

Article title: Household Out-of-Pocket Spending on Medicines in Poland: Modest and Unequal Effects of the Medicines 75+ Program

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Supplementary file 4. The Difference-in-Differences Analysis With Kernel Propensity Score Matching: Annual Per Capita Spending on Medicines

Table S4.1. The results of the DID analysis with the kernel propensity-score matching: all consumption quintiles.

Number of observations					
Group		Before	After	Total	
Control		20,151	18,857	39,008	
Treated		12,847	9,840	22,687	
Total		32,998	28,697	61,695	
Estimation results					
Period	Group	Mean	S. Err.	t	P> t
Before	Control	930.606			
	Treated	1283.202			
	Diff (T–C)	352.596	12.306	28.65	0.000***
After	Control	951.539			
	Treated	1220.995			
	Diff (T–C)	269.457	14.061	19.16	0.000***
	Diff-in-Diff	–83.140	18.686	4.45	0.000***
R-square: 0.02					
* Means and Standard Errors are estimated by linear regression					
** Inference: *** p<0.01: ** p<0.05: * p<0.1					

Table S4.2. The results of the DID analysis with the kernel propensity-score matching: 1st consumption quintile.

Number of observations					
Group		Before	After	Total	
Control		3,450	3,420	6,870	
Treated		2,671	2,426	5,097	
Total		6,121	5,846	11,967	
Estimation results					
Period	Group	Mean	S. Err.	t	P> t
Before	Control	472.856			
	Treated	641.544			
	Diff (T–C)	168.688	16.165	10.44	0.000***
After	Control	493.413			
	Treated	649.404			
	Diff (T–C)	155.991	16.961	9.2	0.000***
	Diff-in-Diff	–12.697	23.43	0.54	0.588
R-square: 0.02					
Means and Standard Errors are estimated by linear regression					
Inference: *** p<0.01; ** p<0.05; * p<0.1					

Table S4.3. The results of the DID analysis with the kernel propensity-score matching: 2nd consumption quintile.

Number of observations					
Group		Before	After	Total	
Control		4,267	4,017	8,284	
Treated		2,975	2,288	5,263	
Total		7,242	6,305	13,547	
Estimation results					
Period	Group	Mean	Std. Error	t	P> t
Before	Control	772.965			
	Treated	1062.027			
	Diff (T-C)	289.062	19.172	15.08	0.000 ***
After	Control	796.844			
	Treated	998.979			
	Diff (T-C)	202.134	21.862	9.25	0.000 ***
	Diff-in-Diff	-86.927	29.078	2.99	0.003 ***
R-square: 0.02					
* Means and Standard Errors are estimated by linear regression					
Inference: * p<0.01; ** p<0.05; * p<0.1					

Table S4.4. The results of the DID analysis with the kernel propensity-score matching: 3rd consumption quintile.

Number of observations					
Group		Before	After	Total	
Control		4,444	4,134	8,578	
Treated		2,916	2,199	5,115	
Total		7,360	6,333	13,693	
Estimation results					
Period	Group	Mean	S. Err.	t	P> t
Before	Control	965.088			
	Treated	1334.564			
	Diff (T–C)	369.476	23.15	15.96	0.000***
After	Control	1004.2			
	Treated	1336.376			
	Diff (T–C)	332.176	26.658	12.46	0.000***
	Diff-in-Diff	–37.300	35.307	1.06	0.291
R-squared: 0.03					
* Means and standard errors are estimated by linear regression					
** Inference: *** p<0.01; ** p<0.05; * p<0.1					

Table S4.5. The results of the DID analysis with the kernel propensity-score matching: 4th consumption quintile.

Number of observations					
Group		Before	After	Total	
Control		4,365	3,944	8,309	
Treated		2,575	1,763	4,338	
Total		6,940	5,707	12,647	
Estimation results					
Period	Group	Mean	S. Err.	t	P> t
Before	Control	1157.565			
	Treated	1641.152			
	Diff (T–C)	483.587	28.785	16.8	0.000***
After	Control	1215.408			
	Treated	1658.38			
	Diff (T–C)	442.972	34.788	12.73	0.000***
	Diff-in-Diff	–40.615	45.153	0.9	0.368
R-squared: 0.03					
* Means and standard errors are estimated by linear regression					
** Inference: *** p<0.01; ** p<0.05; * p<0.1					

Table S4.6. The results of the DID analysis with the kernel propensity-score matching: 5th consumption quintile.

Number of observations					
Group		Before	After	Total	
Control		3,625	3,342	6,967	
Treated		1,710	1,164	2,874	
Total		5,335	4,506	9,841	
Estimation results					
Period	Group	Mean	S. Err.	t	P> t
Before	Control	1398.483			
	Treated	2070.213			
	Diff (T–C)	671.73	44.467	15.11	0.000***
After	Control	1501.593			
	Treated	1968.267			
	Diff (T–C)	466.674	53.896	8.66	0.000***
	Diff-in-Diff	–205.056	69.872	2.93	0.003***
R-squared: 0.03					
* Means and standard errors are estimated by linear regression					
** Inference: *** p<0.01; ** p<0.05; * p<0.1					