

Appendix 3. Post-ACA Regression Analysis

Adjusted Association between Length of Stay and 30-day ED Return Visits and 30-day Inpatient Readmissions

	30-day ED Return Visits	30-day Inpatient Readmissions
	OR (95% CI)	OR (95% CI)
Model 1: No EMM ^a LOS (days)	0.98 (0.96, 1.01)	1.00 (0.98, 1.02)
Model 2: EMM by diagnosis ^b LOS among those with neither a depressive nor disruptive disorder	1.00 (0.97, 1.02)	1.01 (0.99, 1.03)
LOS among those with a depressive disorder	0.98 (0.93, 1.04)	1.01 (0.96, 1.06)
LOS among those with a disruptive disorder	0.95 (0.89, 1.00)	0.94 (0.88, 1.00)
Model 3: EMM by disease severity ^c LOS among those not discharged on an antipsychotic	0.97 (0.92, 1.01)	0.99 (0.96, 1.03)
LOS among those discharged on an antipsychotic	0.99 (0.97, 1.02)	1.00 (0.98, 1.02)
Model 4: EMM by payer ^d LOS among those not insured by Medicaid	0.99 (0.96, 1.03)	1.01 (0.98, 1.05)
LOS among those insured by Medicaid	0.98 (0.95, 1.01)	1.00 (0.98, 1.02)

Abbreviations: ACA, Affordable Care Act; ED, emergency department; OR, odds ratio; CI, confidence interval; EMM, effect measure modification; LOS, length of stay.

^aAdjusted for age, race/ethnicity, developmental delay, intellectual disability, admission status, diagnosis, disease severity, and payer.

^bAdjusted for age, race/ethnicity, developmental delay, intellectual disability, admission status, disease severity, and payer.

^cAdjusted for age, race/ethnicity, developmental delay, intellectual disability, admission status, diagnosis, and payer.

^dAdjusted for age, race/ethnicity, developmental delay, intellectual disability, admission status, diagnosis, and disease severity.