Table 4a Supplement. Beta coefficients for covariates in the adjusted absolute model of OEND implementation and unintentional opioid-related overdose death rates in 19 communities in Massachusetts, 2002-2009

Absolute model	Adjusted Beta Estimate	Empirical Standard Error Estimates	p-value
Low implementation: 1-100 enrolments per 100,000 vs. No implementation	-0.3157	0.1114	0.0046
High implementation: >100 enrolments per 100,000 vs. No implementation	-0.6129	0.1699	0.0003
Medically supervised inpatient withdrawal treatment	0	0.0002	0.988
Methadone treatment	0.0015	0.0005	0.0015
Buprenorphine treatment	0.0027	0.0015	0.0714
Race/Ethnicity			
White, Non-Hispanic	-0.0128	0.0095	0.181
Hispanic	-0.0233	0.0115	0.0429
Black/African American, Non-Hispanic	-0.017	0.0134	0.2047
Male	-0.0984	0.0843	0.243
Under the age of 18	0.0331	0.0184	0.0727
Below poverty level	-0.009	0.0165	0.5868
Prescriptions to doctor shoppers*	0.0031	0.0049	0.5316
Year (as a linear term)	0.0937	0.0245	0.0001

* Schedule II opioid prescriptions dispensed to "doctor shoppers" per total opioid prescriptions dispensed. Doctor shoppers were individuals who had schedule II opioid prescriptions from ≥4 prescribers and filled prescriptions at ≥4 pharmacies in a 12 month period.

Table 4b Supplement. Beta coefficients for covariates in the adjusted relative model of OEND implementation and unintentional opioid-related overdose death rates in 19 communities in Massachusetts, 2002-2009

Relative model	Adjusted Beta Estimate	Empirical Standard Error Estimates	p-value
Low implementation: < the median vs. No implementation	-0.3394	0.1174	0.0038
High implementation: ≥ the median vs. No Implementation	-0.2483	0.1311	0.0582
Medically supervised inpatient withdrawal treatment	0	0.0002	0.9909
Methadone treatment	0.0015	0.0005	0.0016
Buprenorphine treatment	0.001	0.0016	0.5024
Race/Ethnicity			
White, Non-Hispanic	-0.0112	0.0087	0.1991
Hispanic	-0.0215	0.0113	0.0577
Black/African American, Non-Hispanic	-0.0188	0.0127	0.1375
Male	-0.0865	0.0771	0.2622
Under the age of 18	0.0371	0.0184	0.0441
Below poverty level	-0.0101	0.019	0.5949
Prescriptions to doctor shoppers*	0.0034	0.0049	0.4933
Year (as a linear term)	0.088	0.0254	0.0005

* Schedule II opioid prescriptions dispensed to "doctor shoppers" per total opioid prescriptions dispensed. Doctor shoppers were individuals who had schedule II opioid prescriptions from ≥4 prescribers and filled prescriptions at ≥4 pharmacies in a 12 month period.