SUPPLEMENTARY DATA TABLES – Sensitivity analyses including participants the association between primary and secondary exposures and restarting antidepressant treatment

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|  | **Sensitivity model 1A\*****HR (95% CI)** | **Sensitivity model 2A\*****HR (95% CI)** | **Sensitivity model 3A\*****HR (95% CI)** |
| **Number of medications\*\*:****0****2****3****4****5****6****7****8****9****10****11****12****13****14****15****16****17****18** | Reference point1.12 (0.84-1.50)1.25 (0.90-1.75)1.31 (0.96-1.79)1.41 (1.03-1.93)1.54 (1.12-2.11)1.52 (1.11-2.08)1.66 (1.21-2.27)1.81 (1.31-2.49)1.98 (1.43-2.74)1.95 (1.40-2.72)1.76 (1.24-2.49)1.60 (1.10-2.34)1.49 (0.97-2.30)1.44 (0.83-2.51)1.43 (0.66-3.11)1.43 (0.46-4.42)1.44 (0.30-7.02) | Reference category1.10 (1.03-1.18)1.22 (1.09-1.36)1.33 (1.17-1.52)1.45 (1.26-1.66)1.55 (1.35-1.77)1.63 (1.42-1.87)1.73 (1.50-1.98)1.82 (1.59-2.10)1.91 (1.65-2.20)1.97 (1.70-2.29)2.02 (1.72-2.39)2.07 (1.72-2.50)2.13 (1.69-2.67)2.19 (1.65-2.90)2.25 (1.59-3.19)2.32 (1.51-3.56)2.39 (1.43-4.00) | Reference category1.08 (1.01-1.15)1.16 (1.04-1.30)1.25 (1.09-1.421.33 (1.16-1.54)1.40 (1.22-1.62)1.46(1.27-1.69)1.54 (1.33-1.77)1.62 (1.34-1.87)1.70 (1.46-1.97)1.76 (1.51-2.06)1.83 (1.55-2.17)1.90 (1.57-2.31)1.98 (1.57-2.50)2.06 (1.55-2.74)2.15 (1.51-3.05)2.24 (1.46-3.44)2.34 (1.39-3.92) |

\* Sensitivity model 1A = redefining exposure to include repeat prescriptions only; Sensitivity model 2A = redefining outcome to limit observed follow-up to 6 months; Sensitivity model 3A = including participants with completed ethnicity only; all models adjusted for duration of previous antidepressant treatment, age, gender, ethnicity, calendar year and GP practice

\*\*Medications prescribed simultaneous to the date of the last antidepressant prescription before discontinuation, excluding the antidepressant itself

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|  | **Sensitivity model 2B\*****HR (95% CI)** | **Sensitivity model 3B\*****HR (95% CI)** |
| **Duration of previous antidepressant treatment:****Early****NICE****WHO****Medium****Maintained** | Reference category1.60 (1.51-1.70)1.79 (1.68-1.92)2.13 (2.03-2.23)2.36 (2.25-2.48) | Reference category1.69 (1.57-1.82)1.85 (1.69-2.01)2.13 (2.00-2.27)2.49 (2.34-.2.64) |

\* Sensitivity model 2B = redefining outcome to limit observed follow-up to 6 months; Sensitivity model 3B = including participants with completed ethnicity only; all models adjusted for age, gender, ethnicity, calendar year and GP practice