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Supplementary Material

Article Title: Association of Benzodiazepines and Antidepressants With 180-Day Mortality Among Patients with Dementia Receiving Antipsychotic Pharmacotherapy: A Nationwide Registry-Based Study

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Supplementary Table 1. Diagnoses Used for Identification of Patients with Dementia

	ICD-10 ^a
Alzheimer's Disease	F00.0, F00.1, F00.2, F00.9, G30.0, G30.1, G30.8, G30.9
Vascular Dementia	F01.0, F01.1, F01.2, F01.3, F01.8, F01.9
Frontotemporal Dementia	F02.0
Other Dementias	G31.8
Dementia without Specification	F03, G31.9

Abbreviation: ICD, International Classification of Diseases

^aICD-10 has been used in Denmark since 1994

Supplementary Table 2. ATC Codes of Psychotropic Drugs

Antipsychotics	Sub Group	Generic Name	ATC Code
	First-generation	Levomepromazine	N05AA02
		Fluphenazine	N05AB02
		Perphenazine	N05AB03
		Prochlorperazine	N05AB04
		Periciazine	N05AC01
		Haloperidol	N05AD01
		Melperone	N05AD03
		Pipamperone	N05AD05
		Droperidol	N05AD08
		Flupentixol	N05AF01
		Chlorprothixene	N05AF03
		Zuclopenthixol	N05AF05
		Pimozide	N05AG02
		Penfluridole	N05AG03
		Loxapine	N05AH01
		Sulpiride	N05AL01
	Second-generation	Sertindole	N05AE03
		Ziprasidone	N05AE04
		Lurasidone	N05AE05
		Clozapine	N05AH02
		Olanzapine	N05AH03
		Quetiapine	N05AH04
		Asenapine	N05AH05
		Amisulpride	N05AL05
		Risperidone	N05AX08
		Aripiprazole	N05AX12
		Paliperidone	N05AX13

**Benzodiazepines
and related
drugs**

Sub Group	Generic Name	ATC Code
Anxiolytics	Diazepam	N05BA01
	Chlordiazepoxide	N05BA02
	Oxazepam	N05BA04
	Lorazepam	N05BA06
	Bromazepam	N05BA08
	Clobazam	N05BA09
	Alprazolam	N05BA12
	Hydroxyzine	N05BB01
	Buspirone	N05BE01
	Hypnotics and sedatives	Nitrazepam
Triazolam		N05CD05
Lormetazepam		N05CD06
Zopiclone		N05CF01
Zolpidem		N05CF02
Zaleplon		N05CF03

Sub Group	Generic Name	ATC Code
Tricyclic antidepressants	Imipramine	N06AA02
	Clomipramine	N06AA04
	Amitriptyline	N06AA09
	Nortriptyline	N06AA10
	Doxepin	N06AA12
	Dosulepin	N06AA16
	Maprotiline	N06AA21
Selective serotonin reuptake inhibitors	Fluoxetine	N06AB03
	Citalopram	N06AB04
	Paroxetine	N06AB05
	Sertraline	N06AB06
	Fluvoxamine	N06AB08
	Escitalopram	N06AB10

Monoamine oxidase inhibitors	Isocarboxazid	N06AF01
	Moclobemide	N06AG02
Other antidepressants	Mianserin	N06AX03
	Mirtazapine	N06AX11
	Venlafaxine	N06AX16
	Duloxetine	N06AX21
	Agomelatine	N06AX22

Abbreviation: ATC, Anatomical Therapeutic Chemical

Supplementary Table 3. Definition of Covariates

Covariate	Time of definition	Continuous versus dichotomous
Nursing home resident	The year before index date	Dichotomous
Charlson Comorbidity Index	All registered diagnoses before index date	Continuous
Psychiatric comorbidity	All registered diagnoses before index date	Dichotomous
Total number of drugs other than psychotropic drugs	Time-varying covariate with count over three months	Continuous
Hospital admission	Six months prior to index date	Dichotomous
Prior antipsychotic use	Ten years prior to index date	Dichotomous
Prior antidepressant use	One year prior to index date	Dichotomous