**Supplemental Table 1: Full search strategy**

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|  | # | Search | Results |
| PsycInfo | 1 | (ketamine or arketamine or esketamine or ketalar or spravato).ti,ab. | 5198 |
| 2 | (depress\* adj3 diagnos\*).ti,ab. | 14887 |
| 3 | (major adj3 depress\*).ti,ab. | 54137 |
| 4 | 2 or 3 | 63781 |
| 5 | 1 and 4 | 776 |
| 6 | Limit 5 to (human and English language) | 569 |
|  |  |  |  |
| EMBASE | 1 | (ketamine or arketamine or esketamine or ketalar or spravato).ti,ab,du. | 75552 |
| 2 | (depress\* adj3 diagnos\*).ti,ab. | 27005 |
| 3 | (major adj3 depress\*).ti,ab. | 87045 |
| 4 | 2 or 3 | 105986 |
| 5 | 1 and 4 | 2295 |
| 6 | Limit 5 to (human and English language and (clinical trial or randomized controlled trial or controlled clinical trial or multicentre study or phase 1 clinical trial or phase 2 clinical trial or phase 3 clinical trial or phase 4 clinical trial)) | 408 |
|  |  |  |  |
| PubMed | 1 | Search: (((((ketamine[Title/Abstract]) OR (esketamine [Title/Abstract])) OR (arketamine[Title/Abstract])) OR (ketalar[Title/Abstract])) OR (spravato[Title/Abstract])) AND (depress\*[Title/Abstract]) | 2459 |
|  |  | Filters: Humans, English |  |