Appendix Figures

Figure A1: Zero Cost-Sharing Mandate Unadjusted Graphs

Panel A: Log Chlamydia Cases	Panel B: Log Gonorrhea Cases

Event Studies — Fitted Line --- Counter-Factual

Panel C: Log Births	Panel D: Log Condom Sales

Event Studies — Fitted Line --- Counter-Factual

Note: Whiskers 95% confidence intervals; Cluster at state-level, weighted by 2011 state-age population
Panel A-C treatment intensity: 2011-12 insured rate, 25-29 year olds
Panel D treatment intensity: 2011-12 insured rate, 20-29 year olds
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita,
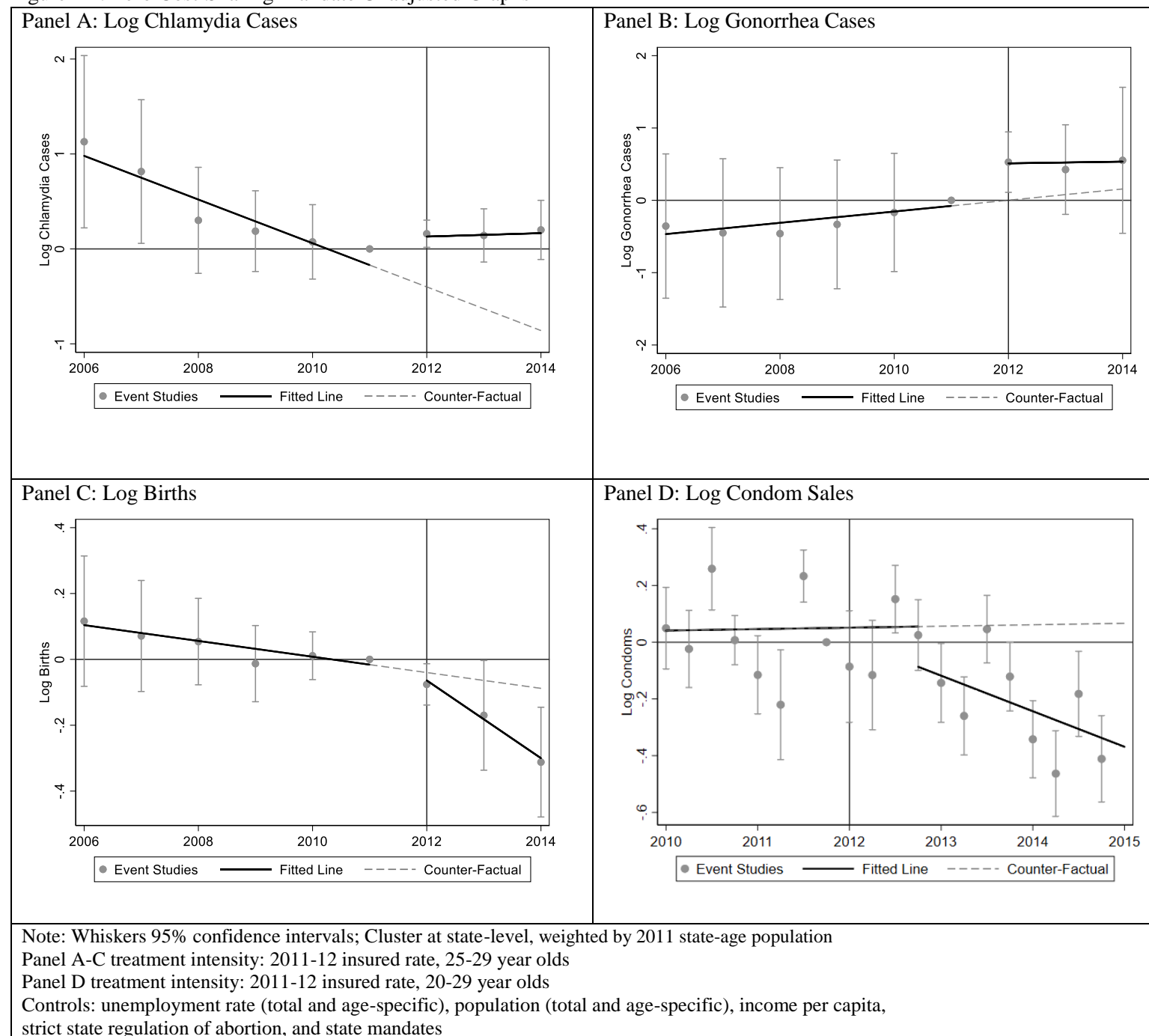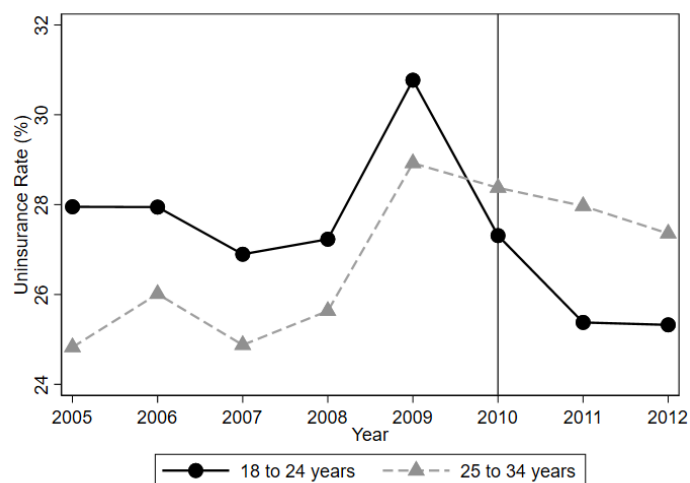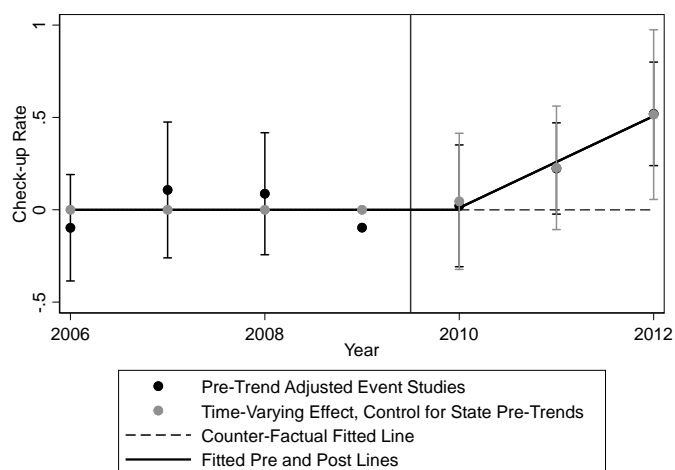strict state regulation of abortion, and state mandates
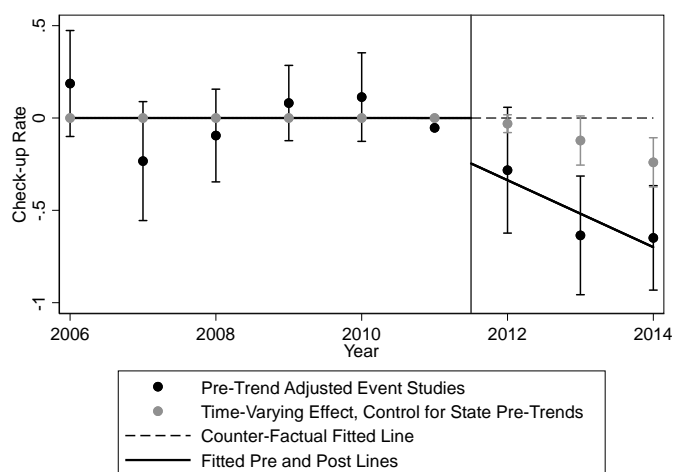
Figure A2: Trends in Uninsured Rate by Age Group

Data Source: Current Population Survey, Table HI01. Health Insurance Coverage Status and Type of Coverage by Selected Characteristics, various years
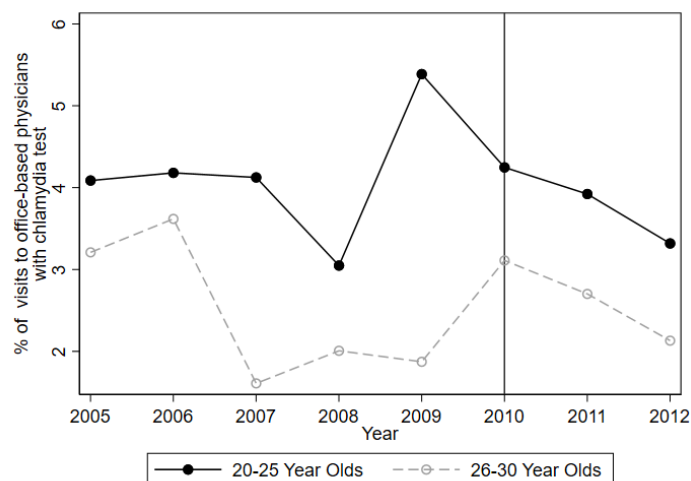
Figure A3: Dependent Coverage Mandate – Check-Up Rate

Note: Whiskers 95% confidence intervals
Treatment intensity: 2008-09 uninsured rate, 20-24 year olds
Cluster at state-level, weighted by 2011 state-age population
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion, and state mandates

Figure A4: Zero Cost-Sharing Mandate – Check-Up Rate

Note: Whiskers 95% confidence intervals
Treatment intensity: 2011-12 insured rate, 25-29 year olds
Cluster at state-level, weighted by 2011 state-age population
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion, and state mandates

Figure A5: Chlamydia Testing by Year

Data source: National Ambulatory Medical Care Survey

Appendix Tables

Table A1: Effect of Dependent Coverage Mandate on Insurance Rate

Age Groups (Year Olds)			
20-25	26-30	31-35	41-45
0.139**	0.087	-0.084	-0.057
(0.057)	(0.073)	(0.082)	(0.064)
2008-09 Insurance Rate			
0.688	0.769	0.829	0.851
Percent Change			
6.3%	2.6%	-1.7%	-1.0%

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE)

Percent change = (estimated effect * (1 - baseline)) / baseline. For 20-25 year olds, (0.139 * (1-0.688)) / 0.688

Table A2: Unweighted Effect of Dependent Coverage Mandate (20-24 Year Olds)

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.005 (0.174)	-0.206 (0.152)	-0.395 (0.242)	-0.432* (0.234)	-0.224 (0.147)
Change in Slope					-0.211 (0.133)
	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	-0.021 (0.298)	-0.249 (0.411)	-0.459 (0.569)	-0.659 (0.568)	-0.486 (0.385)
Change in Slope					-0.172 (0.283)
	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.071 (0.057)	-0.027 (0.052)	0.014 (0.059)	-0.026 (0.061)	-0.057 (0.050)
Change in Slope					0.033 (0.029)

*p-value<0.10, **p-value<0.05, ***p-value<0.01
Standard errors in parentheses (SE), cluster at state-level
Controls: unemployment rate (total and age-specific), population (total and age-specific),
income per capita, strict state regulation of abortion, and state mandates
Years: 2006-2012

Table A3: Unweighted Effect of Zero Cost-Sharing Mandate (25-29 Year Olds)

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.074 (0.249)	0.556** (0.275)	0.627* (0.341)	0.626* (0.315)	0.501** (0.223)
Change in Slope					0.125 (0.132)
	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.755 (0.512)	0.579 (0.651)	0.716 (0.746)	0.345 (0.705)	0.394 (0.583)
Change in Slope					-0.044 (0.367)
	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	-0.029 (0.064)	-0.041 (0.046)	-0.103* (0.052)	-0.062 (0.063)	-0.012 (0.043)
Change in Slope					-0.053 (0.043)

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE), cluster at state-level

Controls: unemployment rate (total and age-specific), population (total and age-specific),

income per capita, strict state regulation of abortion, and state mandates

Years: 2006-2014

Table A4: Effect of Dependent Coverage Mandate (20-24 Year Olds),
Excluding Earlier Medicaid Expansion States

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.236 (0.172)	-0.326* (0.176)	-0.625*** (0.226)	-0.791*** (0.273)	-0.432** (0.181)
Change in Slope					-0.403** (0.155)

	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	-0.116 (0.267)	-0.036 (0.259)	-0.198 (0.366)	-0.615 (0.476)	-0.289 (0.327)
Change in Slope					-0.366 (0.236)

	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	-0.008 (0.047)	-0.003 (0.039)	0.005 (0.064)	-0.076 (0.076)	-0.058 (0.053)
Change in Slope					-0.017 (0.029)

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE), cluster at state-level, weighted by 2011 state age-specific population

Controls: unemployment rate (total and age-specific), population (total and age-specific),

income per capita, strict state regulation of abortion, and state mandates

Years: 2006-2012

Table A5: Effect of Zero Cost-Sharing Mandate (25-29 Year Olds),
Excluding Earlier Medicaid Expansion States

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.236 (0.199)	0.486** (0.217)	0.742** (0.299)	0.723** (0.313)	0.534** (0.206)
Change in Slope					0.199 (0.156)

	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.190 (0.489)	0.348 (0.311)	0.421 (0.392)	0.022 (0.452)	0.231 (0.313)
Change in Slope					-0.243 (0.225)

	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.061 (0.054)	-0.028 (0.032)	-0.099* (0.052)	-0.075 (0.053)	-0.007 (0.034)
Change in Slope					-0.082** (0.033)

*p-value<0.10, **p-value<0.05, ***p-value<0.01
Standard errors in parentheses (SE), cluster at state-level, weighted by 2011 state age-specific population
Controls: unemployment rate (total and age-specific), population (total and age-specific),
income per capita, strict state regulation of abortion, and state mandates
Years: 2006-2014

Table A6: Effect of Zero Cost-Sharing Mandate (30-34 Year Olds)

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.244 (0.197)	0.646*** (0.175)	0.849*** (0.214)	0.794*** (0.208)	0.460*** (0.142)
Change in Slope					0.338*** (0.102)

	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.607 (0.453)	0.466 (0.392)	0.608 (0.470)	0.177 (0.492)	0.244 (0.357)
Change in Slope					-0.062 (0.213)

	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.128** (0.056)	-0.011 (0.030)	-0.057 (0.045)	-0.011 (0.077)	0.020 (0.041)
Change in Slope					0.036 (0.044)

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE), cluster at state- level, weighted by 2011 state age-specific population

Controls: unemployment rate (total and age-specific), population (total and age-specific),

income per capita, strict state regulation of abortion, and state mandates

Years: 2006-2014

Table A7: Effect of Zero Cost-Sharing Mandate, Private Insurance Treatment (25-29 Year Olds)

	Panel A: Log Chlamydia Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.205 (0.205)	0.828** (0.353)	1.023** (0.439)	0.939** (0.419)	0.729** (0.330)
Change in Slope					0.212 (0.141)

	Panel B: Log Gonorrhea Cases				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.555 (0.620)	0.796 (0.735)	1.344 (0.984)	0.686 (0.969)	0.238 (0.646)
Change in Slope					0.492 (0.465)

	Panel C: Log Births				
	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	0.080 (0.090)	-0.156*** (0.049)	-0.276*** (0.071)	-0.209** (0.082)	-0.060 (0.048)
Change in Slope					-0.161*** (0.045)

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE), cluster at state-level

Controls: unemployment rate (total and age-specific), population (total and age-specific),

income per capita, strict state regulation of abortion, and state mandates

Years: 2006-2014, Data: ACS

Table A8: Effect of Zero Cost-Sharing Mandate on Lagged Births (25-29 Year Olds)

	No Pre-Trend Adjustment	State Trends	State Pretrends	Overall Pretrend	Dynamic Model
Difference-in-Differences	-0.296***	-0.184***	-0.264***	-0.216**	-0.123**
	(0.080)	(0.048)	(0.059)	(0.082)	(0.060)
Change in Slope					-0.101***
					(0.027)

*p-value<0.10, **p-value<0.05, ***p-value<0.01

Standard errors in parentheses (SE), cluster at state-level

Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion, and state mandates

Table A9: Falsification Test - Effect of Dependent Coverage Mandate

	Log Syphilis Cases	Log HIV Cases[1]	% Women	% White	Unemp. Rate	Income Per Capita	Strict Abortion Reg.
State Pretrends	0.183 (0.942)	0.125 (0.831)	0.001 (0.004)	0.001 (0.011)	-0.921 (2.624)	-174.4 (1718.4)	-0.446 (0.325)
Overall Pretrend	0.100 (0.898)	-0.103 (0.621)	0.002 (0.004)	-0.009 (0.014)	-1.880 (1.594)	-505.9 (1713.5)	-0.426 (0.315)
Dynamic Model Intercept	0.265 (0.583)	0.152 (0.375)	0.000 (0.002)	-0.018 (0.012)	0.337 (0.792)	1231.5 (1402.0)	-0.092 (0.184)
Dynamic Model Slope	-0.144 (0.448)	-0.240 (0.269)	0.002 (0.004)	0.008 (0.008)	-2.101 (1.609)	-1618.0 (1980.4)	-0.318 (0.193)

*p-value<0.10, **p-value<0.05, ***p-value<0.01
Standard errors in parentheses (SE), cluster at state-level, weighted by 2011 state age-specific population
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion, and state mandates
Years: 2006-2012, HIV starts in 2008

Table A10: Falsification Test - Effect of Zero Cost-Sharing Mandate

	Log Syphilis Cases	Log HIV Cases[2]	% Women	% White	Unemp. Rate	Income Per Capita	Strict Abortion Reg.
State Pretrends	0.517 (0.778)	-0.103 (0.310)	-0.001 (0.007)	-0.026 (0.016)	1.629 (2.492)	-788.5 (1226.5)	0.488 (0.464)
Overall Pretrend	1.038 (0.864)	0.102 (0.262)	-0.003 (0.006)	-0.018 (0.019)	1.426 (2.343)	-2649.2 (3192.5)	0.357 (0.512)
Dynamic Model Intercept	0.571 (0.705)	0.216 (0.250)	-0.005 (0.005)	-0.013 (0.016)	0.317 (1.537)	-1165.5 (2766.2)	0.412 (0.452)
Dynamic Model Slope	0.498 (0.335)	-0.121 (0.151)	0.003** (0.001)	-0.006 (0.007)	1.181 (1.311)	-1406.6 (889.7)	-0.053 (0.099)

*p-value<0.10, **p-value<0.05, ***p-value<0.01
Standard errors in parentheses (SE), cluster at state-level
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion, and state mandates
Years: 2006-2014, HIV starts in 2008

[1] Age group is 25-34 year olds
[2] Age group is 25-34 year olds