

Appendix for “Do Elections Make You Sick?”

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Table A1. Coefficient estimates from two-part model for all health care services.

Variable	Probit model on use (0/1)		OLS on log(expense) for users	
	Coefficient	S.E	Coefficient	S.E
Vote	0.090 ***	0.025	0.014 **	0.006
Age-20	-0.013 ***	0.003	0.001	0.002
(Age-20) ²	0.000 ***	0.000	0.000	0.000
(Age-20) ³	0.000 ***	0.000	0.000 **	0.000
(Age-20)*Vote	0.012 ***	0.004	-0.003	0.003
(Age-20) ² *Vote	0.000 ***	0.000	0.000 *	0.000
(Age-20) ³ *Vote	0.000 *	0.000	0.000	0.000
Male	-0.196 ***	0.009	0.050 ***	0.006
Gov. insurance	0.047	0.032	-0.112 ***	0.035
Farmer insurance	0.149 ***	0.031	-0.039	0.048
Worker insurance	0.026 ***	0.009	-0.090 ***	0.011
Income1	0.017 **	0.008	0.061 ***	0.009
Income2	0.048 ***	0.012	0.055 ***	0.015
Income3	0.034 **	0.014	0.021	0.018
Income4	-0.012	0.015	0.047 ***	0.017
Hospital	0.029	0.064	0.173 **	0.070
Clinics	0.007 *	0.004	-0.006	0.006
Bed	0.000	0.000	0.000	0.000
Personnel	0.000 *	0.000	0.000	0.000
Population	0.013	0.019	-0.012	0.028
CO	-0.106	0.247	-0.001	0.338
NO2	0.479 **	0.245	0.105 *	0.537
PM	0.425 ***	0.148	-0.033	0.219
Year 2012	0.053 ***	0.012	0.037 **	0.018
Year 2009	0.077 ***	0.011	0.041 **	0.016
Year 2008	0.021 ***	0.008	0.047 ***	0.013
Fourth week before election	0.101 ***	0.006	-0.172 ***	0.008
Third week before election	0.123 ***	0.006	-0.138 ***	0.008
Second week before election	0.088 ***	0.005	-0.138 ***	0.006
Constant	-1.362 ***	0.084	4.736 ***	0.122
Township Fixed Effects	Yes		Yes	
N*T	932,129		131,919	

Notes: Standard errors are cluster-corrected at the birth month level. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

Table A2. Marginal effect estimates of week indicators for an ordinary two-part model of mental health care expenditure during presidential elections.

Week to election date	Eligible to vote (Age 20-25)			Not eligible (Age 15-19)		
	Mar. Eff.	S.E.	%	Mar. Eff.	S.E.	%
Fifth week before (baseline)	-	-	-	-	-	-
Fourth week before	0.658 **	0.303	2.2%	0.131	0.197	0.6%
Third week before	-0.647 *	0.365	-2.2%	-0.051	0.191	-0.2%
Second week before	0.005	0.346	0.02%	0.317 *	0.197	1.4%
First week before	0.008	0.322	0.03%	0.304 *	0.172	1.4%
First week after	-0.012	0.351	-0.04%	0.076	0.191	0.3%

Notes: Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

Table A3. Marginal effect estimates of health care utilization for different age bandwidths.

Bandwidth	Age 15-25 (baseline)						Age 16-24					
	Use (0/1)			Expense (NT\$/day)			Use (0/1)			Expense (NT\$/day)		
	Mar. Eff.	S.E.	%	Mar. Eff.	S.E.	%	Mar. Eff.	S.E.	%	Mar. Eff.	S.E.	%
Vote	0.020 ***	0.006	14.1%	3.967 ***	1.109	15.3%	0.013 **	0.005	9.4%	2.585 **	1.076	15.0%
N*T	932,129			131,919			736,727			103,505		
	Age 17-23						Age 18-22					
Vote	0.019 ***	0.005	13.6%	1.717 **	0.856	9.9%	0.016 **	0.006	11.8%	1.232 **	0.452	7.0%
N*T	547,076			76,225			365,064			49,750		

Notes: Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

Table A4. Marginal effect estimates of health care utilization using different order polynomials for the running variable.

Polynomial	Third order (baseline)		Second order		First order							
	Use (0/1)	Expense (NT\$/day)	Use (0/1)	Expense (NT\$/day)	Use (0/1)	Expense (NT\$/day)						
	Mar. Eff.	Mar. Eff.	Mar. Eff.	Mar. Eff.	Mar. Eff.	Mar. Eff.						
Vote	0.020 ***	0.006	3.967 ***	1.109	0.022 ***	0.007	3.778 ***	1.294	0.022 ***	0.007	3.606 ***	1.202
N*T	932,129		131,919		932,129		131,919		932,129		131,919	

Notes: Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

Table A5. Marginal effect estimates of health care utilization using different age cutoffs.

Cutoff	Use Age 20 (baseline)				Use Age 19				Use Age 18			
	Use (0/1)		Expense (NT\$/day)		Use (0/1)		Expense (NT\$/day)		Use (0/1)		Expense (NT\$/day)	
	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.
Vote	0.020 ***	0.006	3.967 ***	1.109	0.002	0.009	2.205	1.990	0.008	0.021	4.318	3.812
N*T	932,129		131,919		932,129		131,919		932,129		131,919	
Cutoff	Use Age 21				Use Age 22				Use Age 23			
	Use (0/1)		Expense (NT\$/day)		Use (0/1)		Expense (NT\$/day)		Use (0/1)		Expense (NT\$/day)	
	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.	Mar. Eff.	S.E.
Vote	0.070	0.096	2.780	2.165	0.157	0.227	3.489	2.873	0.129	0.400	6.994	6.038
N*T	932,129		131,919		932,129		131,919		932,129		131,919	

Notes: Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

Table A6. Marginal effect estimates of the election campaign period on total health care utilization by voter eligibility.

	Age \geq 20			
	Use (0/1)		Expense (NT\$/day)	
	Mar. Eff.	S.E.	Mar. Eff.	S.E.
Campaign period ^{#1}	0.012 **	0.004	3.179 ***	0.274
N*T	524,008		79,101	
	Age<20			
	Use (0/1)		Expense (NT\$/day)	
	Mar. Eff.	S.E.	Mar. Eff.	S.E.
Campaign period ^{#1}	0.002	0.002	0.493	0.419
N*T	612,801		85,416	

Notes: Models are estimated using the eight weeks prior to the 2008 presidential election. Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1. ***, **, * indicate statistical significance at the 1%, 5% and 10% level.

^{#1} *Campaign period* is equal to 1 during the 4 weeks prior to the election (the campaign period) and is equal to 0 for weeks 5 – 8 prior to the election.

Table A7. Marginal effect estimates of health care utilization using sample of townships *without* a mayoral election.

	Use (0/1)		Expense (NT\$/day)	
	Mar. Eff.	S.E.	Mar. Eff.	S.E.
Vote	0.008	0.006	0.777	1.835
N*T	918,638		145,971	

Notes: Standard errors are cluster-corrected at the birth month level. The *unconditional* marginal effects for health care expenditure are reported in 2005 NT\$. Marginal effects in percentage terms are calculated using the sample mean of the dependent variable. All models include year, week and township fixed-effects and the set of control variables reported in Table 1.

Figure A1. RD plots for outpatient service use and expenditure.

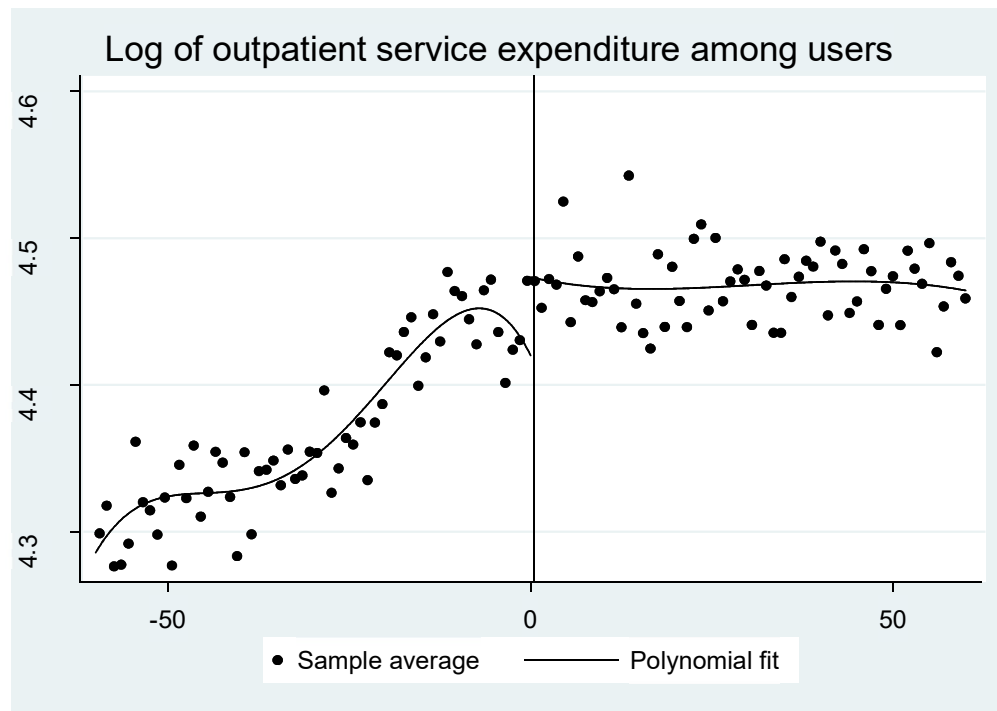
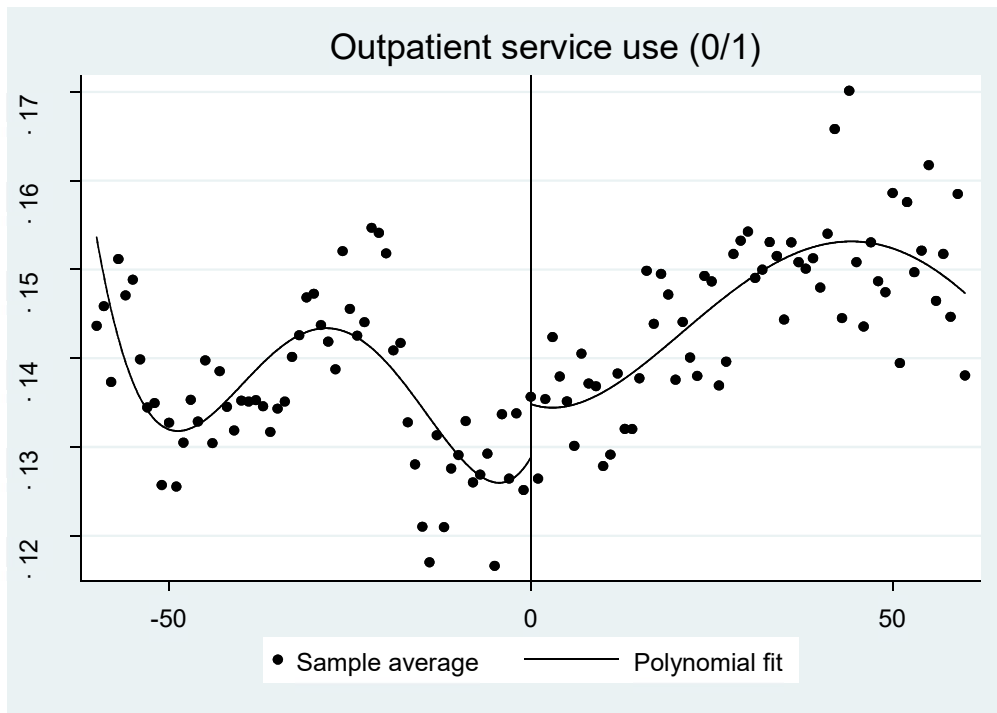


Figure A2. RD plot for prescription drug use and expenditure.

