Supplementary Table 4. Multiple logistic regression derived odds ratio (OR) for self-reported depressive symptoms (EPDS ≥ 12) at 6 weeks postpartum (UPPSAT) in association with meteorological parameter or air pollen count.

|  |  |  |
| --- | --- | --- |
| Exposure | cOR | 95% CI |
| *Same day as EPDS* |   |   |
|  Maximum temperature | 0.992 | 0.976–1.008 |
|  Precipitation | 0.979 | 0.946–1.014 |
|  Snow coverage | 1.069 | 0.699–1.635 |
|  Sunshine hours | 1.003 | 0.972–1.035 |
|  Alder | 0.974 | 0.934–1.015 |
|  Mugwort | 0.980 | 0.881–1.091 |
|  Birch | 1.000 | 0.997–1.002 |
|  Hazel | 1.003 | 0.953–1.055 |
|  Grass | 0.989 | 0.973–1.005 |
|  Oak | 1.000 | 0.998–1.002 |
| *One week prior to EPDS* |   |   |
|  Maximum temperature | 0.985 | 0.968–1.003 |
|  Precipitation | 1.000 | 0.927–1.080 |
|  Snow coverage | 1.135 | 0.710–1.815 |
|  Sunshine hours | 0.964 | 0.925–1.005 |
|  Alder | 0.949 | 0.896–1.006 |
|  Mugwort | 0.965 | 0.853–1.091 |
|  Birch | 0.998 | 0.995–1.002 |
|  Hazel | 0.966 | 0.882–1.058 |
|  Grass | 0.995 | 0.980–1.010 |
|  Oak | 0.998 | 0.995–1.002 |
| *Six weeks prior to EPDS* |   |   |
|  Maximum temperature | 0.993 | 0.974–1.012 |
|  Precipitation | 1.047 | 0.867–1.263 |
|  Snow coverage | 0.936 | 0.506–1.731 |
|  Sunshine hours | 0.964 | 0.920–1.012 |
|  Alder | 0.970 | 0.925–1.018 |
|  Mugwort | 0.978 | 0.794–1.206 |
|  Birch | 0.995 | 0.989–1.001 |
|  Hazel | 0.897 | 0.787–1.023 |
|  Grass | 0.991 | 0.969–1.014 |
|  Oak | 0.991 | 0.983–1.000 |

cOR: crude odds ratio; CI: confidence interval; EPDS: Edinburgh Postnatal Depression Scale