

## **1 Online Appendix**

The tables in this appendix report the results from the event study analyses described in the Miller and Wherry (2019) *AEA Papers and Proceedings* article titled, "Four Years Later: Insurance Coverage and Access to Care Continue to Diverge Between ACA Medicaid Expansion and Non-Expansion States."

Table A.1: Changes in Insurance Coverage, Utilization, and Preventive Services Among Low-Income Adults in States with Medicaid Expansions

	Health insurance				Health care use in past 12 months				Preventive services in past 12 months			
	No insurance coverage	Medicaid coverage	Private health insurance coverage	Saw or talked to general doctor	Overnight hospital stay	ED visit coverage	Saw or talked to NP, PA, or midwife	Saw or talked to medical specialist	Blood cholesterol level check	Blood pressure check	Mammogram, women age 50+	Colon cancer test, adults 50+
Expansion $\times Y = 4$	-0.117*** (0.027)	0.170*** (0.026)	-0.034 (0.022)	0.014 (0.030)	-0.009 (0.012)	-0.022 (0.025)	0.015 (0.021)	0.029 (0.027)	0.034 (0.030)	0.006 (0.027)	0.071 (0.060)	0.097** (0.038)
Expansion $\times Y = 3$	-0.106*** (0.024)	0.164*** (0.029)	-0.041** (0.020)	0.032* (0.030)	0.005 (0.010)	-0.025 (0.022)	0.047*** (0.021)	0.033* (0.018)	0.063*** (0.023)	0.02 (0.026)	-0.006 (0.057)	0.064 (0.042)
Expansion $\times Y = 2$	-0.087*** (0.020)	0.158*** (0.025)	-0.062*** (0.015)	0.016 (0.030)	0.001 (0.009)	-0.003 (0.022)	0.027 (0.020)	0.042** (0.017)	0.053* (0.027)	0.008 (0.026)	-0.048 (0.042)	0.041 (0.033)
Expansion $\times Y = 1$	-0.066*** (0.019)	0.093*** (0.019)	-0.015 (0.019)	0.021 (0.027)	0.002 (0.006)	0.009 (0.023)	0.012 (0.016)	0.032* (0.017)	0.025 (0.032)	0.015 (0.024)	0.032 (0.050)	0.053** (0.025)
Expansion $\times Y = -1$	-0.001 (0.020)	-0.009 (0.017)	0.016 (0.014)	0.029 (0.023)	0.006 (0.006)	-0.009 (0.020)	-0.003 (0.018)	0.016 (0.014)	0.006 (0.022)	-0.003 (0.024)	-0.005 (0.047)	0.022 (0.018)
Expansion $\times Y = -2$	-0.015 (0.018)	0.007 (0.015)	0.010 (0.013)	0.000 (0.022)	0.007 (0.009)	-0.02 (0.020)	-0.014 (0.017)	0.032* (0.017)	0.027 (0.024)	-0.001 (0.022)	0.012 (0.057)	0.062** (0.027)
Expansion $\times Y = -3$	-0.005 (0.018)	-0.013 (0.015)	0.019 (0.016)	-0.013 (0.029)	0.004 (0.011)	-0.022 (0.019)	-0.012 (0.025)	0.000 (0.021)	0.054 (0.035)	0.010 (0.034)	-0.031 (0.071)	0.085** (0.038)
Expansion $\times Y = -4$	0.004 (0.035)	0.018 (0.020)	-0.014 (0.016)	0.021 (0.043)	0.010 (0.018)	0.001 (0.038)	0.023 (0.028)	0.031 (0.028)				
Mean	0.3037	0.3251	0.2821	0.5968	0.1107	0.3182	0.2074	0.2061	0.4946	0.7681	0.4486	0.2009
Pre-mean, expansion states	0.336	0.3054	0.2617	0.5872	0.1116	0.3222	0.191	0.2025	0.4511	0.7537	0.453	0.1728
N	73,795	73,795	73,795	37,610	74,778	37,581	37,590	37,627	27,558	27,972	5,698	10,097

Event study coefficients associated with Equation (1). Robust standard errors clustered at the state level reported in parentheses. See text for details. Significance levels: \* = 0.1, \*\* = 0.05, \*\*\* = 0.001.

Table A.2: Changes in Access to Care and Financial Strain Among Low-Income Adults in States with Medicaid Expansions

	Access to health services					Financial strain					Wait time	
	Needed follow-up care, but could not afford, past 12m	Needed to see specialist, but could not afford, past 12m	Needed medical care, but could not afford, past 12m	Delayed medical care because of cost, past 12m	Had a usual place to receive health care	Worried about ability to pay medical bills	Currently have medical bills unable to pay	Problems paying medical bills, past 12m	Delayed care due to appt wait, past 12m	Delayed care due to office wait, past 12m		
Expansion $\times Y = 4$	-0.038** (0.016)	-0.026 (0.017)	-0.055*** (0.015)	-0.056*** (0.013)	0.022 (0.025)	-0.096*** (0.026)	-0.031 (0.020)	-0.071*** (0.024)	0.022 (0.019)	0.018* (0.010)		
Expansion $\times Y = 3$	-0.019* (0.011)	-0.030** (0.013)	-0.050*** (0.013)	-0.060*** (0.012)	0.044* (0.023)	-0.074** (0.034)	-0.061*** (0.021)	-0.071*** (0.019)	0.008 (0.011)	0.011 (0.011)		
Expansion $\times Y = 2$	-0.031*** (0.010)	-0.023** (0.011)	-0.036*** (0.013)	-0.031** (0.012)	0.004 (0.029)	-0.081*** (0.022)	-0.034* (0.018)	-0.052** (0.020)	0.014 (0.010)	0.029*** (0.009)		
Expansion $\times Y = 1$	0.003 (0.010)	-0.004 (0.009)	-0.020** (0.010)	-0.004 (0.009)	-0.014 (0.019)	-0.039* (0.021)	-0.011 (0.014)	-0.010 (0.019)	0.018 (0.011)	0.022** (0.009)		
Expansion $\times Y = -1$	-0.007 (0.012)	-0.004 (0.017)	0.008 (0.011)	0.007 (0.009)	-0.013 (0.017)	-0.003 (0.017)	0.019 (0.013)	0.013 (0.015)	-0.006 (0.012)	0.006 (0.011)		
Expansion $\times Y = -2$	-0.012 (0.012)	-0.001 (0.014)	-0.006 (0.009)	-0.002 (0.012)	0.010 (0.019)	-0.009 (0.026)	0.004 (0.013)	-0.011 (0.016)	0.003 (0.012)	0.007 (0.009)		
Expansion $\times Y = -3$	-0.010 (0.017)	0.008 (0.016)	-0.018 (0.013)	-0.019 (0.016)	0.008 (0.025)	-0.004 (0.030)	-0.022 (0.022)	-0.051*** (0.017)	-0.012 (0.012)	0.001 (0.013)		
Expansion $\times Y = -4$			0.003 (0.017)	-0.009 (0.027)	0.003 (0.039)				0.003 (0.012)	0.015 (0.016)		
Mean	0.0975	0.10777	0.1705	0.1904	0.7618	0.5876	0.2114	0.3049	0.0792	0.064		
Pre-mean, expansion states	0.1106	0.1184	0.1872	0.2113	0.7541	0.6186	0.2183	0.3217	0.0789	0.063		
N	33,688	33,682	74,786	74,810	37,830	33,622	66,176	66,230	37,770	37,767		

Event study coefficients associated with Equation (1). Robust standard errors clustered at the state level reported in parentheses. See text for details. Significance levels: \* $\leq 0.1$ , \*\* $\leq 0.05$ , \*\*\* $\leq 0.001$ .

Table A.3: Changes in Diagnoses and Health Status Among Low-Income Adults in States with Medicaid Expansions

	Diagnoses of health conditions		Health status and mental health	
	Ever received a diabetes diagnosis	Ever received a hypertension diagnosis	Excellent or very good health	Depression mentioned as health problem
Expansion $\times$ Y = 4	-0.003 (0.017)	-0.045** (0.020)	-0.021 (0.023)	0.008 (0.014)
Expansion $\times$ Y = 3	0.007 (0.010)	0.005 (0.019)	-0.014 (0.018)	-0.001 (0.012)
Expansion $\times$ Y = 2	0.015 (0.011)	-0.023 (0.021)	-0.029 (0.021)	0.000 (0.011)
Expansion $\times$ Y = 1	0.014 (0.009)	-0.013 (0.016)	-0.025 (0.019)	0.004 (0.008)
Expansion $\times$ Y = -1	-0.010 (0.009)	-0.023 (0.023)	0.000 (0.017)	0.001 (0.012)
Expansion $\times$ Y = -2	0.007 (0.010)	-0.011 (0.019)	-0.009 (0.016)	0.015* (0.008)
Expansion $\times$ Y = -3	-0.006 (0.009)	-0.055*** (0.019)	0.006 (0.018)	0.007 (0.013)
Expansion $\times$ Y = -4	0.007 (0.017)	-0.030 (0.026)	-0.036 (0.026)	0.004 (0.013)
Mean	0.0959	0.28	0.4578	0.0652
Pre-mean, expansion states	0.0869	0.2613	0.4622	0.0730
N	38,160	38,132	74,805	38,039

Event study coefficients associated with Equation (1). Robust standard errors clustered at the state level reported in parentheses. See text for details. Significance levels: \*=0.1, \*\*=0.05, \*\*\*=0.001.