**Supplemental Information**

This is the supplemental information for Bakgaard, Martin, Pamela Herd, and Donald P. Moynihan: “Of “Welfare Queens” and “Poor Carinas”: Social Constructions, Deservingness Messaging, and the Mental Health of Welfare Clients”, published in British Journal of Political Science

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*Figure S1: Trends in antidepressant recipience. Treatment and placebo groups.*



*Table S1: Interrupted time series analysis (change in trend not accounted for). Random effects logistic regression.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) |
|  |  |  |  |  |
| After Interview/cutoff | 0.082\*\*\* | 0.082\*\*\* | 0.082\*\*\* | 0.095\*\*\* |
|  | (0.011) | (0.011) | (0.011) | (0.011) |
|  |  |  |  |  |
| Female | 0.282\*\*\* | 0.266\*\*\* | 0.254\*\*\* | 0.088\*\*\* |
|  | (0.020) | (0.020) | (0.020) | (0.020) |
|  |  |  |  |  |
| Age | 0.003\*\*\* | 0.003\*\* | -0.001 | -0.004\*\*\* |
|  | (0.001) | (0.001) | (0.001) | (0.001) |
|  |  |  |  |  |
| Education | 0.127\*\*\* | 0.128\*\*\* | 0.184\*\*\* | 0.187\*\*\* |
|  | (0.021) | (0.021) | (0.021) | (0.020) |
|  |  |  |  |  |
| First generation immigrant | -0.535\*\*\* | -0.534\*\*\* | -0.585\*\*\* | -0.585\*\*\* |
|  | (0.025) | (0.025) | (0.025) | (0.024) |
|  |  |  |  |  |
| Second generation immigrant | -1.052\*\*\* | -1.052\*\*\* | -1.038\*\*\* | -0.980\*\*\* |
|  | (0.0824) | (0.0823) | (0.0816) | (0.0794) |
|  |  |  |  |  |
| Other single people households | 0.076\*\*\*(0.020) | 0.100\*\*\*(0.021) | 0.083\*\*\*(0.021) | 0.114\*\*\*(0.020) |
|  |  |  |  |  |
| Single mother with one or more kids living at home |  | 0.212\*\*\*(0.045) | 0.188\*\*\*(0.044) | 0.207\*\*\*(0.043) |
|  |  |  |  |  |
| Days on social assistance benefits |  |  | 0.001\*\*\*(0.000) | 0.001\*\*\*(0.000) |
|  |  |  |  |  |
| Visits at medical practitioner |  |  |  | 1.529\*\*\* |
|  |  |  |  | (0.016) |
|  |  |  |  |  |
| Intercept | -4.529\*\*\* | -4.521\*\*\* | -4.560\*\*\* | -4.707\*\*\* |
|  | (0.039) | (0.039) | (0.039) | (0.038) |
| N (Observations/individuals) | 765,104/ 95,638 | 765,104/ 95,638 | 764,336/95,542 | 764,336/95,542 |
| Chi2 | 872.62\*\*\* | 892.52\*\*\* | 1992.47\*\*\* | 11482,86\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S2: Interrupted time series analysis (Assuming linear trends before/after cutoff). Random effects logistic regression.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) |
|  | Main testFixed effects | Main test;Random effects | Placebo:Cutoff two weeks earlier; Random effects | Placebo:Cutoff four weeks earlier; Random effects | Placebo:Cutoff six weeks earlier; Random effects |
|  |  |  |  |  |  |
| After Interview/cutoff | 0.845\*\*\* | 0.821\*\*\* | -0.488\*\*\* | 0.565\*\*\* | -0.187\*\*\* |
|  | (0.102) | (0.098) | (0.078) | (0.062) | (0.042) |
|  |  |  |  |  |  |
| Week count | -0.078\*\*\* | -0.081\*\*\* | 0.032\*\*\* | -0.008 | 0.002 |
|  | (0.008) | (0.008) | (0.007) | (0.008) | (0.007) |
|  |  |  |  |  |  |
| Cutoff\*Week count | -0.039\*\*\*(0.011) | -0.036\*\*\*(0.010) | 0.040\*\*\*(0.010) | -0.072\*\*\*(0.010) | 0.030\*\*(0.010) |
|  |  |  |  |  |  |
| Female |  | 0.254\*\*\* | 0.254\*\*\* | 0.253\*\*\* | 0.261\*\*\* |
|  |  | (0.020) | (0.020) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| Age |  | -0.001 | -0.001 | -0.002\* | -0.001 |
|  |  | (0.001) | (0.001) | (0.001) | (0.001) |
|  |  |  |  |  |  |
| Education |  | 0.184\*\*\* | 0.188\*\*\* | 0.191\*\*\* | 0.191\*\*\* |
|  |  | (0.021) | (0.021) | (0.021) | (0.021) |
|  |  |  |  |  |  |
| First generation immigrant |  | -0.585\*\*\*(0.025) | -0.591\*\*\*(0.025) | -0.567\*\*\*(0.025) | -0.597\*\*\*(0.025) |
|  |  |  |  |  |  |
| Second generation immigrant |  | -1.040\*\*\* | -0.950\*\*\* | -0.918\*\*\* | -0.960\*\*\* |
|  |  | (0.082) | (0.079) | (0.078) | (0.079) |
|  |  |  |  |  |  |
| Other single people households |  | 0.083\*\*\* | 0.087\*\*\* | 0.077\*\*\* | 0.049\* |
|  |  | (0.021) | (0.021) | (0.021) | (0.021) |
|  |  |  |  |  |  |
| Single mother with one or more kids living at home |  | 0.188\*\*\* | 0.176\*\*\* | 0.185\*\*\* | 0.176\*\*\* |
|  |  | (0.0443) | (0.0441) | (0.0441) | (0.0433) |
|  |  |  |  |  |  |
| Days on social assistance benefits |  | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* |
|  |  | (0.000) | (0.000) | (0.000) | (0.000) |
|  |  |  |  |  |  |
| Intercept |  | -3.961\*\*\* | -4.720\*\*\* | -4.486\*\*\* | -4.496\*\*\* |
|  |  | (0.069) | (0.056) | (0.047) | (0.040) |
| N (Observations/individuals) | 169,248/21,156 | 764,336/95,542 | 764,336/95,542 | 764,336/95,542 | 764,336/95,542 |
| Chi2 | 409.45\*\*\* | 2302.23\*\*\* | 2030.92\*\*\* | 1943.63\*\*\* | 1896.74\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S3: Weekly effects (percentage points) when cutoff estimate is interacted with week count polynomial*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Order of polynomial | Main test;Random effects | Placebo:Cutoff two weeks earlier; Random effects | Placebo:Cutoff four weeks earlier; Random effects | Placebo:Cutoff six weeks earlier; Random effects |
| 1 | 0.29 | 0.08 | -0.02 | -0.05 |
| 2 | 0.29 | 0.08 | -0.01 | -0.04 |
| 3 | 0.29 | 0.08 | -0.01 | -0.04 |

*Table S4: Placebo analysis 1: Comparing the treatment group with themselves in the same eight weeks of the year the four previous years (with week fixed effects – not shown in presentation).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) |
|  |  |  |  |  |  |
| After Interview | - | - | - | - | - |
| (absorbed by week fixed effects) |  |  |  |  |  |
|  |  |  |  |  |  |
| Treatment | 0.282\*\*\* | 0.223\*\*\* | 0.224\*\*\* | 0.235\*\*\* | 0.236\*\*\* |
|  | (0.010) | (0.010) | (0.010) | (0.010) | (0.010) |
|  |  |  |  |  |  |
| After Interview \* treatment | 0.044\*\*\* | 0.039\*\* | 0.039\*\* | 0.039\*\* | 0.038\*\* |
|  | (0.012) | (0.012) | (0.012) | (0.012) | (0.012) |
|  |  |  |  |  |  |
| Female |  | 0.461\*\*\* | 0.456\*\*\* | 0.443\*\*\* | 0.357\*\*\* |
|  |  | (0.017) | (0.017) | (0.017) | (0.016) |
|  |  |  |  |  |  |
| Age |  | 0.015\*\*\* | 0.015\*\*\* | 0.010\*\*\* | 0.009\*\*\* |
|  |  | (0.001) | (0.001) | (0.001) | (0.001) |
|  |  |  |  |  |  |
| Education |  | 0.206\*\*\* | 0.206\*\*\* | 0.254\*\*\* | 0.249\*\*\* |
|  |  | (0.018) | (0.018) | (0.017) | (0.017) |
|  |  |  |  |  |  |
| First generation immigrant |  | -0.623\*\*\* | -0.622\*\*\* | -0.680\*\*\* | -0.677\*\*\* |
|  |  | (0.021) | (0.021) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| Second generation immigrant |  | -1.159\*\*\* | -1.158\*\*\* | -1.136\*\*\* | -1.105\*\*\* |
|  |  | (0.068) | (0.068) | (0.067) | (0.065) |
|  |  |  |  |  |  |
| Other single people households |  | 0.054\*\*\*(0.011) | 0.059\*\*\*(0.012) | 0.053\*\*\*(0.012) | 0.057\*\*\*(0.011) |
|  |  |  |  |  |  |
| Single mother with one or more kids living at home |  |  | 0.0546\*(0.024) | 0.048(0.024) | 0.049\*(0.024) |
|  |  |  |  |  |  |
| Days on social assistance benefits |  |  |  | 0.001\*\*\*(0.000) | 0.001\*\*\*(0.000) |
|  |  |  |  |  |  |
| Visits at medical practitioner |  |  |  |  | 0.747\*\*\* |
|  |  |  |  |  | (0.008) |
|  |  |  |  |  |  |
| Intercept | -4.698\*\*\* | -5.300\*\*\* | -5.296\*\*\* | -5.367\*\*\* | -5.368\*\*\* |
|  | (0.0133) | (0.0301) | (0.0302) | (0.0301) | (0.0293) |
| N (Observations/individuals) | 4,053,120/101,328 | 3,741,440/95,638 | 3,741,440/95,638 | 3,737,848/95,542 | 3,737,848/95,542 |
| Chi2 | 3270.57\*\*\* | 5357.08\*\*\* | 5359.51\*\*\* | 7398.84\*\*\* | 16807.41\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S5: Placebo analysis 2: Comparing the treatment group with social assistance recipients in the same eight weeks in the four previous years (with week fixed effects – not shown in presentation).*

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2) | (3) |
|  |  |  |  |
| After Interview (absorbed by week fixed effects) | - | - | - |
|  |  |  |  |
|  |  |  |  |
| Treatment | 0.026\* | 0.009 | 0.011 |
|  | (0.011) | (0.011) | (0.011) |
|  |  |  |  |
| After Interview \* treatment | 0.057\*\*\* | 0.052\*\*\* | 0.052\*\*\* |
|  | (0.012) | (0.012) | (0.012) |
|  |  |  |  |
| Female |  | 0.305\*\*\* | 0.295\*\*\* |
|  |  | (0.014) | (0.014) |
|  |  |  |  |
| Age |  | 0.010\*\*\* | 0.010\*\*\* |
|  |  | (0.001) | (0.001) |
|  |  |  |  |
| Education |  | 0.148\*\*\* | 0.148\*\*\* |
|  |  | (0.014) | (0.014) |
|  |  |  |  |
| First generation immigrant |  | -0.547\*\*\* | -0.546\*\*\* |
|  |  | (0.016) | (0.016) |
|  |  |  |  |
| Second generation immigrant |  | -1.125\*\*\* | -1.124\*\*\* |
|  |  | (0.058) | (0.058) |
|  |  |  |  |
| Other single people households |  | 0.042\*\*\* | 0.054\*\*\* |
|  |  | (0.011) | (0.012) |
|  |  |  |  |
| Single mother with one or more kids living at home |  |  | 0.102\*\*\* |
|  |  |  | (0.023) |
|  |  |  |  |
| Intercept | -4.356\*\*\* | -4.748\*\*\* | -4.745\*\*\* |
|  | (0.012) | (0.026) | (0.026) |
| N (Observations/individuals) | 3,545,656/193,470 | 3,293,992/178,827 | 3,293,992/178,827 |
| Chi2 | 2506.06\*\*\* | 4539.71\*\*\* | 4562.93\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S6: Placebo analysis 3 and 4: Comparing the treatment group with former recipients (with week fixed effects – not shown in presentation).*

|  |  |  |
| --- | --- | --- |
|  | (1) | (2) |
|  | Former recipients | Former recipients who are receiving other unemployment-related benefits |
| After Interview | - | - |
| (absorbed by week fixed effects) |  |  |
|  |  |  |
| Treatment | 0.987\*\*\* | 0.634\*\*\* |
|  | (0.025) | (0.027) |
|  |  |  |
| After Interview \* treatment | 0.055\* | 0.055\* |
|  | (0.024) | (0.026) |
|  |  |  |
| Female | 0.352\*\*\* | 0.300\*\*\* |
|  | (0.018) | (0.019) |
|  |  |  |
| Age | 0.012\*\*\* | 0.011\*\*\* |
|  | (0.001) | (0.001) |
|  |  |  |
| Education | 0.037\* | 0.069\*\*\* |
|  | (0.019) | (0.019) |
|  |  |  |
| First generation immigrant | -0.630\*\*\* | -0.604\*\*\* |
|  | (0.023) | (0.023) |
|  |  |  |
| Second generation immigrant | -1.112\*\*\* | -1.114\*\*\* |
|  | (0.072) | (0.075) |
|  |  |  |
| Other single people households | 0.102\*\*\* | 0.110\*\*\* |
|  | (0.019) | (0.019) |
|  |  |  |
| Single mother with one or more kids living at home | 0.188\*\*\*(0.042) | 0.198\*\*\*(0.042) |
|  |  |  |
| Intercept | -5.751\*\*\* | -5.316\*\*\* |
|  | (0.0393) | (0.0413) |
| N (Observations/individuals) | 1,152,984/124,123 | 998,136/124,767 |
| Chi2 | 4759.06\*\*\* | 2694.61\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001. The time spent on social assistance benefits is constant for the placebo group and thus not included as covariate in the specification.

*Table S7: Placebo analysis 1: Comparing the treatment group with themselves in the same eight weeks of the year the four previous years (without week fixed effects).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) |
|  |  |  |  |  |  |
| After Interview | 0.041\*\*\* | 0.043\*\*\* | 0.043\*\*\* | 0.043\*\*\* | 0.0491\*\*\* |
|  | (0.006) | (0.006) | (0.006) | (0.006) | (0.006) |
|  |  |  |  |  |  |
| Treatment | 0.282\*\*\* | 0.223\*\*\* | 0.224\*\*\* | 0.235\*\*\* | 0.236\*\*\* |
|  | (0.010) | (0.010) | (0.010) | (0.010) | (0.010) |
|  |  |  |  |  |  |
| After Interview \* treatment | 0.043\*\*\* | 0.038\*\* | 0.038\*\* | 0.038\*\* | 0.036\*\* |
|  | (0.012) | (0.012) | (0.012) | (0.012) | (0.012) |
|  |  |  |  |  |  |
| Female |  | 0.460\*\*\* | 0.455\*\*\* | 0.442\*\*\* | 0.357\*\*\* |
|  |  | (0.017) | (0.017) | (0.0167) | (0.016) |
|  |  |  |  |  |  |
| Age |  | 0.015\*\*\* | 0.015\*\*\* | 0.010\*\*\* | 0.009\*\*\* |
|  |  | (0.001) | (0.001) | (0.001) | (0.001) |
|  |  |  |  |  |  |
| Education |  | 0.206\*\*\* | 0.206\*\*\* | 0.254\*\*\* | 0.248\*\*\* |
|  |  | (0.018) | (0.018) | (0.017) | (0.017) |
|  |  |  |  |  |  |
| First generation immigrant |  | -0.622\*\*\* | -0.622\*\*\* | -0.679\*\*\* | -0.676\*\*\* |
|  |  | (0.021) | (0.021) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| Second generation immigrant |  | -1.158\*\*\* | -1.157\*\*\* | -1.136\*\*\* | -1.104\*\*\* |
|  |  | (0.068) | (0.068) | (0.067) | (0.065) |
|  |  |  |  |  |  |
| Other single people households |  | 0.054\*\*\*(0.011) | 0.059\*\*\*(0.012) | 0.053\*\*\*(0.012) | 0.057\*\*\*(0.011) |
|  |  |  |  |  |  |
| Single mother with one or more kids living at home |  |  | 0.055\*(0.024) | 0.048\*(0.024) | 0.049\*(0.024) |
|  |  |  |  |  |  |
| Days on social assistance benefits |  |  |  | 0.001\*\*\*(0.000) | 0.001\*\*\*(0.000) |
|  |  |  |  |  |  |
| Visits at medical practitioner |  |  |  |  | 0.735\*\*\* |
|  |  |  |  |  | (0.008) |
|  |  |  |  |  |  |
| Intercept | -4.808\*\*\* | -5.411\*\*\* | -5.408\*\*\* | -5.479\*\*\* | -5.492\*\*\* |
|  | (0.011) | (0.029) | (0.030) | (0.029) | (0.029) |
| N (Observations/individuals) | 4,053,120/101,328 | 3,741,440/95,638 | 3,741,440/95,638 | 3,737,848/95,542 | 3,737,848/95,542 |
| Chi2 | 1567.33\*\*\* | 3683.58\*\*\* | 3687.15\*\*\* | 5774.26\*\*\* | 15011.04\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

Table S8: Placebo analysis 2: Comparing the treatment group with social assistance recipients in the same eight weeks in the four previous years (without week fixed effects).

|  |  |  |  |
| --- | --- | --- | --- |
|  | (1) | (2) | (3) |
|  |  |  |  |
| After Interview | 0.027\*\*\* | 0.030\*\*\* | 0.030\*\*\* |
|  | (0.005) | (0.006) | (0.006) |
|  |  |  |  |
| Treatment | 0.026\* | 0.009 | 0.010 |
|  | (0.011) | (0.011) | (0.011) |
|  |  |  |  |
| After Interview \* treatment | 0.057\*\*\* | 0.052\*\*\* | 0.052\*\*\* |
|  | (0.012) | (0.012) | (0.012) |
|  |  |  |  |
| Female |  | 0.304\*\*\* | 0.295\*\*\* |
|  |  | (0.014) | (0.014) |
|  |  |  |  |
| Age |  | 0.010\*\*\* | 0.010\*\*\* |
|  |  | (0.001) | (0.001) |
|  |  |  |  |
| Education |  | 0.147\*\*\* | 0.148\*\*\* |
|  |  | (0.014) | (0.014) |
|  |  |  |  |
| First generation immigrant |  | -0.546\*\*\* | -0.545\*\*\* |
|  |  | (0.016) | (0.016) |
|  |  |  |  |
| Second generation immigrant |  | -1.123\*\*\* | -1.122\*\*\* |
|  |  | (0.058) | (0.058) |
|  |  |  |  |
| Other single people households |  | 0.042\*\*\* | 0.054\*\*\* |
|  |  | (0.011) | (0.012) |
|  |  |  |  |
| Single mother with one or more kids living at home |  |  | 0.102\*\*\*(0.023) |
|  |  |  |  |
|  |  |  |  |
| Intercept | -4.490\*\*\* | -4.882\*\*\* | -4.879\*\*\* |
|  | (0.010) | (0.025) | (0.025) |
| N (Observations/individuals) | 3,545,656/193,470 | 3,293,992/178,827 | 3,293,992/178,827 |
| Chi2 | 132.59\*\*\* | 2267.62\*\*\* | 2290.78\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S9: Placebo analysis 3 and 4: Comparing the treatment group with former recipients (without week fixed effects)*

|  |  |  |
| --- | --- | --- |
|  | (1) | (2) |
|  | Former recipients | Former recipients who are receiving other unemployment-related benefits |
| After Interview | 0.028 | 0.027 |
|  | (0.021) | (0.024) |
|  |  |  |
| Treatment | 0.985\*\*\* | 0.633\*\*\* |
|  | (0.025) | (0.027) |
|  |  |  |
| After Interview \* treatment | 0.055\* | 0.055\* |
|  | (0.024) | (0.026) |
|  |  |  |
| Female | 0.351\*\*\* | 0.299\*\*\* |
|  | (0.018) | (0.019) |
|  |  |  |
| Age | 0.012\*\*\* | 0.011\*\*\* |
|  | (0.001) | (0.001) |
|  |  |  |
| Education | 0.037\* | 0.069\*\*\* |
|  | (0.019) | (0.019) |
|  |  |  |
| First generation immigrant | -0.629\*\*\* | -0.604\*\*\* |
|  | (0.023) | (0.023) |
|  |  |  |
| Second generation immigrant | -1.110\*\*\* | -1.113\*\*\* |
|  | (0.072) | (0.075) |
|  |  |  |
| Other single people households | 0.102\*\*\* | 0.110\*\*\* |
|  | (0.019) | (0.019) |
|  |  |  |
| Single mother with one or more kids living at home | 0.187\*\*\* | 0.197\*\*\* |
|  | (0.042) | (0.042) |
|  |  |  |
| Intercept | -5.902\*\*\* | -5.470\*\*\* |
|  | (0.0374) | (0.0394) |
| N (Observations/individuals) | 1,152,984/144,123 | 998,136/124,767 |
| Chi2 | 4393.55\*\* | 2323.60\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001. The time spent on social assistance benefits is constant for the placebo group and thus not included as covariate in the specification.

*Table S10: Descriptive statistics for the treatment and control groups in placebo analysis 3 and 4*

|  |  |  |  |
| --- | --- | --- | --- |
|  | Treatment | Control (placebo 3) | Control (placebo 4) |
| Variable | Mean | SD | Mean | SD | Mean | SD |
| Female | 0.524 | 0.499 | 0.434 | 0.496 | 0.485 | 0.500 |
| Age (years) | 36.049 | 11.885 | 30.940 | 11.626 | 30.561 | 11.530 |
| Education (more than secondary school) | 0.348 | 0.476 | 0.414 | 0.493 | 0.391 | 0.488 |
| First generation immigrant | 0.235 | 0.424 | 0.170 | 0.376 | 0.155 | 0.362 |
| Second generation immigrant | 0.024 | 0.152 | 0.036 | 0.185 | 0.033 | 0.178 |
| Single mother with one or more kids living at home | 0.049 | 0.216 | 0.021 | 0.144 | 0.026 | 0.158 |
| Other single people households | 0.596 | 0.491 | 0.586 | 0.493 | 0.586 | 0.493 |
| N (individuals) | 96,406-101,328 | 48,993-51,125 | 29,316-30,053 |

*Table S11: Heterogeneous effects. Interrupted time series. Random effects logistic regression.*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | (1) | (2) | (3) | (4) | (5) |
|  |  |  |  |  |  |
| After Interview | 0.087\*\*\* | 0.083\*\*\* | 0.089\*\*\* | 0.082\*\*\* | 0.064\*\*\* |
|  | (0.013) | (0.011) | (0.016) | (0.014) | (0.014) |
|  |  |  |  |  |  |
| Days on social assistance benefits | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* | 0.001\*\*\* |
|  | (0.000) | (0.000) | (0.000) | (0.000) | (0.000) |
|  |  |  |  |  |  |
| Female | 0.254\*\*\* | 0.254\*\*\* | 0.260\*\*\* | 0.088\*\*\* | 0.109\*\*\* |
|  | (0.020) | (0.020) | (0.023) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| Age | -0.001 | -0.001 | -0.001 | -0.004\*\*\* | 0.002\*\* |
|  | (0.001) | (0.001) | (0.001) | (0.001) | (0.001) |
|  |  |  |  |  |  |
| Education | 0.184\*\*\* | 0.184\*\*\* | 0.184\*\*\* | 0.187\*\*\* | 0.137\*\*\* |
|  | (0.021) | (0.021) | (0.021) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| First generation immigrant | -0.585\*\*\* | -0.585\*\*\* | -0.585\*\*\* | -0.585\*\*\* | -0.532\*\*\* |
|  | (0.025) | (0.025) | (0.025) | (0.024) | (0.024) |
|  |  |  |  |  |  |
| Second generation immigrant | -1.038\*\*\* | -1.038\*\*\* | -1.038\*\*\* | -0.980\*\*\* | -0.930\*\*\* |
|  | (0.082) | (0.082) | (0.082) | (0.079) | (0.081) |
|  |  |  |  |  |  |
| Other single people households | 0.083\*\*\* | 0.083\*\*\* | 0.083\*\*\* | 0.114\*\*\* | 0.023 |
|  | (0.021) | (0.021) | (0.021) | (0.020) | (0.020) |
|  |  |  |  |  |  |
| Single mother with one or more kids living at home | 0.188\*\*\*(0.044) | 0.201\*\*\*(0.051) | 0.188\*\*\*(0.044) | 0.207\*\*\*(0.043) | 0.169\*\*\*(0.044) |
|  |  |  |  |  |  |
| After interview \* Days on social assistance benefits | -0.000(0.000) |  |  |  |  |
|  |  |  |  |  |  |
| After interview \* Single mother with one or more kids living at home |  | -0.025(0.047) |  |  |  |
|  |  |  |  |  |  |
| After interview \* Woman |  |  | -0.012 |  |  |
|  |  |  | (0.021) |  |  |
|  |  |  |  |  |  |
| Visits at medical practitioner |  |  |  | 1.511\*\*\*(0.021) |  |
|  |  |  |  |  |  |
| After interview \* Visits at medical practitioner |  |  |  | 0.035(0.026) |  |
|  |  |  |  |  |  |
| Prior diagnosis |  |  |  |  | 1.196\*\*\* |
|  |  |  |  |  | (0.022) |
|  |  |  |  |  |  |
| After interview \* Prior diagnosis |  |  |  |  | 0.045\*(0.022) |
|  |  |  |  |  |  |
| Intercept | -4.563\*\*\* | -4.561\*\*\* | -4.563\*\*\* | -4.700\*\*\* | -4.844\*\*\* |
|  | (0.039) | (0.039) | (0.040) | (0.038) | (0.040) |
| *N (Observations/individuals)* | 764336/95,542 | 764336/95,542 | 764336/95,542 | 764336/95,542 | 764336/95,542 |
| Chi2 | 1991.05\*\*\* | 1992.20\*\*\* | 1991.88\*\*\* | 11497.27\*\*\* | 6073.20\*\*\* |

Note: Entries are random effects logistic regression coefficients; Cluster robust standard errors in parentheses \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.

*Table S12: Weekly effects in placebo analyses for people with and without prior diagnosis.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Placebo analysis 1 | Placebo analysis 2 | Placebo analysis 3 | Placebo analysis 4 |
| With diagnosis | 0.40\*\* | 0.33 | 0.38 | 0.46\*\* |
| Without diagnosis | 0.04 | 0.18\* | 0.18 | 0.21\*\* |

Note: Entries are estimated weekly effects. \* *p* < 0.05, \*\* *p* < 0.01, \*\*\* *p* < 0.001.