Disparity	-1.9%	-8.5%, 5.11%
Hispanic-White Disparity	2.0%	-7.5%, 14.4%
Model with Standard Errors Calculated using bootstrap method (fixed effects)		
Black-White Disparity	-1.9%	-9.5%, 6.2%
Hispanic-White Disparity	2.0%	-8.3%, 13.4%
Model with Standard Errors Calculated using bootstrap method (random effects)		
Black-White Disparity	-1.9	-5.7%, 2.0%
Hispanic-White Disparity	2.0	-2.5%, 6.6%
Model Using Negative Binomial Regression		
Black-White Disparity	-1.9%	-7.5%, 4.0%
Hispanic-White Disparity	3.3%	-3.3%, 10.3%
Model Including Longer Post-reform Time Period		
Black-White Disparity	-2.7%	-10.7%, 6.1%
Hispanic-White Disparity	5.7%	-3.8%, 16.1%
Linear Probability Model		
Black-White Disparity	-1.2	-3.1, 0.7
Hispanic-White Disparity	-0.6	-2.3, 1.2
Model Using Propensity Score Matched Controls		
Black-White Disparity	-5.7%	-13.0%, 2.2%
Hispanic-White Disparity	0.01%	-10.9%, 12.4%
Model with interrupted time series specification		
Level estimate		
Black-White Disparity	0.22	p=0.32
Hispanic-White Disparity	-2.3	p=0.11
Trend estimate		
Black-White Disparity	0.01	p=0.96
Hispanic-White Disparity	-0.03	p=0.86

Table C. Pre-reform Trend Analysis of Hospital Admission Rates for Ambulatory Care Sensitive Conditions After Massachusetts' Health Care Reform Among Adults 18-64 (2004-2010) Using an Interrupted Time-series Approach

Measure	Estimated Regression Coefficient from Interrupted Time Series Analysis Examining Pre-reform Trends (slope) in ACSC Admission Rates in MA and Control States	p-value
Overall composite ACSC	0.018	0.77
Acute composite ACSC	0.039	0.09
Chronic ACSC	-0.02	0.68
Overall Composite ACSC Black-white difference	0.021	0.32
Overall Composite ACSC Hispanic-white difference	0.26	0.23

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