**Supplemental Digital Content 2:** **Association of menopausal status, HT use and odds of CESD-10 depressive symptoms for women aged 45 to 64 years (weighted analysis)**

|  |  |  |  |
| --- | --- | --- | --- |
|   | All participantsModel 1a | Comprehensive cohortModel 1a | Comprehensive cohortModel 2a |
| *All Women*  |  |  |  |  |  |  |
| History of depression |  |  |  |  |  |  |
|  No Yes |  |  |  | Ref1.77 | 1.44 | 2.14 |  |  |  |
| Use of medication to treat depression |  |  |  |  |  |  |
|  No Yes |  |  |  | Ref1.88 | 1.52 | 2.32 |  |  |  |
| Menopausal Status |  |  |  |  |  |  |  |  |  |
|  Premenopausal  | 1.08 | 0.92 | 1.26 | 1.06 | 0.85 | 1.33 | 1.02 | 0.83 | 1.26 |
|  Postmenopausal  | Ref |  |  | Ref |  |  | Ref |  |  |
| Current HT Use  |  |  |  |  |  |  |  |  |  |
|  No | Ref |  |  | Ref |  |  | Ref |  |  |
|  Yes | 1.21 | 1.02 | 1.44 | 1.24 | 0.98 | 1.59 | 1.30 | 1.02 | 1.64 |
| Age | 0.98 | 0.97 | 1.00 | 0.98 | 0.96 | 1.00 | 0.98 | 0.96 | 0.99 |
| *Postmenopausal Women Only* |  |  |  |  |  |  |  |  |  |
| Years Since Menopause |  |  |  |  |  |  |  |  |  |
|  <5years postmenopausal | 0.99 | 0.77 | 1.28 | 0.71 | 0.50 | 1.03 | 0.76 | 0.54 | 1.08 |
|  5-9 years postmenopausal | 0.91 | 0.75 | 1.09 | 0.72 | 0.56 | 0.94 | 0.74 | 0.58 | 0.95 |
|  ≥10 years postmenopausal | Ref |  |  | Ref |  |  | Ref |  |  |
| Onset of Menopause |  |  |  |  |  |  |  |  |  |
|  Premature menopause (<40 years) | 1.45 | 1.07 | 1.97 | 1.05 | 0.64 | 1.73 | 0.99 | 0.62 | 1.58 |
|  Early menopause (40-45 years) | 0.97 | 0.78 | 1.21 | 0.77 | 0.56 | 1.06 | 0.81 | 0.60 | 1.10 |
|  Normal menopause (46-55 years) | Ref |  |  | Ref |  |  | Ref |  |  |
|  Late onset menopause (≥56 years)  | 0.81 | 0.61 | 1.09 | 0.87 | 0.57 | 1.32 | 0.91 | 0.61 | 1.35 |
| *Current HT Users Only* |  |  |  |  |  |  |  |  |  |
| Duration of current HT Use |  |  |  |  |  |  |  |  |  |
|  <5 years | 1.10 | 0.72 | 1.69 | 1.20 | 0.62 | 2.29 | 1.23 | 0.66 | 2.30 |
|  5-9 years | 1.12 | 0.67 | 1.85 | 1.41 | 0.64 | 3.08 | 1.44 | 0.70 | 2.94 |
|  ≥10 years | Ref |  |  | Ref |  |  | Ref |  |  |

HT: Hormone therapy, CESD-10: Center for Epidemiologic Studies Depression Scale

a = adjusted for age, education level, household income, marital status, body mass index, smoking status, alcohol consumption in past 12 months, social support (affectionate social interaction, emotional and informational support, positive social interaction, tangible social support) and social participation.

b = adjusted for the same variables as Model 1 with the addition of a history of physician diagnosed clinical depression and the current use of medication to treat depression