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**Working Paper**

## Social Assistance and Mental Health: Evidence from Longitudinal Data on Pharmaceutical Consumption

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ONLINE APPENDIX

TABLE A1: POOLED OLS REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR, INCLUDING CONTROLS FOR EARLIER PSYCHOPHARMACA CONSUMPTION. *WOMEN* (n=839,593)

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.0693*** (0.00619)	0.0623*** (0.00571)	0.0190*** (0.00337)	0.00323 (0.00266)
- Antidepressants(t+1) (N06A)	0.0870*** (0.00549)	0.0969*** (0.00546)	0.0313*** (0.00405)	0.0170*** (0.00378)
- Anxiolytics(t+1) (N05B)	0.0625*** (0.00459)	0.0358*** (0.00427)	0.0194*** (0.00371)	0.0134*** (0.00360)
- Hypnotics(t+1) (N05C)	0.0209*** (0.00509)	0.0417*** (0.00471)	0.0134*** (0.00379)	0.00364 (0.00365)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column. Columns 3-4 include controls for earlier consumption of any of the three psychopharmaca types; psychopharmaca(t-1) and psychopharmaca(t), respectively. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A2: POOLED OLS REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR, INCLUDING CONTROLS FOR EARLIER PSYCHOPHARMACA CONSUMPTION. MEN (n=708,646)

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.106*** (0.00609)	0.0764*** (0.00566)	0.0298*** (0.00340)	0.0107*** (0.00265)
- Antidepressants(t+1) (N06A)	0.0764*** (0.00482)	0.0475*** (0.00450)	0.0210*** (0.00357)	0.00944*** (0.00331)
- Anxiolytics(t+1) (N05B)	0.0567*** (0.00414)	0.0338*** (0.00392)	0.0181*** (0.00341)	0.0113*** (0.00328)
- Hypnotics(t+1) (N05C)	0.0589*** (0.00499)	0.0476*** (0.00459)	0.0188*** (0.00361)	0.00756** (0.00339)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column. Columns 3-4 include controls for earlier consumption of any of the three psychopharmaca types; psychopharmaca(t-1) and psychopharmaca(t), respectively. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A3: FIXED EFFECT (FE) REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T, INCLUDING CONTROLS FOR EARLIER CONSUMPTION OF PSYCHOPHARMACA. WOMEN (n=839,593).

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.00259 (0.00373)	0.00533 (0.00375)	0.00547 (0.00375)	0.00142 (0.00357)
– Antidepressants(t+1) (N06A)	0.00377 (0.00339)	0.00541 (0.00342)	0.00500 (0.00341)	0.00161 (0.00331)
– Anxiolytics(t+1) (N05B)	0.00205 (0.00311)	0.00318 (0.00312)	0.00346 (0.00313)	0.00267 (0.00311)
– Hypnotics(t+1) (N05C)	0.00421 (0.00312)	0.00562* (0.00314)	0.00555* (0.00314)	0.00363 (0.00310)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column. All specifications include individual fixed effects. Columns 3-4 include controls for earlier consumption of any of the three psychopharmaca types; psychopharmaca(t-1) and psychopharmaca(t), respectively. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A4: FIXED EFFECT (FE) REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T, INCLUDING CONTROLS FOR EARLIER CONSUMPTION OF PSYCHOPHARMACA. MEN (n=708,646).

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.0131*** (0.00368)	0.0155*** (0.00369)	0.0157*** (0.00369)	0.0104*** (0.00350)
– Antidepressants(t+1) (N06A)	0.00835*** (0.00314)	0.00964*** (0.00316)	0.00912*** (0.00315)	0.00494 (0.00305)
– Anxiolytics(t+1) (N05B)	4.61e-05 (0.00291)	0.000618 (0.00292)	0.000942 (0.00292)	-0.000209 (0.00290)
– Hypnotics(t+1) (N05C)	0.00517* (0.00307)	0.00628** (0.00309)	0.00633** (0.00309)	0.00361 (0.00303)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column. All specifications include individual fixed effects. Columns 3-4 include controls for earlier consumption of any of the three psychopharmaca types; psychopharmaca(t-1) and psychopharmaca(t), respectively. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A5: POOLED OLS REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T. *WOMEN* (n=445,979)

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.164*** (0.00692)	0.0703*** (0.00645)	0.0794*** (0.00608)	0.0770*** (0.00602)
– Antidepressants(t+1) (N06A)	0.124*** (0.00625)	0.0498*** (0.00586)	0.0554*** (0.00560)	0.0529*** (0.00554)
– Anxiolytics(t+1) (N05B)	0.103*** (0.00520)	0.0437*** (0.00485)	0.0458*** (0.00467)	0.0440*** (0.00463)
– Hypnotics(t+1) (N05C)	0.0932*** (0.00567)	0.0467*** (0.00530)	0.0507*** (0.00508)	0.0487*** (0.00502)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column for women 25-64 years of age. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A6: POOLED OLS REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T. MEN (n=401,847)

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.173*** (0.00710)	0.0938*** (0.00660)	0.0964*** (0.00628)	0.0915*** (0.00619)
– Antidepressants(t+1) (N06A)	0.105*** (0.00574)	0.0583*** (0.00537)	0.0586*** (0.00516)	0.0541*** (0.00506)
– Anxiolytics(t+1) (N05B)	0.0814*** (0.00492)	0.0413*** (0.00465)	0.0422*** (0.00454)	0.0396*** (0.00451)
– Hypnotics(t+1) (N05C)	0.108*** (0.00582)	0.0608*** (0.00535)	0.0620*** (0.00521)	0.0587*** (0.00516)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column for men 25-64 years of age. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.

TABLE A7: FIXED EFFECT (FE) REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T. WOMEN (n=445,979).

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.00610 (0.00431)	0.00729* (0.00434)	0.00675 (0.00434)	0.00661 (0.00432)
– Antidepressants(t+1) (N06A)	0.00538 (0.00391)	0.00573 (0.00395)	0.00518 (0.00394)	0.00489 (0.00392)
– Anxiolytics(t+1) (N05B)	0.00197 (0.00354)	0.00225 (0.00356)	0.00215 (0.00356)	0.00194 (0.00355)
– Hypnotics(t+1) (N05C)	0.00542 (0.00366)	0.00622* (0.00368)	0.00599 (0.00368)	0.00585 (0.00367)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column for women 25-64 years of age. All specifications include individual fixed effects. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.



TABLE A8: FIXED EFFECT (FE) REGRESSIONS OF MENTAL HEALTH PROBLEMS IN YEAR t+1 ON SAB IN YEAR T. MEN (n=401,847).

Dependent variable	1	2	3	4
Psychopharmaca(t+1)	0.0155*** (0.00431)	0.0165*** (0.00433)	0.0163*** (0.00433)	0.0158*** (0.00431)
– Antidepressants(t+1) (N06A)	0.0101*** (0.00377)	0.0105*** (0.00379)	0.0103*** (0.00378)	0.00974*** (0.00376)
– Anxiolytics(t+1) (N05B)	-0.000630 (0.00348)	-0.000793 (0.00351)	-0.000944 (0.00350)	-0.00122 (0.00349)
– Hypnotics(t+1) (N05C)	0.00561 (0.00355)	0.00582 (0.00357)	0.00583 (0.00356)	0.00545 (0.00355)
<i>Background variables</i>	No	Yes	Yes	Yes
<i>Lagged health</i>	No	No	Yes	Yes
<i>Current health</i>	No	No	No	Yes

The table shows the estimated correlations between SAB in year t and the dependent variables in the leftmost column for men 25-64 years of age. All specifications include individual fixed effects. Standard errors clustered by individual in parentheses. \*\*\* p<0.01, \*\* p<0.05, \* p<0.1.