

## **Supplementary Appendix**

This appendix has been provided by the authors to give readers additional information about their work.

Supplement to:

The Prevalence of Psychiatric Disorders in General Hospital Inpatients: A Systematic Umbrella Review

## SEARCH STRATEGIES

### Ovid Medline

“prevalence”	“general hospital inpatients”	“psychiatric disorder”	“systematic review or meta-analysis”
prevalence/ incidence/ prevalen*.ti,ab. inciden*.ti,ab. frequen*.ti,ab. rate*.ti,ab. occurr*.ti,ab.	Hospitals, District/ Hospitals, General/ Tertiary Care Centers/ exp Hospitals, Teaching/ "district hospital*".ti,ab. "general hospital*".ti,ab. "tertiary hospital*".ti,ab. "teaching hospital*".ti,ab. "medical centre*".ti,ab. "medical center*".ti,ab. "general medical".ti,ab. ward* adj4 patient*.ti,ab. hospital* adj4 patient*.ti,ab. Inpatients/ in\$patient*.ti,ab. Hospitalization/ Hospital Units/ Patient Admission/	exp Dementia/ exp Neurocognitive Disorders/ exp Cognition Disorders/ exp Neurobehavioral Manifestations/ "organic brain disease*".ti,ab. "organic brain syndrome*".ti,ab. dement*.ti,ab. alzheimer*.ti,ab. lewy* adj2 bod*.mp. Delirium/ deliri*.mp. "acute confus*".ti,ab. "acute organic psychosyndrome".ti,ab. "acute brain syndrome".ti,ab. "metabolic encephalopathy".ti,ab. "acute psycho-organic syndrome".ti,ab. "clouded state".ti,ab. "clouding of consciousness".ti,ab. "exogenous psychosis".ti,ab. "toxic psychosis".ti,ab. "toxic confusion".ti,ab. exp Substance-Related Disorders/ abstin*.ti,ab. abstain*.ti,ab. abuse*.ti,ab. addict*.ti,ab. dependen*.ti,ab. misuse.ti,ab. overdose.ti,ab. withdrawal.ti,ab.	(((comprehensive* or integrative or systematic*) adj3 (bibliographic* or review* or literature)) or (meta-analy* or metaanaly* or "research synthesis" or ((information or data) adj3 synthesis) or (data adj2 extract*))) .ti,ab. or (cinahl or (cochrane adj3 trial*) or embase or medline or psyclit or (psycinfo not "psycinfo database") or pubmed or scopus or "sociological abstracts" or "web of science").ab. or ("cochrane database of systematic reviews" or evidence report technology assessment or evidence report technology assessment summary).jn. or Evidence Report: Technology Assessment*.jn. or ((review adj5 (rationale or evidence)).ti,ab. and review.pt.) or meta- analysis as topic/ or Meta-Analysis.pt. "literature review".ti,ab.

		<p>Depression/ exp Depressive Disorder/ depression.ti,ab. depress\$3 and symptom\$.ti,ab. depress\$3 and mood.ti,ab. Depression, Postpartum/ depressi* adj3 disorder*.tw. depressi* adj3 symptom*.tw. exp Anxiety/ Panic/ neurotic*.ti,ab. neurosis*.ti,ab. anxiety.ti,ab. panic.ti,ab. agoraphobi*.ti,ab. obsess*.ti,ab. compulsi*.ti,ab. phobi*.ti,ab. exp "schizophrenia spectrum and other psychotic disorders"/ Bipolar Disorder/ adjustment disorders/ stress disorders, post- traumatic/ stress disorders, traumatic, acute/ exp Somatoform Disorders/ exp Dissociative Disorders/ anorexia nervosa/ bulimia nervosa/ exp Personality Disorders/ schizophreni*.tw. "delusional disorder*".tw. bipolar or "bi polar" adj5 disorder* or depress* cyclothymi* or rapid or ultradian adj5 cycl* BD BD1 BD2 BDi BDii hypomani*</p>	
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		mania* manic* "mixed episode*" rcbd.tw. "acute stress disorder*".tw. "adjustment disorder*" "adjustment reaction*" "transient situational disorder*".tw. "post-traumatic stress" "posttraumatic neurosis" "posttraumatic psych*" "posttraumatic stress" "posttraumatic syndrome" PTSD "traumatic stress".tw. somatization somatisation.tw. "conversion hysteri*" "conversion disorder*" "conversion neurosis".tw. "body dysmorphic disorder*" dysmorphophobia.tw. hypochondri*.tw. "illness anxiety disorder*".tw. "somatic symptom disorder*" "somatoform disorder*".tw. "functional disorder*" "functional illness" "functional impairment*".tw. "factitious disorder*" "factitious illness*" "factitious disease*".tw. "dissociative disorder*".tw. "anorexia nervosa".tw. "bulimia nervosa".tw. "personality disorder*" "personality change*" "personality disturbance*".tw.	
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# Ovid Embase

“prevalence”	“general hospital inpatients”	“psychiatric disorder”	“systematic review or meta-analysis”
prevalence/ incidence/ prevalen*.ti,ab. inciden*.ti,ab. frequen*.ti,ab. rate*.ti,ab. occurr*.ti,ab.	public hospital/ general hospital/ tertiary care center/ exp teaching hospital/ "district hospital*".ti,ab. "general hospital*".ti,ab. "tertiary hospital*".ti,ab. "teaching hospital*".ti,ab. "medical centre*".ti,ab. "medical center*".ti,ab. general medical".ti,ab. ward* adj4 patient*.ti,ab. hospital* adj4 patient*.ti,ab. hospital patient/ in\$patient*.ti,ab. hospitalization/ "hospital subdivisions and components"/	exp Dementia/ exp Neurocognitive Disorders/ exp Cognition Disorders/ exp Neurobehavioral Manifestations/ "organic brain disease*".ti,ab. "organic brain syndrome*".ti,ab. dement*.ti,ab. alzheimer*.ti,ab. lewy* adj2 bod*.mp. Delirium/ deliri*.mp. "acute confus*".ti,ab. "acute organic psychosyndrome".ti,ab. "acute brain syndrome".ti,ab. "metabolic encephalopathy".ti,ab. "acute psycho-organic syndrome".ti,ab. "clouded state".ti,ab. "clouding of consciousness".ti,ab. "exogenous psychosis".ti,ab. "toxic psychosis".ti,ab. "toxic confusion".ti,ab. exp Substance-Related Disorders/ abstin*.ti,ab. abstain*.ti,ab. abuse*.ti,ab. addict*.ti,ab. dependen*.ti,ab. misuse.ti,ab. overdose.ti,ab. withdrawal.ti,ab. Depression/ exp Depressive Disorder/	(((comprehensive* or integrative or systematic*) adj3 (bibliographic* or review* or literature)) or (meta-analy* or metaanaly* or "research synthesis" or ((information or data) adj3 synthesis) or (data adj2 extract*))) .ti,ab. or (cinahl or (cochrane adj3 trial*) or embase or medline or psyclit or (psycinfo not "psycinfo database") or pubmed or scopus or "sociological abstracts" or "web of science").ab. or ("cochrane database of systematic reviews" or evidence report technology assessment or evidence report technology assessment summary).jn. or Evidence Report: Technology Assessment*.jn. or ((review adj5 (rationale or evidence)).ti,ab. and review.pt.) or meta- analysis as topic/ meta analysis/ "systematic review"/ "literature review".ti,ab.

		depression.ti,ab. depress\$3 and symptom\$.ti,ab. depress\$3 and mood.ti,ab. Depression, Postpartum/ depressi* adj3 disorder*.tw. depressi* adj3 symptom*.tw. exp Anxiety/ Panic/ neurotic*.ti,ab. neurosis*.ti,ab. anxiety.ti,ab. panic.ti,ab. agoraphobi*.ti,ab. obsess*.ti,ab. compulsi*.ti,ab. phobi*.ti,ab. exp schizophrenia spectrum disorder/ exp bipolar disorder/ acute stress disorder/ exp posttraumatic stress disorder/ adjustment disorder/ exp somatoform disorder/ exp dissociative disorder/ anorexia nervosa/ bulimia/ exp personality disorder/ functional disease/ exp factitious disease/ schizophreni*.tw. "delusional disorder*".tw. bipolar or "bi polar" adj5 disorder* or depress* cyclothymi* rapid or ultradian adj5 cycl* BD BD1 BD2 BDi BDii hypomani* mania* manic*	
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		"mixed episode*" rcbd.tw. "acute stress disorder*".tw. "adjustment disorder*" "adjustment reaction*" "transient situational disorder*".tw. "post-traumatic stress" "posttraumatic neurosis" "posttraumatic psych*" "posttraumatic stress" "posttraumatic syndrome" PTSD "traumatic stress".tw. somatization somatisation).tw. "conversion hysteri*" "conversion disorder*" "conversion neurosis".tw. "body dysmorphic disorder*" dysmorphophobia.tw. hypochondri*.tw. "illness anxiety disorder*".tw. "somatic symptom disorder*" "somatoform disorder*".tw. "functional disorder*" "functional illness" "functional impairment*".tw. "factitious disorder*" "factitious illness*" "factitious disease*".tw. "dissociative disorder*".tw. "anorexia nervosa".tw. "bulimia nervosa".tw. "personality disorder*" "personality change*" "personality disturbance*".tw.	
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# Ovid PsycINFO

“prevalence”	“general hospital inpatients”	“psychiatric disorder”	“systematic review or meta-analysis”
epidemiology/ prevalen*.ti,ab. inciden*.ti,ab. frecuen*.ti,ab. rate*.ti,ab. occurr*.ti,ab.	"district hospital*".ti,ab. "general hospital*".ti,ab. "tertiary hospital*".ti,ab. "teaching hospital*".ti,ab. "medical centre*".ti,ab. "medical center*".ti,ab. "general medical".ti,ab. ward* adj4 patient*.ti,ab. hospital* adj4 patient*.ti,ab. exp Hospitalized Patients/ in\$patient*.ti,ab. Hospitalization/ hospital admission/	exp Dementia/ exp cognitive impairment/ neurodegenerative diseases/ exp alzheimer's disease/ "organic brain disease*".ti,ab. "organic brain syndrome*".ti,ab. dement*.ti,ab. alzheimer*.ti,ab. lewy* adj2 bod*.mp. Delirium/ deliri*.mp. "acute confus*".ti,ab. "acute organic psychosyndrome".ti,ab. "acute brain syndrome".ti,ab. "metabolic encephalopathy".ti,ab. "acute psycho-organic syndrome".ti,ab. "clouded state".ti,ab. "clouding of consciousness".ti,ab. "exogenous psychosis".ti,ab. "toxic psychosis".ti,ab. "toxic confusion".ti,ab. exp Drug Dependency/ exp Drug Abuse/ exp Drug Addiction/ exp Alcoholism/ abstin*.ti,ab. abstain*.ti,ab. abuse*.ti,ab. addict*.ti,ab. dependen*.ti,ab. misuse.ti,ab. overdose.ti,ab. withdrawal.ti,ab. Depression/	(((comprehensive* or integrative or systematic*) adj3 (bibliographic* or review* or literature)) or (meta-analy* or metaanaly* or "research synthesis" or ((information or data) adj3 synthesis) or (data adj2 extract*))) .ti,ab,id. or ((review adj5 (rationale or evidence)).ti,ab,id. and "Literature Review".md.) or (cinahl or (cochrane adj3 trial*) or embase or medline or psyclit or pubmed or scopus or "sociological abstracts" or "web of science").ab. or ("systematic review" or "meta analysis").md. "literature review".ti,ab.



		exp major depression/ depression.ti,ab. depress\$3 and symptom\$.ti,ab. depress\$3 and mood.ti,ab. depressi* adj3 disorder*.tw. depressi* adj3 symptom*.tw. exp Anxiety/ Panic/ neurotic*.ti,ab. neurosis*.ti,ab. anxiety.ti,ab. panic.ti,ab. agoraphobi*.ti,ab. obsess*.ti,ab. compulsi*.ti,ab. phobi*.ti,ab. exp schizophrenia/ exp bipolar disorder/ acute stress disorder/ or exp posttraumatic stress disorder/ or posttraumatic stress/ adjustment disorders/ exp somatoform disorders/ exp dissociative disorders/ anorexia nervosa/ or bulimia/ exp personality disorders/ schizophreni*.tw. "delusional disorder*".tw. bipolar or "bi polar" adj5 disorder* or depress* cyclothymi* or rapid or ultradian adj5 cycl* BD BD1 BD2 BDi BDii hypomani* mania* manic* "mixed episode*" rcbd.tw.	
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		"acute stress disorder*".tw. "adjustment disorder*" "adjustment reaction*" "transient situational disorder*".tw. "post-traumatic stress" "posttraumatic neurosis" "posttraumatic psych*" "posttraumatic stress" "posttraumatic syndrome" PTSD "traumatic stress".tw. somatization somatisation.tw. "conversion hysteri*" "conversion disorder*" "conversion neurosis".tw. "body dysmorphic disorder*" dysmorphophobia.tw. hypochondri*.tw. "illness anxiety disorder*".tw. "somatic symptom disorder*" "somatoform disorder*".tw. "functional disorder*" "functional illness" "functional impairment*".tw. "factitious disorder*" "factitious illness*" "factitious disease*".tw. "dissociative disorder*".tw. "anorexia nervosa".tw. "bulimia nervosa".tw. "personality disorder*" "personality change*" "personality disturbance*".tw.	
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**EBSCO CINAHL**

<b>"prevalence"</b>	<b>"general hospital inpatients"</b>	<b>"psychiatric disorder"</b>	<b>"systematic review or meta-analysis"</b>
prevalen* inciden* frequen* rate* occurr* MH "Prevalence" MH "Incidence"	district hospital* general hospital* tertiary hospital* teaching hospital* medical centre* medical center* general medical" inpatient* MH "Inpatients" MH "Hospitalization+ " MH "Hospitals, Public+ " MH "Hospitals, Community"	organic brain disease* organic brain syndrome* dement* alzheimer* lewy n2 bod* deliri* acute confus* acute organic psychosyndrome acute brain syndrome metabolic encephalopathy acute psycho-organic syndrome clouded state clouding of consciousness exogenous psychosis toxic psychosis toxic confusion abstin* abstain* abuse* addict* dependen* misuse overdose withdrawal depression depress* n2 symptom* depress* n2 mood depressi* n3 disorder* depressi* n3 symptom* neurotic* neurosis* anxiety panic agoraphobi* obsess* compulsi* phobi* MH "Dementia+ " MH "Cognition Disorders+ " MH "Neurobehavioral Manifestations+ "	medline pubmed psyclit cinahl psycinfo not "psycinfo database" web of science scopus embase systematic* n3 review* systematic* n3 bibliographic* systematic* n3 literature comprehensive* n3 literature comprehensive* n3 bibliographic* integrative n3 review information n2 synthesis data n2 synthesis data n2 extract*

		MH "Delirium" MH "Substance Abuse+" MH "Depression+" MH "Depression, Postpartum" MH "Anxiety+" MH "Panic Disorder" MH "Phobic Disorders+" schizophreni* "delusional disorder*" bipolar or "bi polar" n5 disorder* or depress* cyclothymi* or rapid or ultradian n5 cycl* BD BD1 BD2 BDi BDii hypomani* mania* manic* "mixed episode*" Rcbd "acute stress disorder*" "adjustment disorder*" "adjustment reaction*" "transient situational disorder*" "post-traumatic stress" "posttraumatic neurosis" "posttraumatic psych*" "posttraumatic stress" "posttraumatic syndrome" PTSD "traumatic stress" somatization somatisation "conversion hysteri*" "conversion disorder*" "conversion neurosis" "body dysmorphic disorder*" Dysmorphophobia hypochondri* "illness anxiety disorder*"	
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		"somatic symptom disorder*" "somatoform disorder*" "functional disorder*" "functional illness" "functional impairment*" "factitious disorder*" "factitious illness*" "factitious disease*" "dissociative disorder*" "anorexia nervosa" "bulimia nervosa" "personality disorder*" "personality change*" "personality disturbance*" MH "Personality Disorders+" MH "Bulimia Nervosa" MH "Anorexia Nervosa" MH "Dissociative Disorders+" MH "Somatoform Disorders+" MH "Adjustment Disorders+" MH "Stress Disorders, Post-Traumatic+" MH "Bipolar Disorder+" MH "Schizophrenia+"	
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## Scopus

"prevalence"	"general hospital inpatients"	"psychiatric disorder"	"systematic review or meta-analysis"
prevalen* inciden* frequen* rate* occurr*	"district hospital*" "general hospital*" "tertiary hospital*" "teaching hospital*" "medical centre*" "medical center*" "general medical ward* W/4 patient* hospital* W/4 patient* inpatient* hospitalisation hospitalization "hospital unit*" patient* hospital* admission admit*	"organic brain disease*" "organic brain syndrome*" dement* alzheimer* lewy* W/2 bod* deliri* "acute confus*" "acute organic psychosyndrome" "acute brain syndrome" "metabolic encephalopathy" "acute psycho-organic syndrome" "clouded state" "clouding of consciousness" "exogenous psychosis" "toxic psychosis" "toxic confusion" abstin* abstain* abuse* addict* dependen* misuse overdose withdrawal depression depress* W/2 symptom* depress* W/2 mood depressi* W/3 disorder* depressi* W/3 symptom neurotic* neurosis* anxiety panic agoraphobi* obsess* compulsi* phobi* schizophreni* "delusional disorder*"	comprehensive* integrative systematic* W/3 bibliographic* systematic* W/3 review* systematic* W/3 literature meta-analy* metaanaly* "research synthesis" information data ) W/3 synthesis data W/2 extract* cinahl cochrane W/3 trial* embase medline psyclit psycinfo and not "psycinfo database" pubmed scopus "sociological abstracts" "web of science" review W/5 rationale review W/5 evidence "literature review"

		bipolar or "bi polar" W/5 disorder* or depress* cyclothymi* or rapid or ultradian W/5 cycl* bd bd1 bd2 bdi bdii hypomani* mania* manic* "mixed episode*" rcbd "acute stress disorder*" "adjustment disorder*" "adjustment reaction*" "transient situational disorder*" "post-traumatic stress" "posttraumatic neurosis" "posttraumatic psych*" "posttraumatic stress" "posttraumatic syndrome" ptsd "traumatic stress" somatization somatisation "conversion hysteri*" "conversion disorder*" "conversion neurosis" "body dysmorphic disorder*" dysmorphophobia hypochondri* "illness anxiety disorder*" "somatic symptom disorder*" "somatoform disorder*" "functional disorder*" "functional illness" "functional impairment*" "factitious disorder*" "factitious illness*" "factitious disease*" "dissociative disorder*" "anorexia nervosa"	
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		"bulimia nervosa" "personality disorder*" "personality change*" "personality disturbance*"	
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