

Supplementary Material

Article Title: Antipsychotic Prescriptions in Iraq and Afghanistan Veterans With Posttraumatic Stress

Disorder in Department of Veterans Affairs Healthcare, 2007–2012

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Supplementary eTable 1: Psychiatric medication classification^a

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Typical Antipsychotics ^b	Atypical Antipsychotics			
CHLORPROMAZINE	ARIPIPRAZOLE			
CHLORPROTHIXENE	CLOZAPINE			
FLUPHENAZINE	LURASIDONE			
HALOPERIDOL	OLANZAPINE			
LOXAPINE	PALIPERIDONE			
MESORIDAZINE BESYLATE	QUETIAPINE			
MOLINDONE	RISPERIDONE			
PERPHENAZINE	ZIPRASIDONE			
PIMOZIDE				
THIORIDAZINE				
THIOTHIXENE				
TRIFLUOPERAZINE				
Other Psychiatric Medications				
ALPRAZOLAM	ISOCARBOXAZID			
AMITRIPTYLINE	LAMOTRIGINE			
AMOXAPINE	LITHIUM			
BUPROPION	LORAZEPAM			
CARBAMAZEPINE	MAPROTILINE			
CHLORAL HYDRATE	MEPROBAMATE			
CHLORDIAZEPOXIDE	MIRTAZAPINE			
CITALOPRAM	NEFAZODONE			
CLOMIPRAMINE	NORTRIPTYLINE			
CLONAZEPAM	OXAZEPAM			
CLORAZEPATE	PAROXETINE			
DESIPRAMINE	PHENELZINE SULFATE			
DESVENLAFAXINE	PRAZOSIN			
DIAZEPAM	PROTRIPTYLINE			
DIVALPROEX	SELEGILINE			
DOXEPIN	SERTRALINE			
DULOXETINE	TEMAZEPAM			
ESCITALOPRAM	TRANYLCYPROMINE			
ESTAZOLAM	TRAZODONE			
ESZOPICLONE	TRIAZOLAM			
FLUOXETINE	VALPROATE SODIUM			
FLURAZEPAM	VENLAFAXINE			
FLUVOXAMINE	ZALEPLON			
IMIPRAMINE	ZOLPIDEM			
a Madigations were restricted to those evoil	11.6			

^a Medications were restricted to those available for prescription through the Veterans Administration

^b The typical antipsychotics prochlorperazine and promethazine were excluded because they are commonly prescribed for non-psychiatric indications, such as nausea and emesis.

Supplementary eTable 2. Adjusted Relative Risk of Antipsychotic Medication Prescription by Sociodemographic and Military Service Characteristics Among 168,829 Iraq and Afghanistan Veterans With a Diagnosis of Posttraumatic Stress Disorder (PTSD)

	Veterans Prescribed Antipsychotic			
Characteristics		Medication Versus Those Prescribed Nonantipsychotic Psychiatric Medications		
Characteristics	Psychiatric Medica			
	Adjusted RR (95% CI) ^a	p-value		
Age increase by 10-year intervals	0.93 (0.91, 0.95)	< .0001		
Gender				
Female	1 (Reference)			
Male	1.50 (1.42, 1.59)	< .0001		
Race				
White	1 (Reference)			
Black	0.94 (0.90, 0.99)	0.01		
Hispanic	0.96 (0.92, 1.01)	0.14		
Other	0.95 (0.91, 0.98)	0.003		
Marital status				
Never Married	1 (Reference)			
Married	1.07 (1.03, 1.10)	0.0002		
Divorced/ Widowed/Other	1.12 (1.05, 1.20)	0.0015		
Component				
National Guard/Reserve	1 (Reference)			
Active Duty	1.23 (1.19, 1.27)	< .0001		
Rank				
Officer	1 (Reference)			
Enlisted	1.52 (1.38, 1.68)	< .0001		
Branch				
Army	1 (Reference)			
Marines	0.86 (0.83, 0.90)	< .0001		
Navy	0.90 (0.84, 0.97)	0.0032		
Air Force	0.83 (0.77, 0.90)	< .0001		
Multiple deployment(s)				
No	1 (Reference)			
Yes	0.93 (0.90, 0.96)	< .0001		
Geographical Location				
Urban	1 (Reference)			
Rural	1.05 (1.02, 1.08)	0.0011		
Number of follow-up months in 6-				
month intervals since initial PTSD	1.16 (1.16,1.17)	< .0001		
diagnosis date				

^a Each variable is adjusted for all other variables.

Supplementary eTable 3. Prevalence of comorbid diagnoses and adjusted relative risk of antipsychotic prescription among Iraq and Afghanistan veterans with a diagnosis of PTSD

	Total (N=168,829)	Veterans receiving antipsychotics w/ and w/o other psychiatric medications n (%)	Veterans receiving antipsychotic medication prescriptions vs. other psychiatric medications	
			Adjusted RR (95% CI) ^a	p-value
Psychiatric Diagnoses				
PTSD only	40,425	2,918 (7.2)	1.00 (Ref.)	
Comorbid Depression	87,574	10,515 (12.0)	1.46 (1.41, 1.52)	< .0001
Comorbid Anxiety Disorder	47,461	5,974 (12.6)	1.64 (1.57, 1.71)	<.0001
Comorbid Panic Disorder	6,784	1,281 (18.9)	2.13 (2.01, 2.27)	<.0001
Comorbid Adjustment Reaction/Disorder	40,060	4,266 (10.7)	1.44 (1.38, 1.51)	<.0001
Comorbid ADHD	5,198	664 (12.8)	1.73 (1.59, 1.88)	<.0001
Comorbid AUD	35,123	5,588 (15.9)	1.97 (1.88, 2.05)	< .0001
Comorbid DUD	13,998	3,182 (22.7)	2.65 (2.52, 2.78)	< .0001
Comorbid Personality Disorder	3,060	880 (28.8)	3.25 (3.05, 3.47)	<.0001
Number of Psychiatric Diagnoses	n (%)	n (%)		
1	40,425	2,918 (7.2)	1.00 (Ref.)	
2	57,968	5,161 (8.9)	1.12 (1.07, 1.17)	< .0001
≥ 3	70,436	9,573 (13.6)	1.72 (1.65, 1.79)	< .0001
Other Diagnoses ^b				
Comorbid Suicidal ideation	3,823	1,122 (29.4)	3.47 (3.26, 3.68)	<.0001
Comorbid Sleep disorder	16,539	2,111 (12.8)	1.69 (1.60, 1.79)	< .0001
Comorbid Pain	132,263	14,558 (11.0)	1.68 (1.56, 1.82)	< .0001

^a Adjusted for sociodemographic, military service characteristics, and number of follow-up months since initial PTSD diagnosis date.

^b Reference group for adjusted relative risk is also PTSD only.

Supplementary eFigure 1. Flow diagram of cohort derivation

