

## **Supplementary Appendix**

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

Supplement to:

### **The Prevalence of Depression in General Hospital Inpatients: A Systematic Review and Meta-Analysis of Interview Based Studies**

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## Search Strategy: MEDLINE

- 1 prevalence/
- 2 incidence/
- 3 prevalen\*.ti,ab.
- 4 inciden\*.ti,ab.
- 5 frequen\*.ti,ab.
- 6 rate\*.ti,ab.
- 7 occurr\*.ti,ab.
- 8 1 or 2 or 3 or 4 or 5 or 6 or 7
- 9 Hospitals, District/
- 10 Hospitals, General/
- 11 Tertiary Care Centers/
- 12 exp Hospitals, Teaching/
- 13 "district hospital\*".ti,ab.
- 14 "general hospital\*".ti,ab.
- 15 "tertiary hospital\*".ti,ab.
- 16 "teaching hospital\*".ti,ab.
- 17 "medical centre\*".ti,ab.
- 18 "medical center\*".ti,ab.
- 19 "general medical".ti,ab.
- 20 (ward\* adj4 patient\*).ti,ab.
- 21 (hospital\* adj4 patient\*).ti,ab.
- 22 Inpatients/
- 23 in\$patient\*.ti,ab.
- 24 Hospitalization/
- 25 Hospital Units/
- 26 Patient Admission/
- 27 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26
- 28 Depression/
- 29 depression.ti,ab.
- 30 exp Depressive Disorder/
- 31 (depress\$3 and (symptom\$ or mood)).ti,ab.
- 32 Depression, Postpartum/
- 33 (depressi\$ adj3 disorder\$).tw.
- 34 (depressi\$ adj3 symptom\$).tw.
- 35 Mental Disorders/di, ep [Diagnosis, Epidemiology]
- 36 28 or 29 or 30 or 31 or 32 or 33 or 34 or 35
- 37 8 and 27 and 36

## Search strategy: Embase

- 1 prevalence/
- 2 incidence/
- 3 prevalen\*.ti,ab.
- 4 inciden\*.ti,ab.
- 5 frequen\*.ti,ab.
- 6 rate\*.ti,ab.
- 7 occurr\*.ti,ab.
- 8 1 or 2 or 3 or 4 or 5 or 6 or 7
- 9 public hospital/
- 10 general hospital/
- 11 tertiary care center/
- 12 exp teaching hospital/
- 13 "district hospital\*".ti,ab.
- 14 "general hospital\*".ti,ab.
- 15 "tertiary hospital\*".ti,ab.
- 16 "teaching hospital\*".ti,ab.
- 17 "medical centre\*".ti,ab.
- 18 "medical center\*".ti,ab.
- 19 "general medical".ti,ab.
- 20 (ward adj4 patient\*).ti,ab.
- 21 (hospital\* adj4 patient\*).ti,ab.
- 22 hospital patient/
- 23 in\$patient\*.ti,ab.
- 24 hospitalization/
- 25 "hospital subdivisions and components"/
- 26 hospital admission/
- 27 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26
- 28 exp depression/
- 29 depression.ti,ab.
- 30 (depress\$3 and (symptom\$ or mood)).ti,ab.
- 31 puerperal depression/
- 32 (depressi\$ adj3 disorder\$).tw.
- 33 (depressi\$ adj3 symptom\$).tw.
- 34 mental disease/di, ep [Diagnosis, Epidemiology]
- 35 28 or 29 or 30 or 31 or 32 or 33 or 34
- 36 8 and 27 and 35

## Search strategy: PsycINFO

- 1 epidemiology/
- 2 prevalen\*.ti,ab.
- 3 inciden\*.ti,ab.
- 4 frequen\*.ti,ab.
- 5 rate\*.ti,ab.
- 6 occurr\*.ti,ab.
- 7 1 or 2 or 3 or 4 or 5 or 6
- 8 exp Major Depression/
- 9 Atypical Depression/
- 10 (depress\$ adj3 (patient\$ or symptom\$ or disorder\$)).ti,ab.
- 11 "depression (emotion)"/
- 12 (depressi\$ adj3 disorder\$).tw.
- 13 (depressi\$ adj3 symptom\$).tw.
- 14 depression.ti,ab.
- 15 Mental Disorders/
- 16 exp Mental Disorders due to General Medical Conditions/
- 17 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16
- 18 "district hospital\*".ti,ab.
- 19 "general hospital\*".ti,ab.
- 20 "tertiary hospital\*".ti,ab.
- 21 "teaching hospital\*".ti,ab.
- 22 "medical centre\*".ti,ab.
- 23 "medical center\*".ti,ab.
- 24 "general medical".ti,ab.
- 25 (ward\* adj4 patient\*).ti,ab.
- 26 (hospital\* adj4 patient\*).ti,ab.
- 27 exp Hospitalized Patients/
- 28 in\$patient\*.ti,ab.
- 29 exp Hospitalization/
- 30 exp Hospital Admission/
- 31 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29 or 30
- 32 7 and 17 and 31

### Studies carried out in specific groups of general hospital inpatients

| Study                                | Clinical characteristics   | Sample size | Age                        | % female | Depression interview (interviewer)                      | Caseness definition          | Depression prevalence (%) |
|--------------------------------------|--|-------------|----------------------------|----------|---|------------------------------|---------------------------|
| Aghanwa 2002 (Nigeria <sup>1</sup> ) | Inpatients in a gastroenterology unit in a university hospital with a diagnosis of liver cirrhosis     | 31          | Age (mean, SD): 44.3, 13.1 | 38.7%    | Present State Examination (not stated)                  | Depressive episode (ICD-10)  | 22.6                      |
| Alexander 1993 (India <sup>1</sup> ) | Inpatients in an oncology unit with a primary diagnosis of cancer                                      | 60          | Age (mean, SD) 53.2, 13.9  | 40%      | Clinical interview (psychiatrist)                       | Major depression (DSM-III-R) | 13                        |
| Annagur 2013 (Turkey <sup>2</sup> )  | Pregnant women in an inpatient obstetric clinic with a diagnosis of hyperemesis gravidarum, aged 20-40 | 47          | Age (mean, SD) 27.38, 5.27 | 100%     | Structured Clinical Interview for DSM-IV (psychiatrist) | Major depression (DSM-IV)    | 14.9                      |

|   |   |  |   |  |  |                              |  |
|---|---|--|---|--|--|------------------------------|--|
| Arnold 1996<br>(USA <sup>3</sup> )        | Inpatients in a 24-hour video/EEG monitoring unit in a university hospital who had a seizure during admission                           | Diagnosis of psychogenic seizures: 14<br><br>Diagnosis of epileptic seizures: 27 | Age (mean):<br>Diagnosis of psychogenic seizures: 33<br>Diagnosis of epileptic seizures: 35 | Diagnosis of psychogenic seizures: 64%<br>Diagnosis of epileptic seizures: 48% | Structured Clinical Interview for DSM-III-R (psychiatrist)   | Major depression (DSM-III-R) | Diagnosis of psychogenic seizures: 21<br><br>Diagnosis of epileptic seizures: 18 |
| Atesci 2004<br>(Turkey <sup>2</sup> )     | Inpatients in gynaecology, oncology, medical and surgical wards in a university hospital with a diagnosis of cancer (post-chemotherapy) | 117  | Age (mean, SD):<br>53.7, 14.2   | 51.3%  | Structured Clinical Interview for DSM-IV (psychiatrist)      | Major depression (DSM-IV)    | 13.7   |
| Baubet 2011<br>(France <sup>3</sup> )     | Inpatients in internal medicine departments with a diagnosis of systemic sclerosis, hospitalised for $\geq 1$ day                       | 49   | Age (median, IQR)<br>53, 44-60 <sup>a</sup>   | 86% <sup>a</sup>   | Mini International Neuropsychiatric Interview (psychiatrist) | Major depression (DSM-IV)    | 28   |
| Blomstedt 1996<br>(Finland <sup>3</sup> ) | Inpatients in a department of neurosurgery in a university hospital admitted for surgical removal of acoustic neuroma (pre-operative)   | 27   | Age (median, range)<br>49, 17-64  | 55.6%*   | Clinical interview (psychiatrist)                            | Major depression (DSM-III-R) | 7.4*   |

|   |  |     |  |       |  |                              |     |
|---|--|-----|--|-------|--|------------------------------|-----|
| Blumel 2005<br>(Chile <sup>3</sup> )      | Inpatients in a general hospital with a diagnosis of acute myocardial infarction, hospitalised for ≥5 days                                   | 47  | Age<br>(mean, SD)<br>59.8, 9.5                     | 31.9  | Composite International Diagnostic Interview (trained interviewer)                   | Major depression (DSM-IV)    | 6.4 |
| Dogar 2008<br>(Pakistan <sup>1</sup> )    | Inpatients in a cardiac unit in a tertiary care hospital   | 100 | Age<br>(mean, SD):<br>52.2, 11.12                  | 40%   | Clinical interview (not stated)  | Depressive disorder (DSM-IV) | 52  |
| Dyster-Aas 2008<br>(Sweden <sup>3</sup> ) | Inpatients in a national burns unit in a university hospital with ≥5% burns or hospitalised for >1 day                                       | 73  | Age<br>(mean, SD, range)<br>43.4, 15.6,<br>19-89   | 27.4* | Structured Clinical Interview for DSM-IV (psychiatrist or trained interviewer)       | Major depression (DSM-IV)    | 16  |
| Fritzsche 2003<br>(Germany <sup>3</sup> ) | Inpatients in a general haematological oncology ward, and bone marrow transplantation unit in a university hospital, hospitalised for ≥48hrs | 72  | Age<br>(mean, SD, range)<br>48.32, 5.39,<br>19-87. | 46%   | Diagnostic Interview for Psychiatric Disorders – short version (trained interviewer) | Depressive episode (ICD-10)  | 6   |

|  |  |     |   |        |   |   |      |
|--|--|-----|---|--------|---|---|------|
| Hardman 1989<br>(UK <sup>3</sup> )         | Inpatients in a medical oncology unit  | 126 | Age<br>(mean):<br>46.1  | 43%*   | Standardised<br>Psychiatric Interview<br>(psychiatrist)             | Depression<br>(ICD-9)   | 3.2* |
| Heeren 1985<br>(Netherlands <sup>3</sup> ) | Inpatients in an endocrinology department in a university hospital, aged ≥65 years                         | 87  | 41.4%<br>aged 65-74<br><br>54.0%<br>aged 75-84<br><br>4.6%<br>aged 85-94                          | 64.4%* | Clinical interview<br>(psychiatrist)                                | Major depression<br>(DSM-III)   | 6.9* |
| Kishi 1994<br>(USA <sup>3</sup> )          | Inpatients in a spinal cord injury unit with a diagnosis of spinal cord injury                             | 60  | Age<br>(median):<br>Major depression:<br>23<br>Minor depression:<br>23<br>No mood disorder:<br>29 | 13.3%  | Modified Present<br>State Exam<br>(not stated)                      | Major depression<br>(DSM-III)   | 21.7 |
| Kugaya<br>2000<br>(Japan <sup>3</sup> )    | Inpatients in a national cancer centre with a new diagnosis of squamous cell carcinoma of the head or neck | 107 | Age<br>(mean, SD):<br>61.0, 11.8  | 24%    | Structured Clinical<br>Interview for<br>DSM-III-R<br>(psychiatrist) | Major depression<br>(DSM-III-R, excluded<br>physical symptoms<br>when clearly due to<br>cancer) | 3.7  |

|   |  |     |  |       |  |                                |       |
|---|--|-----|--|-------|--|--------------------------------|-------|
| Lykouras 1996<br>(Greece <sup>3</sup> )   | Inpatients in a neurology department in a university hospital                                      | 107 | Age<br>(mean):<br>43.7   | 53%*  | Structured Clinical Interview for DSM-III-R (psychiatrist)                                     | Major depression (DSM-III-R)   | 15    |
| Madianos 2001<br>(Greece <sup>3</sup> )   | Inpatients in a burns unit in a general hospital   | 45  | Age<br>(mean, SD):<br>Males:<br>40.1, 13.5<br>Females:<br>52.6, 20.9 | 44.4* | Structured Clinical Interview for DSM-III-R (psychiatrist)                                     | Major depression (DSM-III-R)   | 4.4   |
| Ng 1995<br>(Singapore <sup>3</sup> )      | Inpatients in a tertiary rehabilitation centre of a government hospital with a diagnosis of stroke | 52  | Age<br>(mean):<br>60   | 44%   | Clinical interview (authors)   | Depressive illness (DSM-III-R) | 55.8* |
| O'Riordan 1989<br>(Ireland <sup>3</sup> ) | Inpatients in an acute medical geriatric assessment ward   | 111 | Age<br>(mean, range):<br>80, 66-98                                   | 66.6% | Stage 1: Geriatric Depression Scale (cut-off ≥8)<br>Stage 2: Clinical interview (psychiatrist) | Major depression (DSM-III)     | 4.5   |

|  |  |     |  |       |  |   |     |
|--|--|-----|--|-------|--|---|-----|
| Palmu<br>2010, 2011<br>(Finland <sup>3</sup> ) | Inpatients in a national burns unit<br>in a university hospital  | 107 | Age<br>(mean, SD):<br>45.4, 16.4             | 29.9% | Structured Clinical<br>Interview for<br>DSM-IVTR<br>(psychiatrist)                                       | Major depression<br>(DSM-IV-TR)                                   | 3.7 |
| Petrak<br>2003<br>(Germany <sup>3</sup> )      | Inpatients in inpatient clinics with<br>newly diagnosed<br>type 1 diabetes aged 17-40  | 313 | Age<br>(mean, SD):<br>28.2, 6.3              | 37.7% | Diagnostic Interview<br>for Mental Disorders<br>short version<br>(psychologist)                          | Major depression<br>(DSM-IV)                                      | 5.8 |
| Prieto<br>2002<br>(Spain <sup>3</sup> )        | Inpatients in a stem cell<br>transplant unit with<br>haematological malignancy<br>hospitalised for first stem cell<br>transplant | 220 | Age<br>(mean, range):<br>38.0, 16-65         | 41%   | Structured<br>psychiatric interview<br>(psychiatrist)  | Major depression<br>(DSM-IV, exclusive<br>approach <sup>a</sup> ) | 8.2 |
| Regvat 2011<br>(Slovenia <sup>3</sup> )        | Inpatients in a department of<br>pulmonary diseases in a<br>university hospital with a<br>diagnosis of COPD exacerbation         | 50  | Age<br>(mean, SD):<br>2.4, 8.4               | 30%*  | Structured Clinical<br>Interview for PRIME-<br>MD (anxiety and<br>mood disorders<br>section)<br>(doctor) | Major depression<br>(DSM-III-R)                                   | 6   |
| Singer<br>2013<br>(Germany <sup>3</sup> )      | Inpatients in inpatient clinics with<br>a diagnosis of cancer treated with<br>curative intent, aged ≤55                          | 502 | 33.9%<br>aged <45<br><br>66.1%<br>aged 44-55 | 46.6% | Structured Clinical<br>Interview for DSM-IV<br>(trained interviewer)                                     | Major depression<br>(DSM-IV)                                      | 6.2 |

|   |   |    |   |                     |   |                                 |       |
|---|---|----|---|---------------------|---|---------------------------------|-------|
| Snyder 1992<br>(USA <sup>3</sup> )              | Inpatients in medical wards and a specialised AIDS unit in a university hospital with a diagnosis of AIDS   | 42 | Age<br>(mean, SD):<br>36.4, 9.9   | 23.8%*              | Structured Clinical<br>Interview for<br>DSM-III-R<br>(psychiatrist) | Major depression<br>(DSM-III-R) | 2.4*  |
| Starkstein<br>1988<br>(USA <sup>3</sup> )       | Inpatients in a university hospital admitted with strokes of the posterior circulation (PC) territory or middle cerebral artery (MCA) territory                       | 79 | Age (mean, SD):<br>PC:<br>59.7, 12.1<br>MCA:<br>60.4, 13.5  | PC: 30%<br>MCA: 42% | Modified Present<br>State Examination<br>(not stated)               | Major depression<br>(DSM-III)   | 19.0* |
| Turner 2011<br>(Italy <sup>3</sup> )            | Inpatients in a video/EEG monitoring unit in a university hospital with epilepsy and/or psychogenic non-epileptic seizures (PNES) who had a seizure during admission  | 53 | Age (mean, SD):<br>Epilepsy group:<br>37.3, SD=10.5<br><br>PNES group:<br>40.2, 14.5<br><br>Epilepsy associated<br>with PNES: 39.2,<br>12.8 | 64%*                | Structured Clinical<br>Interview for<br>DSM-IVTR<br>(not stated)    | Major depression<br>(DSM-IV-TR) | 7.5*  |
| Yellowlees<br>1987<br>(Australia <sup>3</sup> ) | Inpatients in a respiratory unit with chronic airflow obstruction <sup>b</sup> , aged ≥40 years and with ≥1 previous hospital admission caused by respiratory disease | 50 | Age<br>(mean, SD, range)<br>65, 9.9, 40-81  | 36%*                | Clinical interview<br>(psychiatrist)                                | Major depression<br>(DSM-III)   | 12    |

|                                       |  |     |  |       |   |                              |      |
|---------------------------------------|--|-----|--|-------|---|------------------------------|------|
| Zhao<br>2014<br>(China <sup>2</sup> ) | Inpatients in an oncology ward in<br>a university hospital with a<br>diagnosis of cancer | 460 | Age<br>(mean, SD, range)<br>59.4, 12.0,<br>20-99 | 50.9% | Mini International<br>Neuropsychiatric<br>Interview<br>(psychiatrist) | Major depression<br>(DSM-IV) | 12.6 |
|---------------------------------------|--|-----|--|-------|---|------------------------------|------|

DSM=Diagnostic and Statistical Manual of Mental Disorders, ICD=International Classification of Diseases, VA=Veterans Affairs. \*Calculated using data from paper. <sup>1</sup> Lower-middle income country, <sup>2</sup>Upper-middle income country, <sup>3</sup>High income country (World Bank classification). <sup>a</sup> Excluded anorexia and fatigue and required 4 of 7 symptoms for diagnosis. <sup>b</sup> Chronic bronchitis, emphysema or chronic asthma with a significant irreversible component.

**Map of countries where the studies were done**



**Explorations of heterogeneity in studies of general medical and surgical inpatients included in the review**

**Figure A1: Scatter plot of depression prevalence in each study against year of study publication**

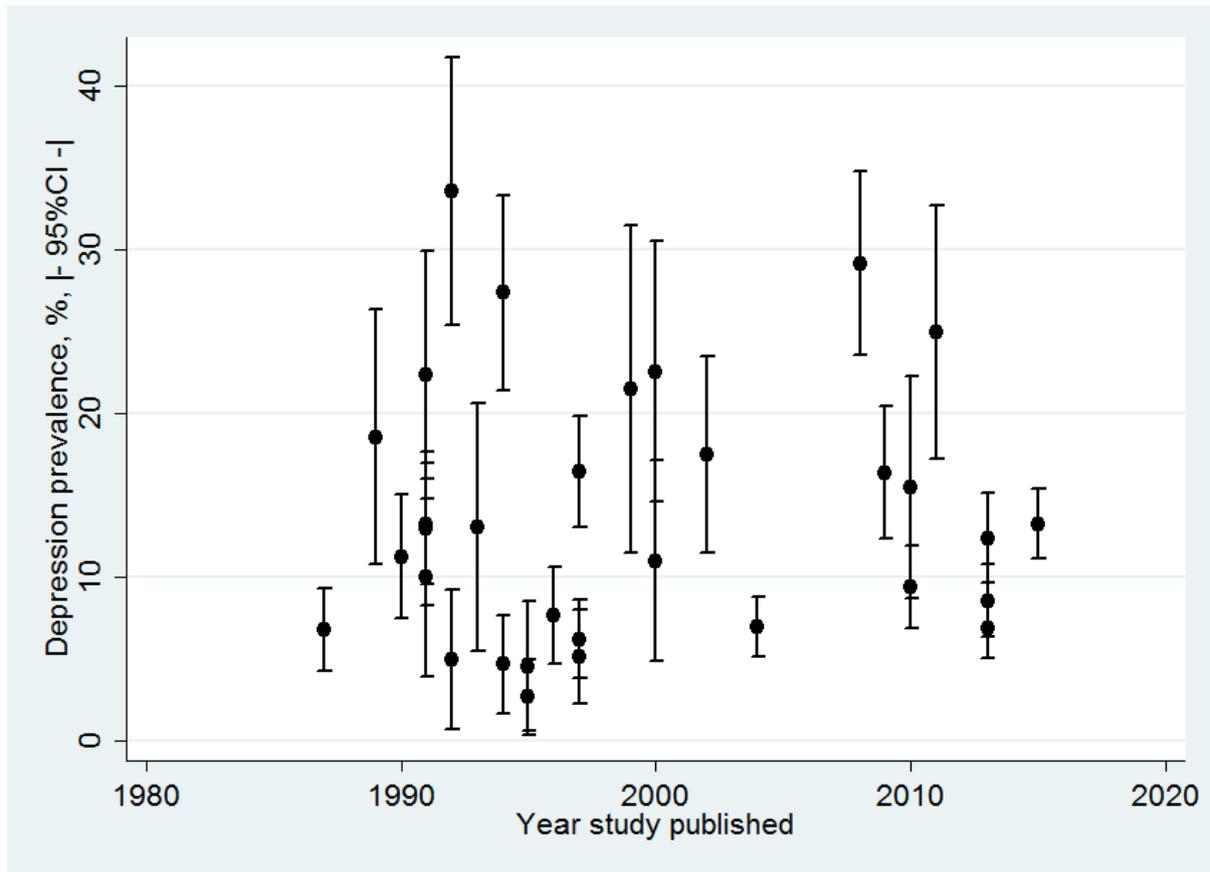


Figure A2: Scatter plot of depression prevalence in each study against sample size

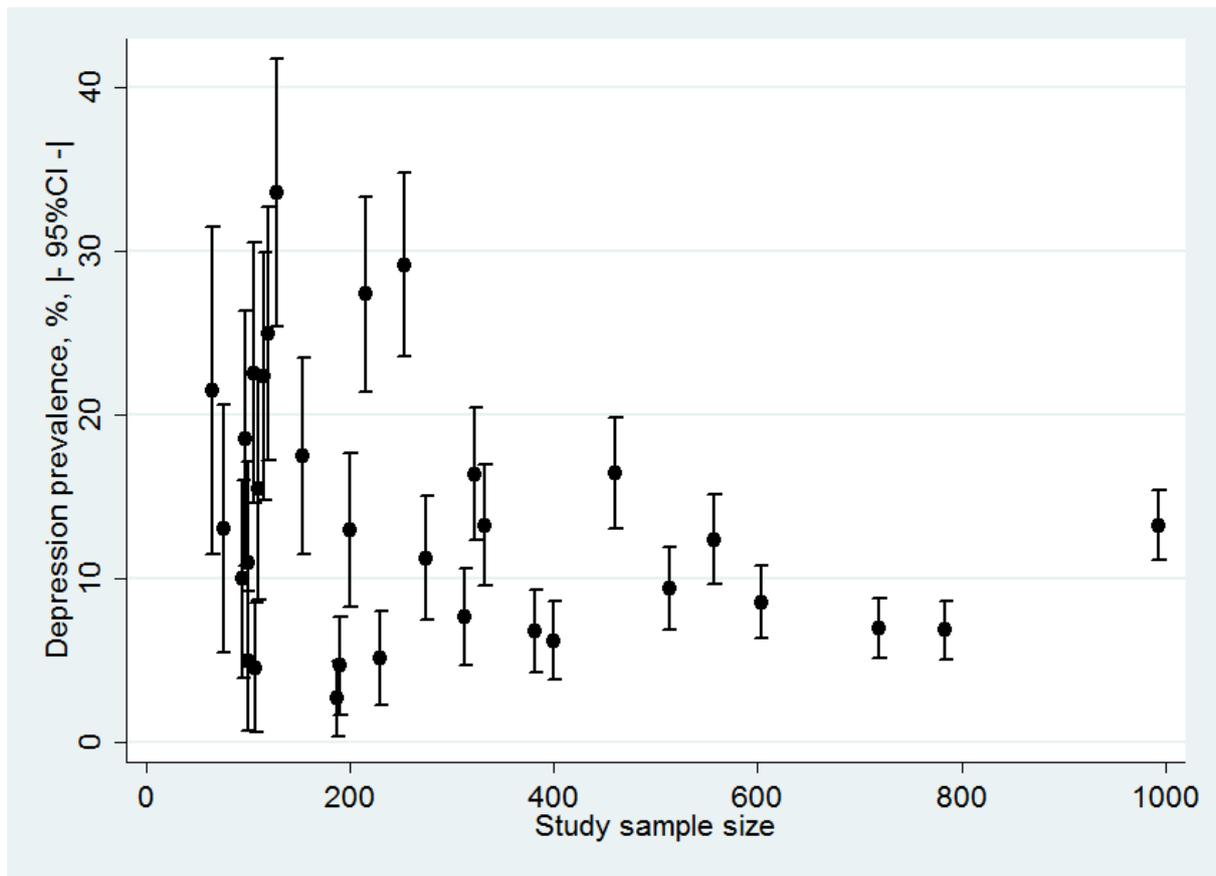


Figure A3: Scatter plot of depression prevalence in each study against average participant age

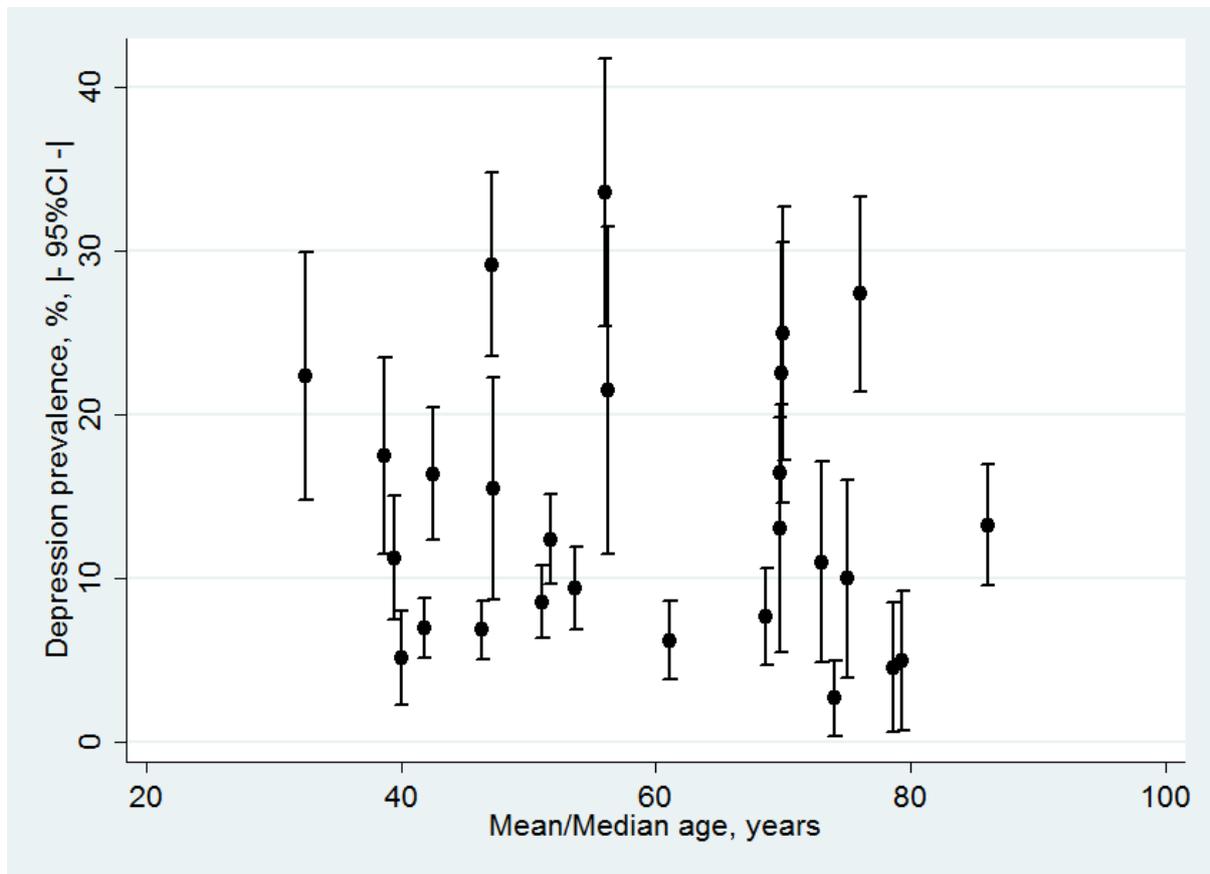
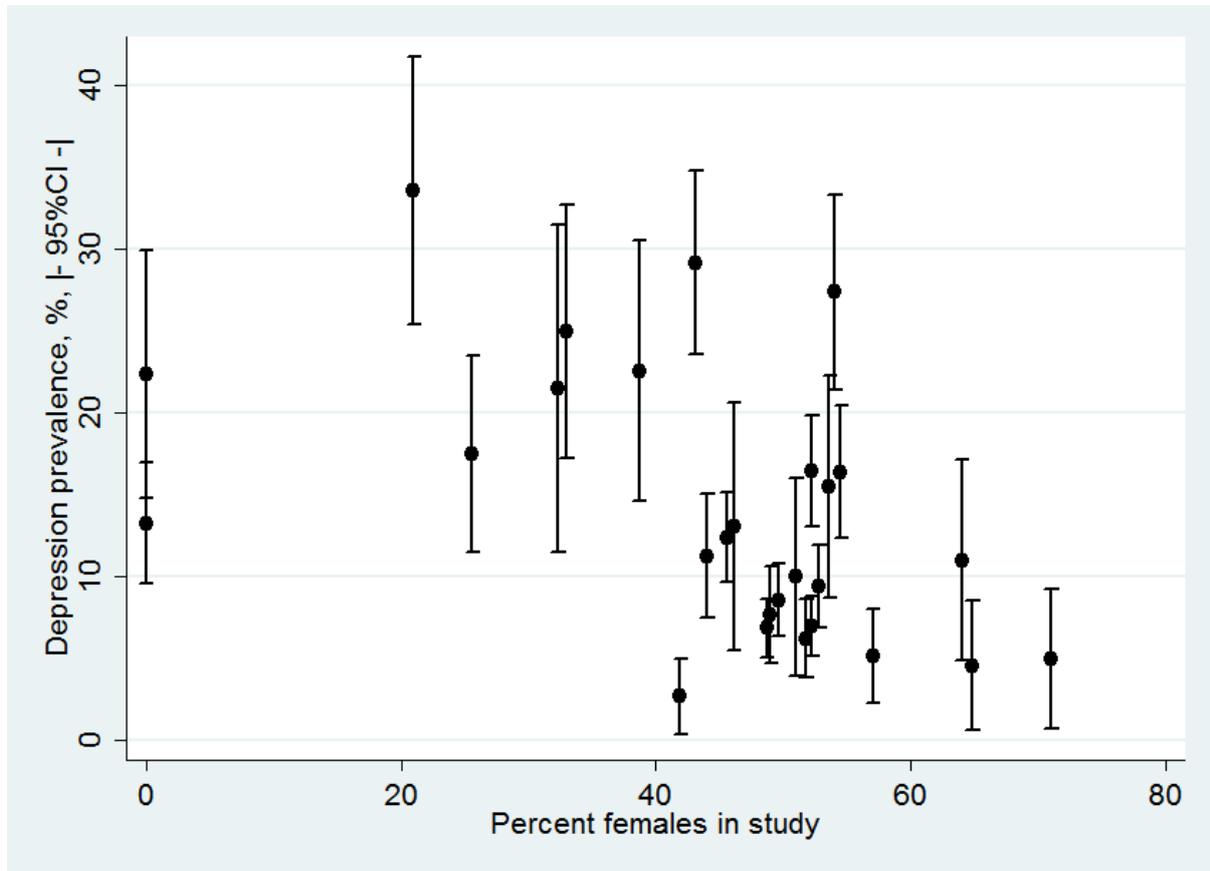
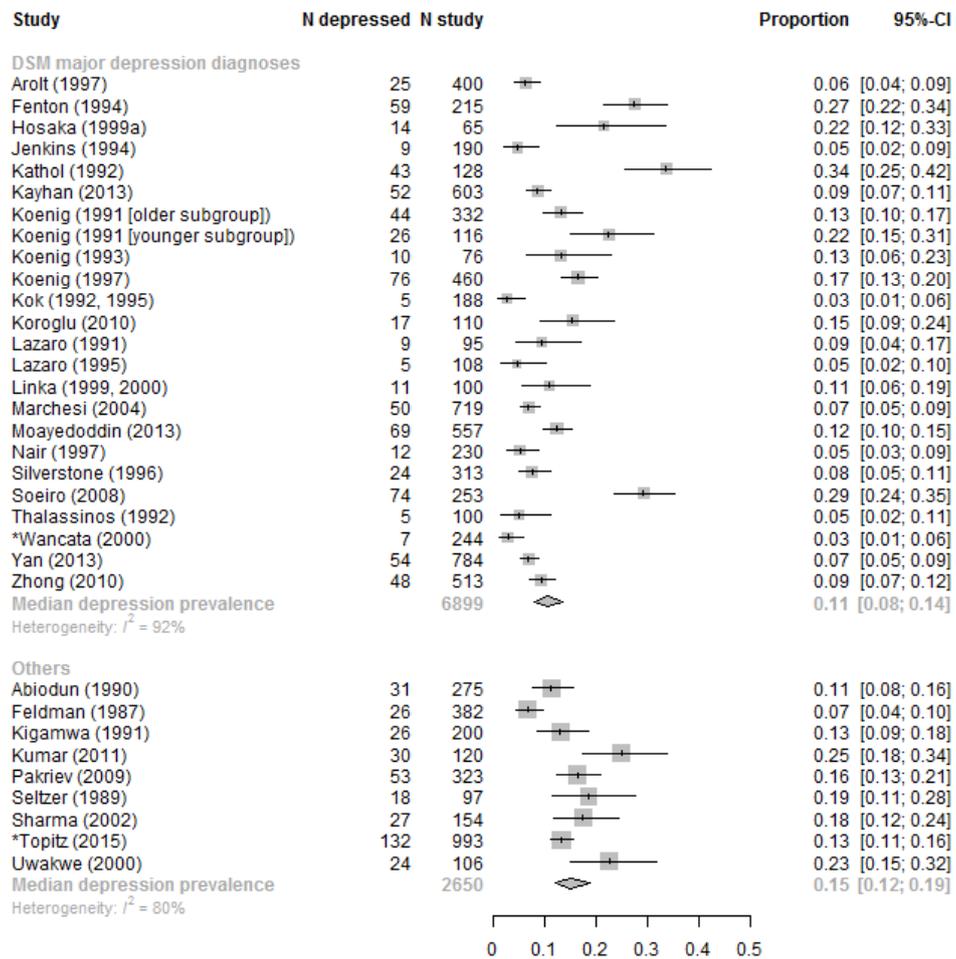


Figure A4: Scatter plot of depression prevalence in each study against percentage of female participants

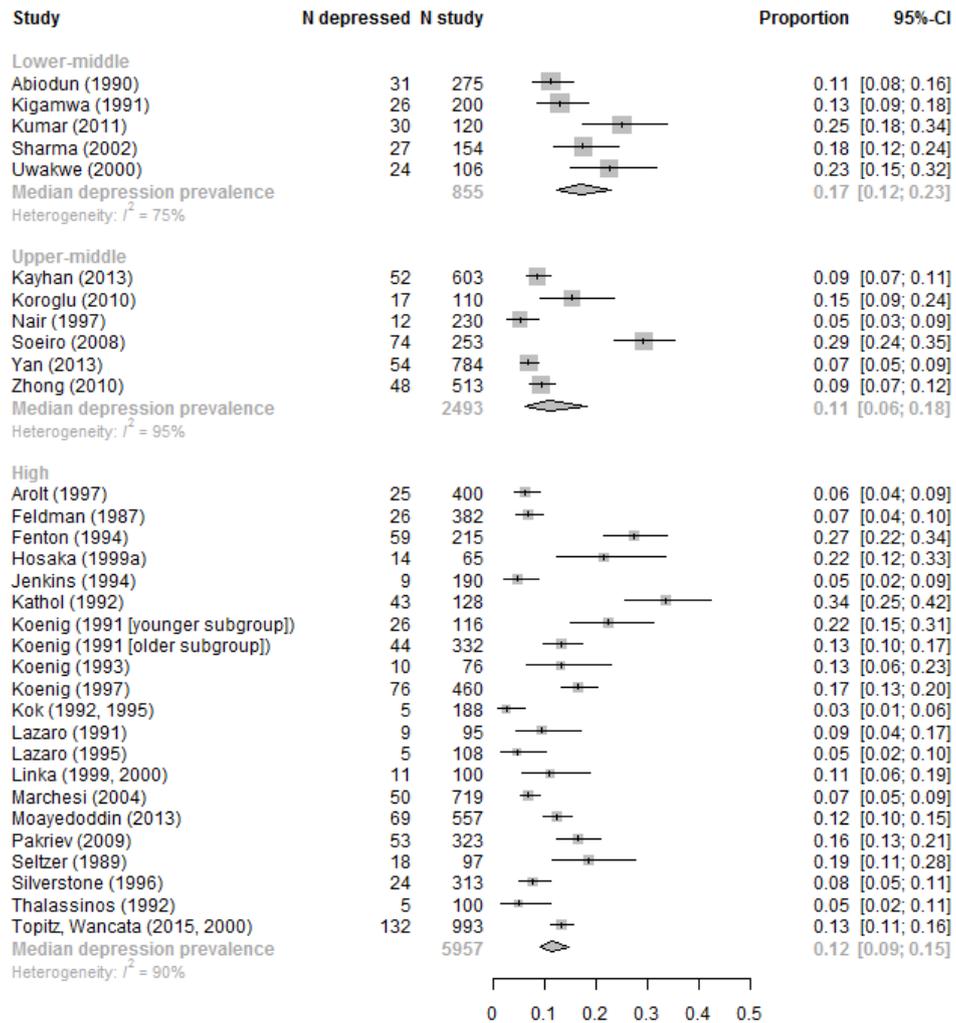


**Figure A5: Forest plot of depression prevalence in each study grouped by use of DSM major depression versus other diagnostic criteria for depression**



\*Wancata (2000) refers to a subgroup of Topitz (2015)

**Figure A8: Forest plot of depression prevalence in each study included in the review grouped by national income of the country where the study took place**



## Quality assessment of relevant studies

| Study  | Consecutive or Random Sample | Caseness Clearly Defined | Data available on ≥70% eligible participants |
|--|------------------------------|--------------------------|--|
| Aben 2003(Aben <i>et al.</i> , 2003)           | Yes                          | Yes                      | No   |
| Abidi 2003(Abidi and Gadit, 2003)              | Yes                          | Yes                      | Unknown                                      |
| Abiodun 1990(Abiodun and Ogunremi, 1990)       | Yes                          | Yes                      | Yes  |
| Aghanwa 2002(Aghanwa and Ndububa, 2002)        | Yes                          | Yes                      | Yes  |
| Agrell 1994(Agrell and Dehlin, 1994)           | Yes                          | Yes                      | No   |
| Alexander 1993(Alexander <i>et al.</i> , 1993) | Yes                          | Yes                      | Yes  |
| Alexander 1994(Alexander <i>et al.</i> , 1994) | Unknown                      | Yes                      | Yes  |
| Ames 1994(Ames <i>et al.</i> , 1994)           | No                           | Yes                      | Unknown                                      |
| Annagur 2013(Annagür <i>et al.</i> , 2013)     | Yes                          | Yes                      | Yes  |
| Aoki 1995(Aoki, 1995)                          | Yes                          | Yes                      | Unknown                                      |
| Arnold 1996(Arnold and Privitera, 1996)        | Yes                          | Yes                      | Yes  |
| Arolt 1996(Arolt and Driessen, 1996)           | Yes                          | Yes                      | Yes  |
| Arolt 1997(Arolt <i>et al.</i> , 1997)         | Yes                          | Yes                      | Yes  |
| Atesci 2000(Atesci <i>et al.</i> , 2000)       | Yes                          | Yes                      | Unknown                                      |
| Atesci 2004(Atesci <i>et al.</i> , 2004)       | Yes                          | Yes                      | Yes  |
| Aydin 2001(Aydin and Ulusahin, 2001)           | Yes                          | Yes                      | Unknown                                      |
| Baubet 2011(Baubet <i>et al.</i> , 2011)       | Yes                          | Yes                      | Yes  |
| Bickel 1993(Bickel <i>et al.</i> , 1993)       | Unknown                      | Unknown                  | Yes  |
| Blomstedt 1996(Blomstedt <i>et al.</i> , 1996) | Yes                          | Yes                      | Yes  |
| Blumel 2005(Blumel <i>et al.</i> , 2005)       | Yes                          | Yes                      | Yes  |
| Boerner 1999(Boerner and Kapfhammer, 1999)     | Yes                          | Yes                      | Unknown                                      |
| Boizonave 2003(Boizonave and de Barros, 2003)  | Unknown                      | Yes                      | Unknown                                      |
| Booth 1998(Booth <i>et al.</i> , 1998)         | Yes                          | Yes                      | Unknown                                      |

|  |         |     |         |
|--|---------|-----|---------|
| Botega 1995(Botega <i>et al.</i> , 1995)         | Yes     | No  | Yes     |
| Brandon 2008(Brandon <i>et al.</i> , 2008)       | Yes     | Yes | Unknown |
| Bridges 1984(Bridges and Goldberg, 1984)         | Yes     | No  | Yes     |
| Bryant 2009(Bryant <i>et al.</i> , 2009)         | Yes     | No  | Yes     |
| Bunevicius 2005(Bunevicius <i>et al.</i> , 2005) | Unknown | Yes | Unknown |
| Burn 1993(Burn <i>et al.</i> , 1993)             | Yes     | Yes | No      |
| Cheah 1980(Ceah and Beard, 1980)                 | Yes     | No  | Yes     |
| Chochinov 1994(Chochinov <i>et al.</i> , 1994)   | Yes     | Yes | Unknown |
| Cigognini 2006(Cigognini and Furlanetto, 2006)   | Yes     | Yes | Unknown |
| Cooper 1987(Cooper, 1987)                        | Unknown | No  | Yes     |
| Coskun 2005(Coskun <i>et al.</i> , 2005)         | Unknown | Yes | Unknown |
| Costa 2006(Costa <i>et al.</i> , 2006)           | Yes     | Yes | Unknown |
| Dicker 2011(Dicker <i>et al.</i> , 2011)         | Unknown | Yes | No      |
| Dogar 2008(Dogar <i>et al.</i> , 2008)           | Yes     | Yes | Yes     |
| Dos Santos 1991(dos Santos <i>et al.</i> , 1991) | Unknown | Yes | Unknown |
| Driessen 1996(Driessen <i>et al.</i> , 1996)     | Yes     | Yes | Unknown |
| Dyster-Aas 2008(Dyster-Aas <i>et al.</i> , 2008) | Yes     | Yes | Yes     |
| Elliott 1996(Elliott <i>et al.</i> , 1996)       | Unknown | Yes | Unknown |
| Evans 1986(Evans <i>et al.</i> , 1986)           | Yes     | Yes | No      |
| Fava 1984(Fava <i>et al.</i> , 1984)             | Yes     | Yes | Unknown |
| Fava 1985(Fava <i>et al.</i> , 1985)             | Yes     | Yes | Unknown |
| Fedoroff 1991(Fedoroff <i>et al.</i> , 1991)     | Yes     | Yes | Unknown |
| Feldman 1987(Feldman <i>et al.</i> , 1987)       | Yes     | Yes | Yes     |
| Fenton 1994(Fenton <i>et al.</i> , 1994)         | Yes     | Yes | Yes     |
| Forkmann 2011(Forkmann <i>et al.</i> , 2011)     | Yes     | Yes | Unknown |
| Forrester 1992(Forrester <i>et al.</i> , 1992)   | Yes     | Yes | No      |

|  |         |         |         |
|--|---------|---------|---------|
| Freedland 1991(Freedland <i>et al.</i> , 1991)       | Unknown | Yes     | Unknown |
| Freedland 2003(Freedland <i>et al.</i> , 2003)       | Yes     | Yes     | No      |
| Fritzsche 2003(Fritzsche <i>et al.</i> , 2003)       | Yes     | Yes     | Yes     |
| Fullerton 1981(Fullerton <i>et al.</i> , 1981)       | Yes     | No      | Yes     |
| Gascon 2012(Gascon <i>et al.</i> , 2012)             | Unknown | Unknown | Unknown |
| Ge 2008(Ge <i>et al.</i> , 2008)                     | Yes     | Yes     | Unknown |
| Giles Gordon 1992(Giles Gordon <i>et al.</i> , 1992) | Yes     | No      | Yes     |
| Gonzalez 1996(Gonzalez <i>et al.</i> , 1996)         | Unknown | Yes     | No      |
| Hansen 2001(Hansen <i>et al.</i> , 2001)             | Yes     | Yes     | No      |
| Hardman 1989(Hardman <i>et al.</i> , 1989)           | Yes     | Yes     | Yes     |
| Harter 2000(Harter <i>et al.</i> , 2000)             | Yes     | Yes     | Unknown |
| Harter 2002a(Harter <i>et al.</i> , 2002a)           | Yes     | Yes     | Unknown |
| Harter 2002b(Harter <i>et al.</i> , 2002b)           | Yes     | Yes     | Unknown |
| Hedayati 2004(Hedayati <i>et al.</i> , 2004)         | Unknown | Yes     | Unknown |
| Heeren 1985(Heeren and Rooymans, 1985)               | Yes     | Yes     | Yes     |
| Hengeveld 1987(Hengeveld <i>et al.</i> , 1987)       | No      | Yes     | Yes     |
| Hosaka 1994a(Hosaka <i>et al.</i> , 1994a)           | Unknown | Yes     | Unknown |
| Hosaka 1994b(Hosaka <i>et al.</i> , 1994b)           | Unknown | Yes     | Unknown |
| Hosaka 1999a(Hosaka <i>et al.</i> , 1999a)           | Yes     | Yes     | Yes     |
| Hosaka 1999b(Hosaka <i>et al.</i> , 1999b)           | Unknown | Yes     | Unknown |
| Jenkins 1994(Jenkins <i>et al.</i> , 1994)           | Yes     | Yes     | Yes     |
| Jiang 2001(Jiang <i>et al.</i> , 2001)               | Unknown | Yes     | Unknown |
| John 2013(John, 2013)                                | Unknown | Yes     | Unknown |
| Kathol 1992(Kathol and Wenzel, 1992)                 | Yes     | Yes     | Yes     |
| Kayhan 2013(Kayhan <i>et al.</i> , 2013)             | Yes     | Yes     | Yes     |

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|--|---------|-----|---------|
| Keller 2004(Keller <i>et al.</i> , 2004)             | Yes     | Yes | No      |
| Kheirabadi 2012(Kheirabadi <i>et al.</i> , 2012)     | Unknown | Yes | Yes     |
| Kigamwa 1991(Kigamwa, 1991)                          | Yes     | Yes | Yes     |
| Kishi 1994(Kishi <i>et al.</i> , 1994)               | Yes     | Yes | Yes     |
| Koenig 1991(Koenig <i>et al.</i> , 1991)             | Yes     | Yes | Yes     |
| Koenig 1993(Koenig <i>et al.</i> , 1993)             | Yes     | Yes | Yes     |
| Koenig 1997(Koenig <i>et al.</i> , 1997)             | Yes     | Yes | Yes     |
| Koenig 1998(Koenig, 1998)                            | Yes     | Yes | Unknown |
| Kok 1992(Kok <i>et al.</i> , 1992)                   | Yes     | Yes | Yes     |
| Kok 1995(Kok <i>et al.</i> , 1995)                   | Yes     | Yes | Yes     |
| Koruglu 2010(Koroglu and Tural, 2010)                | Yes     | Yes | Yes     |
| Krauss 2006(Krauss <i>et al.</i> , 2006)             | Yes     | Yes | No      |
| Krautgartner 2006(Krautgartner <i>et al.</i> , 2006) | Yes     | Yes | No      |
| Kugaya 2000(Kugaya <i>et al.</i> , 2000)             | Yes     | Yes | Yes     |
| Kuhn 1989(Kuhn <i>et al.</i> , 1989)                 | Yes     | Yes | No      |
| Kumar 2011(Kumar <i>et al.</i> , 2011)               | Yes     | Yes | Yes     |
| Lazaro 1991(Lazaro <i>et al.</i> , 1991)             | Yes     | Yes | Yes     |
| Lazaro 1995(Lazaro <i>et al.</i> , 1995)             | Yes     | Yes | Yes     |
| Leung 1992(Leung <i>et al.</i> , 1992)               | Yes     | Yes | No      |
| Linka 1999(Linka <i>et al.</i> , 1999)               | Yes     | Yes | Yes     |
| Linka 2000(Linka <i>et al.</i> , 2000)               | Yes     | Yes | Yes     |
| Lykouras 1996(Lykouras <i>et al.</i> , 1996)         | Yes     | Yes | Yes     |
| Madianos 2001(Madianos <i>et al.</i> , 2001)         | Yes     | Yes | Yes     |
| Marchesi 2004(Marchesi <i>et al.</i> , 2004)         | Yes     | Yes | Yes     |
| Martin 1977(Martin <i>et al.</i> , 1977)             | Yes     | No  | Yes     |
| Martucci 1999(Martucci <i>et al.</i> , 1999)         | Yes     | Yes | No      |

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|--|---------|---------|---------|
| McCaffrey 2007(McCaffrey <i>et al.</i> , 2007)     | Unknown | Yes     | No      |
| Meroni 2013(Meroni <i>et al.</i> , 2013)           | Yes     | Yes     | Unknown |
| Michopoulos 2010(Michopoulos <i>et al.</i> , 2010) | Yes     | Yes     | Unknown |
| Moayedoddin 2013(Moayedoddin <i>et al.</i> , 2013) | Yes     | Yes     | Yes     |
| Mohammed 2014(Mohammed <i>et al.</i> , 2014)       | No      | Unknown | Yes     |
| Mohapatra 2005(Mohapatra <i>et al.</i> , 2005)     | Yes     | Yes     | Unknown |
| Nair 1997(Nair and Pillay, 1997)                   | Yes     | Yes     | Yes     |
| Nakasujja 2007(Nakasujja <i>et al.</i> , 2007)     | Yes     | Yes     | Unknown |
| Ng 1995(Ng <i>et al.</i> , 1995)                   | Yes     | Yes     | Yes     |
| Nikolić 2010(Nikolic <i>et al.</i> , 2010)         | Unknown | Yes     | Unknown |
| Nishioka 1990(Nishioka <i>et al.</i> , 1990)       | Unknown | Yes     | Unknown |
| O'Riordan 1989(O'Riordan <i>et al.</i> , 1989)     | Yes     | Yes     | Yes     |
| Owen 2004(Owen, 2004)                              | Unknown | Yes     | Unknown |
| Pakriev 2009(Pakriev <i>et al.</i> , 2009)         | Yes     | Yes     | Yes     |
| Palmu 2010(Palmu <i>et al.</i> , 2010)             | Yes     | Yes     | Yes     |
| Palmu 2011(Palmu <i>et al.</i> , 2011)             | Yes     | Yes     | Yes     |
| Paradiso 1998(Paradiso and Robinson, 1998)         | Yes     | Yes     | Unknown |
| Petrak 2003(Petrak <i>et al.</i> , 2003)           | Yes     | Yes     | Yes     |
| Picardi 2005(Picardi <i>et al.</i> , 2005)         | Unknown | Yes     | Yes     |
| Placidi 1998(Placidi <i>et al.</i> , 1998)         | Yes     | Yes     | Unknown |
| Plumb 1981(Plumb and Holland, 1981)                | Unknown | No      | Unknown |
| Prallet 1990(Prallet <i>et al.</i> , 1990)         | Yes     | No      | Yes     |
| Prieto 2002(Prieto <i>et al.</i> , 2002)           | Yes     | Yes     | Yes     |

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| Purohit 1978(Purohit <i>et al.</i> , 1978)           | Unknown | No  | Yes     |
| Radat 1996(Radat <i>et al.</i> , 1996)               | Unknown | Yes | Unknown |
| Radat 1999(Radat <i>et al.</i> , 1999)               | Yes     | Yes | Unknown |
| Ramsay 1991(Ramsay <i>et al.</i> , 1991)             | Unknown | No  | Yes     |
| Regvat 2011(Regvat <i>et al.</i> , 2011)             | Yes     | Yes | Yes     |
| Rentsch 2007(Rentsch <i>et al.</i> , 2007)           | Yes     | Yes | No      |
| Rukundo 2013(Rukundo <i>et al.</i> , 2013)           | Unknown | Yes | Unknown |
| Scevola 2013(Scevola <i>et al.</i> , 2013)           | Unknown | Yes | Unknown |
| Schleifer 1989(Schleifer and Macari-Hinson, 1989)    | Yes     | Yes | No      |
| Schottke 2001(Schottke <i>et al.</i> , 2001)         | Unknown | Yes | Unknown |
| Seltzer 1989(Seltzer, 1989)                          | Yes     | Yes | Yes     |
| Sharma 2002(Sharma <i>et al.</i> , 2002)             | Yes     | Yes | Yes     |
| Silverstone 1996(Silverstone, 1996)                  | Yes     | Yes | Yes     |
| Singer 2007(Singer <i>et al.</i> , 2007)             | Yes     | Yes | No      |
| Singer 2013(Singer <i>et al.</i> , 2013)             | Yes     | Yes | Yes     |
| Snyder 1992(Snyder <i>et al.</i> , 1992)             | Yes     | Yes | Yes     |
| Soeiro 2008(Soeiro <i>et al.</i> , 2008)             | Yes     | Yes | Yes     |
| Starkstein 1988(Starkstein <i>et al.</i> , 1988)     | Yes     | Yes | Yes     |
| Tan 2014(Tan <i>et al.</i> , 2014)                   | Yes     | Yes | Unknown |
| Tanaka 1998(Tanaka <i>et al.</i> , 1998)             | No      | Yes | Yes     |
| Tang 2002(Tang <i>et al.</i> , 2002)                 | Yes     | Yes | Unknown |
| Thalassinios 1992(Thalassinios <i>et al.</i> , 1992) | Yes     | Yes | Yes     |
| Thiagayson 2013(Thiagayson <i>et al.</i> , 2013)     | No      | Yes | Yes     |
| Topitz 2015(Topitz <i>et al.</i> , 2015)             | Yes     | Yes | Yes     |
| Turner 2011(Turner <i>et al.</i> , 2011)             | Yes     | Yes | Yes     |

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| Turrina 2001(Turrina <i>et al.</i> , 2001)       | Yes     | Yes | Unknown |
| Uwakwe 2000(Uwakwe, 2000)                        | Yes     | Yes | Yes     |
| Vaeroy 2003(Vaeroy <i>et al.</i> , 2003)         | No      | Yes | Yes     |
| Vogele 2008(Vogele and von Leupoldt, 2008)       | Unknown | Yes | Unknown |
| Wancata 2000(Wancata <i>et al.</i> , 2000)       | Yes     | Yes | Yes     |
| Yan 2013(Yan <i>et al.</i> , 2013)               | Yes     | Yes | Yes     |
| Yellowlees 1987(Yellowlees <i>et al.</i> , 1987) | Yes     | Yes | Yes     |
| Zhao 2014(Zhao <i>et al.</i> , 2014)             | Yes     | Yes | Yes     |
| Zhong 2010(Zhong <i>et al.</i> , 2010)           | Yes     | Yes | Yes     |
| Zielinska 2014(Zielinska and Durlik, 2014)       | Unknown | No  | Unknown |

## References for relevant studies

- Aben, I., Verhey, F., Strik, J., Lousberg, R., Lodder, J. & Honig, A.** (2003). A comparative study into the one year cumulative incidence of depression after stroke and myocardial infarction. *Journal of Neurology, Neurosurgery & Psychiatry* **74**, 581-585.
- Abidi, M. A. & Gadit, A. A.** (2003). Liaison psychiatry and referral rates among hospitalized patients. *Journal of the College of Physicians & Surgeons - Pakistan* **13**, 274-276.
- Abiodun, O. A. & Ogunremi, O. O.** (1990). Psychiatric morbidity in medical and surgical wards of a Nigerian general hospital. *Journal of Psychosomatic Research* **34**, 409-414.
- Aghanwa, H. S. & Ndububa, D.** (2002). Specific psychiatric morbidity in liver cirrhosis in a Nigerian general hospital setting. *General Hospital Psychiatry* **24**, 436-441.
- Agrell, B. & Dehlin, O.** (1994). Depression in stroke patients with left and right hemisphere lesions. A study in geriatric rehabilitation in-patients. *Aging-Clinical & Experimental Research* **6**, 49-56.
- Alexander, P., Prabhu, S., Krishnamoorthy, E. & Halkatti, P.** (1994). Mental disorders in patients with noncardiac chest pain. *Acta Psychiatrica Scandinavica* **89**, 291-293.
- Alexander, P. J., Dinesh, N. & Vidyasagar, M.** (1993). Psychiatric morbidity among cancer patients and its relationship with awareness of illness and expectations about treatment outcome. *Acta Oncologica* **32**, 623-626.
- Ames, D., Flynn, E. & Harrigan, S.** (1994). Prevalence of psychiatric disorders among inpatients of an acute geriatric hospital. *Australasian Journal on Ageing* **13**, 8-11.
- Annagür, B. B., Tazegül, A. & Gündüz, S.** (2013). Do psychiatric disorders continue during pregnancy in women with hyperemesis gravidarum: a prospective study. *General Hospital Psychiatry* **35**, 492-496.
- Aoki, T.** (1995). Psychiatric evaluation of physical rehabilitation patients. *General Hospital Psychiatry* **17**, 440-443.
- Arnold, L. M. & Privitera, M. D.** (1996). Psychopathology and trauma in epileptic and psychogenic seizure patients. *Psychosomatics* **37**, 438-443.
- Arolt, V. & Driessen, M.** (1996). Alcoholism and psychiatric comorbidity in general hospital inpatients. *General Hospital Psychiatry* **18**, 271-277.
- Arolt, V., Driessen, M. & Dilling, H.** (1997). The Lubeck General Hospital Study. I: Prevalence of psychiatric disorders in medical and surgical inpatients. *International Journal of Psychiatry in Clinical Practice* **1**, 207-216.
- Atesci, F. C., Baltarli, B., Oguzhanoglu, N. K., Karadag, F., Ozdel, O. & Karagoz, N.** (2004). Psychiatric morbidity among cancer patients and awareness of illness. *Supportive Care In Cancer* **12**, 161-7.
- Atesci, F. C., Karadag, F. & Oguzhanoglu, N. K.** (2000). The distribution of psychiatric disorders among inpatients in an university hospital. *Anadolu Psikiyatri Dergisi* **1**, 148-156.
- Aydin, I. O. & Ulusahin, A.** (2001). Depression, anxiety comorbidity, and disability in tuberculosis and chronic obstructive pulmonary disease patients: applicability of GHQ-12. *General Hospital Psychiatry* **23**, 77-83.
- Baubet, T., Ranque, B., Taïeb, O., Bérezné, A., Bricou, O., Mehallel, S., Moroni, C., Belin, C., Pagnoux, C. & Moro, M.-R.** (2011). Mood and anxiety disorders in systemic sclerosis patients. *La Presse Médicale* **40**, e111-e119.
- Bickel, H., Cooper, B. & Wancata, J.** (1993). Psychiatric disorders among elderly general hospital patients: Frequency and long-term outcome. *Nervenarzt* **64**, 53-61.

- Blomstedt, G. C., Katila, H., Henriksson, M., Ekholm, A., Jaaskelainen, J. E. & Pyykko, I.** (1996). Depression after surgery for acoustic neuroma. *Journal of Neurology, Neurosurgery & Psychiatry* **61**, 403-406.
- Blumel, M. B., Gibbons, F. A., Kanacri, C. A., Kerrigan, B. N. & Florenzano, U. R.** (2005). Depressive symptoms after an acute myocardial infarction. *Revista Medica de Chile* **133**, 1021-1027.
- Boerner, R. & Kapfhammer, H.** (1999). Psychopathological changes and cognitive impairment in encephalomyelitis disseminata. *European Archives of Psychiatry and Clinical Neuroscience* **249**, 96-102.
- Boizonave, L. F. & de Barros, T. M.** (2003). Anxiety and Depression: Psychological Reactions In General Hospital Patients. *Aletheia* **17-18**, 135-143.
- Booth, B. M., Blow, F. C. & Loveland Cook, C. A.** (1998). Functional impairment and co-occurring psychiatric disorders in medically hospitalized men. *Archives of Internal Medicine* **158**, 1551-1559.
- Botega, N. J., Bio, M. R., Zomignani, M. A., Garcia Jr, C. & Pereira, W. A.** (1995). Mood disorders among inpatients in ambulatory and validation of the anxiety and depression scale HAD. [Portuguese]. *Revista de saude publica* **29**, 355-363.
- Brandon, A. R., Trivedi, M. H., Hynan, L. S., Miltenberger, P. D., Labat, D. B., Rifkin, J. B. & Stringer, C.** (2008). Prenatal depression in women hospitalized for obstetric risk. *Journal of Clinical Psychiatry* **69**, 635-643.
- Bridges, K. W. & Goldberg, D. P.** (1984). Psychiatric illness in inpatients with neurological disorders: patients' views on discussion of emotional problems with neurologists. *British Medical Journal Clinical Research Ed.* **289**, 656-658.
- Bryant, C., Jackson, H. & Ames, D.** (2009). Depression and anxiety in medically unwell older adults: prevalence and short-term course. *International Psychogeriatrics* **21**, 754-763.
- Bunevicius, R., Velickiene, D. & Prange Jr., A. J.** (2005). Mood and anxiety disorders in women with treated hyperthyroidism and ophthalmopathy caused by Graves' disease. *General Hospital Psychiatry* **27**, 133-139.
- Burn, W. K., Davies, K. N., McKenzie, F. R., Brothwell, J. A. & Wattis, J. P.** (1993). The prevalence of psychiatric illness in acute geriatric admissions. *International Journal of Geriatric Psychiatry* **8**, 171-174.
- Cheah, K. C. & Beard, O. W.** (1980). Psychiatric findings in the population of a geriatric evaluation unit: implications. *Journal of the American Geriatrics Society* **28**, 153-156.
- Chochinov, H. M., Wilson, K. G., Enns, M. & Lander, S.** (1994). Prevalence of depression in the terminally ill: effects of diagnostic criteria and symptom threshold judgments. *The American Journal of Psychiatry* **151**, 537.
- Cigognini, M. A. & Furlanetto, L. M.** (2006). Diagnosis and pharmacological treatment of depressive disorders in a general hospital. *Revista Brasileira de Psiquiatria* **28**, 97-103.
- Cooper, B.** (1987). Psychiatric disorders among elderly patients admitted to hospital medical wards. *Journal of the Royal Society of Medicine* **80**, 13-16.
- Coskun, B. K., Atmaca, M., Saral, Y. & Coskun, N.** (2005). Prevalence of psychological factors in chronic dermatoses. *International Journal of Psychiatry in Clinical Practice* **9**, 52-54.
- Costa, A., Peppe, A., Carlesimo, G., Pasqualetti, P. & Caltagirone, C.** (2006). Alexithymia in Parkinson's disease is related to severity of depressive symptoms. *European Journal of Neurology* **13**, 836-841.

- Dicker, R. A., Mah, J., Lopez, D., Tran, C., Reidy, R., Moore, M., Kreniske, P., Crane, I., Knudson, M. M., Li, M., Menza, R., Shuway, M. & Alvidrez, J.** (2011). Screening for mental illness in a trauma center: rooting out a risk factor for unintentional injury. *Journal of Trauma-Injury Infection & Critical Care* **70**, 1337-1344.
- Dogar, I. A., Khawaja, I. S., Azeem, M. W., Awan, H., Ayub, A., Iqbal, J. & Thuras, P.** (2008). Prevalence and risk factors for depression and anxiety in hospitalized cardiac patients in pakistan. *Psychiatry* **5**, 38-41.
- dos Santos, M. J., Pimentel, P., Monteiro, J. M., Cardoso, G., de Oliveira, J. J., Almiro, M., Santos, J. M. & de Lacerda, J. M.** (1991). Psychiatric disorders in hospitalized patients with hematologic neoplasms. *Acta Medica Portuguesa* **4**, 5-8.
- Driessen, M., Arolt, V., John, U., Veltrup, C. & Dilling, H.** (1996). Psychiatric comorbidity in hospitalized alcoholics after detoxification treatment. *European Addiction Research* **2**, 17-23.
- Dyster-Aas, J., Willebrand, M., Wikehult, B., Gerdin, B. & Ekselius, L.** (2008). Major depression and posttraumatic stress disorder symptoms following severe burn injury in relation to lifetime psychiatric morbidity. *Journal of Trauma - Injury, Infection and Critical Care* **64**, 1349-1356.
- Elliott, A. J., Pages, K. P., Russo, J., Wilson, L. G. & Roy-Byrne, P. P.** (1996). A profile of medically serious suicide attempts. *Journal of Clinical Psychiatry* **57**, 567-571.
- Evans, D. L., McCartney, C. F., Nemeroff, C. B., Raft, D., Quade, D., Golden, R. N., Haggerty Jr., J. J., Holmes, V., Simon, J. S., Droba, M. & al., e.** (1986). Depression in women treated for gynecological cancer: clinical and neuroendocrine assessment. *American Journal of Psychiatry* **143**, 447-452.
- Fava, G. A., Trombini, G., Barbara, L., Bernardi, M., Grandi, S., Callegari, C. & Miglioli, M.** (1985). Depression and gastrointestinal illness: the joint use of biological and clinical criteria. *American Journal of Gastroenterology* **80**, 195-199.
- Fava, G. A., Trombini, G., Grandi, S., Bernardi, M., Evangelisti, L. P., Santarsiero, G. & Orlandi, C.** (1984). Depression and anxiety associated with secondary amenorrhea. *Psychosomatics: Journal of Consultation and Liaison Psychiatry* **25**, 905-908.
- Fedoroff, J. P., Starkstein, S. E., Parikh, R. M., Price, T. R. & Robinson, R. G.** (1991). Are depressive symptoms nonspecific in patients with acute stroke? *American Journal of Psychiatry* **148**, 1172-1176.
- Feldman, E., Mayou, R. & Hawton, K.** (1987). Psychiatric disorder in medical in-patients. *Quarterly Journal of Medicine* **63**, 405-412.
- Fenton, F. R., Cole, M. G., Engelsmann, F. & Mansouri, I.** (1994). Depression in older medical inpatients. *International Journal of Geriatric Psychiatry* **9**, 279-284.
- Forkmann, T., Norra, C., Wirtz, M., Vehren, T., Volz-Sidiropoulou, E., Westhofen, M., Gauggel, S. & Boecker, M.** (2011). Prevalence and psychopathological characteristics of depression in consecutive otorhinolaryngologic inpatients. *BioMed Central Ear, Nose & Throat Disorders* **11**, 7.
- Forrester, A. W., Lipsey, J. R., Teitelbaum, M. L., DePaulo, J., Andrzejewski, P. L. & Robinson, R. G.** (1992). Depression following myocardial infarction. *International Journal of Psychiatry in Medicine* **22**, 33-46.
- Freedland, K. E., Carney, R. M., Rich, M. W., Caracciolo, A. & al., e.** (1991). Depression in elderly patients with congestive heart failure. *Journal of Geriatric Psychiatry* **24**, 59-71.

- Freedland, K. E., Rich, M. W., Skala, J. A., Carney, R. M., Davila-Roman, V. G. & Jaffe, A. S.** (2003). Prevalence of depression in hospitalized patients with congestive heart failure. *Psychosomatic Medicine* **65**, 119-128.
- Fritzsche, K., Struss, Y., Stein, B. & Spahn, C.** (2003). Psychosomatic liaison service in hematological oncology: need for psychotherapeutic interventions and their realization. *Hematological Oncology* **21**, 83-89.
- Fullerton, D. T., Harvey, R. F., Klein, M. H. & Howell, T.** (1981). Psychiatric disorders in patients with spinal cord injuries. *Archives of General Psychiatry* **38**, 1369-1371.
- Gascon, M. R., Ribeiro, C. M., Bueno, L. M., Benute, G. R., Lucia, M. C., Rivitti, E. A. & Festa Neto, C.** (2012). Prevalence of depression and anxiety disorders in hospitalized patients at the dermatology clinical ward of a university hospital. *Anais Brasileiros de Dermatologia* **87**, 403-407.
- Ge, H. M., Liu, L. F. & Han, J. B.** (2008). Study on depressive disorder and related factors in surgical inpatients. *Zhonghua wai ke za zhi [Chinese journal of surgery]* **46**, 362-365.
- Giles Gordon, E., Franco Fernandez, M. D., Sanmartin Roche, A., Masse Garcia, P., Guija Villa, J., Giner Ubago, J. & al., e.** (1992). Psychiatric disorders among hospitalized geriatric patients: Usefulness of several scales. *Anales de Psiquiatria* **10**, 89-95.
- Gonzalez, M. B., Snyderman, T. B., Colket, J. T., Arias, R. M., Jiang, J. W., O'Connor, C. M. & Krishnan, K. R.** (1996). Depression in patients with coronary artery disease. *Depression* **4**, 57-62.
- Hansen, M. S., Fink, P., Frydenberg, M., Oxhoj, M.-L., Sondergaard, L. & Munk-Jorgensen, P.** (2001). Mental disorders among internal medical inpatients: Prevalence, detection, and treatment status. *Journal of Psychosomatic Research* **50**, 199-204.
- Hardman, A., Maguire, P. & Crowther, D.** (1989). The recognition of psychiatric morbidity on a medical oncology ward. *Journal of Psychosomatic Research* **33**, 235-239.
- Harter, M., Baumeister, H., Reuter, K., Wunsch, A. & Bengel, J.** (2002a). Epidemiology of comorbid mental disorders in rehabilitees with musculoskeletal and cardiovascular diseases. *Rehabilitation* **41**, 367-374.
- Harter, M., Reuter, K., Schretzmann, B., Hasenburg, A., Aschenbrenner, A. & Weis, J.** (2000). Comorbid mental disorders in cancer patients in acute care and rehabilitation treatment. *Rehabilitation* **39**, 317-323.
- Harter, M., Reuter, K., Weisser, B., Schretzmann, B., Aschenbrenner, A., Bengel, J., Harter, M., Reuter, K., Weisser, B., Schretzmann, B., Aschenbrenner, A. & Bengel, J.** (2002b). A descriptive study of psychiatric disorders and psychosocial burden in rehabilitation patients with musculoskeletal diseases. *Archives of Physical Medicine and Rehabilitation* **83**, 461-468.
- Hedayati, S. S., Jiang, W., O'Connor, C. M., Kuchibhatla, M., Krishnan, K. R., Cuffe, M. S., Blazing, M. A. & Szczech, L. A.** (2004). The association between depression and chronic kidney disease and mortality among patients hospitalized with congestive heart failure. *American Journal of Kidney Diseases* **44**, 207-215.
- Heeren, T. J. & Rooymans, H. G.** (1985). [Psychiatric disorders in elderly hospitalized patients: prevalence and recognition]. *Tijdschrift voor Gerontologie en Geriatrie* **16**, 53-59.
- Hengeveld, M. W., Ancion, F. A. J. M. & Rooijmans, H. G. M.** (1987). Prevalence and recognition of depressive disorders in general medical inpatients. *International Journal of Psychiatry in Medicine* **17**, 341-349.
- Hosaka, T., Aoki, T. & Ichikawa, Y.** (1994a). Emotional states of patients with hematological malignancies: preliminary study. *Japanese Journal of Clinical Oncology* **24**, 186-190.

**Hosaka, T., Aoki, T., Watanabe, T. & Ishida, A.** (1994b). Psychiatric evaluation of rehabilitation patients. *Tokai Journal of Experimental & Clinical Medicine* **19**, 7-11.

**Hosaka, T., Aoki, T., Watanabe, T., Okuyama, T. & Kurosawa, H.** (1999a). Comorbidity of depression among physically ill patients and its effect on the length of hospital stay. *Psychiatry & Clinical Neurosciences* **53**, 491-495.

**Hosaka, T., Awazu, H., Fukunishi, I., Okuyama, T. & Wogan, J.** (1999b). Disclosure of true diagnosis in Japanese cancer patients. *General Hospital Psychiatry* **21**, 209-213.

**Jenkins, P., Jamil, N., Taylor, B. & Hughes, L.** (1994). Why don't surgeons refer to psychiatrists? Psychological morbidity in acute surgical admissions. *New Trends in Experimental & Clinical Psychiatry* **10**, 93-95.

**Jiang, W., Alexander, J., Christopher, E., Kuchibhatla, M., Gauden, L. H., Cuffe, M. S., Blazing, M. A., Davenport, C., Califf, R. M., Krishnan, R. R. & O'Connor, C. M.** (2001). Relationship of depression to increased risk of mortality and rehospitalization in patients with congestive heart failure. *Archives of Internal Medicine* **161**, 1849-1856.

**John, S.** (2013). Prevalence and pattern of psychiatric morbidity and health related quality of life in patients with ischemic heart disease in a tertiary care hospital. *Indian Journal of Psychiatry* **55**, 353-359.

**Kathol, R. G. & Wenzel, R. P.** (1992). Natural history of symptoms of depression and anxiety during inpatient treatment on general medicine wards. *Journal of General Internal Medicine* **7**, 287-293.

**Kayhan, F., Cicek, E., Uguz, F., Karababa, I. F. & Kucur, R.** (2013). Mood and anxiety disorders among inpatients of a university hospital in Turkey. *General Hospital Psychiatry* **35**, 417-422.

**Keller, M., Sommerfeldt, S., Fischer, C., Knight, L., Riesbeck, M., Lowe, B., Herfarth, C. & Lehnert, T.** (2004). Recognition of distress and psychiatric morbidity in cancer patients: A multi-method approach. *Annals of Oncology* **15**, 1243-1249.

**Kheirabadi, G. R., Hashemi, S. J., Akbaripour, S., Salehi, M. & Maracy, M. R.** (2012). Risk factors of suicide reattempt in patients admitted to khorshid hospital, Isfahan, iran, 2009. *Iranian Journal of Epidemiology* **8**, 39-46.

**Kigamwa, A.** (1991). Psychiatric morbidity and referral rate among medical in-patients at Kenyatta National Hospital. *East African Medical Journal* **68**, 383-388.

**Kishi, Y., Robinson, R. G. & Forrester, A. W.** (1994). Prospective longitudinal study of depression following spinal cord injury. *Journal of Neuropsychiatry and Clinical Neurosciences* **6**, 237-237.

**Koenig, H. G.** (1998). Depression in hospitalized older patients with congestive heart failure. *General Hospital Psychiatry* **20**, 29-43.

**Koenig, H. G., George, L. K., Peterson, B. L. & Pieper, C. F.** (1997). Depression in medically ill hospitalized older adults: prevalence, characteristics, and course of symptoms according to six diagnostic schemes. *American Journal of Psychiatry* **154**, 1376-1383.

**Koenig, H. G., Meador, K. G., Shelp, F., Goli, V., Cohen, H. J. & Blazer, D. G.** (1991). Major depressive disorder in hospitalized medically ill patients: an examination of young and elderly male veterans. *Journal of the American Geriatrics Society* **39**, 881-890.

**Koenig, H. G., O'Connor, C. M., Guarisco, S. A., Zabel, K. & Ford, S. M.** (1993). Depressive disorder in older medical inpatients on general medicine and cardiology services at a university teaching hospital. *The American Journal of Geriatric Psychiatry* **1**, 197-210.

- Kok, R. M., Heeren, T. J., Drenth, E. C., Janzing, J. G. & de Wildt, A. G.** (1992). [Psychiatric disorders in elderly patients admitted in a general hospital]. *Nederlands Tijdschrift voor Geneeskunde* **136**, 1913-1917.
- Kok, R. M., Heeren, T. J., Hooijer, C., Dinkgreve, M. A. & Rooijmans, H. G.** (1995). The prevalence of depression in elderly medical inpatients. *Journal of Affective Disorders* **33**, 77-82.
- Koroglu, G. & Tural, U.** (2010). The prevalence of comorbid psychiatric disorders among inpatients with medical illness and their effects on quality of life and functioning. *Yeni Symposium: psikiyatri, noroloji ve davranis bilimleri dergisi* **48**, 54-62.
- Krauss, O., Ernst, J., Kauschke, M., Stolzenburg, J. U., Weissflog, G. & Schwarz, R.** (2006). Patients after prostatectomy. Psychiatric comorbidity, need for psychooncological treatment and quality of life. *Urologe (Ausz. A)* **45**, 482-488.
- Krautgartner, M., Alexandrowicz, R., Benda, N. & Wancata, J.** (2006). Need and utilization of psychiatric consultation services among general hospital inpatients. *Social Psychiatry & Psychiatric Epidemiology* **41**, 294-301.
- Kugaya, A., Akechi, T., Okuyama, T., Nakano, T., Mikami, I., Okamura, H. & Uchitomi, Y.** (2000). Prevalence, predictive factors, and screening for psychological distress in patients with newly diagnosed head and neck cancer. *Cancer* **88**, 2817-23.
- Kuhn, W. F., Bell, R. A., Netscher, R. E., Seligson, D. & Kuhn, S. J.** (1989). Psychiatric assessment of leg fracture patients: A pilot study. *International Journal of Psychiatry in Medicine* **19**, 145-154.
- Kumar, K. L., Kar, S., Reddy, C. M. P. K. & Babu, R. S.** (2011). Psychiatric co-morbidity in geriatric in patients. *Indian Journal of Psychiatry* **1**, S41.
- Lazaro, L., de Pablo, J., Nieto, E., Vieta, E., Vilalta, J. & Cirera, E.** (1991). Psychiatric morbidity in elderly patients admitted to a general hospital. A day-prevalence study. *Medicina Clinica* **97**, 206-210.
- Lazaro, L., Marcos, T. & Valdes, M.** (1995). Affective disorders, social support, and health status in geriatric patients in a general hospital. *General Hospital Psychiatry* **17**, 299-304.
- Leung, C. M., Chan, K. K. & Cheng, K. K.** (1992). Psychiatric morbidity in a general medical ward. Hong Kong's experience. *General Hospital Psychiatry* **14**, 196-200.
- Linka, E., Bartko, G., Agardi, T. & Kemeny, K.** (1999). Dementia and depression in elderly population of a medical department. *Psychiatria Hungarica* **14**, 39-45.
- Linka, E., Bartko, G., Agardi, T. & Kemeny, K.** (2000). Dementia and depression in elderly medical inpatients. *International Psychogeriatrics* **12**, 67-75.
- Lykouras, L., Adrachta, D., Kalfakis, N., Oulis, P., Voulgari, A., Christodoulou, G., Papageorgiou, C. & Stefanis, C.** (1996). GHQ-28 as an aid to detect mental disorders in neurological inpatients. *Acta Psychiatrica Scandinavica* **93**, 212-216.
- Madianos, M. G., Papaghelis, M., Ioannovich, J. & Dafni, R.** (2001). Psychiatric disorders in burn patients: a follow-up study. *Psychotherapy and psychosomatics* **70**, 30-37.
- Marchesi, C., Brusamonti, E., Borghi, C., Giannini, A., Di Ruvo, R., Minneo, F., Quarantelli, C. & Maggini, C.** (2004). Anxiety and depressive disorders in an emergency department ward of a general hospital: a control study. *Emergency Medicine Journal* **21**, 175-179.
- Martin, R. L., Roberts, W. V., Clayton, P. J. & Wetzell, R.** (1977). Psychiatric illness and non-cancer hysterectomy. *Diseases of the Nervous System* **38**, 974-980.
- Martucci, M., Balestrieri, M., Bisoffi, G., Bonizzato, P., Covre, M. G., Cunico, L., De Francesco, M., Marinoni, M. G., Mosciaro, C., Piccinelli, M., Vaccari, L. & Tansella, M.**

- (1999). Evaluating psychiatric morbidity in a general hospital: a two-phase epidemiological survey. *Psychological Medicine* **29**, 823-832.
- McCaffrey, J. C., Weitzner, M., Kamboukas, D., Haselhuhn, G., LaMonde, L. & Booth-Jones, M.** (2007). Alcoholism, depression, and abnormal cognition in head and neck cancer: A pilot study. *Otolaryngology - Head and Neck Surgery* **136**, 92-97.
- Meroni, R., Beghi, E., Beghi, M., Brambilla, G., Cerri, C., Perin, C., Peroni, F. & Cornaggia, C. M.** (2013). Psychiatric disorders in patients suffering from an acute cerebrovascular accident or traumatic injury, and their effects on rehabilitation: an observational study. *European journal of physical & rehabilitation medicine*. **49**, 31-39.
- Michopoulos, I., Douzenis, A., Goumellis, R., Christodoulou, C., Kalkavoura, C., Michalopoulou, P. G., Fineti, K., Liakakos, T., Kanellakopoulou, K. & Lykouras, L.** (2010). Major depression in elderly medical inpatients in Greece, prevalence and identification. *Aging Clinical and Experimental Research* **22**, 148-151.
- Moayedoddin, B., Rubovszky, G., Mammana, L., Jeannot, E., Sartori, M., Garin, N., Andreoli, A., Canuto, A. & Perrier, A.** (2013). Prevalence and clinical characteristics of the DSM IV major depression among general internal medicine patients. *European Journal of Internal Medicine* **24**, 763-766.
- Mohammed, A., Said, J. M., Wakil, M. A., Rabbebe, I. B., Sheikh, T. & Agunbiade, S.** (2014). Unrecognized psychiatric disorders among adult patients admitted into a general hospital in Maiduguri, Northeastern Nigeria. *The Pan African medical journal* **19**.
- Mohapatra, P. K., Kar, N., Kar, G. C. & Behera, M.** (2005). Effectiveness of sertraline in treatment of depression in a consecutive sample of patients with acute myocardial infarction: Six month prospective study on outcome. *Clinical Practice and Epidemiology in Mental Health* **1**.
- Nair, M. G. & Pillay, S. S.** (1997). Psychiatric disorder in a South African general hospital. Prevalence in medical, surgical, and gynecological wards. *General Hospital Psychiatry* **19**, 144-148.
- Nakasujja, N., Musisi, S., Walugembe, J. & Wallace, D.** (2007). Psychiatric disorders among the elderly on non-psychiatric wards in an African setting. *International Psychogeriatrics* **19**, 691-704.
- Ng, K., Chan, K. & Straughan, P.** (1995). A study of post-stroke depression in a rehabilitative center. *Acta Psychiatrica Scandinavica* **92**, 75-79.
- Nikolic, G., Miljovic, S., Stojkovic, A., Manojlovic, S., Ciric, Z., Zikic, O. & Vucurevic, M.** (2010). Influence of psychological and coronary parameters on coronary patient rehospitalization. *Srpski Arhiv Za Celokupno Lekarstvo* **138**, 154-161.
- Nishioka, Y., Nishizono, M. & Yamamoto, J.** (1990). The distribution of mental illness found by DIS (Diagnostic Interview Schedule) among internal and orthopedic patients. *Japanese Journal of Psychiatry & Neurology* **44**, 33-54.
- O'Riordan, T. G., Hayes, J. P., Shelley, R., O'Neill, D., Walsh, J. & Coakley, D.** (1989). The prevalence of depression in an acute geriatric medical assessment unit. *International Journal of Geriatric Psychiatry* **4**, 17-21.
- Owen, A. E.** (2004). Evaluation of differences in depression, defensiveness, social support, and coping between acute and chronic chd patients hospitalized for myocardial infarction or unstable angina. *Dissertation Abstracts International: Section B: The Sciences and Engineering* **65**, 2644.
- Pakriev, S., Kovalev, J. & Mozhaev, M.** (2009). Prevalence of depression in a general hospital in Izhevsk, Russia. *Nordic Journal of Psychiatry* **63**, 469-474.

- Palmu, R., Suominen, K., Vuola, J. & Isometsa, E.** (2010). Mental disorders among acute burn patients. *Burns* **36**, 1072-1079.
- Palmu, R., Suominen, K., Vuola, J. & Isometsa, E.** (2011). Mental disorders after burn injury: a prospective study. *Burns* **37**, 601-609.
- Paradiso, S. & Robinson, R. G.** (1998). Gender differences in poststroke depression. *The Journal of neuropsychiatry and clinical neurosciences* **10**, 41-47.
- Petrak, F., Hardt, J., Wittchen, H. U., Kulzer, B., Hirsch, A., Hentzelt, F., Borck, K., Jacobi, F., Egle, U. T. & Hoffmann, S. O.** (2003). Prevalence of psychiatric disorders in an onset cohort of adults with type 1 diabetes. *Diabetes/Metabolism Research and Reviews* **19**, 216-222.
- Picardi, A., Pasquini, P., Abeni, D., Fassone, G., Mazzotti, E. & Fava, G. A.** (2005). Psychosomatic assessment of skin diseases in clinical practice. *Psychotherapy & Psychosomatics* **74**, 315-322.
- Placidi, G. P. A., Boldrini, M., Patronelli, A., Flore, E., Chiovato, L., Perugi, G. & Marazziti, D.** (1998). Prevalence of psychiatric disorders in thyroid diseased patients. *Neuropsychobiology* **38**, 222-225.
- Plumb, M. & Holland, J.** (1981). Comparative studies of psychological function in patients with advanced cancer. II. Interviewer-rated current and past psychological symptoms. *Psychosomatic Medicine* **43**, 243-254.
- Prallet, J. P., Ravella, P., Gelas, P. & Bouletreau, P.** (1990). Sleep and psychological disorders in intensive care units. *Agressologie* **31**, 727-728.
- Prieto, J. M., Blanch, J., Atala, J., Carreras, E., Rovira, M., Cirera, E. & Gasto, C.** (2002). Psychiatric morbidity and impact on hospital length of stay among hematologic cancer patients receiving stem-cell transplantation. *Journal of Clinical Oncology* **20**, 1907-1917.
- Purohit, D. R., Purohit, S. D. & Dhariwal, M. L.** (1978). Incidence of depression in hospitalized T.B. patients. *Indian Journal of Tuberculosis* **25**, 147-151.
- Radat, F., Sakh, D., Lutz, G., el Amrani, M., Ferreri, M. & Bousser, M. G.** (1999). Psychiatric comorbidity is related to headache induced by chronic substance use in migraineurs. *Headache* **39**, 477-480.
- Radat, F., Saks, D., Lutz, G., Demesse, D. & Ferreri, M.** (1996). Psychiatric disorders prevalence among migrainous patients hospitalized for analgesic withdrawal. *Annales Medico-Psychologiques* **154**, 327-330.
- Ramsay, R., Wright, P., Katz, A., Bielawska, C. & Katona, C.** (1991). The detection of psychiatric morbidity and its effects on outcome in acute elderly medical admissions. *International Journal of Geriatric Psychiatry* **6**, 861-866.
- Regvat, J., Zmitek, A., Vegnuti, M., Kosnik, M. & Suskovic, S.** (2011). Anxiety and depression during hospital treatment of exacerbation of chronic obstructive pulmonary disease. *Journal of International Medical Research* **39**, 1028-1038.
- Rentsch, D., Dumont, P., Borgacci, S., Carballeira, Y., deTonnac, N., Archinard, M. & Andreoli, A.** (2007). Prevalence and treatment of depression in a hospital department of internal medicine. *General Hospital Psychiatry* **29**, 25-31.
- Rukundo, G. Z., Muisi, S. & Nakasujja, N.** (2013). Psychiatric morbidity among physically ill patients in a Ugandan regional referral hospital. *African Health Sciences* **13**, 87-93.
- Scevola, L., Teitelbaum, J., Oddo, S., Centurion, E., Loidl, C. F., Kochen, S. & L, D. D.** (2013). Psychiatric disorders in patients with psychogenic nonepileptic seizures and drug-resistant epilepsy: A study of an Argentine population. *Epilepsy and Behavior* **29**, 155-160.
- Schleifer, S. J. & Macari-Hinson, M. M.** (1989). The nature and course of depression following myocardial infarction. *Archives of internal medicine* **149**, 1785-1789.

- Schottke, H., Springer, U., Grimsehl, A., Lutje, D., Loew, M., Wetzig, L., Brandes, U., Schluter, S. & Wiedl, K. H.** (2001). Prevalences and lifetime prevalences of affective disorders and anxiety disorders after stroke. *Zeitschrift fur Neuropsychologie* **12**, 256-263.
- Seltzer, A.** (1989). Prevalence, detection and referral of psychiatric morbidity in general medical patients. *Journal of the Royal Society of Medicine* **82**, 410-412.
- Sharma, P., Avasthi, A., Chakrabarti, S. & Varma, S.** (2002). Depression among hospitalised medically ill patients: a two-stage screening study. *Journal of Affective Disorders* **70**, 205-209.
- Silverstone, P. H.** (1996). Prevalence of psychiatric disorders in medical inpatients. *Journal of Nervous & Mental Disease* **184**, 43-51.
- Singer, S., Bringmann, H., Hauss, J., Kortmann, R. D., Kohler, U., Krauss, O. & Schwarz, R.** (2007). Prevalence of concomitant psychiatric disorders and the desire for psychosocial help in patients with malignant tumors in an acute hospital. *Deutsche Medizinische Wochenschrift* **132**, 2071-2076.
- Singer, S., Szalai, C., Briest, S., Brown, A., Dietz, A., Einenkel, J., Jonas, S., Konnopka, A., Papsdorf, K., Langanke, D., Lobner, M., Schiefke, F., Stolzenburg, J., Weimann, A., Wirtz, H., Konig, H. & Riedel-Heller, S.** (2013). Co-morbid mental health conditions in cancer patients at working age-Prevalence, risk profiles, and care uptake. *Psycho-Oncology* **22**, 2291-2297.
- Snyder, S., Reyner, A., Schmeidler, J., Bogursky, E., Gomez, H. & Strain, J. J.** (1992). Prevalence of mental disorders in newly admitted medical inpatients with AIDS. *Psychosomatics* **33**, 166-170.
- Soeiro, R. E., Colombo, E. S., Ferreira, M. H. F., Guimaraes, P. S. A., Botega, N. J. & Dalgalarondo, P.** (2008). Religion and psychiatric disorders in patients admitted to a university general hospital. *Cadernos de Saude Publica* **24**, 793-799.
- Starkstein, S. E., Robinson, R. G., Berthier, M. L. & Price, T. R.** (1988). Depressive disorders following posterior circulation as compared with middle cerebral artery infarcts. *Brain* **111**, 375-387.
- Tan, S. M., Beck, K. R., Li, H., Lim, E. C., Krishna, L. K., Shian Ming, T., Beck, K. R., Huihua, L., Eng Choon Leslie, L. & Lalit Kumar Radha, K.** (2014). Depression and anxiety in cancer patients in a Tertiary General Hospital in Singapore. *Asian Journal of Psychiatry* **8**, 33-37.
- Tanaka, K., Yonekura, Y., Mine, S., Kanekura, T., Kira, I., Yatomi, K. & Kakigae, Y.** (1998). Psychiatric morbidity in patients with gynecologic cancer: Its nature, prevalence and the risk factors. *Seishin Igaku (Clinical Psychiatry)* **40**, 1193-1199.
- Tang, W.-K., Ungvari, G. S., Chiu, H. F., Sze, K.-H., Woo, J. & Kay, R.** (2002). Psychiatric morbidity in first time stroke patients in Hong Kong: a pilot study in a rehabilitation unit. *Australian & New Zealand Journal of Psychiatry* **36**, 544-549.
- Thalassinos, M., Masson, C., Rouillon, F., Vinceneux, P. & Lemperiere, T.** (1992). Mental disorders in elderly hospitalized patients. Epidemiological study in an internal medicine department. *Presse Medicale* **21**, 929-933.
- Thiagayson, P., Krishnaswamy, G., Lim, M. L., Sung, S. C., Haley, C. L., Fung, D. S., Allen Jr., J. C. & Chen, H.** (2013). Depression and anxiety in Singaporean high-risk pregnancies - prevalence and screening. *General Hospital Psychiatry* **35**, 112-116.
- Topitz, A., Benda, N., Saumer, G., Friedrich, F., Konig, D., Soulier, N. & Freidl, M.** (2015). Prevalence and recognition of depression among inpatients of non-psychiatric hospital departments. *Neuropsychiatry* **29**, 63-70.

- Turner, K., Piazzini, A., Chiesa, V., Barbieri, V., Vignoli, A., Gardella, E., Tisi, G., Scarone, S., Canevini, M. P. & Gambini, O.** (2011). Patients with epilepsy and patients with psychogenic non-epileptic seizures: video-EEG, clinical and neuropsychological evaluation. *Seizure* **20**, 706-710.
- Turrina, C., Fiorazzo, A., Turano, A., Cacciani, P., Regini, C., Castelli, F. & Sacchetti, E.** (2001). Depressive disorders and personality variables in HIV positive and negative intravenous drug-users. *Journal of Affective Disorders* **65**, 45-53.
- Uwakwe, R.** (2000). Psychiatric morbidity in elderly patients admitted to non-psychiatric wards in a general/teaching hospital in Nigeria. *International Journal of Geriatric Psychiatry* **15**, 346-354.
- Vaeroy, H., Juell, M. & Hoivik, B.** (2003). Prevalence of depression among general hospital surgical inpatients. *Nordic Journal of Psychiatry* **57**, 13-16.
- Vogele, C. & von Leupoldt, A.** (2008). Mental disorders in chronic obstructive pulmonary disease (COPD). *Respiratory Medicine* **102**, 764-773.
- Wancata, J., Meise, U. & Sachs, G.** (2000). Prevalence of psychiatric disorders in elderly inpatients of medical and surgical departments. *Psychiatrische Praxis* **27**, 170-5.
- Yan, Z. Y., Gu, M. J., Zhong, B. L., Wang, C., Tang, H. L., Ling, Y. Q., Yu, X. W. & Li, M. Q.** (2013). Prevalence, risk factors and recognition rates of depressive disorders among inpatients of tertiary general hospitals in Shanghai, China. *Journal of Psychosomatic Research* **75**, 65-71.
- Yellowlees, P. M., Alpers, J., Bowden, J., Bryant, G. & Ruffin, R.** (1987). Psychiatric morbidity in patients with chronic airflow obstruction. *Medical Journal of Australia* **146**, 305-307.
- Zhao, L., Li, X., Zhang, Z., Song, C., Guo, C., Zhang, Y., Li, L., Lu, G., Zheng, G., Wang, K., Pei, W. & Han, L.** (2014). Prevalence, correlates and recognition of depression in Chinese inpatients with cancer. *General Hospital Psychiatry* **36**, 477-482.
- Zhong, B.-l., Chen, H.-h., Zhang, J.-f., Xu, H.-m., Zhou, C., Yang, F., Song, J., Tang, J., Xu, Y., Zhang, S., Zhang, Y. & Zhou, L.** (2010). Prevalence, correlates and recognition of depression among inpatients of general hospitals in Wuhan, China. *General Hospital Psychiatry* **32**, 268-275.
- Zielinska, D. & Durlik, M.** (2014). A clinical psychologist's perspective of mental disorders in patients of 70 years of age or more, who underwent digestive tract cancer surgeries. *Przegląd Gastroenterologiczny* **9**, 99-104.