Table S1. Association between SMI and risk factors, diagnoses and health care contacts within the exposed cohort women in contact with mental health services.

| Risk Factor | SMI Univariate logistical regression OR, 95% CI | Multivariate logistic regression Adj OR, 95% CI |
|-------------|----------------------------------------------|---------------------------------------------|
|             | Univariate logistical regression             | Multivariate logistic regression             |
|             | OR, 95% CI n=3,817                           | Adjusted model for ethnicity & IMD adj OR, 95% CI n=3,399 |
| Overweight  | 2.07 (1.72-2.50)***                         | 1.80 (1.48-2.19)***                         |
| Underweight | 0.93 (0.67-1.31) n=3,285                     | 0.86 (0.60-1.22) n=3,015                    |
| Smoking     | 1.28 (1.08-1.51)**                          | 1.41 (1.18-1.69)***                         |
| Alcohol abuse | 0.88 (0.63-1.23) n=3,285                 | 0.95 (0.67-1.35) n=3,015                    |
| Drug use    | 1.04 (0.72-1.50)                            | 1.04 (0.71-1.52)                            |
| Folate prescripion | 2.72 (2.14-3.44)***   | 2.20 (1.70-2.84)***                         |
| Vitamin D deficiency | 1.20 (0.93-1.55)    | 0.98 (0.75-1.30)                            |
| LARC        | 0.80 (0.58-1.09)                            | 0.86 (0.62-1.20)                            |
| Emergency contraception | 1.05 (0.77-1.43) | 1.02 (0.74-1.41)                            |
| TOP         | 0.55 (0.29-1.04)                            | 0.55 (0.28-1.08)                            |
| Physical Health Diagnoses |  |  |
| Asthma      | 0.96 (0.76-1.23)                            | 0.97 (0.75-1.26)                            |
| Diabetes    | 2.72 (1.92-3.86)***                         | 2.31 (1.58-3.56)***                         |
| Hypertension | 2.28 (1.58-3.29)***                        | 1.71 (1.15-2.56)***                         |
| Epilepsy    | 1.06 (0.63-1.80)                            | 1.04 (0.60-1.80)                            |
| HIV         | 0.62 (0.32-1.6)                             | 0.39 (0.13-1.33)                            |
| Hepatitis B/C | 1.14 (0.61-2.16)                            | 1.20 (0.63-2.31)                            |
| PCOS        | 0.69 (0.46-1.05)                            | 0.76 (0.49-1.16)                            |
| Endometriosis | 0.55 (0.28-1.11)                           | 0.55 (0.27-1.13)                            |
| Multi-morbidity | 1.36 (0.9-1.9)       | 1.20 (0.88-1.82)                            |
| Health care use |  |  |
| Community MH F2F | 4.02 (3.53-4.57)***                 | 4.05 (3.51-4.67)***                         |
| Inpatient MH days | 32.37 (19.50-53.84)***            | 40.31 (21.70-74.88)***                      |
| GP consultations | 1.41 (1.30-1.52)***                | 1.31 (1.21-1.43)***                         |

*** p<0.001 ** p <0.01 *p<0.05