

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 5. The Difference-in-Differences Analysis of the Share of Household Consumption Spent on Medicines

Table S5.1. Descriptive statistics of the sample included in the difference-in-differences analysis.

	Treatment (age 75-85) N= 22,687		Control (age 65-74) N= 39,008	
	Pre-intervention	Post-intervention	Pre-intervention	Post-intervention
Number of households	12,847	9,840	20,151	18,857
Year 1 (2013)	3,193		4,542	
Year 2 (2014)	3,189		4,798	
Year 3 (2015)	3,225		5,137	
Year 4 (2016)	3,240		5,674	
Year 5 (2017)		3,333		5,868
Year 6 (2018)		3,252		6,306
Year 7 (2019)		3,255		6,683
1st quintile	2,671	2,426	3,450	3,420
2nd quintile	2,975	2,288	4,267	4,017
3rd quintile	2,916	2,199	4,444	4,134
4th quintile	2,575	1,763	4,365	3,944
5th quintile	1,710	1,164	3,625	3,342
Household annual spending on medicines as a share of household	9.25 (7.95)	8.32 (7.62)	6.37 (6.35)	6.11 (6.12)

consumption, mean (SD)				
Year 1 (2013)	9.63 (8.19)		6.76 (6.85)	
Year 2 (2014)	9.13 (7.80)		6.37 (6.31)	
Year 3 (2015)	9.30 (8.03)		6.27 (6.21)	
Year 4 (2016)	8.97 (7.76)		6.16 (6.06)	
Year 5 (2017)		8.25 (7.49)		5.92 (6.00)
Year 6 (2018)		8.31 (7.69)		6.21 (6.11)
Year 7 (2019)		8.39 (7.68)		6.18 (6.23)
1st quintile	9.10 (9.16)	8.32 (8.51)	6.40 (7.57)	5.95 (6.83)
2nd quintile	10.06 (8.32)	8.59 (7.53)	7.06 (6.88)	6.74 (6.51)
3rd quintile	9.73 (7.63)	8.87 (7.42)	6.91 (6.24)	6.54 (6.15)
4th quintile	9.12 (7.21)	8.44 (7.19)	6.38 (5.67)	6.22 (5.80)
5th quintile	7.48 (6.45)	6.55 (6.50)	4.88 (4.91)	4.86 (4.86)

Table S5.2. The effects of the Medicines 75+ program on the share of household consumption spent on medicines: results from the difference-in-differences analysis.

	Coeff. (Robust st. error)	95% conf. interval
ATET	-0.61*** (0.10)	[-0.82, -0.39]
1st quintile	-0.31 (0.28)	[-0.90, 0.28]
2nd quintile	-1.10*** (0.22)	[-1.56, -0.65]
3rd quintile	-0.36* (0.14)	[-0.64, -0.08]
4th quintile	-0.40 (0.31)	[-1.04, 0.25]
5th quintile	-0.78*** (0.18)	[-1.16, -0.40]
Heterogeneous DiD analysis – ATET		
Year 5 (2017)	-0.56** (0.18)	[-0.93, -0.19]
Year 6 (2018)	-0.74*** (0.16)	[-1.09, -0.40]
Year 7 (2019)	-0.64*** (0.18)	[-1.01, -0.28]
Parallel trends test		
F statistic, Prob>F	0.20, p=0.6615	
1st quintile	1.30, p=0.2669	
2nd quintile	0.03, p=0.8556	
3rd quintile	0.44, p=0.5162	
4th quintile	3.89, p=0.0627	
5th quintile	0.78, p=0.3881	
Observations (N)	61,695	

***p≤0.001, **p≤0.01, *p≤0.05; ATET – Average treatment effect on the treated

Figure S5.1. Graphical analysis of parallel trends: all consumption quintiles.

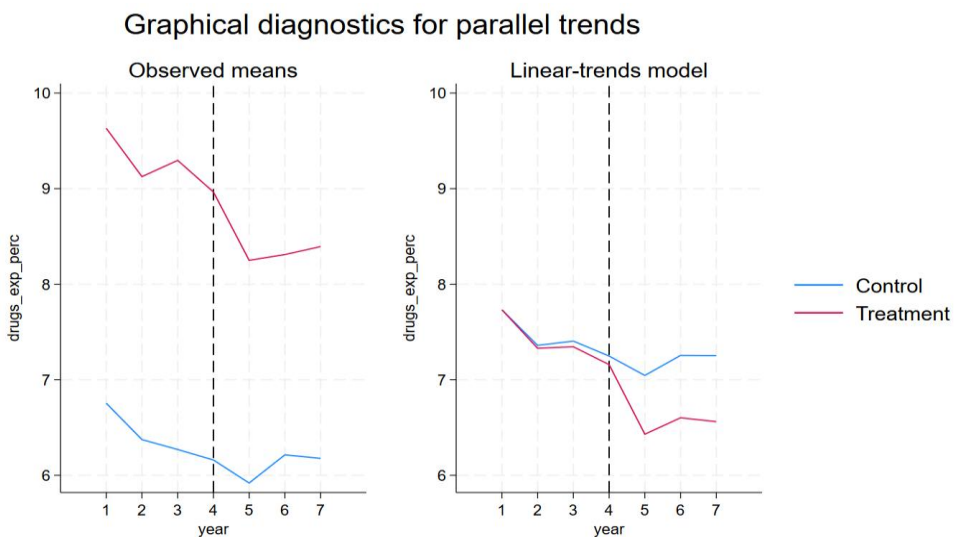


Figure S5.2. Graphical analysis of parallel trends: 1st consumption quintile.

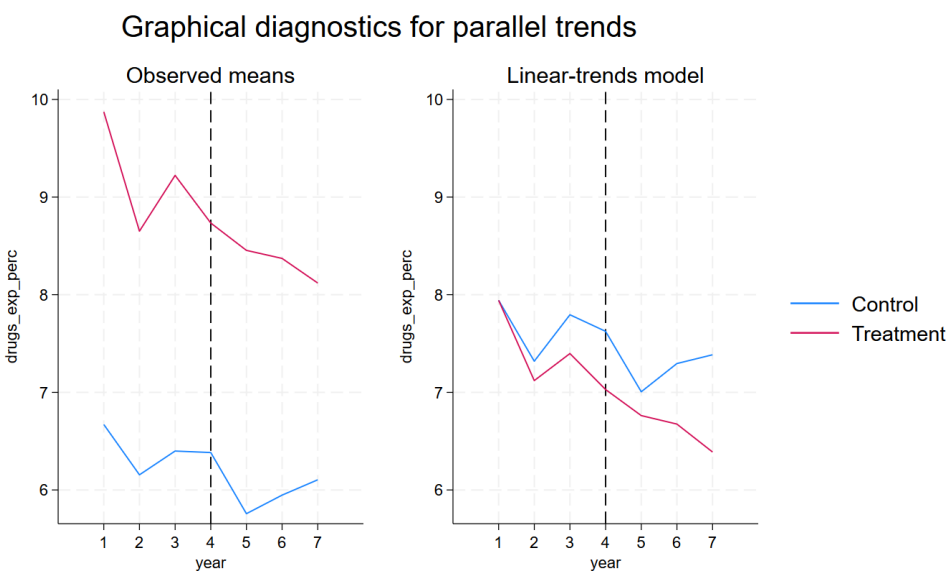


Figure S5.3. Graphical analysis of parallel trends: 2nd consumption quintile.

Graphical diagnostics for parallel trends

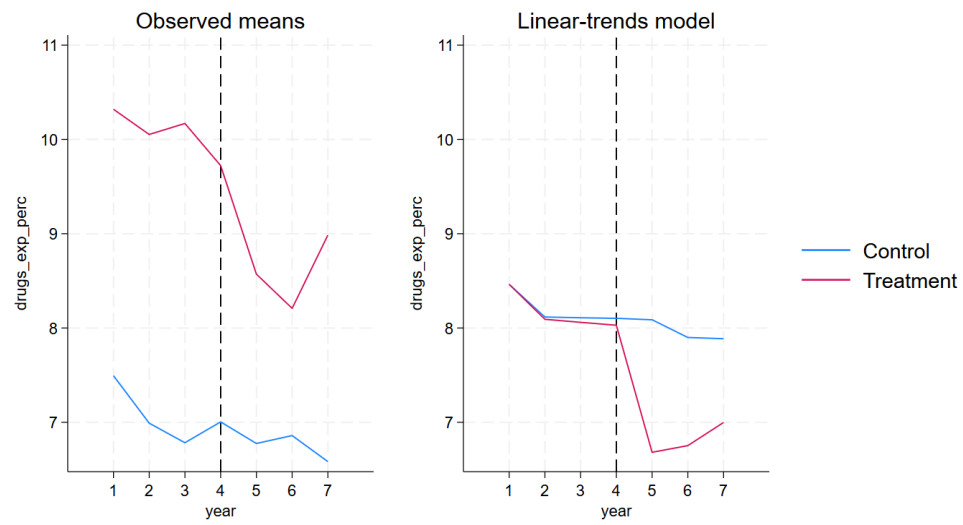


Figure S5.4. Graphical analysis of parallel trends: 3rd consumption quintile

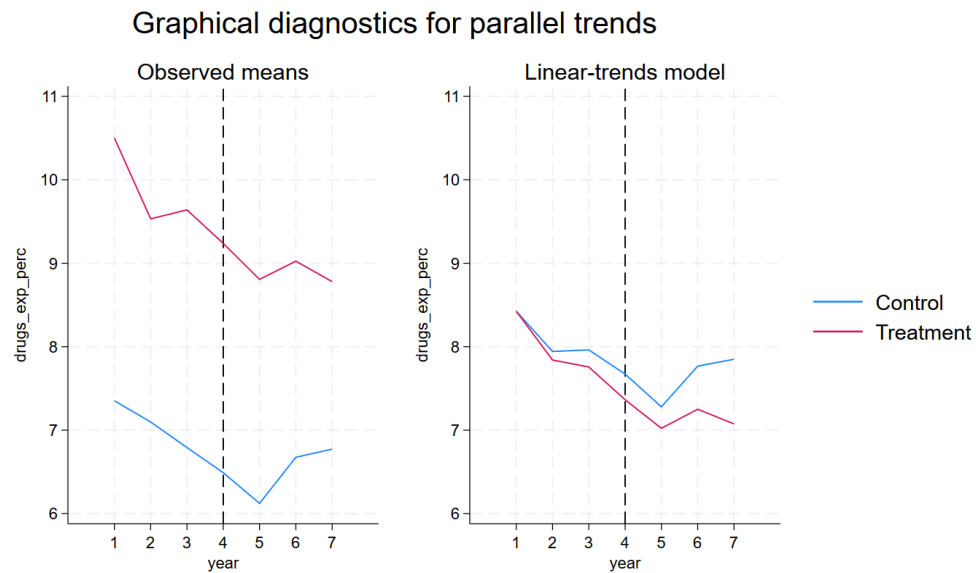


Figure S5.5. Graphical analysis of parallel trends: 4th consumption quintile.

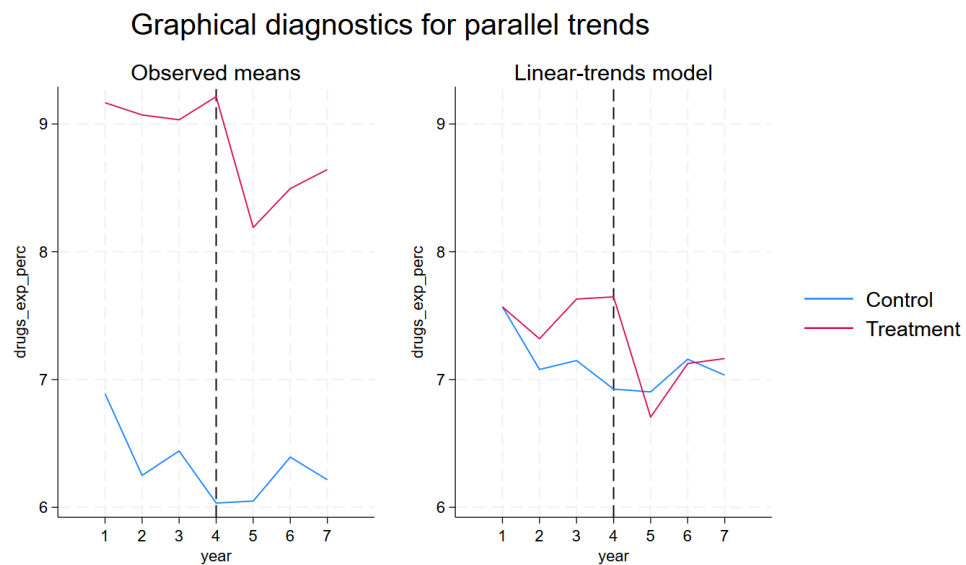


Figure S5.6. Graphical analysis of parallel trends: 5th consumption quintile.

Graphical diagnostics for parallel trends

