**Supplementary Materials**

Supplementary Table 1. Classification of psychotropic medications identified by the natural language processing application.

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| --- | --- | --- | --- | --- | --- | --- |
| Antidepressants | Antipsychotics | Mood stabilising antiepileptics | Sedative-hypnotics | Amfetamines | Sympathomimmetics | Antihistamines |
| Agomelatine | Amisulpride | Carbamazepine | Alprazolam | Dexamfetamine | Atomoxetine | Promethazine |
| Amoxapine | Amitriptyline | Lamotrigine | Bromazepam | Lisdexamfetamine | Methylphenidate |   |
| Bupropion | Aripiprazole | Sodium valproate | Buspirone |   | Modafinil |   |
| Citalopram | Asenapine | Valproic acid | Chloral hydrate |   |   |   |
| Clomipramine | Chlorpromazine |   | Chlordiazepoxide |   |   |   |
| Dosulepin | Clozapine |   | Clobazam |   |   |   |
| Doxepin | Droperidol |   | Clomethiazole |   |   |   |
| Duloxetine | Flupentixol |   | Clonazepam |   |   |   |
| Escitalopram | Fluphenazine |   | Diazepam |   |   |   |
| Fluoxetine | Haloperidol |   | Flunitrazepam |   |   |   |
| Fluvoxamine | Imipramine |   | Flurazepam |   |   |   |
| Isocarboxazid | Lurasidone |   | Loprazolam |   |   |   |
| Lofepramine | Olanzapine |   | Lorazepam |   |   |   |
| Mianserin | Paliperidone |   | Lormetazepam |   |   |   |
| Mirtazapine | Periciazine |   | Melatonin |   |   |   |
| Moclobemide | Perphenazine |   | Midazolam |   |   |   |
| Nefazodone | Pimozide |   | Nitrazepam |   |   |   |
| Nortriptyline | Pipotiazine |   | Oxazepam |   |   |   |
| Reboxetine | Prochlorperazine |   | Zolpidem |   |   |   |
| Sertraline | Promazine |   | Zopiclone |   |   |   |
| Tranylcypromine | Questiapine |   |   |   |   |   |
| Trazodone | Risperidone |   |   |   |   |   |
| Trimipramine | Sertindole |   |   |   |   |   |
| Venlafaxine | Sulpiride |   |   |   |   |   |
|   | Thioridazine |   |   |   |   |   |
|   | Ziprasidone |   |   |   |   |   |
|   | Zuclopenthixol |   |   |   |   |   |