

## Online Supplement DS1

### Medication classifications

<b>Psychotropic medications</b>	<b>CNS-acting</b>	<b>Other</b>	<b>Medications not analysed</b>
Anticonvulsants <sup>a</sup>	Anticonvulsants	Acne medications	Antimalarial medications
<i>anticonvulsants</i>	<i>anticonvulsants</i>	Agents affecting bone metabolism	Antibacterial medications
<i>barbiturates</i>	<i>barbiturates</i>	Antihypertensive agents	Antineoplastics
Antidepressants	Anorexiant & anti-obesity	A2RA	Anthelmintics
<i>SNRI</i>	Anticholinergics	<i>ACE inhibitors</i>	Antiseptics
<i>SSRI</i>	Anticholinesterases	Antianginal drugs	Antidiarrhoea medications
<i>TCA</i>	Anti-migraine drugs	Antiarrhythmic medications	Antispasmodic agents
<i>MAOI</i>	AntiParkinson medication	Anticoagulants	Cough suppressants
<i>Miscellaneous</i>	Antiemetics and antinauseants	Anti-inflammatory agents	Laxatives
Antipsychotics	Alpha or beta-blockers	Antivirals	OTC cold and flu medications
<i>atypical antipsychotics</i>	Antihistamines H2 antagonists	CCB	Vitamins & supplements
<i>typical antipsychotics</i>	H2 antagonists	Cardiac glycosides	
<i>lithium</i>	Melatonin	Colchicine	
Agents for ADHD treatment	Muscle relaxants	Diuretics	
<i>atomoxetine</i>	NSAIDs	Hypoglycemic agents	
<i>dexamphetamine</i>	Paracetamol	Hypolipidaemic agents	
<i>methylphenidate</i>	Oral corticosteroids	Immunosuppressants	
Sedatives	Opioid antagonists	Insulin	
<i>benzodiazepines</i>	Opioids	PPIs	
<i>other hypnotics</i>	Sympathomimetic agents	Salicylates	
		Sex hormones and related drugs	
		Statins	
		Sulphonylureas	
		Thiazolidinediones	
		Thyroid hormones and anti-thyroid drugs	
		Uricosuric agents	
		Vasodilators	

A2RA, angiotensin-II receptor antagonists; ACE, angiotensin-converting enzyme; ADHD, attention-deficit hyperactivity disorder; CCB, calcium channel-blockers; MAOI, monoamine oxidase inhibitors; NSAIDs, non-steroidal anti-inflammatory drugs; PPI, proton pump inhibitors; OTC, over the counter; SNRIs, selective noradrenaline reuptake inhibitors; SSRIs, selective serotonin reuptake inhibitors; TCAs, tricyclic antidepressants.

a. Anticonvulsants were included in this category if the patient did not have a seizure disorder. 'CNS-acting' medications were defined as medications that are either: (a) Classified in the MIMS CNS medication category but not primarily indicated for a psychiatric disorder or (b) Not classified in the MIMS CNS medication category but can be prescribed as a psychiatric treatment or (c) Not classified in the MIMS CNS medication category but have analgesic effects or significant CNS effects. Medications categorized as 'other' included medications with no or limited CNS effects and those not prescribed for psychiatric treatment.

**Table DS1 Multivariable analysis of odds of Alc+ conferred by demographic, psychiatric and medication variables.**

		<b>AOR (99% CI)<sup>a</sup></b>	<b>p value</b>
Presentation year		1.04 (1.02 - 1.05)	<0.001
Age group	18 - 24	1 (Reference)	
	25 - 34	1.55 (1.24 - 1.94)	<0.001
	35 - 44	1.98 (1.58 - 2.48)	<0.001
	45 - 54	2.35 (1.82 - 3.03)	<0.001
	55 - 64	1.95 (1.37 - 2.78)	<0.001
	65 - 75	0.72 (0.39 - 1.33)	0.17
	75+	0.37 (0.16 - 0.88)	0.003
Gender	Male	1 (Reference)	
	Female	0.70 (0.60 - 0.82)	<0.001
Any diagnosis <sup>b</sup>	No	1 (Reference)	
	Yes	1.31 (1.03 - 1.68)	0.004
Unplanned self-poisoning <sup>c</sup>	No (i.e. premeditated)	1 (Reference)	
	Yes	1.52 (1.20 - 1.93)	<0.001
Prescribed medications <sup>d</sup>	Anticonvulsant	0.82 (0.58 - 1.17)	0.15
	Antidepressant	0.91 (0.75 - 1.10)	0.20
	Antipsychotic	0.51 (0.40 - 0.65)	<0.001
	Sedative	0.86 (0.71 - 1.04)	<0.05
	Stimulant	0.54 (0.19 - 1.49)	0.15
	CNS-acting	0.77 (0.63 - 0.95)	<0.01
	Other	0.96 (0.75 - 1.21)	0.63
	Medication free	1.04 (0.81 - 1.34)	0.67

<sup>a</sup> Adjusted odds ratio of alcohol co-ingestion (Alc+)

<sup>b</sup> Includes psychiatric diagnoses defined by Diagnostic and Statistical Manual of Mental Disorders III-R or IV

<sup>c</sup> Available for 5189 (71.3%) cases

<sup>d</sup> Referenced to those not on that particular class of medication. Medications are not mutually exclusive

Alc-: No alcohol co-ingestion; Alc+: alcohol co-ingestion; CNS-acting: medications with significant CNS effects; Other: medications without significant CNS effects.