

Appendix Table 1. Changes in 30-day Readmission Rates in MA and NJ Following Health Care Reform, Age18-64									
	Unadjusted Results							Adjusted Results	
	Massachusetts			NJ			MA vs. NJ	Odds of 30-day All-Cause Readmission in MA Relative to NJ	
Index Admission Diagnosis	Pre-reform Readmission rate*	Post-reform Readmission rate	Change in Readmission rate	Pre-reform Readmission rate*	Post-reform Readmission rate	Change in Readmission Rates	Difference-in-Differences§	OR (95% CI)‡	P-value
All diagnoses, excluding obstetrical	14.3%	14.5%	0.2%	14.8%	14.8%	0.0%	0.2%	1.01 (0.10-1.03)	0.1021
Top 5 index admission diagnoses†									
1. Mood disorders & Schizophrenia and other psychotic disorders	18.1%	16.6%	-1.5%	18.2%	17.9%	-0.3%	-1.2%	0.89 (0.83-0.94)	<.0001
2. Back problems & Osteoporosis	8.2%	6.8%	-1.4%	14.3%	12.3%	-2.0%	0.5%	0.79 (0.72-0.87)	<.0001
3. Non specified chest pain & Coronary atherosclerosis	10.1%	11.4%	1.3%	9.3%	9.5%	0.2%	1.1%	1.21 (1.12-1.32)	<.0001
4. Substance-related & Alcohol-related disorders	14.5%	15.8%	1.3%	25.0%	24.4%	-0.5%	1.8%	1.05 (0.98-1.14)	0.1852
5. Skin and subcutaneous tissue infections	11.3%	10.7%	-0.6%	10.0%	9.6%	-0.4%	-0.2%	1.00 (0.89-1.13)	0.9782

* Pre-reform period defined as 9/1/2004-6/30/2006; post-reform period defined as 1/1/2008-9/30/2009

† Patient diagnoses categorized by AHRQ's Clinical Classifications Software (CCS)

‡ Adjusted for age, sex, comorbidity, hospital ownership, teaching hospital and nurse-to-census ratio

§ Compare changes of pre- to post-reform between MA and NJ where reference is NJ; unadjusted