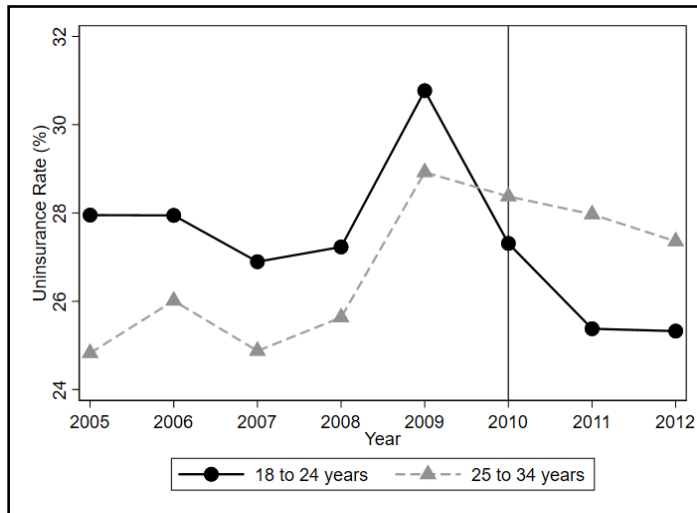


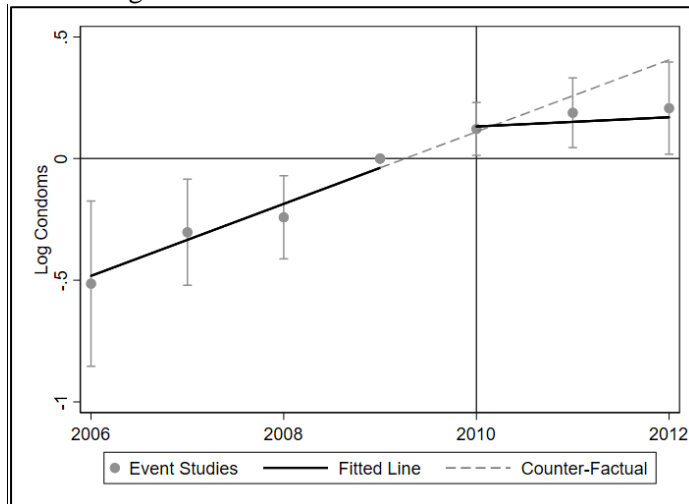
Appendix Figures

Figure A1: 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 A2: Dependent Coverage Mandate –
Log Condoms

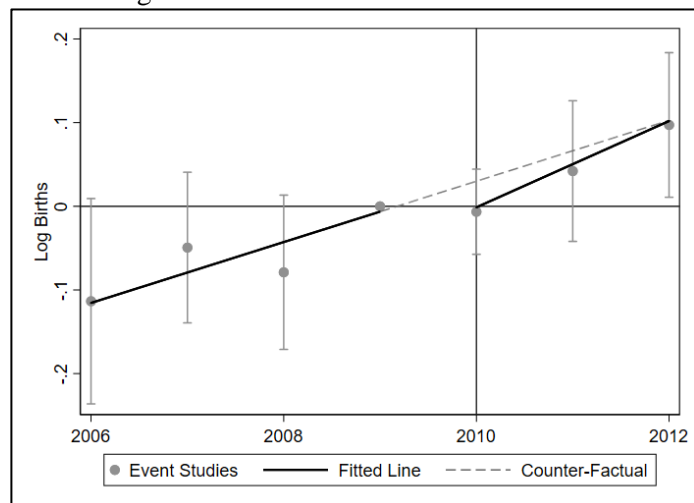


Note: Whiskers 95% confidence intervals

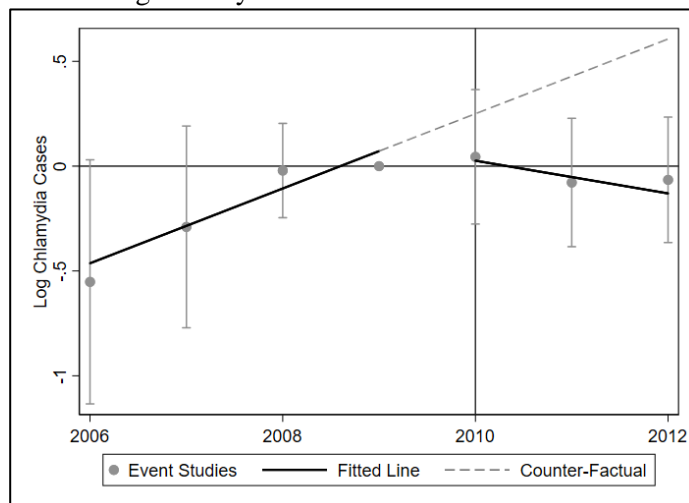
Treatment intensity: 2008-09 uninsured rate, 20-24 year olds

Cluster at state-level, weighted by 2011 state-age population

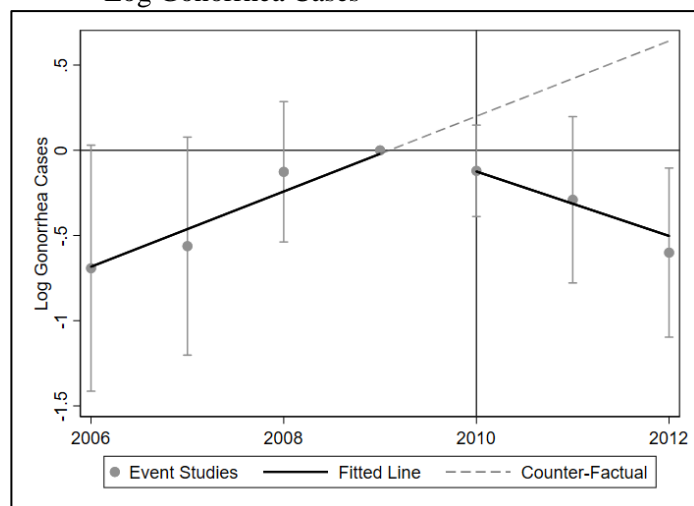
Controls: unemployment rate (total), population (total), income per capita, strict state regulation of abortion, and state mandates

Figure A3: Dependent Coverage Mandate –
Log Births

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

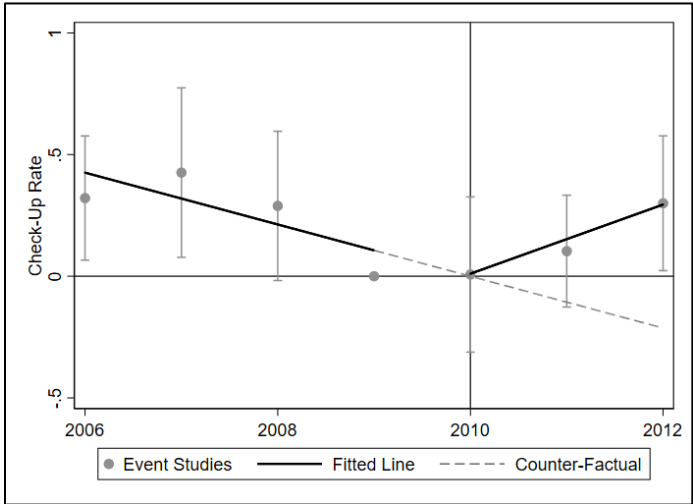
Figure A4: Dependent Coverage Mandate –
Log Chlamydia Cases

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 A5: Dependent Coverage Mandate –
Log Gonorrhea Cases

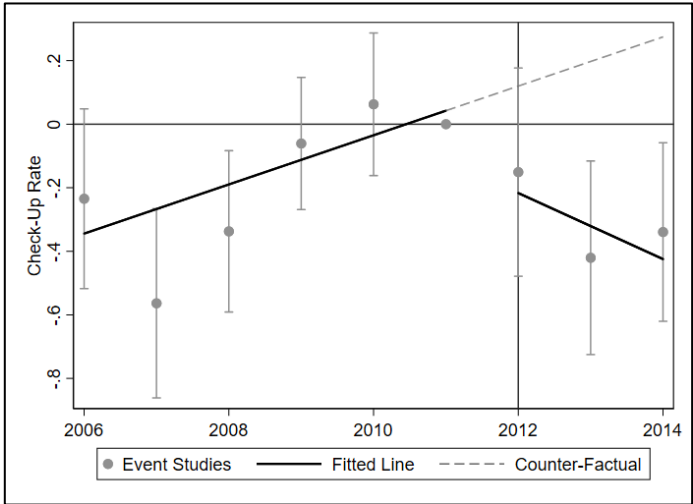
Note: Whiskers 95% confidence intervals
 Treatment intensity: 2008-09 uninsured rate, 20-24 year olds
 Cluster at state-level, weighted by 2011 state-age population
 Controls: unemployment rate (total and age-specific),
 population (total and age-specific), income per capita,
 strict state regulation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

Figure A6: Dependent Coverage Mandate –
Check-Up Rate



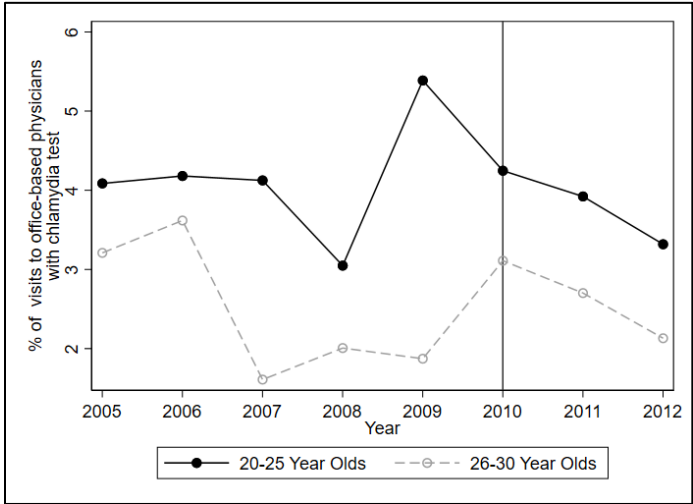
Note: Whiskers 95% confidence intervals
Treatment intensity: 2008-09 uninsured rate, 20-24 year olds
Cluster at state-level, weighted by 2011 state-age population
Controls: unemployment rate (total and age-specific), population (total and age-specific), income per capita, strict state regulation of abortion,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

Figure A7: 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 A8: Chlamydia Testing by Year



Data source: National Ambulatory Medical Care Survey

Appendix Tables

Table A1: Effect of Policies on Model Parameters

	Dependent Coverage	Zero Cost-Sharing
Birth Costs	-	0
Abortion Costs	-	0
STI Treatment Costs	-	0
Birth Control Costs	0	-
STI Prevalence	+/-	+/-

Table A2: Effect of Model Parameters on Choices

	Birth Costs	Abortion Costs	STI Treatment Costs	Birth Control Costs	STI Prevalence
Birth Control	+	0	0	-	0
Sex	-	0	0	0	0
Condom	+	0	0	0	0
Abortion	+	-	0	0	0
Birth	-	+	0	0	0
STI Treatment	0	0	-	0	0

Table A3: Effect of Choices on Choices

	Birth Control	Sex	Condom	Abortion	Birth	STI Treatment
Birth Control	1	+	-	-	+	0
Sex	+	1	+	+	-	+
Condom	-	+	1	-	+	-
Abortion	0	0	0	1	0	0
Birth	0	0	0	0	1	0
STI Treatment	0	0	0	0	0	1

Table A4: Effect of Outcomes on Choices

	Pregnancy	STI
Birth Control	0	0
Sex	0	0
Condom	0	0
Abortion	+	0
Birth	+	0
STI Treatment	0	+

Table A5: Effect of Choices on Outcomes

	Birth Control	Sex	Condom	Abortion	Birth	STI Treatment
Pregnancy	-	+	-	0	0	0
STI	0	+	-	0	0	0

Table A6: Effect of Dependent Coverage and Zero Cost-Sharing Mandates on Abortion

	Zero Cost-Sharing Mandate	Dependent Coverage Mandate
Pre-Period	0.015	-0.073
Slope	(0.066)	(0.066)
Change in Intercept	0.033	-0.022
	(0.146)	(0.143)
Change in Slope	0.060	-0.131*
	(0.177)	(0.068)
Predicted effect of SD increase in treatment in third year of policy	2,261	-6,745

*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 population

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

Years: 2006-2012 for dependent coverage mandate, 2006-2014 for zero cost-sharing mandate

Outcome date from CDC Abortion Surveillance System¹

Predicted effect = Treatment intensity SD * (Avg. yearly occurrences) * ($\beta_{Intercept\Delta} + (3 * \beta_{slope\Delta})$)

Table A7: 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%	-0.9%

*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

¹ Most states require medical providers to report information on abortions to health agencies, and over 90% of states voluntary passed information along to the CDC every year between 2004 and 2013. For more details, see Jatlaoui et al. (2016).

Table A8: Unweighted Effect of Dependent Coverage Mandate (20-24 Year Olds)

	Log Birth Cases	Log Chlamydia Cases	Log Gonorrhea Cases
Change in Intercept	-0.057 (0.050)	-0.224 (0.147)	-0.486 (0.385)
Change in Slope	0.033 (0.029)	-0.211 (0.133)	-0.172 (0.283)

*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 A9: Unweighted Effect of Zero Cost-Sharing Mandate (25-29 Year Olds)

	Log Birth Cases	Log Chlamydia Cases	Log Gonorrhea Cases
Change in Intercept	-0.012 (0.043)	0.501** (0.223)	0.394 (0.583)
Change in Slope	-0.053 (0.043)	0.125 (0.132)	-0.044 (0.367)

*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, abortion ends in 2013

Table A10: Effect of Dependent Coverage Mandate (20-24 Year Olds), Poisson Regression

	Birth Cases	Chlamydia Cases	Gonorrhea Cases
Change in Intercept	-0.033 (0.038)	-0.198 (0.212)	-0.119 (0.247)
Change in Slope	0.007 (0.023)	-0.239* (0.133)	-0.362** (0.184)

*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 A11: Effect of Zero Cost-Sharing Mandate (25-29 Year Olds), Poisson Regression

	Birth Cases	Chlamydia Cases	Gonorrhea Cases
Change in Intercept	-0.023 (0.041)	0.479*** (0.156)	0.508* (0.305)
Change in Slope	-0.093*** (0.036)	0.234** (0.112)	-0.024 (0.171)

*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, abortion ends in 2013

Table A12: Effect of Dependent Coverage Mandate (20-24 Year Olds), Excluding Earlier Medicaid Expansion States

	Log Birth Cases	Log Chlamydia Cases	Log Gonorrhea Cases
Change in Intercept	-0.058 (0.053)	-0.432** (0.181)	-0.289 (0.327)
Change in Slope	-0.017 (0.029)	-0.403** (0.155)	-0.366 (0.236)

*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

Table A13: Effect of Zero Cost-Sharing Mandate (25-29 Year Olds), Excluding Earlier Medicaid Expansion States

	Log Birth Cases	Log Chlamydia Cases	Log Gonorrhea Cases
Change in Intercept	-0.007 (0.034)	0.534** (0.206)	0.231 (0.313)
Change in Slope	-0.082** (0.033)	0.199 (0.156)	-0.243 (0.225)

*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, abortion ends in 2013

Table A14: Effect of Zero Cost-Sharing Mandate (30-34 Year Olds)

	Log Birth Cases	Log Chlamydia Cases	Log Gonorrhea Cases
Change in Intercept	0.020 (0.041)	0.460*** (0.142)	0.244 (0.357)
Change in Slope	-0.036 (0.044)	0.338*** (0.102)	-0.062 (0.213)

*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, abortion ends in 2013

Table A15: Falsification Test - Effect of Dependent Coverage Mandate

	Log Syphilis Cases	Log HIV Cases ²	% Women	% White	Unemp. Rate	Income Per Capita	Strict Abortion Reg.
Change in 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)
Change in 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 A16: Falsification Test - Effect of Zero Cost-Sharing Mandate

	Log Syphilis Cases	Log HIV Cases ³	% Women	% White	Unemp. Rate	Income Per Capita	Strict Abortion Reg.
Change in Intercept	0.571 (0.705)	0.216 (0.25)	-0.005 (0.005)	-0.013 (0.016)	0.317 (1.537)	-1165.53 (2766.241)	0.412 (0.452)
Change in Slope	0.498 (0.335)	-0.121 (0.151)	0.003** (0.001)	-0.006 (0.007)	1.181 (1.311)	-1406.594 (889.75)	-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

² Age group is 25-34 year olds

³ Age group is 25-34 year olds