**Online Resource 2 to ’The Cost of Mental Disorders: A systematic review’**

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## eTable 1: Quality reporting checklist

The quality reporting checklist used in the systematic review was based on a cost-of-illness study checklist by Stuhldreher et al (Stuhldreher *et al.,* 2012). Our revised checklist consisted of 15 items which are seen below together with a short item description. Items were scored 1 or 0 (1 meaning the item was reported), but item number 7 was only relevant for studies with a time period of greater than 1 year. The total score was then standardized to a 10-point scale.

|  |  |
| --- | --- |
| **Criterion** | **Description** |
| Scope and population |   |
| 1. Study objective
 | The study objective is reported.  |
| 1. Disease and diagnostic criteria
 | The disease and diagnostic criteria (ICD and DSM etc.) that were used to identify eligible patients were reported.  |
| 1. Disease and comparison group
 | Characteristics (at least sample size, age and gender) of the disease group were reported. If the study used a comparison group, it is reported with the same details. |
| Calculation of costs |   |
| 1. Perspective
 | The perspective of the analysis is reported and justified. |
| 1. Data sources
 | The sources of epidemiological data, health care utilization and unit costs used were reported. |
| 1. Currency and reference year
 | The cost currency and reference year were reported. |
| 1. Discounting
 | Future costs were discounted and the discount rate was given. |
| Study design and analysis |   |
| 1. Costing methods
 | The costing methods were described in detail. |
| 1. Cost measure
 | The units of the reported measures were stated (etc. mean annual costs, mean total costs and incremental costs) |
| 1. Missing data and imputation method
 | The proportion of missing data was reported and if imputation was applied, the method was described. |
| 1. Sensitivity analysis
 | Parameters used in the sensitivity analysis were justified and they were varied in order to test the robustness of the results for example different unit costs, different assumptions for missing data (completely at random, at random and not at random). |
| 1. Uncertainty estimates
 | Measurements of uncertainty surrounding the cost estimates are reported (e.g. standard deviations or uncertainty intervals). |
| Discussion |  |
| 1. Results discussed in respect to other studies
 | The results were discussed in relation to other studies on the same topic, if any existing. |
| 1. Limitations
 | The limitations, in particular to the calculation of costs, were discussed in detail. |
| 1. Conclusions
 | The conclusions allowed for the uncertainty inherent to the results. |

## eTable 2: Disorder groups ICD-8 & ICD-10 codes

The table show the codes for different mental disorders groups according to ICD-8 and ICD-10 and the name used in the systematic review. The table also includes the earliest possible age at onset in years for the different disorder groups.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Mental disorders** | **Name used in this study** | **ICD-10** | **ICD-8 equivalency** | **Earliest possible age at onset in years** |
| Mental and behavioral disorders due to psychoactive Substance use | Substance use disorders | F10 - F19 | 291.x9, 294.39, 303.x9, 303.20, 303.28, 303.90, 304.x9 | 10 |
| Schizophrenia | Schizophrenia | F20 - F29 | 295.x9, 296.89, 297.x9, 298.29-298.99, 299.04, 299.05, 299.09, 301.83 | 10 |
| Mood disorders | Mood disorders | F30 - F39 | 296.x9 (excluding 296.89), 298.09, 298.19, 300.49, 301.19 | 10 |
| Neurotic, stress-related, and somatoform disorders | Neurotic disorders | F40 - F48 | 300.x9 (excluding 300.49), 305.x9, 305.68, 307.99 | 5 |
| Eating disorders | Eating disorders | F50 | 306.50, 306.58, 306.59 | 1 |
| Specific personality disorders | Personality disorders | F60 | 301.x9 (excluding 301.19), 301.80, 301.81, 301.82, 301.84 | 10 |
| Intellectual Disabilities | Intellectual Disabilities | F70 - F79 | 311.xx, 312.xx, 313.xx, 314.xx, 315.xx | 1 |
| Pervasive developmental disorders | Developmental disorders | F84 | 299.00, 299.01, 299.02, 299.03 | 1 |
| Behavioral and emotional disorders with onset usually occurring in childhood and adolescence | Behavioral disorders | F90 - F98 | 306.x9, 308.0x | 1 |
| All groups | More than one mental disorder group | F10-48, F50, F60, F70-F79, F84, F90-98 |  |  |

## eTable 3a: Prevalence-based studies

eTable 3a and 3b describes the included studies by author(s), year of publication, epidemiological approach, cost categories, diagnostic criteria, reference year and currency.

| **Study**  | **Cost category** | **Disorder group** | **Diagnostic criteria** | **Reference year** | **Currency** |
| --- | --- | --- | --- | --- | --- |
| Amaddeo *et al.,* 1997 | direct | mood disorders | ICD-10 | 1993 |  ITL |
| Andlin Sobocki *et al.,* 2005 | direct & indirect | 2+ disorders | DSM-5, ICD-10 | 2004 |  EUR |
| Balakrishnan *et al.,* 2009 | direct | substance use | ICD | 2005 |  GBP |
| Bell *et al.,* 2004 | direct & indirect | mood disorders | DSM-IV | 2003 |  CAD |
| Bendeck *et al.,* 2013 | direct | mood disorders | ICD-9-CM, ICD-10 | 2006 |  EUR |
| Birnbaum *et al.,* 2006 | direct & indirect | substance use | DSM-IV | 2001 |  USD |
| Bock *et al.,* 2016 | direct | mood disorders | ICD-10 | 2012 |  EUR |
| Bode *et al.,* 2017 | direct | 2+ disorders | ICD-10-GM | 2010 |  EUR |
| Bosmans *et al.,* 2010 | direct | mood disorders | ICPC-2 | 2003 |  EUR |
| Bourke *et al.,* 2018 | direct | personality disorders | DSM-IV, ICD-10 | 2014 |  EUR |
| Braun *et al.,* 2013 | direct | behavioural disorders | ICD-10 | 2008 |  EUR |
| Brecht *et al.,* 1996 | direct & indirect | substance use | ICD-9 | 1990 |  DEM |
| Burd *et al.,* 2003 | direct | behavioural disorders | ICD-9, DSM-IV | 1996 |  USD |
| Byford *et al.,* 2011 | direct | mood disorders | ICD-9-CM | 2006 |  GBP |
| Carr *et al.,* 2003 | direct & indirect | 2+ disorders | ICD-10 | 2000 |  AUD |
| Casadei *et al.,* 2017 | direct | behavioural disorders | DSM-IV-TR | 2015 |  EUR |
| Chan *et al.,* 2002 | direct | behavioural disorders | ICD-9-CM | 1996 |  USD |
| Chang *et al.,* 2008 | direct & indirect | 2+ disorders | ICD-10 | 2005 |  USD |
| Chang *et al.,* 2012 | direct & indirect | 2+ disorders | ICD-10 | 2005 |  USD |
| Chevreul *et al.,* 2013 | direct, indirect & intangible | 2+ disorders | ICD-10 | 2007 |  EUR |
| Chiavegatto Filho *et al.,* 2015 | direct | 2+ disorders | DSM-IV | 2007 |  BRL |
| Chiu *et al.,* 2017 | direct | mood disorders | ICD-9, ICD-10, DSM-IV | 2013 |  USD |
| Cidav *et al.,* 2012 | indirect | developmental disorders | ICD-9 | 2011 |  USD |
| Cloutier *et al.,* 2016 | direct & indirect | schizophrenia | ICD-9 | 2013 |  USD |
| Croft-Jeffreys and Wilkinson, 1989 | direct & indirect | neurotic disorders | ICD-9 | 1985 | GBP |
| Dams *et al.,* 2017 | direct & indirect | neurotic disorders | DSM-IV | 2014 | EUR |
| Das Gupta and Guest, 2002 | direct & indirect | mood disorders | READ codes, ICD-10 | 1999 | GBP |
| de Oliveira *et al.,* 2017 | direct | eating disorders | ICD-9, ICD-10, DSM-IV | 2012 | CAD |
| Degli Esposti *et al.,* 2014 | direct | 2+ disorders | ICD-9, ICD-10 | 2009 | EUR |
| Dilsaver, 2011 | direct & indirect | mood disorders | DSM-IV | 2009 | USD |
| DuPont *et al.,* 1996 | direct & indirect | neurotic disorders | DSM-III-R, ICD-9-CM | 1990 | USD |
| Ekman *et al.,* 2013a | direct & indirect | mood disorders | ICD-10 | 2008 | EUR |
| Ekman *et al.,* 2013b | direct & indirect | mood disorders | ICD-10 | 2008 | EUR |
| Evensen *et al.,* 2015 | direct & indirect | schizophrenia | ICD-10 | 2012 | USD |
| Ewest *et al.,* 2013 | direct | behavioural disorders | ICD-10 | 2012 | EUR |
| Ferry *et al.,* 2015 | direct & indirect | neurotic disorders | DSM-IV | 2008 | GBP |
| Fineberg *et al.,* 2013 | direct & indirect | neurotic disorders | DSM-III, DSM-IIIR, DSMIV, ICD-10 | 2010 | EUR |
| Fisher *et al.,* 2007 | direct & indirect | mood disorders | DSM-IV | 2004 | AUD |
| Fitzgerald *et al.,* 2007 | direct & indirect | schizophrenia | DSM-IV | 1999 | AUD |
| Florence *et al.,* 2016 | direct & indirect | substance use | ICD-9-CM | 2013 | USD |
| Frey, 2014 | direct & indirect | schizophrenia | ICD-10-GM | 2008 | EUR |
| Ganz, 2007 | direct & indirect | developmental disorders | ICD-9 | 2003 | USD |
| Gerhardt *et al.,* 2018 | direct | behavioural disorders | ICD-10 | 2011 | EUR |
| Greenberg *et al.,* 2003 | direct & indirect | mood disorders | DSM-IV | 2000 | USD |
| Greenberg *et al.,* 1999 | direct & indirect | neurotic disorders | DSM-III-R | 1990 | USD |
| Gupte-Singh *et al.,* 2017 | direct & indirect | behavioural disorders | ICD-9-CM | 2011 | USD |
| Gustavsson *et al.,* 2011 | direct & indirect | 2+ disorders | ICD-10 | 2010 | EUR |
| Hakkaart-van Roijen *et al.,* 2007 | direct | behavioural disorders | DSM-IV | 2004 | EUR |
| Hawthorne *et al.,* 2003 | direct, indirect & intangible | mood disorders | DSM-IV | 1998 | AUD |
| Hertzman, 1983 | direct | 2+ disorders | ICD-8 | 1975 | SEK |
| Hjortsberg *et al.,* 2011 | direct & indirect | schizophrenia | ICD-10 | 2007 | EUR |
| Hu *et al.,* 2007 | direct & indirect | mood disorders | DSM-IV | 2002 | RMB |
| Jarbrink and Knapp, 2001 | direct & indirect | developmental disorders | DSM-IV | 1997 | GBP |
| Kilian *et al.,* 2001 | direct | schizophrenia | ICD-10 | 1998 | DEM |
| Kind and Sorensen, 1993 | direct & indirect | mood disorders | ICD | 1990 | GBP |
| Kleine-Budde *et al.,* 2013 | direct | mood disorders | ICD-10 | 2009 | EUR |
| Klora *et al.,* 2015 | direct | behavioural disorders | ICD-10-GM | 2007 | EUR |
| Knapp *et al.,* 2002 | direct | schizophrenia | ICD-10 | 1998 | GBP |
| Krauth *et al.,* 2002 | direct & indirect | eating disorders | ICD-10 | 1998 | EUR |
| Laidi *et al.,* 2018 | direct | schizophrenia | DSM-IV-TR | 2015 | EUR |
| Lang and Su, 2004 | direct | schizophrenia | ICD-9-CM | 1999 | USD |
| Lee *et al.,* 2017 | direct & indirect | 2+ disorders | ICD-10 | 2013 | AUD |
| Libutzki *et al.,* 2019 | direct | behavioural disorders | ICD-10-GM | 2014 | EUR |
| Lima and Esquerdo, 2003 | direct & indirect | substance use | ICD-9-CM | 1995 | EUR |
| Lin *et al.,* 2011 | direct | developmental disorders | ICD-9-CM | 2005 | NTD |
| Lin *et al.,* 2013 | direct | developmental disorders | ICD-9-CM | 2005 | NTD |
| Ling *et al.,* 2017 | direct & indirect | eating disorders | DSM-5 | 2013 | USD |
| Liptak *et al.,* 2006 | direct | 2+ disorders | ICD-9-CM | 1999 | USD |
| Lund *et al.,* 2013 | indirect | 2+ disorders | DSM-IV | 2012 | EUR |
| Lunsky *et al.,* 2019 | direct | intellectual disabilities | ICD | 2009 | CAD |
| Maercker *et al.,* 2013 | direct & indirect | 2+ disorders | ICD-10, DSM-III-R/DSM-IV | 2010 | EUR |
| Mangalore and Knapp, 2007 | direct & indirect | schizophrenia | DSM-IV | 2004 | GBP |
| Manthey *et al.,* 2016 | direct & indirect | substance use | DSM-IV | 2014 | EUR |
| Mark *et al.,* 2000 | direct | substance use | ICD-9 | 1997 | USD |
| Masís *et al.,* 2010 | direct | mood disorders | ICD-10, DSM-IV-TR | 2010 | MXN |
| Mennini *et al.,* 2014 | indirect | mood disorders | DSM-IV | 2012 | EUR |
| Moreno *et al.,* 2006 | direct & indirect | neurotic disorders | ICD-9-MC | 2002 | EUR |
| Nakamura and Takano, 1993 | direct & indirect | substance use | ICD-9 | 1987 | JPY |
| Neil *et al.,* 2014 | direct & indirect | schizophrenia | ICD-10 | 2010 | AUD |
| Okumura and Higuchi, 2011 | direct & indirect | mood disorders | ICD-10 | 2008 | USD |
| Olesen *et al.,* 2012 | direct & indirect | 2+ disorders | ICD-10, DSM-IV | 2010 | EUR |
| Oliva-Moreno *et al.,* 2006 | direct & indirect | schizophrenia | ICD-9 | 2002 | EUR |
| Opoku-Boateng *et al.,* 2017 | direct & indirect | schizophrenia | ICD-10 | 2016 | USD |
| Ösby *et al.,* 2009 | direct | mood disorders | ICD-10 | 2005 | EUR |
| Pamias Massana *et al.,* 2012 | direct & indirect | mood disorders | ICD-9, ICD-10 | 2008 | EUR |
| Pares-Badell *et al.,* 2014 | direct & indirect | neurotic disorders | ICD-10 | 2010 | EUR |
| Patel *et al.,* 2002 | direct & indirect | neurotic disorders | ICD-10 | 1998 | GBP |
| Phanthunane *et al.,* 2012 | direct & indirect | schizophrenia | ICD-10 | 2008 | THB |
| Pletscher *et al.,* 2015 | direct & indirect | schizophrenia | ICD-10 | 2012 | EUR |
| Quintero *et al.,* 2018 | direct & indirect | behavioural disorders | DSM-IV | 2012 | EUR |
| Rice and Miller, 1998 | direct & indirect | 2+ disorders | ICD-9, DSM-III | 1990 | USD |
| Ritter *et al.,* 2015 | direct | substance use | ICD | 2012 | AUD |
| Rouillon *et al.,* 1997 | direct | schizophrenia | DSM-III-R | 1992 | USD |
| Rovira *et al.,* 2012 | direct & indirect | neurotic disorders | ICD-9, ICD-10 | 2006 | EUR |
| Runge and Grunze, 2004 | direct & indirect | mood disorders | ICD-10, DSM-IV | 2002 | EUR |
| Sado, 2014 | direct & indirect | mood disorders | DSM-IV | 2005 | JPY |
| Sado *et al.,* 2013 | direct & indirect | schizophrenia | ICD-10 | 2008 | JPY |
| Salvador-Carulla *et al.,* 2014 | direct & indirect | personality disorders | ICD-9, ICD-10 | 2006 | EUR |
| Salvador-Carulla *et al.,* 2011 | direct & indirect | mood disorders | ICD-10 | 2006 | EUR |
| Samnaliev *et al.,* 2015 | direct | eating disorders | ICD-9 | 2011 | USD |
| Sandelin *et al.,* 2013 | direct | neurotic disorders | ICD-10 | 2008 | SEK |
| Sarlon *et al.,* 2012 | direct & indirect | schizophrenia | DSM-IV | 2005 | EUR |
| Schlander, 2007 | direct | behavioural disorders | ICD-10 | 2012 | GBP |
| Schofield *et al.,* 2011 | indirect | mood disorders | ICD-10 | 2009 | AUD |
| Sharma *et al.,* 2006 | direct & indirect | schizophrenia | DIGS | 2002 | INR |
| Shei *et al.,* 2015 | direct | substance use | ICD-9-CM | 2013 | EUR |
| Shirneshan, 2014 | direct & indirect | neurotic disorders | ICD-9-CM | 2013 | USD |
| Slomp *et al.,* 2012 | direct | mood disorders | ICD-9-CM, ICD-10 | 2007 | CAD |
| Smit *et al.,* 2006 | direct & indirect | 2+ disorders | DSM-III-R | 2003 | EUR |
| Sobocki *et al.,* 2007 | direct, indirect & intangible | mood disorders | ICD-10 | 2005 | EUR |
| Soeteman *et al.,* 2008 | direct & indirect | personality disorders | DSM-III-R, DSM-IV | 2005 | EUR |
| Souêtre *et al.,* 1994 | direct & indirect | neurotic disorders | DSM-III-R | 1993 | USD |
| Stoudemire *et al.,* 1986 | direct & indirect | mood disorders | DIS | 1980 | USD |
| Strydom *et al.,* 2010 | direct | intellectual disabilities | ICD-10 | 2006 | GBP |
| Suleiman *et al.,* 1997 | direct | schizophrenia | ICD-10 | 1995 | NGN |
| Sundhedsministeriet [Ministry of Health], 1999 | direct | substance use | ICD-9-CM | 1999 | DKK |
| Telford *et al.,* 2013 | direct & indirect | behavioural disorders | DSM-IV, ICD-10 | 2010 | GBP |
| Teoh *et al.,* 2017 | direct & indirect | schizophrenia | DSM-5 | 2015 | USD |
| Thomas and Morris, 2003 | direct & indirect | mood disorders | ICD-9, ICD-10 | 2000 | GBP |
| Tiainen and Rehnberg, 2010 | direct & indirect | 2+ disorders | ICD-10 | 2001 | EUR |
| Tomonaga *et al.,* 2013 | direct & indirect | mood disorders | ICD-10 | 2010 | EUR |
| Trivedi *et al.,* 2004 | direct & indirect | mood disorders | ICD-9-CM | 1999 | USD |
| Trogdon *et al.,* 2015 | direct & indirect | mood disorders | ICD-9-CM | 2010 | USD |
| Vasiliadis *et al.,* 2013 | direct | 2+ disorders | DSM-IV | 2006 | CAD |
| Vazquez-Polo *et al.,* 2005 | direct | schizophrenia | DSM-IV | 1999 | EUR |
| Vodušek *et al.,* 2008 | direct & indirect | 2+ disorders | ICD-10 | 2004 | EUR |
| Wagner *et al.,* 2016 | direct | mood disorders | ICD-10 | 2010 | EUR |
| Wancata *et al.,* 2007 | direct & indirect | 2+ disorders | ICD, DSM | 2004 | EUR |
| Young *et al.,* 2011 | direct | mood disorders | ICD-10 | 2009 | GBP |
| Zeidler *et al.,* 2012 | direct | schizophrenia | ICD-10 | 2006 | EUR |
| Zuvekas and Meyerhoefer, 2009 | direct | substance use | ICD-9-CM | 2005 | USD |

## eTable 3b: Incidence-based studies

| **Study** | **Cost category** | **Disorder group** | **Diagnostic criteria** | **Reference year** | **Currency** |
| --- | --- | --- | --- | --- | --- |
| Begley *et al.,* 2001 | direct and indirect | mood disorders | DSM-III-R | 1998 | USD |
| Bereza *et al.,* 2012 | direct and indirect | neurotic disorders | DSM-IV, ICD-10 | 2008 | CAD |
| Chisholm *et al.,* 2003 | direct | mood disorders | DSM-IV | 2000 | ILS |
| Chollet *et al.,* 2013 | direct | neurotic disorders | READ codes | 2010 | GBP |
| Florence *et al.,* 2016 | direct and indirect | substance use | ICD-9-CM | 2013 | USD |
| Guest and Cookson, 1999 | direct and indirect | schizophrenia | ICD-7, ICD-8, ICD-9 | 1997 | GBP |
| Hall *et al.,* 1985 | direct and indirect | schizophrenia | DSM-III, ICD-8 | 1975 | USD |
| Hastrup *et al.,* 2019 | direct and indirect | schizophrenia | ICD-10 | 2016 | EUR |
| Heider *et al.,* 2009 | direct | schizophrenia | DSM-IV | 2000 | EUR |
| Holden *et al.,* 2013 | direct | behavioural disorders | Read-codes | 2009 | GBP |
| Kortmann *et al.,* 2017 | indirect | schizophrenia | ICD-10 | 2012 | EUR |
| Kujanpaa *et al.,* 2014 | direct | 2+ disorders | ICD-10 | 2007 | EUR |
| Langley-Hawthorne, 1997 | direct and indirect | schizophrenia | DSM-III | 1995 | AUD |

## eTable 4: Number of studies by country

The number of studies by country is shown in the table. The same study could provide estimates for more than one country. Consequently, the aggregated number of studies exceeds the number (143) of included studies in the systematic review. There was a markedly variation by country, where high-income countries had more COI-studies about mental disorders.

|  |  |
| --- | --- |
| **Country** | **Number of studies** |
| Australia | 11 |
| Austria | 3 |
| Belgium | 2 |
| Brazil | 2 |
| Bulgaria | 1 |
| Canada | 7 |
| China | 1 |
| Colombia | 1 |
| Cyprus | 2 |
| Czech Republic | 2 |
| Denmark | 5 |
| Estonia | 2 |
| Europe | 3 |
| Finland | 3 |
| France | 9 |
| Germany | 23 |
| Ghana | 1 |
| Greece | 2 |
| Hungary | 2 |
| Iceland | 2 |
| India | 1 |
| Ireland | 3 |
| Israel | 1 |
| Italy | 8 |
| Japan | 4 |
| Latvia | 2 |
| Lithuania | 2 |
| Luxembourg | 2 |
| Malaysia | 1 |
| Malta | 2 |
| Netherlands | 7 |
| Nigeria | 1 |
| Norway | 3 |
| Poland | 2 |
| Portugal | 3 |
| Romania | 1 |
| Russia | 1 |
| Slovakia | 2 |
| Slovenia | 3 |
| South Africa | 1 |
| South Korea | 2 |
| Spain | 15 |
| Sweden | 10 |
| Switzerland | 4 |
| Taiwan | 3 |
| Thailand | 1 |
| United Kingdom | 23 |
| United States | 24 |

## eTabe 5: Direct vs. indirect cost

16 distinct studies reported direct and indirect cost from the total societal costs. On average, direct cost constituted 52 % and indirect cost 48 % of the total societal costs. The table below show the percentages divided by disorder group.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Mental disorder group | Number of studies\* | Number of estimates\*\* | Direct cost | Indirect cost |
| Substance use | 4 | 15 | 66 % | 34 % |
| Schizophrenia | 7 | 21 | 45 % | 55 % |
| Personality disorders | 2 | 9 | 21 % | 79 % |
| Neurotic disorders | 5 | 30 | 58 % | 42 % |
| Mood disorders | 6 | 21 | 47 % | 53 % |
| Eating disorders | 2 | 9 | 74 % | 26 % |

Notes:
\* Some studies reported estimates for more than one disorder group.

\*\* Some studies reported estimates for more than one country.

## eTable 6: Without two multi-site studies

The univariate statistics were calculated for the societal cost per patient without the two multi-site studies, Andlin-Sobocki *et al.,* 2005) and Gustavsson *et al.,* 2011) to investigate their influence on the results.

|  |
| --- |
| **Societal cost per patient (USD PPP 2018)** |
| Disorder group | N | Median | Mean | Min. | Max. | 1st Qu. | 3rd Qu. |
| Substance use | 7 | 3,716 | 4,438 | 798 | 10,205 | 3,563 | 4,612 |
| Schizophrenia | 13 | 34,588 | 40,438 | 8,073 | 96,466 | 21,500 | 52,312 |
| Mood disorders | 13 | 7,728 | 10,640 | 158 | 40,045 | 3,492 | 13,969 |
| Neurotic disorders | 13 | 1,287 | 2,619 | 838 | 13,862 | 1,180 | 1,619 |
| Eating disorders | 4 | 859 | 9,985 | 41 | 38,183 | 509 | 10,335 |
| Personality disorders | 3 | 6,855 | 6,668 | 3,547 | 9,602 | 5,201 | 8,229 |
| Intellectual disabilities | - | - | - | - | - | - | - |
| Developmental disorders | 2 | 16,783 | 16,783 | 4,236 | 29,330 | 10,509 | 23,056 |
| Behavioural disorders | 5 | 2,151 | 5,347 | 840 | 12,588 | 1,867 | 9,290 |
| N = number of estimates (etc. one study can include several estimates for different countries) |

## eTable 7: Quality reporting scores by study

The quality reporting scores are presented in the table below together with author and publication year. 0 indicates the item was not reported, and 1 indicates it was reported. NA means the item is not applicable (only relevant for item 7 about discounting). The column ‘Score’ contains the total score on a standardized 10-point scale.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Authors | Year | 1. | 2. | 3. | 4. | 5. | 6. | 7. | 8. | 9. | 10. | 11. | 12. | 13. | 14. | 15. | Score |
| Amaddeo et al | 1997 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 6 |
| Andlin‐Sobocki et al | 2005 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 7 |
| Balakrishnan et al | 2009 | 1 | 0 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Begley et al | 2001 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 9 |
| Bell et al | 2004 | 1 | 1 | 1 | 0 | 1 | 0 | NA | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| Bendeck et al | 2013 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Bereza et al | 2012 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 8 |
| Birnbaum et al | 2006 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Bock et al | 2016 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| Bode et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Bosmans et al | 2010 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 9 |
| Bourke et al | 2018 | 1 | 1 | 1 | 1 | 0 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Braun et al | 2013 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Brecht et al | 1996 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 6 |
| Burd et al | 2003 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 5 |
| Byford et al | 2011 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 7 |
| Carr et al | 2003 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 8 |
| Casadei et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Chan et al | 2002 | 1 | 1 | 1 | 0 | 0 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 6 |
| Chang et al | 2008 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Chang et al | 2012 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Chevreul et al | 2013 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Chiavegatto Filho et al | 2015 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 6 |
| Chisholm et al | 2003 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Chiu et al | 2017 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 8 |
| Chollet et al | 2013 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Cidav et al | 2012 | 1 | 1 | 0 | 1 | 0 | 0 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| Cloutier et al | 2016 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Croft-Jeffreys, C and Wilkinson, G | 1989 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| Dams et al | 2017 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| Das Gupta & Guest | 2002 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 8 |
| de Oliveira et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Degli Esposti et al | 2014 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Dilsaver | 2011 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 5 |
| DuPont et al | 1996 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 7 |
| Ekman et al | 2013a | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Ekman et al | 2013b | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Evensen et al | 2015 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 8 |
| Ewest et al | 2013 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 6 |
| Ferry et al | 2015 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 9 |
| Fineberg et al | 2013 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 6 |
| Fisher et al | 2007 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Fitzgerald et al | 2007 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Florence et al | 2016 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 7 |
| Frey, S | 2014 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| Ganz  | 2007 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 7 |
| Gerhardt et al | 2018 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Greenberg et al | 1999 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Greenberg et al | 2003 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |
| Guest & Cookson | 1999 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Gupte-Singh et al | 2017 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| Gustavsson et al | 2011 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 8 |
| Hakkaart-van Roijen et al | 2007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 9 |
| Hall et al | 1985 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 8 |
| Hastrup et al | 2019 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Hawthorne et al | 2003 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Heider et al | 2009 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 6 |
| Hertzman, Peter | 1983 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| Hjortsberg et al | 2011 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 8 |
| Holden et al | 2013 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Hu et al | 2007 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Jarbrink & Knapp | 2001 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 6 |
| Kilian et al | 2001 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 3 |
| Kind & Sorensen | 1993 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 |
| Kleine-Budde et al | 2013 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Klora et al | 2015 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Knapp et al | 2002 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 7 |
| Kortmann et al | 2017 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 7 |
| Krauth et al | 2002 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 6 |
| Kujanpaa et al | 2014 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 5 |
| Laidi et al | 2018 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 8 |
| Lang et al | 2004 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Langley-Hawthorne | 1997 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 5 |
| Lee et al | 2017 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Libutzki et al | 2019 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 8 |
| Lima et al | 2003 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Lin et al | 2011 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 5 |
| Lin et al | 2013 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 7 |
| Ling et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Liptak et al | 2006 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Lund et al | 2013 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Lunsky et al | 2019 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Maercker et al | 2013 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 7 |
| Mangalore & Knapp | 2007 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Manthey et al | 2016 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 |
| Mark et al | 2000 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 6 |
| Masís et al | 2010 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Mennini et al | 2014 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| Moreno et al | 2006 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 7 |
| Nakamura & Takano | 1993 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Neil et al | 2014 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 8 |
| Okumura & Higuchi | 2011 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 8 |
| Olesen et al | 2012 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 7 |
| Oliva-Moreno et al | 2006 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 6 |
| Opoku-Boateng et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 7 |
| Pamias Massana et al | 2012 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Pares-Badell et al | 2014 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 7 |
| Patel et al | 2002 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 1 | 0 | 0 | 1 | 8 |
| Phanthunane et al | 2012 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 7 |
| Pletscher et al | 2015 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 8 |
| Quintero et al | 2018 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Rice & Miller | 1998 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Ritter & Berends | 2015 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| Rouillon et al | 1997 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 7 |
| Rovira et al | 2012 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Runge & Grunze | 2004 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Sado  | 2014 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Sado et al | 2013 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Salvador-Carulla et al | 2014 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Salvador-Carulla et al | 2011 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Samnaliev et al | 2015 | 1 | 1 | 1 | 0 | 0 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 6 |
| Sandelin et al | 2013 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Sarlon et al | 2012 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Schlander | 2007 | 1 | 1 | 0 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 8 |
| Schofield et al | 2011 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 8 |
| Sharma et al | 2006 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 6 |
| Shei et al | 2015 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 7 |
| Shirneshan E | 2014 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 9 |
| Slomp et al | 2012 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 5 |
| Smit et al | 2006 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 7 |
| Sobocki et al | 2007 | 1 | 1 | 0 | 1 | 0 | 1 | NA | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Soeteman et al | 2008 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 9 |
| Souêtre et al | 1994 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 7 |
| Stoudemire et al | 1986 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 5 |
| Strydom et al | 2010 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 9 |
| Suleiman et al | 1997 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 1 | 6 |
| Sundhedsministeriet [Ministry of Health] | 1999 | 1 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 7 |
| Telford et al | 2013 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 10 |
| Teoh et al | 2017 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 1 | 1 | 1 | 9 |
| Thomas et al | 2003 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 7 |
| Tiainen & Rehnberg  | 2010 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 8 |
| Tomonaga et al | 2013 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 1 | 9 |
| Trivedi et al | 2004 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 4 |
| Trogdon et al | 2015 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 0 | 1 | 1 | 6 |
| Vasiliadis et al | 2013 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 6 |
| Vazquez-Polo et al | 2005 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 1 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 9 |
| Vodušek et al | 2008 | 1 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 1 | 0 | 1 | 5 |
| Wagner et al | 2016 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 1 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Wancata et al | 2007 | 1 | 1 | 0 | 1 | 0 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 6 |
| Young et al | 2011 | 1 | 1 | 0 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 6 |
| Zeidler et al | 2012 | 1 | 1 | 1 | 1 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 1 | 8 |
| Zuvekas & Meyerhoefer  | 2009 | 1 | 0 | 0 | 1 | 0 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 4 |
| Ösby et al | 2009 | 1 | 1 | 1 | 0 | 1 | 1 | NA | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 6 |

Note: the scores have been standardized to a 10-point scale.

## eTable 8: Societal cost in studies with high quality reporting scores

Studies with a quality reporting score below 7 were excluded to investigate their influence on the univariate statistics and the figures for societal mean costs per patient.

|  |
| --- |
| **Societal cost per patient (USD PPP 2018)** |
| Disorder group | N | Median | Mean | Min. | Max. | 1st Qu. | 3rd Qu. |
| Substance use | 93 | 4,755 | 5,091 | 798 | 11,944 | 2,986 | 6,522 |
| Schizophrenia | 67 | 12,727 | 16,771 | 3,255 | 71,878 | 8,050 | 20,590 |
| Mood disorders | 96 | 4,443 | 5,670 | 888 | 40,045 | 2,835 | 6,949 |
| Neurotic disorders | 214 | 933 | 1,161 | 128 | 13,862 | 552 | 1499 |
| Eating disorders | 33 | 535 | 1,658 | 41 | 38,183 | 320 | 700 |
| Personality disorders | 32 | 5,663 | 5,796 | 1,637 | 10,051 | 3,513 | 7,664 |
| Intellectual disabilities | 30 | 10,105 | 9,762 | 3,052 | 22,040 | 6,431 | 12,174 |
| Developmental disorders | 1 | 29,330 | 29,330 | 29,330 | 29,330 | 29,330 | 29,330 |
| Behavioural disorders | 4 | 2,009 | 3,537 | 840 | 9,290 | 1,610 | 3,936 |
| Developmental & behavioural disorders | 30 | 3,564 | 3,672 | 1,368 | 9,473 | 2,621 | 4,142 |
| N = number of estimates (etc. one study can include several estimates for different countries) |

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