**Supplementary Table S1.** *Study 1 generalised estimating equations model (Model 1) predicting experience of speech illusion from drug (placebo, Cann-CBD, Cann+CBD).*

Model 1

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | | | | **95% CIs** | |
|  | **Beta** | **SE** | | **p-value** | **OR** | **Lower** | | **Upper** | |
| Placebo vs. Cann-CBD | *-0.945* | *0.680* | | *.164* | *0.389* | *0.102* | | *1.473* | |
| Cann+CBD vs.Cann-CBD | *-0.474* | *0.667* | | *.477* | *0.622* | *0.168* | | *2.301* | |

**Supplementary Table S2.** *Study 2 generalised estimating equations models. Model 2a predicting any speech illusion from drug (placebo, Cann-CBD) and group (adolescent, adult). Model 2b predicting any speech illusion from drug, group, and the interaction of drug x group.*

Model 2a

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | | | | **95% CIs** | |
|  | **Beta** | **SE** | | **p-value** | **OR** | **Lower** | | **Upper** | |
| Placebo vs. Cann-CBD | *-1.128* | *0.433* | | *.009* | *0.324* | *0.139* | | *0.757* | |
| Adolescent vs. Adult | *0.680* | *0.531* | | *.200* | *1.975* | *0.698* | | *5.586* | |

Model 2b

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | |  | | | | **95% CIs** | |
|  | **Beta** | **SE** | | **p-value** | **OR** | **Lower** | | **Upper** | |
| Placebo vs. Cann-CBD | *-1.534* | *0.701* | | *.029* | *0.216* | *0.055* | | *0.852* | |
| Adolescent vs. Adult | *0.401* | *0.636* | | *.528* | *1.494* | *0.430* | | *5.192* | |
| Drug x Group | *0.714* | *0.901* | | *.428* | *2.043* | *0.350* | | *11.931* | |