

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

Journal name: International Journal of Health Policy and Management (IJHPM)

Authors' information: Marzena Tambor^{1*}, Milena Pavlova², Jorge Alejandro García-Ramírez³

¹Department of Health Economics and Social Security, Institute of Public Health, Faculty of Health Sciences, Jagiellonian University Medical College, Krakow, Poland.

²Department of Health Services Research, Care and Public Health Research Institute (CAPHRI), Faculty of Health, Medicine and Life Sciences, Maastricht University Medical Center, Maastricht University, Maastricht, The Netherlands.

³WHO Barcelona Office for Health Systems Financing, Barcelona, Spain.

***Correspondence to:** Marzena Tambor; Email: marzena.tambor@uj.edu.pl

Citation: Tambor M, Pavlova M, García-Ramírez JA. Household out-of-pocket spending on medicines in Poland: modest and unequal effects of the Medicines 75+ program. Int J Health Policy Manag. 2026;15:9480. doi:[10.34172/ijhpm.9480](https://doi.org/10.34172/ijhpm.9480)

Supplementary file 2. Socio-demographic Characteristics of the Samples Included in the Difference-in-Differences Analysis

Table S2.1. Socio-demographic characteristics: all consumption quintiles.

	Treatment (age 75-85) N=22,687		Control (age 65-74) N=39,008	
	Pre-intervention n=12,847	Post-intervention n=9,840	Pre-intervention n=20,151	Post-intervention n=18,857
Household size, Mean (SD)	1.74 (0.93)	1.64 (0.78)	1.83 (0.93)	1.79 (0.85)
Resident place – urban, %	62.40	64.29	61.60	62.78
Sex – female, %	54.23	52.86	45.17	42.46
Disability, %				
No	78.14	84.77	84.14	87.84
Mild	3.24	2.29	3.68	2.77
Moderate	8.53	6.69	7.20	5.54
Sever	10.09	6.26	4.98	3.85
Children, %				
None	98.02	98.82	96.63	97.55
One or two	1.81	1.13	3.15	2.31
Three and more	0.17	0.05	0.22	0.14
Education, %				
Primary	42.55	34.64	25.77	18.52
Secondary	42.73	48.84	59.07	65.78
Tertiary	14.71	16.51	15.16	15.69
Consumption quintile, %				
1st quintile (poorest)	20.79	24.65	17.12	18.14
2nd	23.16	23.25	21.18	21.30
3rd	22.70	22.35	22.05	21.92

4th	20.04	17.92	21.66	20.92
5th quintile (richest)	13.31	11.83	17.99	17.72

Table S2.2. Socio-demographic characteristics: 1st consumption quintile.

	Treatment (age 75-85) N=5,097		Control (age 65-74) N=6,870	
	Pre-intervention n=2,671	Post-intervention n=2,426	Pre-intervention n=3,450	Post-intervention n=3,420
Household size, Mean (SD)	2.13 (1.25)	1.90 (0.99)	2.19 (1.29)	2.07 (1.11)
Resident place – urban, %	39.87	45.75	42.03	46.58
Sex – female, %	57.39	53.71	47.10	42.11
Disability, %				
No	80.23	85.45	82.81	87.49
Mild	2.51	1.65	4.03	2.60
Moderate	6.44	5.73	7.57	5.03
Sever	10.82	7.17	5.59	4.88
Children, %				
None	94.87	97.49	92.23	94.47
One or two	4.49	2.35	6.96	5.18
Three and more	0.64	0.16	0.81	0.35
Education, %				
Primary	67.20	55.23	47.33	36.23
Secondary	30.48	39.57	49.48	59.85
Tertiary	2.32	5.19	3.19	3.92

Table S2.3. Socio-demographic characteristics: 2nd consumption quintile.

	Treatment (age 75-85) N=5,263		Control (age 65-74) N=8,284	
	Pre-intervention n=2,975	Post-intervention n=2,288	Pre-intervention n=4,267	Post-intervention n=4,017
Household size, Mean (SD)	1.76 (0.93)	1.63 (0.76)	1.84 (0.97)	1.78 (0.89)
Resident place – urban, %	57.82	63.59	56.67	59.55
Sex – female, %	55.70	53.67	46.61	45.68
Disability, %				
No	78.32	86.63	83.97	86.68
Mild	3.29	2.32	3.45	2.69
Moderate	7.83	4.85	7.15	6.17
Sever	10.55	6.21	5.44	4.46
Children, %				
None	98.12	98.86	96.13	97.39
One or two	1.71	1.09	3.63	2.34
Three and more	0.17	0.04	0.23	0.27
Education, %				
Primary	53.11	40.69	34.47	23.50
Secondary	39.83	49.17	59.85	68.81
Tertiary	7.06	10.14	5.67	7.69

Table S2.4. Socio-demographic characteristics: 3rd consumption quintile.

	Treatment (age 75-85) N=5,115		Control (age 65-74) N= 8,578	
	Pre-intervention n=2,916	Post-intervention n= 2,199	Pre-intervention n=4,444	Post-intervention n=4,134
Household size, Mean (SD)	1.64 (0.81)	1.52 (0.68)	1.75 (0.85)	1.71 (0.77)
Resident place – urban, %	69.48	70.85	64.06	65.12
Sex – female, %	54.80	55.71	46.24	43.59
Disability, %				
No	77.88	83.77	84.47	87.88
Mild	3.16	2.59	3.44	2.81
Moderate	9.22	7.46	6.77	5.95
Sever	9.74	6.18	5.31	3.36
Children, %				
None	98.90	99.14	97.19	98.28
One or two	1.10	0.86	2.70	1.69
Three and more	0.00	0.00	0.11	0.02
Education, %				
Primary	38.96	28.60	24.37	16.67
Secondary	47.63	55.48	65.44	71.75
Tertiary	13.41	15.92	10.19	11.59

Table S2.5. Socio-demographic characteristics: 4th consumption quintile.

	Treatment (age 75-85) N=4,338		Control (age 65-74) N=8,309	
	Pre-intervention n=2,575	Post-intervention n=1,763	Pre-intervention n=4,365	Post-intervention n=3,944
Household size, Mean (SD)	1.56 (0.70)	1.52 (0.61)	1.71 (0.74)	1.69 (0.71)
Resident place – urban, %	73.86	75.10	69.97	70.06
Sex – female, %	52.62	50.43	44.81	41.76
Disability, %				
No	76.74	83.49	83.83	88.06
Mild	3.22	2.89	3.99	2.61
Moderate	9.86	8.17	7.26	5.70
Sever	10.17	5.45	4.93	3.63
Children, %				
None	99.30	99.60	98.19	98.58
One or two	0.70	0.40	1.81	1.39
Three and more	0.00	0.00	0.00	0.03
Education, %				
Primary	26.25	19.80	16.06	11.05
Secondary	52.35	56.10	65.25	69.45
Tertiary	21.40	24.11	18.69	19.50

Table S2.6. Socio-demographic characteristics: 5th consumption quintile.

	Treatment (age 75-85) N=2,874		Control (age 65-74) N=6,967	
	Pre-intervention n=1,710	Post-intervention n=1,164	Pre-intervention n=3,625	Post-intervention n=3,342

Household size, Mean (SD)	1.53 (0.65)	1.50 (0.59)	1.70 (0.66)	1.72 (0.69)
Resident place – urban, %	76.26	75.52	72.97	71.75
Sex – female, %	48.19	47.77	40.74	38.39
Disability, %				
No	77.13	83.51	85.57	89.29
Mild	4.44	2.06	3.53	3.17
Moderate	9.82	8.59	7.37	4.61
Sever	8.60	5.84	3.53	2.93
Children, %				
None	99.36	99.74	98.81	98.77
One or two	0.64	0.26	1.13	1.20
Three and more	0.00	0.00	0.06	0.03
Education, %				
Primary	16.37	13.75	8.41	5.54
Secondary	44.09	43.99	52.06	56.52
Tertiary	39.53	42.27	39.53	37.94
