***Supplementary table 5. Univariate regression assessing the contribution of factors to a clinically meaningful change in GAD-7 at 12 months.*** *A univariate binary regression model assessed the effect of age, BMI, gender, cannabis status, treatment type, CBD dose, Δ9-THC dose, baseline sleep quality and baseline anxiety severity on the likelihood of achieving a clinically significant change in GAD-7 at 12 months. Sleep quality has been previously defined. For baseline anxiety, mild, moderate, and severe anxiety are defined as scores of ≥5, ≥10, and ≥15. n=302. Results are presented as the odds ratio and the 95% confidence intervals. Ref=reference group, GAD-7=Generalised anxiety disorder-7. p<0.001 = \*\*\*.*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variable** | | **n** | **Odds ratio [95% Confidence interval]** | **p-value** |
| **Age** | |  |  |  |
|  | 18-30 | 89 | - | Ref |
|  | 31-40 | 103 | 0.491 [0.224 - 1.074] | 0.075 |
|  | 41-50 | 63 | 0.451 [0.192 - 1.063] | 0.069 |
|  | 51-60 | 31 | 2.045 [0.427 - 9.788] | 0.371 |
|  | 60+ | 15 | 0.917 [0.182 - 4.618] | 0.916 |
| **BMI** | |  |  |  |
|  | <20 | 38 | 2.380 [0.759 - 7.467] | 0.137 |
|  | 20-25 | 96 | - | Ref |
|  | 25-30 | 85 | 1.120 [0.546 - 2.298] | 0.757 |
|  | 30-35 | 34 | 1.624 [0.560 - 4.712] | 0.372 |
|  | >35 | 49 | 2.007 [0.752 - 5.356] | 0.164 |
| **Gender** | |  |  |  |
|  | Male | 210 | - | Ref |
|  | Female | 92 | 1.430 [0.724 - 2.823] | 0.303 |
| **Cannabis Status** | |  |  |  |
|  | Current | 193 | - | Ref |
|  | Ex-user | 70 | 1.146 [0.559 - 2.349] | 0.709 |
|  | Naïve | 39 | 2.075 [0.694 - 6.202] | 0.191 |
| **Treatment type** | |  |  |  |
|  | Oils | 43 | - | Ref |
|  | Dried flower | 167 | 0.488 [0.162 - 1.472] | 0.203 |
|  | Combination | 92 | 0.369 [0.118 - 1.157] | 0.087 |
| **CBD dose** | |  |  |  |
|  | 0 | 22 | - | Ref |
|  | Below median | 129 | 0.924 [0.287 - 2.973] | 0.895 |
|  | Above median | 151 | 1.176 [0.366 - 3.781] | 0.786 |
| **Δ9-THC dose** | |  |  |  |
|  | Below median | 151 | - | Ref |
|  | Above median | 151 | 0.795 [0.438 - 1.442] | 0.45 |
| **Sleep quality** | |  |  |  |
|  | Impaired | 156 | - | Ref |
|  | Unimpaired | 146 | 0.554 [0.303 - 1.014] | 0.056 |
| **Baseline anxiety** | |  |  |  |
|  | Sub-clinical | 33 | - | Ref |
|  | Mild | 54 | 15.443 [5.207 - 45.796] | <0.001\*\*\* |
|  | Moderate | 65 | 16.387 [5.745 - 46.746] | <0.001\*\*\* |
|  | Severe | 149 | 20.700 [8.298 - 51.641] | <0.001\*\*\* |