

Supplementary Online Content

Walker ER, McGee RE, Druss BG. Mortality in mental disorders and global disease burden implications: a systematic review and meta-analysis. *JAMA Psychiatry*. Published online February 11, 2015. doi:10.1001/jamapsychiatry.2014.2502.

eTable 1. Systematic Review Search Strings for Each Database

eTable 2. Characteristics of 203 Studies on Mental Disorders and Mortality

eTable 3. Studies Used in Each Analysis

eTable 4. Studies That Included Years of Potential Life Lost

eFigure 1. Forest Plot of Relative Risks for All-Cause Mortality Among People With Mental Disorders

e Figure 2. Funnel Plot of 149 Estimates Included in the Meta-analysis of All-Cause Mortality Among People With Mental Disorders

eReferences

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

eTable 1. Systematic Review Search Strings for Each Database

Database	Search	Filters/Limits	# of Results
PubMed	(Mental disorders/mortality*) AND cohort studies[MeSH Terms]	English	223
	(((((serious mental illness[Title/Abstract]) OR severe mental illness[Title/Abstract]))) AND mortality[MeSH Terms]) AND cohort studies[MeSH Terms]	English	19
	((Schizophrenia/mortality*) OR (Depressive disorder, major/mortality*) OR (Anxiety disorders/mortality*) OR (Bipolar disorder/mortality*)) AND cohort studies[MeSH Terms]	English	267
EMBASE	'serious mental illness' OR 'severe mental illness' AND 'mortality'/exp/mj AND ('cohort study'/exp OR 'follow up'/exp) AND ([article]/lim OR [article in press]/lim) AND [english]/lim	English (in the search string) Article or Article in press (in the search string) Embase (not Medline) No mapping preferences checked	11
	'mental disease'/mj AND 'mortality'/exp/mj AND ('cohort study'/exp OR 'follow up'/exp) AND ([article]/lim OR [article in press]/lim) AND [english]/lim	English (in the search string) Article or Article in press (in the search string) Embase (not Medline) No mapping preferences checked	35
	('anxiety disorder'/exp/mj OR 'bipolar disorder'/exp/mj OR 'major depression'/exp/mj OR 'schizophrenia'/exp/mj) AND 'mortality'/exp/mj AND ('cohort study'/exp OR 'follow up'/exp) AND ([article]/lim OR [article in press]/lim) AND [english]/lim	English (in the search string) Article or Article in press (in the search string) Embase (not Medline) No mapping preferences checked	68
PsychINFO	(TI serious mental illness OR AB serious mental illness OR TI severe mental illness OR AB severe mental illness) AND MM "Mortality Rate"	English, Journals, Followup study, longitudinal study, prospective study, retrospective study	3
	(MM "Mental Disorders") AND (MM "Mortality Rate")	English, Journals, Followup study, longitudinal study, prospective study, retrospective study	35
	((MM "Major Depression") OR (MM "Anxiety Disorders") OR (MM "Schizophrenia") OR (MM "Bipolar Disorder")) AND (MM "Mortality Rate")	English, Journals, Followup study, longitudinal study, prospective study, retrospective study	105
Web of Science	(TS= "severe mental illness" OR TS= "serious mental illness") AND (TS= mortality) AND (TS= "cohort study" OR TS= "follow up")	English Article	63
	(TS="mental disorders") AND (TS= mortality) AND (TS= "cohort study" OR TS= "follow up")	English Article	314
	((TS= "major depression" OR TS= anxiety OR TS= "bipolar disorder" OR TS= schizophrenia) AND (TS= mortality) AND (TS= "cohort study" OR TS= "follow up"))	English Article	1325

eTable 2. Characteristics of 203 Studies on Mental Disorders and Mortality

First Author, Year, Country	Setting	Period ; Maximum years of follow-up	Age	Number of people with mental disorders	Mental disorder diagnoses	Population of people with mental disorders	Method of determining mental disorders	Comparison Group	Mortality measure	Analyses	Adjustment Variables
Ajetunmobi, 2013, Scotland ¹	Scottish Morbidity Record for Mental III health	1986-2010; 25	≥15	111504	schizophrenia, bipolar disorder, depression, neurosis, eating disorder and personality disorder	inpatients	hospital records	General population : Scotland	SMR; YPLL	AC, D, NC, UC, YPLL	age, sex, period, deprivation category
Allebeck, 1989, Sweden ²	Stockholm County Inpatient Register	1971-1981; 10		1190	schizophrenia	inpatients	register	General population : Stockholm County	SMR	AC, D, NC, UC	age, sex
Allgulander, 1991, Sweden ³	Public inpatient facilities in Stockholm County	1973-1986; 14	≥18	3302	anxiety neurosis	inpatients	register	General population : Stockholm County	SMR	AC, D, NC, UC	age, sex
Allgulander, 1994, Sweden ⁴	Psychiatric Case Register	1973-1989; 17		48440	anxiety neurosis, depressive neurosis	inpatients	register	General population : Sweden	SMR	UC	age
Anderson, 1991, UK ⁵	Harrow Study of two psychiatric hospitals	1975-1989; 14		532	Schizophrenia	inpatient and day patient	medical records	General population : Harrow	SMR	AC, D, NC, UC	ns
Angst, 2013, Switzerland ⁶	Psychiatric Hospital University of Zurich	1959-2009; 52		403	unipolar and bipolar depression	inpatients	clinical diagnosis	General population : Switzerland	SMR	AC, D, NC, UC	age, sex, year

Arvidsson, 2011, Sweden ⁷	Community survey	1995-2005; 10	≥18	602	severe mental disorders	community-based services	interview	General population : Sweden	SMR	AC, NC, UC	ns
Baxter, 1996, UK ⁸	Salford Psychiatric Case Register	1969-1990; 18	>85	6391	schizophrenia, affective disorder, neurosis, or personality disorder	inpatients, outpatients, day patients	medical record	General population : Salford	SMR	AC, D, NC, UC	age, sex calendar year
Baxter, 1999, UK ⁹	Salford Psychiatric Case Register	1969-1990; 18	<95	6410	schizophrenia, affective disorder, neurosis, or personality disorder	inpatients, outpatients, day patients	medical records	General population : Salford	SMR	UC	age, sex calendar year
Bayard-Burfield, 1998, Sweden ¹⁰	Swedish Survey of Living Conditions	1979-1996; 18	25-74		long-standing psychiatric illness	community-based sample	self-report	General population : Sweden	SMR	AC, UC	age, illness, no illness, country of birth, education, civil status, housing, car ownership, social network
Berglund, 1987, Sweden ¹¹	Univesity Hospital, Lund, Department of Psychiatry	1956-1983; 28		1206	severe depression	inpatients	diagnostic interview	General population : Sweden	SMR	AC, D, NC, UC	age, sex
Berren, 1994, US ¹²	Arizona Center for Clinical Management, Pima County	1990-1993; 3.25	20-64	1980	seriously mentally ill	patients served at public mental health center	medical records	General population : county	SMR	AC, NC, UC	time period
Bjorkenstam, 2012, Sweden ¹³	National Patient Register	2006-2007; 2	20-79	138064	schizophrenia and other non-affective psychoses, affective disorder, anxiety disorder	inpatients and outpatients	register	Swedish population aged 20-79 without inpatient and outpatient care due to mental	RR	AC, D, NC, UC	age

								disorders			
Black, 1985, US ¹⁴	University of Iowa Psychiatric Hospital	1972-1981; 10		4207	schizophrenia, affective disorders, neuroses, personality disorders, adjustment disorder	inpatients	medical records	General population : Iowa	SMR	AC, D	age, sex, follow-up time
Black, 1985, US ¹⁵	University of Iowa Psychiatric Hospital	1972-1981; 10		4207	schizophrenia, affective disorders, neuroses, personality disorders, adjustment disorder	inpatients	medical records	General population : Iowa	SMR	UC	age, sex, follow-up time
Black, 1987, US ¹⁶	University of Iowa Psychiatric Hospital	1970-1983; 14		1593	psychiatric patients with affective disorders	inpatients	medical records	General population : Iowa	SMR	NC	age, sex, follow-up time
Black, 1992, US ¹⁷	University of Iowa Psychiatric Hospital	1970-1988; 19		356	schizophrenia	inpatients	medical records	General population : Iowa	SMR	NC	age, sex, follow-up time
Bohnert, 2012, US ¹⁸	Veterans Affairs National Patient Care Database	2000-2006; 7		477489	depression	inpatients and outpatients	medical records	patients without depressive disorders	HR	UC	age, sex, comorbidity score, VA priority status
Boscarino, 2008, US ¹⁹	National Personnel Records, random sample of Vietnam veterans	1985-2000; 16		311	PTSD	veterans	interview	veterans without PTSD	HR	NC	theater status, age, intelligence, smoking, BMI

Bradvik, 2001, Sweden ²⁰	Univesity Hospital, Lund, Department of Psychiatry	1956-1998 (only deaths since 1984); 42		675	depression	inpatients	diagnostic interview	General population : Sweden	SMR	AC, D, NC, UC	age, sex
Brodady, 1997, Australia ²¹	Prince Henry Hospital	1966-1995; 29		212	depression	inpatients	diagnostic interview	General population : Australia	SMR	AC, D, UC	age, sex, year
Broderse n, 2000, Denmark ²²	Psychiatric hospital in Aarhus	1981-1997; 16	15-70	133	affective disorder	inpatients	medical records	General population : Denmark	SMR	AC, D, NC, UC	age, sex, calendar period
Brook, 1984, Netherlands ²³	National register of inpatient hospitals	1979-1981; 2	≥20	11221	dementia, other organic, schizophrenia, affective psychosis, other psychosis, psychoneurosis, personality disturbances, alcohol psychosis, drug psychosis, drug abuse, special syndromes, mental retardation	inpatients	medical records	General population : Netherlands	SMR	AC, D, NC, UC	age, sex
Brown, 2010, England ²⁴	Community cohort, Southampton	1981-2006; 25	16-65	363	schizophrenia	outpatients	medical records	General population : England and Wales	SMR	AC, D, NC, UC	age, sex, calendar period

Bryngelson, 2013, Sweden ²⁵	Employees in the longitudinal integration database for health insurance and labour market studies, linked to AFA insurance database and national inpatient register	1990-2007; 17	16-60	2351	sickness absence for psychiatric disorders	employees	register	employees with no sickness absence	HR	AC, NC, UC	age, sex, education, country of origin, family situation
Buchholz-Hansen, 1993, Denmark ²⁶	2 multicenter trials	1980-1990; 10	19-67	219	depression	inpatients	on antidepressants; have depression diagnosis; above cut point on Hamilton Rating Scale for Depression	General population : Denmark	SMR	AC, D, NC, UC	age, sex
Burvill, 1994, Australia ²⁷	Public psychiatry hospitals in Perth	ns; 5	≥60	103	depression	inpatients and outpatients	medical records	General population : Perth	SMR	AC, D	age, sex
Byers, 2012, US ²⁸	Veterans Affairs National Patient Care Database	2001-2007; 7	≥55	27591	depression	inpatients and outpatients	medical records	no mental illness	HR	AC, D	sex, education, income

Callaghan, 2013, US ²⁹	California Office of Statewide Health Planning and Development inpatient hospital admission data	1990-2005; 16		577347	schizophrenia, bipolar, depression	inpatients	hospital records	General population : California	SMR	NC	age
Carriere, 2013, France ³⁰	community-dwelling elderly	1999-2011; 10	≥65	265	anxiety	community-based cohort	diagnostic interview	no disorder	HR	AC, D, NC	age
Casadebaig, 1991, France ³¹	Medical Statistics for Psychiatric Institutions	1968-1982; 15	20-84		psychotic disorders, neurotic disorders, mental retardation, dementia	inpatients	hospital records	General population : France	SMR	AC	age and sex
Chang, 2010, UK ³²	South London and Maudsley NHS Foundation Trust	2007-2009; 3	≥15	31719	schizophrenia, schizoaffective, bipolar affective disorder, depressive disorders	secondary mental healthcare	medical records	General population : England and Wales	SMR	AC, D	age
Chang, 2011, UK ³³	SLAM Biomedical Research Centre Case Register	2007-2009; 3	>15	31719	schizophrenia, schizoaffective, bipolar affective disorder, depressive disorders	secondary mental healthcare	register	General population : England and Wales	YPLL	YPLL	age
Chen, 1996, Taiwan ³⁴	Taiwanese Inpatient Epidemiological project	1987-1993; 6	≥15	11276	schizophrenia, affective disorders	inpatients	medical records	General population : Taiwan	SMR	AC, D, NC, UC	age, sex

Chwastia k, 2010, US ³⁵	Large Health Survey of Veteran Enrollees	1999- 2008; 9		21.80%	schizophre ni a, bipolar, major depressive disorder, other depression, PTSD	inpatients and outpatients	administr ative records	patients with no diagnoses	HR	AC, D	age, sex, race
Colton, 2006, US ³⁶	Administrati ve data from 8 state public mental health agencies	1997- 2000; 4			clients of public mental health system	public mental health clients	received services	General population : State (SMR); United States (YPLL)	SMR; YPLL	AC, YPLL	
Conner, 2012, US ³⁷	Military records of US Air Force personnel	2000- 2009; 9			depression	inpatients and outpatients	medical records	no mental illness	HR	UC	comorbid mental health diagnoses
Conner, 2013, US ³⁸	Veteran's Affairs National Patient Care Database	2000- 2006; 7	≥18		PTSD, substance use or dependence , depression, bipolar disorder, anxiety disorder, schizophre ni a	inpatients and outpatients	medical records	no mental disorder diagnosis	HR	UC	age
Crump, 2013, Sweden ³⁹	Swedish Outpatient Registry and the Swedish Hospital Registry	2003- 2009; 7	≥20	6618	bipolar	inpatients and outpatients	register	no bipolar disorder	HR; YPLL	AC, D, NC, UC, YPLL	age
Crump, 2013, Sweden ⁴⁰	Swedish Outpatient Registry and the Swedish Hospital	2003- 2009; 7	≥25	8277	schizophre ni a	inpatients and outpatients	register	no diagnosis of schizophr enia	HR; YPLL	AC, D, NC, UC, YPLL	age

	Registry										
Crump, 2013, Sweden ⁴¹	Swedish Outpatient Registry and the Swedish Hospital Registry	2001-2008; 8	≥20	425617	schizophrenia, bipolar disorder, depression, anxiety disorder, personality disorder	inpatients and outpatients	register	no mental disorder diagnosis	HR	UC	age
Crump, 2013, Sweden ⁴²	Swedish Outpatient Registry and the Swedish Hospital Registry	2001-2008; 8	≥17		schizophrenia, schizotypal, and delusional disorders, affective disorders, anxiety disorders, personality disorders	inpatients and outpatients	register	no mental disorder diagnosis	HR	UC	age, sex
Curkenda II, 2004, Canada ⁴³	Saskatchewan Health Database	1994-1999; 6	≥18	3022	schizophrenia	inpatients and outpatients	register	4 age and sex matched comparison individuals without diagnosis of mental disorder	RR	AC, NC, UC	matched on age and gender
Daumit, 2010, US ⁴⁴	Medicaid administrative claims data, Maryland	1993-2001; 9	21-62	NS	schizophrenia diagnosis or being disabled with a diagnosis of bipolar disorder, major	individuals with serious mental illness who were on Medicaid	administrative records	General population : Maryland	SMR	AC, D, NC, UC	age, sex, race

					depression, or other mental disorder diagnoses and specialty mental health care use						
D'Avanzo, 2003, Italy ⁴⁵	12 psychiatric hospitals	1994-2000; 7		2915	schizophrenia, affective, personality, organic, mental retardation, other	inpatients	medical records	General population : Lombardy and Liguria areas	SMR	AC, NC, UC	age, sex
Dembling, 1999, US ⁴⁶	Department of Public Health administrative records	1985-1994; 10	≥18	1890	diagnosis of a serious or long-term mental illness, evidence of dysfunction	Patients who received services from Department of Mental Health	administrative records	General population : US	YPLL	YPLL	
Dickerso n, 2013, US ⁴⁷	Stanley Research Program, Sheppard Pratt	1999-2009; 11	18-65	517	schizophrenia, schizoaffective	part of research program and receiving services	diagnostic interview	General population : US	SMR	AC, D	age, sex, race
Dickey, 2004, US ⁴⁸	Medicaid administrative claims data, MA	1997-1998; 1	18-64	47323	psychosis or other mental disorders	Medicaid enrollees treated for mental illness	administrative records	Medicaid beneficiaries, treated for medical, but not mental or SU disorder; general MA population	RR; OR; YPLL	AC, D, UC, YPLL	AC: age, sex; UC: age, gender, race, geographic region

Drew, 2005, Australia ⁴⁹	Australian Capital Territory Mental Health Services records	1996-2000; 16	≥15	16030	mentally ill	Mental Health Service enrollees	medical records	General population : Australian Capital Area	RR	AC, NC, UC	age
Druss, 2011, US ⁵⁰	National Health Interview Survey	1989-2006; 18	≥18	1725	schizophrenia and other psychotic disorders, affective disorders, substance use disorders, other	community-based sample	self-report	no mental illness	HR; YPLL	AC, YPLL	age, sex, race
Dube, 1984, India ⁵¹	International Pilot Study of Schizophrenia	1968-1981; 14	15-54	62	schizophrenia and other psychosis	Patients who received psychiatric services	diagnostic interview	General population : Agra	SMR	AC, D	age, sex
Dutta, 2007, UK ⁵²	Camberwell Case Register	1965-1999; 35	16+	239	bipolar	inpatients and outpatients	medical records	General population : England and Wales	SMR	AC, D, NC, UC	age, sex
Dutta, 2012, UK ⁵³	Camberwell Cumulative Psychiatric Case Register; Aetiology and Ethnicity in Schizophrenia and Other Psychoses study; Information and Statistical Division of the Scottish	1965-2007; 43	≥16	2723	psychosis	inpatients and outpatients	medical records	General population : England and Wales	SMR	AC, D, NC, UC	age, gender and calendar year

	Office in Edinburgh and local registers										
Eastwood, 1982, Canada ⁵⁴	Inpatient psychiatric facilities, Toronto	1969-1972; 9.5	16+	1436	organic brain disease, schizophrenia, affective disorders, addictive disorders, other	inpatients	medical records	General population : Toronto	SMR	AC, D, NC, UC	age, sex
Eaton, 2013, US ⁵⁵	Epidemiologic Catchment Area Study	1979-2007; 29	≥18	4779	panic disorder, any phobic disorder, agoraphobia, social phobia, simple phobia, obsessive-compulsive disorder, major depressive disorder, dysthymic disorder, drug dependence / abuse, antisocial personality disorder, cognitive impairment	community-based	diagnostic interview	no disorder	HR	AC, D	site, sex, race/ethnicity, education, marital status, occupational status percentile
Enger, 2004, US ⁵⁶	United Health Group	1995-1999; 4	15-64	1920	schizophrenia	antipsychotic prescription ; visit to provider	administrative data	random sample matched on age, sex, date,	RR	AC, D, NC	age, sex, year of index dispensing, history of diabetes, antianginal

								health plan			medication, antihypertensive medication
Erlangsen, 2012, Denmark ⁵⁷	Administrative registries	1990-2006; 17	≥50	18058	schizophrenia	inpatients	register	no mental illness	RR	UC	age, year, living status, retirement, chronic comorbidity, contact with general practitioner, living in nursing home, income, hospitalization
Fichter, 1995, Germany ⁵⁸	Upper Bavarian Study	1975-1988; 13	≥15	1668	organic and other mental brain disorder, other psychosis, neurosis, personality disorders, psychosomatic disorders, alcohol-related disorders, oligophrenia	community-based	diagnostic interview	no mental disorder	OR	AC	ns
Fok, 2012, UK ⁵⁹	SLAM Biomedical Research Centre Case Register	2007-2010; 4	>15	1836	personality disorders	secondary mental healthcare	register	General population : England and Wales	YPLL	YPLL	age
Fors, 2010, Sweden ⁶⁰	Northern Catchment area of Uppsala	1991-2000; 10	≥18	255	schizophrenia	inpatients and outpatients	medical records	matched for sex, age, living area	HR	AC, D, NC, UC	age, sex, catchment area
Gale, 2012, Sweden ⁶¹	Multi-Generation Register, Military Service	1969-2004; 35	≥16	61677	schizophrenia, other nonaffective psychotic disorders,	mental disorders at conscription	diagnostic interview	no diagnosis	HR	D	age

	Conscription Register, National Hospital Discharge Register				bipolar disorders, depressive disorders, neurotic and adjustment disorders, personality disorders, alcohol-related disorders, and other substance use disorders						
Gallo, 2005, US ⁶²	20 primary care clinics	2001-2003; 2	60-74 and >75	598	depression	primary care	diagnostic interview	5% random sample of patients who scored lower than 20 on CES-D during screening	OR	AC, D	age, gender, race, marital status, education, smoker
Goldacre, 1993, England ⁶³	Oxford Record Linkage Study	1979-1986; 8	≥15	14240	schizophrenia, depression, affective psychoses, neuroses, alcohol dependence, other	inpatients	ns	General population : Oxford	SMR	UC	ns
Gringoletti, 2009, Italy ⁶⁴	South Verona Community-based Mental Health Service	1982-2001; 20	≥14	6956	schizophrenia, affective disorder, neuroses, personality, drug addiction,	inpatients and outpatients	register	General population : Veneto region	SMR	AC, D, NC, UC	age, sex, catchment area

					alcohol addiction, other						
Guan, 2012, Netherlands ⁶⁵	Psychiatric Case Register Middle Netherlands	1999-2008; 10		21797	schizophrenia, bipolar disorder, depression	inpatients and outpatients	register	4 controls per case randomly selected; frequency matching on birth year, gender, ethnic origin	HR	AC, D, NC, UC	age, sex ethnic origin, mean income of last registered neighborhood
Haklai, 2011, Israel ⁶⁶	National Psychiatric Case Register	1981-2006; 26	≥18	136687	non-affective psychotic disorders, affective disorders	inpatients	register	Jewish population	RR	AC, D, NC, UC	age
Hamer, 2008, Scotland ⁶⁷	Scottish Health Survey	1995/98/03 to 2006; 12	≥16	597	depressive disorder, substance abuse, schizophrenia and related psychoses, anxiety and stress, eating and personality disorders	inpatients	register	General population : no psychiatric hospitalization	HR	AC, NC	age, sex
Hannerz, 2000, Sweden ⁶⁸	Swedish National Hospital Discharge Registry	1978-1985; 8	≥18	41134	functional psychoses	inpatients	register	General population : Sweden	SMR	AC, D	age, sex
Hansen, 2001, Norway ⁶⁹	Asgard Psychiatric Hospital	1980-1992; 12		1779	non-organic psychiatric disorders	inpatients	medical records	General population : Norway	SMR	AC, NC, UC	age

Haugland, 1983, US ⁷⁰	Multi-State Information System, Rockland County, NY	1975-1978; 3		1033	schizophrenia, alcoholism, affective disorders	inpatients	register	General population : New York	SMR	AC, D, NC, UC	age, sex
Head, 2008, UK ⁷¹	Whitehall Study	1985-2004; 20	35-55	235	neuroses	employees with sickness absence	administrative data	no sickness absence	HR	AC, D, NC	age, sex, employment grade
Healy, 2012, Wales ⁷²	North Wales Asylum Denbigh, North West Wales District General Hospital Psychiatric Unit	1875-1924; 1994-2010; 50; 17	≥15	Historical: 1074; Contemporary: 355	schizophrenia, schizoaffective, delusional, acute and transient psychoses, unspecified non-organic psychosis	inpatients	register	General population : England and Wales	SMR; YPLL	AC, D, NC, UC, YPLL	age, sex
Helia, 2005, Finland ⁷³	National Hospital Discharge Register	1980-1996; 17		58761	schizophrenia	inpatients	register	General population : Finland	RR	AC, D, NC, UC	age
Herrman, 1983, Australia ⁷⁴	Oxford Psychiatric Case Register, Oxford Record Linkage Study	1970-; 4	≥15	592	schizophrenia	inpatients and outpatients	register	General population : Oxfordshire county	SMR	AC, D	age, sex
Hewer, 1995, Germany ⁷⁵	Psychiatric hospitals in southwestern Germany	1984-1986; 2.5		10733	functional psychoses	inpatients	psychiatrist survey	General population : Germany	SMR	AC, D, NC	age, sex
Hiroeh, 2001, Denmark ⁷⁶	Danish Psychiatric Case Register	1973-1993; 21	≥21	72208	schizophrenia, affective psychoses, nonaffective psychoses, neurosis, psychopathy	inpatients	register	General population : Denmark	SMR	UC	age

					/personality disorders, other						
Hiroeh, 2008, Denmark ⁷⁷	Civil Registration System; Psychiatric Central Register	1973-1993; 21	≥15	258000	schizophrenia, affective psychoses, nonaffective psychoses, neurosis, psychopathy /personality disorders, other	inpatients	register	General population : not admitted to psychiatric hospital	SMR; YPLL	NC, YPLL	age
Ho, 2003, China ⁷⁸	Hong Kong psychiatric hospitals or psychiatric wards in general hospitals	1997-2000; 4	≥15	21921	schizophrenia, mood disorders, neurotic disorders, other	inpatients	medical records	General population : Hong Kong	SMR	UC	age, sex
Hoang, 2011, England ⁷⁹	English National Hospital Episode Statistics	1999-2006; 1		34993	schizophrenia, bipolar	inpatients	medical records	General population : England	SMR	AC, D, NC, UC	age, sex
Hoang, 2013, UK ⁸⁰	English National Hospital Episode Statistics	2006-2008; 1	<75 years	75573	schizophrenia, bipolar	inpatients	medical records	General population : England	SMR	AC, D	age, sex
Holwerda, 2006, Netherlands ⁸¹	Amsterdam Study of the Elderly (AMSTEL)	1992-2001; 10	65-84	988	anxiety, depression	community-based	interview	no disorder	HR	AC, D	age, education
Honkone n, 2008, Finland ⁸²	Department of Psychiatry, Tampere University Hospital	1999-2005; 7	18-64	3835	substance abuse, schizophrenia, affective disorders, other	inpatients and outpatients	register	General population : Finland	SMR	AC, D, NC, UC	age, sex

Hoye, 2011, Norway ⁸³	University Hospital of North Norway	1980-2006; 27		1111	schizophrenia	inpatients	register	General population : Norway	SMR	AC, D, NC, UC	age
Hoye, 2013, Norway ⁸⁴	University Hospital of North Norway	1980-2006; 27		573	personality disorders	inpatients	medical records	General population : Norway	SMR	AC, NC, UC	age
Hoyer, 2000, Denmark ⁸⁵	Danish Psychiatric Case Register	1973-1993; 21	≥15	54103	affective disorders	inpatients	register	General population : Denmark	SMR	AC, D, NC, UC	age, sex
Ilgen, 2012, US ⁸⁶	VA National Patient Care Database	2007-2008; 1		1723310	depression, PTSD, substance use disorder, other anxiety, bipolar disorder, schizophrenia	inpatients and outpatients	medical records	no mental illness	HR	UC	age, sex, Veteran's Integrated Service Networks, clustering at facility level
James, 2010, England ⁸⁷	Hospital Episode Statistics of National Health Services hospital admissions	1998-2004; 1			schizophrenia, affective disorders, neurotic disorders, personality disorders, behavioral disorders	inpatients	medical records	General population : England	SMR	AC	age, sex
Jeong, 2013, Korea ⁸⁸	KLoSHA, Seongnam City	2005-2010; 5	≥65	186	depression	community-based	diagnostic interview	no depression	HR	AC, D	age, education, cognitive function, alcohol use, smoking

Jonsson, 2013, Sweden ⁸⁹	National Board of Health and Welfare, Statistics Sweden, and National Social Insurance Agency	2006-2010; 5	19-23	8070	schizophrenia, schizotypal and delusional disorders, bipolar affective disorder, unipolar depression, neurotic, stress-related somatoform disorders, personality disorders, mental retardation, pervasive developmental disorder, hyperkinetic disorder, other	disability pension	administrative data	no disability pension	HR	AC, UC	sex, country of birth, parental education
Joukamaa, 2001, Finland ⁹⁰	Mini-Finland Health Survey	1978-1994; 17	≥30	1271	functional psychoses, mood disorders, all neuroses	community-based	interview	no psychiatric disorders	RR	AC, D, NC, UC	age
Kawamura, 2007, Japan ⁹¹	Matsunoyama Suicide Prevention Project	1985-2000; 15		153	depression	community-based	diagnostic interview	no mental illness	HR	AC, D	age
Kay, 1962, Sweden ⁹²	Register of the Psychiatric Hospital, Stockholm	1931-1956; 26	≥60	154	manic depressive, late affective, early affective	inpatients	register	General population : Stockholm	SMR	AC, D	age, sex, time period

Kelly, 2006, US ⁹³	Clozapine Authorization and Monitoring Program in MD	1994-2004; 11	20-69	1686	schizophrenia, schizoaffective disorder	diagnosis and prescription for clozapine or risperidone	administrative data	General population : Maryland	SMR	NC	age, sex, race
Kilbourne, 2009, US ⁹⁴	Large Health Survey of Veteran Enrollees, VA National Psychosis Registry	1998/1999-2000/2006; 8		131121	schizophrenia, bipolar, other psychotic disorder, depression	inpatients and outpatients	administrative data	no mental disorder diagnoses	HR	NC	gender, age, race education, support, financial hardship, non-VA use, living alone, service connection
Kinder, 2008, US ⁹⁵	VA Ambulatory Care Quality Improvement Project (ACQUIP)	1997-2000; 3.5		11386	depression, PTSD	inpatients and outpatients	self-report or administrative data	no depression or PTSD	HR	AC, D	age
Kisley, 2005, Canada ⁹⁶	Medical Services Insurance Physician Services database; Discharge Abstract database; Mental Health Outpatient Information System	1995-2000; 6		221048	dementia and other organic conditions, functional psychoses, alcohol and drug disorders, mood disorders, neuroses, personality disorders, adjustment reactions, other	primary care, outpatients, inpatients	register	General population : Nova Scotia	RR	AC, D, NC, UC	age, sex
Kiviniemi, 2010, Finland ⁹⁷	PERFormance, Effectiveness, and Cost of Treatment	1995-2001; 5		7591	schizophrenia	inpatients or disability pension	register	General population : Finland	YPLL	YPLL	age, sex

	episodes (PERFECT) project										
Kjelsberg, 2000, Norway ⁹⁸	National Center for Child and Adolescent Psychiatry, Oslo	1963-1995; 33		1095	disruptive behavior disorders, personality disorders, psychotic disorders, mood disorders, anxiety disorders, substance use disorders, organic mental disorders, other	inpatients	medical records	General population : Norway	SMR	AC, NC, UC	ns
Kodesh, 2012, Israel ⁹⁹	Maccabie Health Services Organization database	2003-2009; 7		14580	schizophrenia and bipolar	inpatients and outpatients	register	General population : Israel	YPLL	YPLL	
Koranyi, 1977, Canada ¹⁰⁰	Outpatient clinic of a large teaching hospital	1972-1975; 3		2070	outpatients	outpatients	ns	General population : Canada	RR	UC	age, sex
Kurihara, 2011, Indonesia ¹⁰¹	Bangli Mental Hospital, Bali	1990-2008; 17		59	schizophrenia	inpatients	diagnostic interview	General population : Indonesia	SMR	AC, D	age
Laan, 2011, Netherlands ¹⁰²	Psychiatric Case Register Middle Netherlands	1999-2009; 11		25957	depression, anxiety	inpatients and outpatients	register	random sample of people without psychiatric disorder	HR	AC, D, NC, UC	gender, ethnic origin, average neighborhood income

Lahti, 2012, Finland ¹⁰³	Helsinki Birth Cohort Study	1969-2004; 36	≥25	204	schizophrenia	inpatients	hospital records	no schizophrenia	HR	NC	sex, year of birth, socio-economic position in childhood
Laursen, 2007, Denmark ¹⁰⁴	Danish Psychiatric Central Register	1973-2001; 28	≥15	261887	depression, bipolar, schizophrenia, schizoaffective	inpatients	register	never admitted to psychiatric hospital	RR	AC, D, NC, UC	age, sex, calendar period
Lawrence, 2000, Australia ¹⁰⁵	Western Australia Linked Register	1980-1995; 16		133105	dementia, organic psychotic conditions, schizophrenia and affective psychosis, alcohol and drug psychoses, paranoid states, other non-organic psychoses, neurotic disorders, personality disorders, sexual deviations, alcohol and drug dependence, childhood disorders, reactive disorders, mental retardation, other	inpatients and outpatients	register	General population : Western Australia	RR	AC, D, NC, UC	psychiatric diagnosis, sex, marital status, type of care received, length of inpatient treatment, aboriginality, place of birth, place of residence, socio-economic status

Lawrence , 2003, Australia ¹ ₀₆	Western Australia Linked Register	1980- 1998; 19		165699	dementia, organic psychotic conditions, schizophreni a and affective psychosis, alcohol and drug psychoses, paranoid states, other non-organic psychoses, neurotic disorders, personality disorders, sexual deviations, alcohol and drug dependence , childhood disorders, reactive disorders, mental retardation, other	inpatients and outpatients	register	General population : Western Australia	SMR	NC	age
Lawrence , 2013, Australia ¹ ₀₇	Western Australia Linked Register	1985- 2005; 21		292585	schizophreni a, affective psychosis, other psychosis, neurotic disorders, stress or adjustment reaction, depressive disorder	inpatients and outpatients	register	General population : Western Australia	YPLL	YPLL	

Leardmann, 2013, US ¹⁰⁸	Millennium Cohort Study	2001-2008; 8			depression	military personnel	self-report and rating scales	no mental illness	HR	UC	age, sex
Lemogne, 2013, France ¹⁰⁹	GAZEL study	1990-2010; 21	men : 40-50; women : 35-50	4336	depression, psychosis, schizophrenia, bipolar	employees with sickness absence	register	no mental disorders	HR	AC, D, NC, UC	age, sex
Lim, 1993, Singapore ¹¹⁰	Woodbridge Hospital, Singapore	1985-1986; 2	≥15	3984	schizophrenia, organic psychoses, affective psychoses, mental retardation, neurosis, alcoholism, personality disorder	inpatients	hospital records	General population : Singapore	SMR	AC	ns
Limosin, 2007, France ¹¹¹	Public departments of adult psychiatry	1993-2002; 10	18-64	3470	schizophrenia	inpatients and outpatients	medical records	General population : France	SMR	UC	sex
Lindelius, 1973, Sweden ¹¹²	Beckomberga Hospital	1947-1970; 24		355	schizophrenia	inpatients	hospital records	General population : Stockholm	SMR	AC, D, UC	age, decennial periods
Loas, 2011, France ¹¹³	Two psychiatric hospitals	1998-2008; 9.92		310	schizophrenia	inpatients and outpatients	diagnostic interview	not stated	SMR	AC, D	ns
Lundin, 2011, Sweden ¹¹⁴	Conscription examinations; Swedish Hospital Discharge Register	1969-2006; 38		5780	schizophrenia, affective psychosis, neurosis, personality disorder,	individuals diagnosed at conscription interview	register	conscripts with no psychiatric diagnosis at conscription	HR	UC	ns

					alcoholism, drug dependence, psychosomatic disorders, mental retardation, other disorders			on			
Manderb acka, 2012, Finland ¹¹⁵	Finnish Care Register	1998- 2009; 12		164999	psychotic disorders, mood disorders, substance use disorders	inpatients	register	no mental disorders	RR	NC	ns
Markkula, 2012, Finland ¹¹⁶	Health 2000 Study	2000- 2008; 8.33	30- 69	821	depressive disorder, anxiety disorder, alcohol use	community- based	diagnosti c interview	no mental disorders	HR	AC, D	age, sex
Martin, 1985, US ¹¹⁷	Washington University Psychiatry Clinic	1967- 1979; 12		494	depression, bipolar disorder, anxiety, schizophre nia	outpatients	diagnosti c interview	General population : Missouri	SMR	NC, UC	age, sex, race
Martin, 1985, US ¹¹⁸	Washington University Psychiatry Clinic	1967- 1979; 12		494	depression, bipolar disorder, anxiety, schizophre nia	outpatients	diagnosti c interview	General population : Missouri	SMR	AC, D	age, sex, race
Meller, 1999, Germany ¹¹⁹	Community register, Munich	1990- 1995; 4.67		441	organic mental illness, depression, depressive neuroses, depressive psychoses,	community based	diagnosti c interview	no mental disorder	RR	AC, D	age

					hypochondriasis, anxiety neuroses, obsessive compulsive neurosis, phobia, schizophrenia						
Meloni, 2006, Italy ¹²⁰	Psychiatric inpatient care units, Florence	1987-2002; 16	≥15	845	schizophrenia, affective psychoses, neurotic and personality disorders, organic psychoses, substance use disorders	inpatients	register	General population : Tuscany	SMR	AC, NC, UC	age, sex, period of death
Menezes, 1996, Brazil ¹²¹	Psychiatric register, Sao Paulo	1991-1993; 2	18-44	120	schizophrenia, paranoid psychosis, other functional psychoses	inpatients	interview	General population : Sao Paulo	SMR	AC, D	age, sex
Miller, 2006, US ¹²²	Ohio Patient Care System database	1998-2002; 5		20018	SMI	inpatients	medical records	General population : United States	SMR; YPLL	AC, NC, UC, YPLL	age
Mittendorfer-Rutz, 2012, Sweden ¹²³	Statistics Sweden, Social Insurance Agency, National Board of Health and Welfare	2005-2008; 4	16-64	75033	affective disorders, neurotic/somatoform disorders, stress-related disorders, substance use disorders,	sickness absence for psychiatric disorders	administrative data	no mental illness	HR	AC, NC, UC	age, educational level, family situation, region, country of birth

					other						
Mogga, 2006, Ethiopia ¹²⁴	Case-control study, nested in a population-based survey	1998-2002; 5.2	15-49	300	depression	community-based	interview	randomly selected with no depression	SMR	AC, D	age, sex
Morden, 2013, US ¹²⁵	VA National Psychosis Register	2000-2007; 8		65,362	schizophrenia	inpatients and outpatients	register	matched patients without serious mental illness	RR; YPLL	AC, D, NC, UC, YPLL	ns
Morgan, 2003, Ireland ¹²⁶	South Monaghan catchment area	1992-1999; 7.5		72	schizophrenia	inpatients, outpatients, community-based	diagnostic interview	General population : South Monaghan	SMR	AC, D	age, sex
Mortensen, 1990, Denmark ¹²⁷	Danish psychiatric hospitals	1957-1986; 29.25		6152	schizophrenia	inpatients	hospital records	General population : Denmark	SMR	AC, D, NC, UC	age, sex
Murphy, 1989, Canada ¹²⁸	Stirling County Study	1952-1968; 16		27	anxiety	community-based	general practitioner interviewed	General population : Stirling County	SMR	AC, D	age, sex, time
Murphy, 2010, Canada ¹²⁹	Stirling County Study	1952-1972; and 1970-1992; 20			depression	community-based	interview	no depression	HR	AC, D, NC, UC	age
Newman, 1991, Canada ¹³⁰	Alberta Mental Health Information System	1976-1985; 10		4022	affective disorders	inpatients and outpatients	medical records	General population : Alberta	SMR	AC, D, NC, UC	age, sex, year

Newman, 1991, Canada ¹³¹	Alberta Mental Health Information System	1976-1985; 10		3623	schizophrenia	inpatients and outpatients	medical records	General population : Alberta	SMR	AC, D, NC, UC	ns
Nielsen, 2013, Denmark ¹³²	Danish Psychiatric Research Register	1980-2010; 31		14,974	schizophrenia	ns	register	nationally representative sample of individuals without schizophrenia	HR; YPLL	AC, D, YPLL	ns
Nome, 2012, Norway ¹³³	Sandviken Hospital, Begen	1985-2003; 18.67	≥18	4474	psychiatric inpatients	inpatients	ns	General population : Norway	SMR; YPLL	AC, YPLL	age
Nordentoft, 2013, Denmark, Finland, Sweden ¹³⁴	Danish Psychiatric Central Register, Finnish Hospital Discharge Register, Swedish Hospital Discharge Register	2000-2006; 7		270770	schizophrenia spectrum, affective disorders, substance abuse, personality disorders	inpatients	hospital records	General population : Denmark, Finland, Sweden	SMR; YPLL	AC, D, NC (Finland only), UC (Finland only), YPLL	age, sex
Osborn, 2007, UK ¹³⁵	UK General Practice Research Database	1987-2002; 14.92	≥18	46136	schizophrenia, bipolar affective disorders, other psychotic illnesses	general practice	register	randomly selected with no psychiatric diagnoses	HR	NC	age, sex, calendar period
Osborn, 2008, UK ¹³⁶	UK General Practice Research Database	1987-2002; 14.92	≥18	46136	schizophrenia, bipolar affective disorders, other psychotic illnesses	general practice	register	randomly selected with no psychiatric diagnoses	HR	UC	sex, age, calendar period, geographical social deprivation, antidepressant prescription, smoking

Osby, 2000, Sweden ¹³ ₇	Swedish patient register, Stockholm county	1976-1995; 20		5802	schizophrenia	inpatients	register	General population : Stockholm	SMR	AC, D, NC, UC	age, calendar period
Osby, 2001, Sweden ¹³ ₈	Swedish psychiatric inpatient register	1973-1995; 23		54568	bipolar and unipolar depression	inpatients	register	General population : Sweden	SMR	AC, D, NC, UC	age, calendar period
Pandiani, 2002, US ¹³⁹	State mental health systems, Vermont and Oklahoma	1992-1998; 7	18-79	24276	severe and persistent mental illness	patients who received community-based public mental health services	received services	General population : United States	OR	AC	ns
Park, 2012, Korea ¹⁴⁰	Hospital and outpatient clinic, Seoul, Korea	1995-2006; 12	≥18	29986	organic, alcohol use, schizophrenia, affective, neurotic, personality, other psychiatric disorders	inpatients and outpatients	medical records	General population : Korea	SMR	AC, NC, UC	ns
Patten, 2011, Canada ¹⁴ ₁	National Population Health Survey	1994-2006; 12	≥18	776	major depression	community-based	interview	no mental illness	HR	AC, D	age, sex
Penninx, 1999, Netherlands ¹⁴²	Longitudinal Aging Study Amsterdam	1993-1997; 4	55-85	453	depression	community-based	diagnostic interview	no depression	RR	AC, D	age, sex
Perini, 2013, Italy ¹⁴³	South Verona Psychiatric Case Register	1982-2006; 25	≥18	9931	schizophrenia, affective, neurotic, personality, drug addiction, alcohol addiction,	inpatients and outpatients	register diagnoses	General population : Veneto region	SMR	NC	age, sex, calendar period

					other						
Phillips, 2009, US ¹⁴⁴	Vietnam Experience Study	1985-2000; 15		535	depression, anxiety	veterans	interview	no depression or anxiety	HR	AC, D, NC	age
Phillips, 2004, China ¹⁴⁵	national psychiatric epidemiology study	1995-1999; 5	≥15	102	schizophrenia	community-based	diagnostic interview	General population : China	RR	UC	sex, rural/urban
Piatt, 2010, US ¹⁴⁶	Ohio Department of Mental Health	1998-2004; 7		649	schizophrenia, schizoaffective disorder, dysthymic disorder, major depression, bipolar disorder, anxiety, personality disorders	patients who received services from county mental health system	medical records	General population : Akron, Ohio	YPLL	YPLL	
Politi, 2002, Italy ¹⁴⁷	Inpatient psychiatric unit, Pavia, Italy	1978-1999; 21		2148	organic, SUD, schizophrenia, affective, neuroses, personality, other	inpatients	hospital records	General population : Italy	SMR	AC, D	age, sex
Prior, 1996, UK ¹⁴⁸	Worcester Psychiatric Case Register	1974-1983; 10	15-89	16871	psychosis, alcoholism and drug dependence, non-psychosis	inpatients and outpatients	register	General population : England and Wales	SMR	AC, NC, UC	age, sex
Pulska, 1997, Finland ¹⁴⁹	longitudinal epidemiological project, Ahtari	1984-1990; 6	≥60	290	depression	community-based	interview	no mental illness	RR	AC, D	age, sex, marital status, education, smoking

Qin, 2011, Denmark ¹⁵⁰	Danish Psychiatric Central Register	1981-1997; 17		9316	psychiatric disorders	inpatients	register	General population : Denmark	IRR	UC	age, calendar period
Ran, 2007, China ¹⁵¹	6 townships in Xinjin County	1994-2004; 10	≥15	500	schizophrenia	community-based	diagnostic interview	General population : Xinjin County	SMR	AC, D, NC, UC	ns
Rapp, 2008, Germany ¹⁵²	Berlin Aging Study	1990-2005; 15	≥70	128	major depression	community-based	diagnostic interview	no depression	RR	AC, D	age, gender, education, dementia
Rasanen, 1998, Finland ¹⁵³	Finnish Hospital Discharge Register	1966-1993; 27		242	psychoses, personality disorders, substance use disorders	inpatients	medical records	no diagnosis	OR	UC	age
Rasanen, 2003, Finland ¹⁵⁴	Oulu University Hospital, northern Finland	1992-2000; 9		253	schizophrenia, other functional psychosis, personality disorders, mood disorders, organic mental disorders, organic psychosis	inpatients	medical records	General population : Finland	SMR	AC, NC, UC	age
Ringback Weitoft, 1998, Sweden ¹⁵⁵	Hospital Discharge Register of Stockholm County	1981-1985; 5	20-74	30045	schizophrenia, affective psychosis	inpatients	register	General population : Stockholm County	SRR	UC	age
Rorsman, 1974, Sweden ¹⁵⁶	Psychiatric Department, General Hospital, Lund	1962-1968; 7		3623	psychiatric patients	inpatients and outpatients	ns	General population : Sweden	SMR	AC	age, sex

Rorsman, 1982, Sweden ¹⁵⁷	Lundby Study	1947-1972; 25			neurosis, organic brain syndrome, schizophrenia and other psychoses	community-based	interview	General population : Sweden	RR	NC	age
Rorsman, 1982, Sweden ¹⁵⁸	Lundby Study	1947-1972; 25			affective disorder, alcoholism, neurosis, schizophrenia, organic brain syndrome, deviant behavior in childhood, no psychiatric diagnosis	community-based	interview	General population : Sweden	RR	UC	age
Ryan, 2008, France ¹⁵⁹	Three City Study	1999-2002; 4	≥65	10.20%	depression	community-based	interview	no depression	HR	AC, D	center
Saint Onge, 2014, US ¹⁶⁰	National Health Interview Survey	1999-2006; 8	≥50	5%	major depressive disorder	community-based	interview	no mental illness	HR	NC	age, race/ethnicity, gender, location of birth
Saku, 1995, Japan ¹⁶¹	National Mental Hospital, Saga, Japan	1948-1985; 38		4980	schizophrenia, mania, depression, neurosis, organic brain syndrome, alcohol or drug abuse	inpatients	hospital records	General population : Japan	SMR	AC, D, NC, UC	age
Salazar-Fraile, 1998, Spain ¹⁶²	Accumulative Psychiatric Case Register of Valencia	1986-1993; 7	≥16	2103	organic, schizophrenia and related, major affective,	inpatients and outpatients	register	Randomly selected from general population in	HR	AC, D, NC, UC	age, sex

					alcohol/other drug, neurosis and personality, other			Valencia			
Saugstad, 1979, Norway ¹⁶³	Case Register for Serious Mental Disorder	1950-1974; 25		10,413 deaths	schizophrenia, affective psychosis, other psychoses	inpatients	register	General population : Norway	SMR	AC, NC, UC	ns
Saz, 1999, Spain ¹⁶⁴	Zazagoza study	ns; 4.5	≥65	123	depression, neuroses	community based	interview	no diagnosis	OR	AC, D	sex, age, educational level, physical illness
Schneider, 2002, Germany ¹⁶⁵	Psychiatric hospital	1993-1998; 5		354	affective disorders	inpatients	interview	General population : Germany	SMR	AC, D, UC	age, sex
Segal, 2006, Australia ¹⁶⁶	Victorian Psychiatric Case Register	1990-2004; 13.5		24,973	dementia, schizophrenia, paranoia and acute psychotic disorder, major affective disorder, other	inpatients	medical records	General population : Victoria, Australia	SMR	AC	age, sex
Sharma, 1994, Scotland ¹⁶⁷	Edinburgh Psychiatric Case Register	1970-1987; 17		472	bipolar with mania	patients	register	General population : Scotland	SMR	NC, UC	ns
Sharma, 1998, UK ¹⁶⁸	Continuing Health in the Community study	ns; 5	>65	120	depression	community-based	interview	not depressed	RR	AC, D	ns
Sherman, 2013, US ¹⁶⁹	Ohio Department of Mental Health Multi-Agency Community	2004-2007; 4		14506 decedents	mental illnesses, received services through public	outpatients	administrative data	Ohio decedents without mental disorder	SMR	AC, NC, UC	age, race, sex

	Services Information System and Patient Care System				mental health system						
Shinozaki, 1976, Japan ¹⁷⁰	Mental hospitals, Kanagawa Prefecture	1968-1970; 3		1267 deaths	psychiatric inpatients	inpatient	hospital records	General population : Kanagawa Prefecture	RR; YPLL	AC, YPLL	age
Simpson, 1996, US ¹⁷¹	University of Iowa Psychiatric Hospital	1934-1979; 40		301	atypical schizophrenia	inpatient	diagnostic interview	General population : Iowa	SMR	AC, D	age, sex
Sohlman, 1999, Finland ¹⁷²	Hospital Discharge Register	1988-1992; 5		22940	dementia, schizophrenia, affective, other psychotic, neuroses, personality, alcohol and substance dependency, sexual identity, adjustment, mental retardation	inpatients	hospital records	General population : Finland	SMR	AC, NC, UC	age
Stark, 2003, UK ¹⁷³	National Health Service psychiatric hospital records	1997-1994; 18	≥15	6776	schizophrenia, affective disorder, neuroses, personality disorders, other	inpatients	register	General population : Scotland	SMR	AC, NC, UC	age, sex, calendar period
Stromberg, 2013, Sweden ¹⁷⁴	Primary care center, Stockholm	1997-2011; 14	18-75	124	depression	primary care	diagnostic interview	General population : Sweden	SMR	AC, D	age

Surtees, 2008, UK ¹⁷⁵	European Prospective Investigation into Cancer (EPIC-Norfolk)	1996-2006; 8.5	18-40	1030	major depression	community-based	structured self-assessment	no disorder	HR	NC	age, sex
Suvisaari, 2013, Finland ¹⁷⁶	Health 2000 Study	2000-2009; 10		203	schizophrenia, other nonaffective psychoses, affective psychoses	community-based	interviews; case records	nationally representative sample with no psychotic disorder	HR	AC, D	age, sex
Talasilahti, 2012, Finland ¹⁷⁷	Finnish Hospital Discharge Register	1999-2008; 10	>65	9461	schizophrenia, schizoaffective disorder	inpatient or disability pension	register	General population : Finland	SMR	AC, D, NC, UC	age, sex
Teferra, 2011, Ethiopia ¹⁷⁸	Community survey, Butajira district	1998; 5	15-49	307	schizophrenia	community-based	Interview	General population : surveillance site	SMR	AC, D	age, sex
Tenback, 2012, Netherlands ¹⁷⁹	Agis Health Insurance Company database	2006-2008; 3		7415	schizophrenia	individuals with diagnosis and at least one prescription for antipsychotics	administrative data	randomly chosen patients in database without schizophrenia	HR	AC, D	age, sex
Termorshuizen, 2013, Netherlands ¹⁸⁰	3 Dutch Psychiatric Case Registers	2000-2010; 11	18-64	12580	non-affective psychotic disorder	inpatients and outpatients	register	matched controls randomly selected from general Dutch population without NAPD	RR	AC, D, NC, UC	sex ethnic origin

Thomsen, 1996, Denmark ¹⁸¹	Danish Psychiatric Case Register	1970-1993; 25	≤15	546	neurosis, conduct disorder, pervasive development disorder, psychoses, mental retardation, eating disorder, adjustment disorder, other	inpatients	register	General population : Denmark	SMR	AC	age, sex
Thomson, 2011, England ¹⁸²	Chichester/Salisbury Catchment Area Study	1960-2009; 49		566	depression	inpatients and outpatients	diagnostic interview	General population : England and Wales	SMR	AC, D	age, sex
Thomson, 2012, England ¹⁸³	Chichester/Salisbury Catchment Area Study	1960-2009; 49		566	depression	inpatients and outpatients	diagnostic interview	General population : England and Wales	SMR	UC	age, sex
Thomson, 2014, England ¹⁸⁴	Chichester/Salisbury Catchment Area Study	1960-2009; 49		566	depression	inpatients and outpatients	diagnostic interview	General population : England and Wales	SMR	NC	age, sex
Tidemalm, 2008, Sweden ¹⁸⁵	Swedish Hospital Discharge Register	1998-2000; 3	≤18	12103	mental disorder causing long-term disability and requiring psychiatric care or support from social services	community-based sample who received psychiatric services	register	General population : Stockholm County	SMR	AC, NC, UC	age, sex, calendar period
Tiihonen, 2009, Finland ¹⁸⁶	Finnish Hospital Discharge Register	1996-2006; 11		66881	schizophrenia	inpatients	register	General population : Finland	YPLL	YPLL	

Tokuda, 2008, Japan ¹⁸⁷	Okinawa Chubu Hospital	1987-2004; 18		1108	schizophrenia	inpatients	medical records	patients without schizophrenia	SMR	AC, D	age, sex
Tran, 2009, France ¹⁸⁸	Public departments of adult psychiatry	1993-2003; 11	18-64	3470	schizophrenia	inpatients and outpatients	medical records	General population : France	SMR	AC, D, NC	age, sex
Tsuang, 1980, US ¹⁸⁹	University of Iowa Psychiatric Hospital	1934-1974; 40		525	schizophrenia, mania, depressive	inpatients	medical records	General population : Iowa	SMR	AC, D, NC, UC	age, sex
Valenti, 1997, Italy ¹⁹⁰	Psychiatric hospital, L'Aquila, Italy	1979-1993; 15		533	schizophrenia, affective disorder, mental retardation, alcoholism, other organic disorder	inpatients	hospital records	General population : Abruzzo region	SMR	AC, NC, UC	age, calendar period
van Hout, 2004, Netherlands ¹⁹¹	Longitudinal Aging Study Amsterdam	1992-2000; 8.3	55-85	112	anxiety	community-based	diagnostic interview	no anxiety	HR	AC, D	age, physical limitations, physical activity, chronic diseases, smoking, alcohol, BMI, comorbid depression
Vilalta-Franch, 2011, Spain ¹⁹²	Population-based cohort	1990; 5	≥70	107	major and minor depression	population-based	interview	no depression	HR	AC, D	age, sex marital status, education, MMSE, comorbidity, executive function
Walters, 2008, UK ¹⁹³	General Practice Research Database	1990-2002; 13	≥16	57615	panic disorder	primary care	register	random sample of people without panic disorder, matched on sex, age,	RR	NC	age, sex, deprivation, smoking, hypertension, high cholesterol, diabetes, cerebrovascular disease, comorbid

								length of time between registration and study start date			depression, comorbid SMI, number of prescribed medications
Wedegartner, 2013, Germany ¹⁹⁴	Administrative data from the Mettmann Regional Office of the AOK Rheinland	1987-1996; 10	15-74	9219	anxiety, depression	inpatients and outpatients	administrative data	no sick leave due to anxiety or depression	HR	AC, D	age, education, job classification
Weeke, 1986, Denmark ¹⁹⁵	Danish Central Psychiatric Register, Danish Central Population Register	1970-1977; 8		2168	bipolar and unipolar depression	inpatients	register	General population : Denmark	SMR	AC, D, NC, UC	ns
Westman, 2012, Finland ¹⁹⁶	Finnish Hospital Discharge Register, National Pension Register	1981-1985; 4	≥15	341630	schizophrenia, mood disorders, neurotic disorders, psychoactive substance use disorders	inpatients	register	General population : Finland	YPLL	YPLL	
Westman, 2013, Sweden ¹⁹⁷	Swedish Total Population Register, National Patient Register	1987-2006; 20		17101	bipolar disorder	inpatients	register	General population : Sweden	SMR	AC, D, NC, UC	age, gender, calendar period
Wu, 2012, UK ¹⁹⁸	SLAM Biomedical Research Centre Case	2007-2010; 3.25	≥15	9234	organic disorders, serious mental	secondary mental healthcare	register	General population : England and Wales	SMR	AC	age, sex

	Register				illness, depressive disorders						
Xue, 2012, US ¹⁹⁹	VA San Diego Medical Center	2003-2010; 7.5	>18	91	PTSD	received a routine echocardiograph	diagnostic interview	no mental illness	HR	AC, D	5 cardiac biomarkers
Zheng, 1997, US ²⁰⁰	National Health Interview Survey	1989-1991; 3	≥25	615	major depression	community-based	self-report	no depression	HR	D	age, education, marital status, BMI
Zivin, 2012, US ²⁰¹	VA Serious Mental Illness Treatment Resource and Evaluation Center data	2006-2007; 1		167069	depression	inpatients and outpatients	medical records	no mental illness	YPLL	YPLL	
Zohar, 2014, Israel ²⁰²	Rehabilitation Division of the Israeli Ministry of Defense or Israeli Defense Forces special unit for treatment of combat stress	1957-2002; 45	≥21	2457	PTSD	veterans	medical record; reevaluation based on DSM criteria	no mental illness	HR	AC, D	ns
Zubenko, 1997, US ²⁰³	Geriatric Clinical Research Unit of Western Psychiatric Institute and Clinic	1989-1995; 5.75		410	mood disorders, psychotic disorders	inpatients	rating scales; clinical, historical, and lab information; consensus conferences	General population : Pennsylvania	SMR	AC, D	age, gender, race

Abbreviations: AC = all-cause mortality; BMI = body mass index; CES-D = Centers for Epidemiology Studies Depression Scale; D = diagnosis-specific; HR = hazard ratio; MA = Massachusetts; NC = natural cause mortality; PTSD = post-traumatic stress disorder; OR = odds ratio; RR = rate ratio; SMI = serious mental illness; SMR = standardized mortality ratio; UC = unnatural cause mortality; UK = United Kingdom; US = United States; YPLL = years of potential life lost

eTable 3. Studies Used in Each Analysis

Analysis	Number of studies	References
All-cause meta-analyses	148	1,2,4-8,10-14,20-28,30-32,34-36,39,40,43-45,47-56,58,60,62,64-75,79-85,87-92,95,96,98,101,102,104,105,109,110,112,113,116,118-134,137-142,144,147-149,151,152,154,156,159,161-166,168-174,176-182,185,187-192,194,195,197-199,202,203
Diagnostic all-cause meta-analyses	Psychoses: 65	1,2,5,8,13,14,23,24,32,34,35,40,43,44,47,48,51,53,54,56,60,61,64-66,68,70,72-75,79,80,82,83,90,96,101,104,105,112,113,118,121,125-127,131,132,134,137,147,151,161,162,171,176-180,187-189,203
	Mood Disorders: 16	8,13,14,22,34,54,64,66,70,82,85,90,130,134,147,203
	Depression: 43	1,6,11,20,21,26-28,32,35,55,61,62,81,88,91,95,96,102,104,105,109,116,118,119,124,129,138,141,142,144,149,152,159,164,165,168,174,182,189,192,194,200
	Bipolar Disorder: 19	1,6,32,35,39,44,52,61,65,79,80,92,104,118,138,165,189,195,197
	Anxiety: 29	1,4,8,13,14,23,30,35,55,61,64,71,81,90,95,96,102,105,116,118,128,144,147,162,164,191,194,199,202
Natural causes meta-analyses	100	1-3,5-8,11-13,16,17,19,20,22-26,29,30,34,39,40,43-45,49,52-54,56,60,64-67,69-73,75,77,79,82-85,90,93,94,96,98,102-106,109,115,117,120,122,123,125,127,129-131,134,135,137,138,140,143,144,148,151,154,157,160-163,167,169,172,173,175,177,180,184,185,188-190,193,195,197
Unnatural meta-analyses	106	1-13,15,18,20-26,34,37-45,48,49,52-54,57,60,63-66,69,70,72,73,76,78,79,82-86,89,90,96,98,100,102,104,105,108,109,111,112,114,117,120,122,123,125,127,129-131,134,136-138,140,145,148,150,151,153-155,158,161-163,165,167,169,172,173,177,180,183,185,189,190,195,197
Proportion of deaths due to natural or unnatural causes	57	1,2,4-8,11,12,20,22-24,26,34,39,40,45,49,52-54,64,65,69,70,73,79,82-85,98,102,109,120,122,123,125,127,130,131,138,140,148,151,154,161,172,173,177,180,185,189,190,195,197
Years of potential life lost	24	1,33,36,39,40,46,48,50,59,72,77,97,99,107,122,125,132-134,146,170,186,196,201

eTable 4. Studies That Included Years of Potential Life Lost

First author, Year	Mental disorder diagnoses; Population of people with mental disorders	Measurement of YPLL	Number of deaths among people with mental disorders	Cause of death	Population with mental disorders	Comparison population	YPLL
Ajetunmobi, 2013 ¹	Mental disorders; inpatients	Total YLL: Number of deaths in cohort multiplied by corresponding life expectancy at that age Mean YPLL: divided total YLL by actual number of deaths	34243	AC			17
			22865	NC			13.3
			3909	UC			31.8
Chang, 2011 ³³	SMI, depressive disorders; patients in secondary mental health care	Life expectancy at birth for people with mental disorders compared to the UK population	1066	AC	69.3 ^a	79.5 ^a	10.2 ^a
Colton, 2006 ³⁶	SMI; public mental health clients	Calculated mean YPLL for 7 states per year for 1-4 years per state Mean YPLL: For each client, calculated the difference between age of death and current life expectancy age in the US for living cohorts of same age and sex. Added YPLL for all clients who died/total # deceased clients		AC			25.5 ^a
Crump, 2013 ³⁹	Bipolar disorder; inpatients or outpatients	Difference in mean age of death for people with and without bipolar disorder	1076	AC	71.5 ^a	79.9 ^a	8.8 ^a
			924	NC	73.7 ^a	80.4 ^a	7.1 ^a
Crump, 2013 ⁴⁰	Schizophrenia; inpatients or outpatients	Difference in mean age of death for people with and without schizophrenia	1121	AC	66.3 ^a	80. ^a	13.6 ^a
			967	NC	68.5 ^a	80.4 ^a	11.8 ^a
Dembling, 1999 ⁴⁶	SMI; patients in state mental health system	Weighted mean YPLL for people with and without mental illness were calculated by taking the difference between the age of	2214	AC			9.0 ^a
			1844	NC			7.3 ^a
			370	UC			8.4 ^a

		death and current life expectancy in the US					
Dickey, 2004 ⁴⁸	Mental illness and/or substance use; Medicaid enrollees	Mean YPLL for people with mental disorders and general MA population - Difference between age of death and current life expectancy in MA	977	AC	34	29	5
Druss, 2011 ⁵⁰	Mental disorders; community-based sample	1. Difference in average age of death 2. Difference in years lost	463	AC	Age of death: 66.2 YPLL: 11.3	Age of death: 74.4 YPLL: 5.9	Difference in age of death: 8.2 Difference in YPLL: 5.4
Fok, 2012 ⁵⁹	Personality disorders; secondary mental healthcare	Life expectancy at birth for people with personality disorders and the general population in England and Wales	1836	AC	61.6 ^a	79.5 ^a	18.2 ^a
Healy, 2012 ⁷²	Psychoses (contemporary cohort); inpatients	Years of life lost – method not specified	33	AC			4.8 ^a
Healy, 2012 ⁷²	Psychoses (historical cohort); inpatients	Difference between age of death and life expectancy <ul style="list-style-type: none"> For patients admitted up to age 44: life expectancy was 62 years for men and 65 years for women For patients admitted at age 45 or older: life expectancy was 68 years for men and 71 years for women 	266	AC			9.8 ^b
Hiroeh, 2008 ⁷⁷	Schizophrenia, affective psychoses, non-affective psychoses, neuroses; inpatients	Calculated total YPLL: Mean age of death compared to 75 years Mean YPLL: total YPLL/total deaths	29981	NC			7.39 ^a
Kivineimi, 2010 ⁹⁷	Schizophrenia; inpatients or individuals on disability pension	Calculated the potential years of life lost as a standardized rate per 100,000 population	403	AC			52.54 YLL per 100,000
			191	NC			16.72 per 100,000
			212	UC			33.95 per 100,000

Kodesh, 2012 ⁹⁹	Schizophrenia and bipolar disorder; inpatients and outpatients	Difference in life expectancy at age 20 between people with mental disorders and the general population		AC	73 ^a	83.5 ^a	10.5 ^a
Lawrence, 2013 ¹⁰⁶	Psychiatric patents; inpatients or outpatients	Life expectancy at birth for psychiatric patients compared to the total Western Australia population		NC	67.5 ^a	81.5 ^a	14.0 ^a
Miller, 2006 ¹²²	SMI; inpatients	Age of death compared to US life expectancy in year of death	478	AC	46.4		32
			245	NC	54.5 ^a		26.3 ^a
			201	UC	36.4 ^a		41.2 ^a
Morden, 2013 ¹²⁵	Schizophrenia; VA inpatients or outpatients	YPLL calculated for each decedent (VA with and without schizophrenia) using current US life expectancy: (age of death – life expectancy for cohorts of same age and sex) Mean YPLL: sum of YPLL/number of decedents	1369	AC	15.4 ^c	14 ^c	1.4 ^c
Nielsen, 2013 ¹³²	Schizophrenia; not stated	Average difference in age of death between schizophrenia population and general Danish population	14974	AC	62.2	73.4	11.2
Nome, 2012 ¹³³	Psychiatric inpatients	Median age of death for patients compared to life expectancy of general Norwegian population in 2003	796	AC	70.2 ^a	79.5 ^a	9.3 ^a
Nordentoft, 2013 ¹³⁴	Schizophrenia, affective disorders; inpatients	Life expectancy at age 15 for people with mental disorders and general population	15512	AC	64.8 ^a	79.2 ^a	14.4 ^a
Piatt, 2010 ¹⁴⁶	SMI; patients in county mental health system	YPLL calculated for each case compared to US life expectancy in year of death Mean YPLL calculated for people with and without SMI	649	AC	12.1	9.7	2.4
				NC	12.51 ^a	9.48 ^a	3.01 ^a
				UC	22.95 ^a	11.55 ^a	11.4 ^a
Shinozaki, 1976 ¹⁷⁰	Inpatients	Age-specific mean age of death of hospital patients	1267	AC	60.0 ^a	63.7 ^a	3.7 ^a

		compared to the prefecture population					
Tiihonen, 2009 ¹⁸⁶	Schizophrenia; inpatients	Difference in life expectancy at age 20 for the general population and people with schizophrenia	19734	AC	37.4 ^d	59.9 ^d	22.5 ^d
Westman, 2013 ¹⁹⁷	Mental disorders; inpatients	Life expectancies (at age 15 years + 15 years) were calculated for people with mental disorders and the general population		AC	64.9 ^{a,e}	78.7 ^{a,e}	13.8 ^{a,e}
Zivin, 2012 ²⁰¹	Depression; inpatients or outpatients in VA system	Life expectancy was calculated for the midpoint of each age group YPLL = age group midpoint + life expectancy – age of death		AC	Mean age of death: 71.1 YPLL: 13.4	Mean age of death: 75.9 YPLL: 10.2	Difference in mean age of death: 4.8 Difference in YPLL: 3.2
				NC	M: 71.7 YPLL: 12.9 ^a	M: 75.7 YPLL: 10.4 ^a	M: 4 YPLL: 2.5 ^a
				UC	M: 56.3 YPLL: 23.6 ^a	M: 63.8 YPLL: 18.5 ^a	M: 7.5 YPLL: 5.1 ^a

^a Calculated from data in the paper.

^b Among patients in the confirmed death group

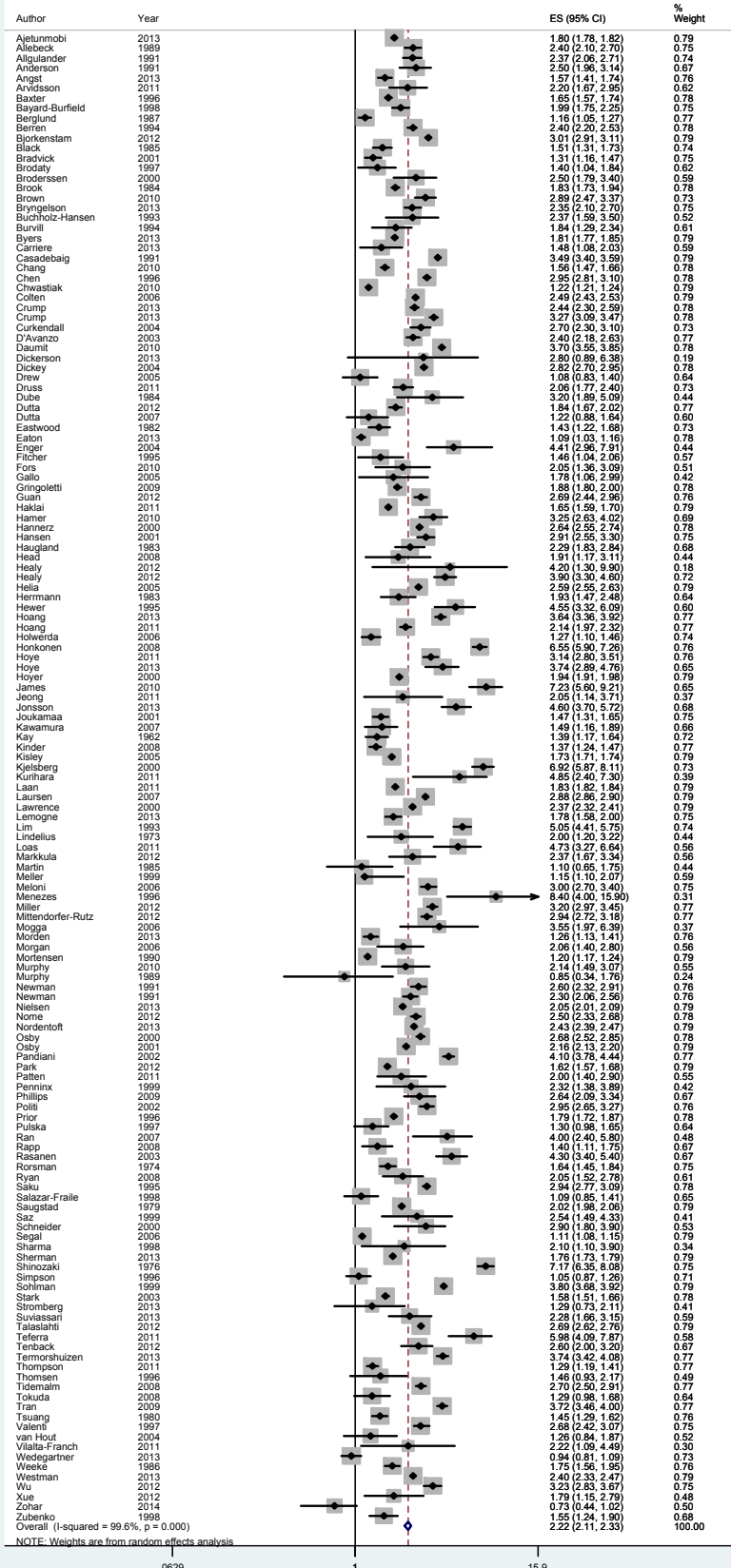
^c 2007 estimates

^d 2006 estimates

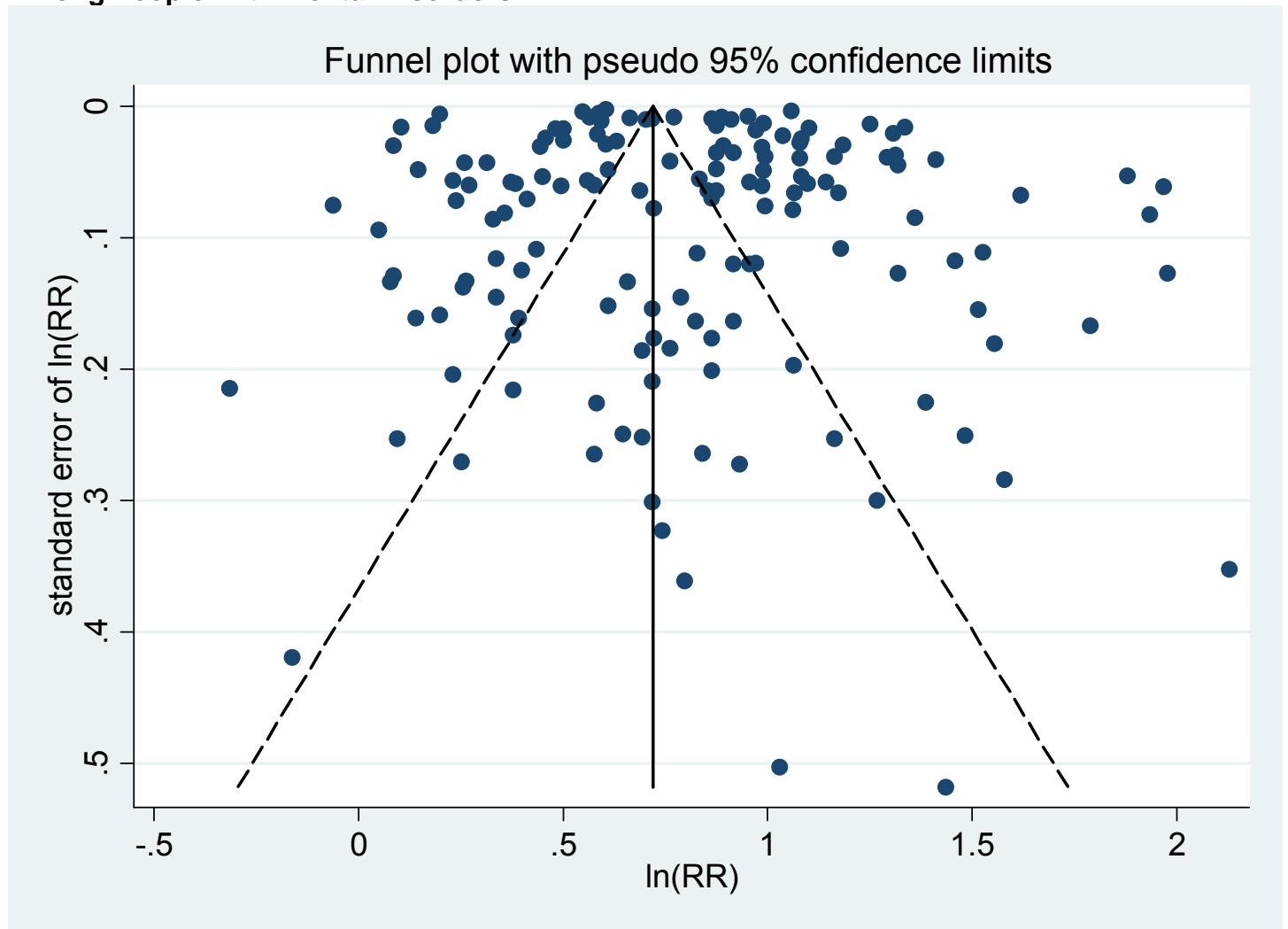
^e 2001-2003 estimates

Abbreviations: AC = all-cause mortality; M = mean; NC = natural causes; SMI = serious mental illness; UC = unnatural causes; UK = United Kingdom; US = United States; VA = Veteran's Affairs; YPLL = years of potential life lost

eFigure 1. Forest Plot of Relative Risks for All-Cause Mortality Among People With Mental Disorders



eFigure 2. Funnel Plot of 149 Estimates Included in the Meta-analysis of All-Cause Mortality Among People With Mental Disorders



eReferences

1. Ajetunmobi O, Taylor M, Stockton D, Wood R. Early death in those previously hospitalised for mental healthcare in Scotland: A nationwide cohort study, 1986-2010. *BMJ Open*. 2013;3(7).
2. Allebeck P. Schizophrenia: A life-shortening disease. *Schizophr Bull*. 1989;15(1):81-89.
3. Allgulander C, Lavori PW. Excess mortality among 3302 patients with pure anxiety neurosis. *Arch Gen Psychiatry*. 1991;48(7):599-602.
4. Allgulander C. Suicide and mortality patterns in anxiety neurosis and depressive neurosis. *Arch Gen Psychiatry*. 1994;51(9):708-712.
5. Anderson C, Connelly J, Johnstone EC, Owens DG. Disabilities and circumstances of schizophrenic patients--a follow-up study. Cause of death. *Br J Psychiatry Suppl*. 1991(13):30-33, 44-36.
6. Angst J, Hengartner MP, Gamma A, Von Zerssen D, Angst F. Mortality of 403 patients with mood disorders 48 to 52 years after their psychiatric hospitalisation. *Eur Arch Psychiatry Clin Neurosci*. 2013;263(5):425-434.
7. Arvidsson H. Recovered or dead? A Swedish study of 321 persons surveyed as severely mentally ill in 1995/96 but not so ten years later. *Epidemiol and Psychiatric Sci*. 2011;20(1):55-63.
8. Baxter DN. The mortality experience of individuals on the Salford Psychiatric Case Register. I. All-cause mortality. *Br J Psychiatry*. 1996;168(6):772-779.
9. Baxter D, Appleby L. Case register study of suicide risk in mental disorders. *Br J Psychiatry*. 1999;175:322-326.
10. Bayard-Burfield L, Sundquist J, Johansson SE. Self-reported long-standing psychiatric illness as a predictor of premature all-cause mortality and violent death: A 14-year follow-up study of native Swedes and foreign-born migrants. *Soc Psychiatry Psychiatr Epidemiol*. 1998;33(10):491-496.
11. Berglund M, Nilsson K. Mortality in severe depression. A prospective study including 103 suicides. *Acta Psychiatr Scand*. 1987;76(4):372-380.
12. Berren MR, Hill KR, Merikle E, Gonzalez N, Santiago J. Serious mental illness and mortality rates. *Hosp Community Psychiatry*. 1994;45(6):604-605.
13. Bjorkenstam E, Ljung R, Burstrom B, Mittendorfer-Rutz E, Hallqvist J, Weitoft GR. Quality of medical care and excess mortality in psychiatric patients-a nationwide register-based study in Sweden. *BMJ Open*. 2012;2(1).
14. Black DW, Warrack G, Winokur G. The iowa record-linkage study. Iii. Excess mortality among patients with 'functional' disorders. *Arch Gen Psychiatry*. 1985;42(1):82-88.
15. Black DW, Warrack G, Winokur G. The iowa record-linkage study. I. Suicides and accidental deaths among psychiatric patients. *Arch Gen Psychiatry*. 1985;42(1):71-75.
16. Black DW, Winokur G, Nasrallah A. Is death from natural causes still excessive in psychiatric patients? A follow-up of 1593 patients with major affective disorder. *J Nerv Ment Dis*. 1987;175(11):674-680.
17. Black DW, Fisher R. Mortality in DSM-III-R schizophrenia. *Schizophr Res*. 1992;7(2):109-116.
18. Bohnert AS, Ilgen MA, Ignacio RV, McCarthy JF, Valenstein M, Blow FC. Risk of death from accidental overdose associated with psychiatric and substance use disorders. *Am J Psychiatry*. 2012;169(1):64-70.
19. Boscarino JA. A prospective study of PTSD and early-age heart disease mortality among Vietnam veterans: Implications for surveillance and prevention. *Psychosom Med*. 2008;70(6):668-676.
20. Bradvik L, Berglund M. Late mortality in severe depression. *Acta Psychiatr Scand*. 2001;103(2):111-116.
21. Brodaty H, MacCuspie-Moore CM, Tickle L, Luscombe G. Depression, diagnostic sub-type and death: A 25 year follow-up study. *J Affect Disord*. 1997;46(3):233-242.
22. Brodersen A, Licht RW, Vestergaard P, Olesen AV, Mortensen PB. Sixteen-year mortality in patients with affective disorder commenced on lithium. *Br J Psychiatry*. 2000;176:429-433.
23. Brook OH. Mortality in the long-stay population of Dutch mental hospitals. *Acta Psychiatr Scand*. 1985;71(6):626-635.
24. Brown S, Kim M, Mitchell C, Inskip H. Twenty-five year mortality of a community cohort with schizophrenia. *Br J Psychiatry*. 2010;196(2):116-121.
25. Bryngelson A, Asberg M, Nygren A, Jensen I, Mittendorfer-Rutz E. All-cause and cause-specific mortality after long-term sickness absence for psychiatric disorders: A prospective cohort study. *PLoS One*. 2013;8(6).
26. Buchholtz-Hansen PE, Wang AG, Kragh-Sørensen P. Mortality in major affective disorder: Relationship to subtype of depression. *Acta Psychiatr Scand*. 1993;87(5):329-335.
27. Burvill PW, Hall WD. Predictors of increased mortality in elderly depressed patients. *Int J Geriatr Psychiatry*. 1994;9(3):219-227.
28. Byers AL, Covinsky KE, Barnes DE, Yaffe K. Dysthymia and depression increase risk of dementia and mortality among older veterans. *Am J Geriatr Psychiatry*. 2012;20(8):664-672.
29. Callaghan RC, Veldhuizen S, Jeysingh T, et al. Patterns of tobacco-related mortality among individuals diagnosed with schizophrenia, bipolar disorder, or depression. *J Psychiatr Res*. 2014;48(1):102-110.

30. Carriere I, Ryan J, Norton J, et al. Anxiety and mortality risk in community-dwelling elderly people. *Br J Psychiatry*. 2013;203:303-309.
31. Casadebaig F, Quemada N. Changes in mortality among psychiatric inpatients, 1968-1982. *Soc Psychiatry Psychiatr Epidemiol*. 1991;26(2):78-82.
32. Chang CK, Hayes RD, Broadbent M, et al. All-cause mortality among people with serious mental illness (SMI), substance use disorders, and depressive disorders in southeast London: A cohort study. *BMC Psychiatry*. 2010;10:77.
33. Chang CK, Hayes RD, Perera G, et al. Life expectancy at birth for people with serious mental illness and other major disorders from a secondary mental health care case register in London. *PLoS One*. 2011;6(5).
34. Chen WJ, Huang YJ, Yeh LL, Rin H, Hwu HG. Excess mortality of psychiatric inpatients in Taiwan. *Psychiatry Res*. 1996;62(3):239-250.
35. Chwastiak LA, Rosenheck RA, Desai R, Kazis LE. Association of psychiatric illness and all-cause mortality in the national department of Veterans Affairs health care system. *Psychosom Med*. 2010;72(8):817-822.
36. Colton CW, Manderscheid RW. Congruencies in increased mortality rates, years of potential life lost, and causes of death among public mental health clients in eight states. *Prev Chronic Dis*. 2006;3(2):A42.
37. Conner KR, McCarthy MD, Bajorska A, Caine ED, Tu XM, Knox KL. Mood, anxiety, and substance-use disorders and suicide risk in a military population cohort. *Suicide Life Threat Behav*. 2012;42(6):699-708.
38. Conner KR, Bohnert AS, McCarthy JF, et al. Mental disorder comorbidity and suicide among 2.96 million men receiving care in the Veterans Health Administration health system. *J Abnorm Psychol*. 2013;122(1):256-263.
39. Crump C, Sundquist K, Winkleby MA, Sundquist J. Comorbidities and mortality in bipolar disorder: A Swedish national cohort study. *JAMA Psychiatry*. 2013;70(9):931-939.
40. Crump C, Winkleby MA, Sundquist K, Sundquist J. Comorbidities and mortality in persons with schizophrenia: A Swedish national cohort study. *Am J Psychiatry*. 2013;170(3):324-333.
41. Crump C, Sundquist K, Winkleby MA, Sundquist J. Mental disorders and risk of accidental death. *Br J Psychiatry*. 2013;203(4):297-302.
42. Crump C, Sundquist K, Winkleby MA, Sundquist J. Mental disorders and vulnerability to homicidal death: Swedish nationwide cohort study. *BMJ*. 2013;346:f557.
43. Curkendall SM, Mo J, Glasser DB, Stang MR, Jones JK. Cardiovascular disease in patients with schizophrenia in Saskatchewan, Canada. *J Clin Psychiatry*. 2004;65(5):715-720.
44. Daumit GL, Anthony CB, Ford DE, et al. Pattern of mortality in a sample of Maryland residents with severe mental illness. *Psychiatry Res*. 2010;176(2-3):242-245.
45. D'Avanzo B, La Vecchia C, Negri E. Mortality in long-stay patients from psychiatric hospitals in Italy--results from the Qualyop project. *Soc Psychiatry Psychiatr Epidemiol*. 2003;38(7):385-389.
46. Dembling BP, Chen DT, Vachon L. Life expectancy and causes of death in a population treated for serious mental illness. *Psychiatr Serv*. 1999;50(8):1036-1042.
47. Dickerson F, Stallings C, Origoni A, Schroeder J, Khushalani S, Yolken R. Mortality in schizophrenia: Clinical and serological predictors. *Schizophr Bull*. 2013.
48. Dickey B, Dembling B, Azeni H, Normand SL. Externally caused deaths for adults with substance use and mental disorders. *J Beh Health Serv Res*. 2004;31(1):75-85.
49. Drew LR. Mortality and mental illness. *Aust N Z J Psychiatry*. 2005;39(3):194-197.
50. Druss BG, Zhao L, Von Esenwein S, Morrato EH, Marcus SC. Understanding excess mortality in persons with mental illness: 17-year follow up of a nationally representative US survey. *Med Care*. 2011;49(6):599-604.
51. Dube KC, Kumar N, Dube S. Long term course and outcome of the Agra cases in the International Pilot Study of Schizophrenia. *Acta Psychiatr Scand*. 1984;70(2):170-179.
52. Dutta R, Boydell J, Kennedy N, J VANO, Fearon P, Murray RM. Suicide and other causes of mortality in bipolar disorder: A longitudinal study. *Psychol Med*. 2007;37(6):839-847.
53. Dutta R, Murray RM, Allardyce J, Jones PB, Boydell JE. Mortality in first-contact psychosis patients in the U.K.: A cohort study. *Psychol Med*. 2012;42(8):1649-1661.
54. Eastwood MR, Stiasny S, Meier HMR, Woogh CM. Mental illness and mortality. *Compr Psychiatry*. 1982;23(4):377-385.
55. Eaton WW, Roth KB, Bruce M, et al. The relationship of mental and behavioral disorders to all-cause mortality in a 27-year follow-up of 4 Epidemiologic Catchment Area samples. *Amer J Epidemiol*. 2013;178(9):1366-1377.
56. Enger C, Weatherby L, Reynolds RF, Glasser DB, Walker AM. Serious cardiovascular events and mortality among patients with schizophrenia. *J Nerv Ment Dis*. 2004;192(1):19-27.
57. Erlangsen A, Eaton WW, Mortensen PB, Conwell Y. Schizophrenia--a predictor of suicide during the second half of life? *Schizophr Res*. 2012;134(2-3):111-117.
58. Fichter MM, Rehm J, Elton M, Dilling H, Achatz F. Mortality risk and mental disorders: Longitudinal results from the Upper Bavarian Study. *Psychol Med*. 1995;25(2):297-307.

59. Fok ML-Y, Hayes RD, Chang C-K, Stewart R, Callard FJ, Moran P. Life expectancy at birth and all-cause mortality among people with personality disorder. *J Psychosom Res.* 2012;73(2):104-107.
60. Fors BM, Isacson D, Binglefors K, Widerloov B. Mortality among persons with schizophrenia in Sweden: An epidemiological study. *Nord J Psychiatry.* 2007;61(4):252-259.
61. Gale CR, Batty GD, Osborn DP, Tynelius P, Whitley E, Rasmussen F. Association of mental disorders in early adulthood and later psychiatric hospital admissions and mortality in a cohort study of more than 1 million men. *Arch Gen Psychiatry.* 2012;69(8):823-831.
62. Gallo JJ, Bogner HR, Morales KH, Post EP, Ten Have T, Bruce ML. Depression, cardiovascular disease, diabetes, and two-year mortality among older, primary-care patients. *Am J Geriatr Psychiatry.* 2005;13(9):748-755.
63. Goldacre M, Seagroatt V, Hawton K. Suicide after discharge from psychiatric inpatient care. *Lancet.* 1993;342(8866):283-286.
64. Grigoletti L, Perini G, Rossi A, et al. Mortality and cause of death among psychiatric patients: A 20-year case-register study in an area with a community-based system of care. *Psychol Med.* 2009;39(11):1875-1884.
65. Guan NC, Termorshuizen F, Laan W, et al. Cancer mortality in patients with psychiatric diagnoses: A higher hazard of cancer death does not lead to a higher cumulative risk of dying from cancer. *Soc Psychiatry Psychiatr Epidemiol.* 2013;48(8):1289-1295.
66. Haklai Z, Goldberger N, Stein N, Pugachova I, Levav I. The mortality risk among persons with psychiatric hospitalizations. *Isr J Psychiatry Relat Sci.* 2011;48(4):230-239.
67. Hamer M, Stamatakis E, Steptoe A. Psychiatric hospital admissions, behavioral risk factors, and all-cause mortality: The Scottish Health Survey. *Arch Intern Med.* 2008;168(22):2474-2479.
68. Hannerz H, Borga P. Mortality among persons with a history as psychiatric inpatients with functional psychosis. *Soc Psychiatry Psychiatr Epidemiol.* 2000;35(8):380-387.
69. Hansen V, Jacobsen BK, Arnesen E. Cause-specific mortality in psychiatric patients after deinstitutionalisation. *Br J Psychiatry.* 2001;179:438-443.
70. Haugland G, Craig TJ, Goodman AB, Siegel C. Mortality in the era of deinstitutionalization. *Am J Psychiat.* 1983;140(7):848-852.
71. Head J, Ferrie JE, Alexanderson K, Westerlund H, Vahtera J, Kivimaki M. Diagnosis-specific sickness absence as a predictor of mortality: The Whitehall II prospective cohort study. *BMJ.* 2008;337(7674).
72. Healy D, Le Noury J, Harris M, et al. Mortality in schizophrenia and related psychoses: Data from two cohorts, 1875-1924 and 1994-2010. *BMJ Open.* 2012;2(5).
73. Heilä H, Haukka J, Suvisaari J, Lönnqvist J. Mortality among patients with schizophrenia and reduced psychiatric hospital care. *Psychol Med.* 2005;35(5):725-732.
74. Herrman HE, Baldwin JA, Christie D. A record-linkage study of mortality and general hospital discharge in patients diagnosed as schizophrenic. *Psychol Med.* 1983;13(3):581-593.
75. Hewer W, Rossler W, Fatkenheuer B, Löffler W. Mortality among patients in psychiatric hospitals in Germany. *Acta Psychiatr Scand.* 1995;91(3):174-179.
76. Hiroeh U, Appleby L, Mortensen PB, Dunn G. Death by homicide, suicide, and other unnatural causes in people with mental illness: A population-based study. *Lancet.* 2001;358(9299):2110-2112.
77. Hiroeh U, Kapur N, Webb R, Dunn G, Mortensen PB, Appleby L. Deaths from natural causes in people with mental illness: A cohort study. *J Psychosom Res.* 2008;64(3):275-283.
78. Ho TP. The suicide risk of discharged psychiatric patients. *J Clin Psychiatry.* 2003;64(6):702-707.
79. Hoang U, Stewart R, Goldacre MJ. Mortality after hospital discharge for people with schizophrenia or bipolar disorder: Retrospective study of linked English hospital episode statistics, 1999-2006. *BMJ.* 2011;343:d5422.
80. Hoang U, Goldacre MJ, Stewart R. Avoidable mortality in people with schizophrenia or bipolar disorder in England. *Acta Psychiatr Scand.* 2013;127(3):195-201.
81. Holwerda TJ, Schoevers RA, Dekker J, Deeg DJH, Jonker C, Beekman ATF. The relationship between generalized anxiety disorder, depression and mortality in old age. *Int J Geriatr Psychiatry.* 2007;22(3):241-249.
82. Honkonen H, Mattila AK, Lehtinen K, Elo T, Haataja R, Joukamaa M. Mortality of Finnish acute psychiatric hospital patients. *Soc Psychiatry Psychiatr Epidemiol.* 2008;43(8):660-666.
83. Høy A, Jacobsen BK, Hansen V. Increasing mortality in schizophrenia: Are women at particular risk? A follow-up of 1111 patients admitted during 1980-2006 in Northern Norway. *Schizophr Res.* 2011;132(2-3):228-232.
84. Høy A, Jacobsen BK, Hansen V. Sex differences in mortality of admitted patients with personality disorders in North Norway - a prospective register study. *BMC Psychiatry.* 2013;13.
85. Hoyer EH, Mortensen PB, Olesen AV. Mortality and causes of death in a total national sample of patients with affective disorders admitted for the first time between 1973 and 1993. *Br J Psychiatry.* 2000;176:76-82.
86. Ilgen MA, McCarthy JF, Ignacio RV, et al. Psychopathology, Iraq and Afghanistan service, and suicide among Veterans Health Administration patients. *J Consult Clin Psychol.* 2012;80(3):323-330.

87. James A, Clacey J, Seagroatt V, Goldacre M. Adolescent inpatient psychiatric admission rates and subsequent one-year mortality in England: 1998-2004. *J Child Psychol Psychiatry*. 2010;51(12):1395-1404.
88. Jeong HG, Lee JJ, Lee SB, et al. Role of severity and gender in the association between late-life depression and all-cause mortality. *Int Psychogeriatr*. 2013;25(4):677-684.
89. Jonsson U, Alexanderson K, Kjeldgard L, Westerlund H, Mittendorfer-Rutz E. Diagnosis-specific disability pension predicts suicidal behaviour and mortality in young adults: A nationwide prospective cohort study. *BMJ Open*. 2013;3(2).
90. Joukamaa M, Heliovaara M, Knekt P, Aromaa A, Raitasalo R, Lehtinen V. Mental disorders and cause-specific mortality. *Br J Psychiatry*. 2001;179:498-502.
91. Kawamura TL, Shioiri T, Takahashi K, Ozdemir V, Someya T. Survival rate and causes of mortality in the elderly with depression: A 15-year prospective study of a Japanese community sample, the Matsunoyama-Niigata suicide prevention project. *J Investig Med*. 2007;55(3):106-114.
92. Kay DWK. Outcomes and cause of death in mental disorders of old age: A long-term follow-up of functional and organic psychoses. *Acta Psychiatr Scand*. 1962;38:249-276.
93. Kelly DL, McMahon RP, Liu F, et al. Cardiovascular disease mortality in patients with chronic schizophrenia treated with clozapine: A retrospective cohort study. *J Clin Psychiatry*. 2010;71(3):304-311.
94. Kilbourne AM, Morden NE, Austin K, et al. Excess heart-disease-related mortality in a national study of patients with mental disorders: Identifying modifiable risk factors. *Gen Hosp Psychiatry*. 2009;31(6):555-563.
95. Kinder LS, Bradley KA, Katon WJ, Ludman E, McDonell MB, Bryson CL. Depression, posttraumatic stress disorder, and mortality. *Psychosom Med*. 2008;70(1):20-26.
96. Kisely S, Smith M, Lawrence D, Maaten S. Mortality in individuals who have had psychiatric treatment: Population-based study in Nova Scotia. *Br J Psychiatry*. 2005;187:552-558.
97. Kiviniemi M, Suvisaari J, Pirkola S, Hakkinen U, Isohanni M, Hakko H. Regional differences in five-year mortality after a first episode of schizophrenia in Finland. *Psychiatr Serv*. 2010;61(3):272-279.
98. Kjelsberg E. Adolescent psychiatric in-patients - a high-risk group for premature death. *Br J Psychiatry*. 2000;176:121-125.
99. Kodesh A, Goldshtein I, Gelkopf M, Goren I, Chodick G, Shalev V. Epidemiology and comorbidity of severe mental illnesses in the community: Findings from a computerized mental health registry in a large Israeli health organization. *Soc Psychiatry Psychiatr Epidemiol*. 2012;47(11):1775-1782.
100. Koranyi EK. Fatalities in 2,070 psychiatric outpatients. *Arch Gen Psychiatry*. 1977;34(10):1137-1142.
101. Kurihara T, Kato M, Reverger R, Tirta IGR. Seventeen-year clinical outcome of schizophrenia in Bali. *Eur Psychiatry*. 2011;26(5):333-338.
102. Laan W, Termorshuizen F, Smeets HM, Boks MPM, de Wit NJ, Geerlings MI. A comorbid anxiety disorder does not result in an excess risk of death among patients with a depressive disorder. *J Affect Disord*. 2011;135(1-3):284-291.
103. Lahti M, Tiihonen J, Wildgust H, et al. Cardiovascular morbidity, mortality and pharmacotherapy in patients with schizophrenia. *Psychol Med*. 2012;42(11):2275-2285.
104. Laursen TM, Munk-Olsen T, Nordentoft M, Mortensen PB. Increased mortality among patients admitted with major psychiatric disorders: A register-based study comparing mortality in unipolar depressive disorder, bipolar affective disorder, schizoaffective disorder, and schizophrenia. *J Clin Psychiatry*. 2007;68(6):899-907.
105. Lawrence D, Jablensky AV, Holman CD, Pinder TJ. Mortality in Western Australian psychiatric patients. *Soc Psychiatry Psychiatr Epidemiol*. 2000;35(8):341-347.
106. Lawrence DM, Holman CD, Jablensky AV, Hobbs MS. Death rate from ischaemic heart disease in Western Australian psychiatric patients 1980-1998. *Br J Psychiatry*. 2003;182:31-36.
107. Lawrence D, Hancock KJ, Kisely S. The gap in life expectancy from preventable physical illness in psychiatric patients in Western Australia: Retrospective analysis of population based registers. *BMJ*. 2013;346:f2539.
108. LeardMann CA, Powell TM, Smith TC, et al. Risk factors associated with suicide in current and former US military personnel. *JAMA*. 2013;310(5):496-506.
109. Lemogne C, Niedhammer I, Khlaf M, et al. Gender differences in the association between depressive mood and mortality: A 12-year follow-up population-based study. *J Affect Disord*. 2012;136(3):267-275.
110. Lim LCC, Sim LP, Chiam PC. Mortality of public mental-health patients - a Singapore experience. *Aust N Z J Psychiatry*. 1993;27(1):36-41.
111. Limosin F, Loze JY, Philippe A, Casadebaig F, Rouillon F. Ten-year prospective follow-up study of the mortality by suicide in schizophrenic patients. *Schizophr Res*. 2007;94(1-3):23-28.
112. Lindelius R, Kay DW. Some changes in the pattern of mortality in schizophrenia, in Sweden. *Acta Psychiatr Scand*. 1973;49(3):315-323.
113. Loas G, Yon V, Marechal V, Declé P. Relationships between subjective or objective symptoms and mortality in schizophrenia: A prospective study on 310 schizophrenic patients with a median follow-up of 8.4 years. *Psychiatry Res*. 2011;185(1-2):49-53.

114. Lundin A, Lundberg I, Allebeck P, Hemmingsson T. Psychiatric diagnosis in late adolescence and long-term risk of suicide and suicide attempt. *Acta Psychiatr Scand.* 2011;124(6):454-461.
115. Manderbacka K, Arffman M, Sund R, Haukka J, Keskimaki I, Wahlbeck K. How does a history of psychiatric hospital care influence access to coronary care: A cohort study. *BMJ Open.* 2012;2(2).
116. Markkula N, Harkanen T, Perala J, et al. Mortality in people with depressive, anxiety and alcohol use disorders in Finland. *Br J Psychiatry.* 2012;200(2):143-149.
117. Martin RL, Cloninger CR, Guze SB, Clayton PJ. Mortality in a follow-up of 500 psychiatric outpatients. II. Cause-specific mortality. *Arch Gen Psychiatry.* 1985;42(1):58-66.
118. Martin RL, Cloninger CR, Guze SB, Clayton PJ. Mortality in a follow-up of 500 psychiatric outpatients. I. Total mortality. *Arch Gen Psychiatry.* 1985;42(1):47-54.
119. Meller I, Fichter MM, Schropfel H. Mortality risk in the octo- and nonagenarians: Longitudinal results of an epidemiological follow-up community study. *Eur Arch Psychiatry Clin Neurosci.* 1999;249(4):180-189.
120. Meloni D, Miccinesi G, Bencini A, et al. Mortality among discharged psychiatric patients in Florence, Italy. *Psychiatr Serv.* 2006;57(10):1474-1481.
121. Menezes PR, Mann AH. Mortality among patients with non-affective functional psychoses in a metropolitan area of south-eastern Brazil. *Rev Saude Publica.* 1996;30(4):304-309.
122. Miller BJ, Paschall CB, 3rd, Svendsen DP. Mortality and medical comorbidity among patients with serious mental illness. *Psychiatr Serv.* 2006;57(10):1482-1487.
123. Mittendorfer-Rutz E, Kjeldgard L, Runeson B, et al. Sickness absence due to specific mental diagnoses and all-cause and cause-specific mortality: A cohort study of 4.9 million inhabitants of Sweden. *PLoS One.* 2012;7(9):e45788.
124. Mogga S, Prince M, Alem A, et al. Outcome of major depression in Ethiopia - population-based study. *Br J Psychiatry.* 2006;189:241-246.
125. Morden NE, Lai Z, Goodrich DE, et al. Eight-year trends of cardiometabolic morbidity and mortality in patients with schizophrenia. *Gen Hosp Psychiatry.* 2012;34(4):368-379.
126. Morgan MG, Scully PJ, Youssef HA, Kinsella A, Owens JM, Waddington JL. Prospective analysis of premature mortality in schizophrenia in relation to health service engagement: A 7.5-year study within an epidemiologically complete, homogeneous population in rural Ireland. *Psychiatry Res.* 2003;117(2):127-135.
127. Mortensen PB, Juel K. Mortality and causes of death in schizophrenic patients in Denmark. *Acta Psychiatr Scand.* 1990;81(4):372-377.
128. Murphy JM, Monson RR, Olivier DC, Sobol AM, Pratt LA, Leighton AH. Mortality risk and psychiatric disorders. Results of a general physician survey. *Soc Psychiatry Psychiatr Epidemiol.* 1989;24(3):134-142.
129. Murphy JM, Gilman SE, Lesage A, et al. Time trends in mortality associated with depression: Findings from the Stirling County Study. *Can J Psychiatry.* 2010;55(12):776-783.
130. Newman SC, Bland RC. Suicide risk varies by subtype of affective disorder. *Acta Psychiatr Scand.* 1991;83(6):420-426.
131. Newman SC, Bland RC. Mortality in a cohort of patients with schizophrenia: A record linkage study. *Can J Psychiatry.* 1991;36(4):239-245.
132. Nielsen RE, Uggerby AS, Jensen SO, McGrath JJ. Increasing mortality gap for patients diagnosed with schizophrenia over the last three decades--a Danish nationwide study from 1980 to 2010. *Schizophr Res.* 2013;146(1-3):22-27.
133. Nome S, Holsten F. Changes in mortality after first psychiatric admission: A 20-year prospective longitudinal clinical study. *Nord J Psychiatry.* 2012;66(2):97-106.
134. Nordentoft M, Wahlbeck K, Hallgren J, et al. Excess mortality, causes of death and life expectancy in 270,770 patients with recent onset of mental disorders in Denmark, Finland and Sweden. *PLoS One.* 2013;8(1).
135. Osborn DPJ, Levy G, Nazareth I, Petersen I, Islam A, King MB. Relative risk of cardiovascular and cancer mortality in people with severe mental illness from the United Kingdom's General Practice Research Database. *Arch Gen Psychiatry.* 2007;64(2):242-249.
136. Osborn D, Levy G, Nazareth I, King M. Suicide and severe mental illnesses. Cohort study within the UK General Practice Research Database. *Schizophr Res.* 2008;99(1-3):134-138.
137. Osby U, Correia N, Brandt L, Ekbohm A, Sparen P. Time trends in schizophrenia mortality in Stockholm County, Sweden: Cohort study. *BMJ.* 2000;321(7259):483-484.
138. Osby U, Brandt L, Correia N, Ekbohm A, Sparen P. Excess mortality in bipolar and unipolar disorder in Sweden. *Arch Gen Psychiatry.* 2001;58(9):844-850.
139. Pandiani JA, Banks SM, Bramley J, Moore R. Mortality of mental health service recipients in Vermont and Oklahoma. *Psychiatr Serv.* 2002;53(8):1025-1027.
140. Park S, Kim SY, Hong JP. Cause-specific mortality of psychiatric inpatients and outpatients in a general hospital in Korea. *Asia Pac J Public Health.* 2012.

141. Patten SB, Williams JV, Lavorato D, Li Wang J, Khaled S, Bulloch AG. Mortality associated with major depression in a Canadian community cohort. *Can J Psychiatry*. 2011;56(11):658-666.
142. Penninx B, Geerlings SW, Deeg DJH, van Eijk JTM, van Tilburg W, Beekman ATF. Minor and major depression and the risk of death in older persons. *Arch Gen Psychiatry*. 1999;56(10):889-895.
143. Perini G, Grigoletti L, Hanife B, Biggeri A, Tansella M, Amaddeo F. Cancer mortality among psychiatric patients treated in a community-based system of care: A 25-year case register study. *Soc Psychiatry Psychiatr Epidemiol*. 2013.
144. Phillips AC, Batty GD, Gale CR, et al. Generalized anxiety disorder, major depressive disorder, and their comorbidity as predictors of all-cause and cardiovascular mortality: The Vietnam Experience Study. *Psychosom Med*. 2009;71(4):395-403.
145. Phillips MR, Yang G, Li S, Li Y. Suicide and the unique prevalence pattern of schizophrenia in mainland China: A retrospective observational study. *Lancet*. 2004;364(9439):1062-1068.
146. Piatt EE, Munetz MR, Ritter C. An examination of premature mortality among decedents with serious mental illness and those in the general population. *Psychiatr Serv*. 2010;61(7):663-668.
147. Politi P, Piccinelli M, Klersy C, et al. Mortality in psychiatric patients 5 to 21 years after hospital admission in Italy. *Psychol Med*. 2002;32(2):227-237.
148. Prior P, Hassall C, Cross KW. Causes of death associated with psychiatric illness. *J Public Health Med*. 1996;18(4):381-389.
149. Pulska T, Pahkala K, Laippala P, Kivelä S-L. Six-year survival of depressed elderly Finns: A community study. *Int J Geriatr Psychiatry*. 1997;12(9):942-950.
150. Qin P. The impact of psychiatric illness on suicide: Differences by diagnosis of disorders and by sex and age of subjects. *J Psychiatr Res*. 2011;45(11):1445-1452.
151. Ran MS, Chen EYH, Conwell Y, et al. Mortality in people with schizophrenia in rural China - 10-year cohort study. *Br J Psychiatry*. 2007;190:237-242.
152. Rapp MA, Gerstorf D, Helmchen H, Smith J. Depression predicts mortality in the young old, but not in the oldest old: Results from the Berlin Aging Study. *Am J Geriatr*. 2008;16(10):844-852.
153. Rasanen P, Tiihonen J, Isohanni M, Moring J, Koironen M. Juvenile mortality, mental disturbances and criminality: A prospective study of the northern Finland 1966 birth cohort. *Acta Psychiatr Scand*. 1998;97(1):5-9.
154. Rasanen S, Hakko H, Viilo K, Meyer-Rochow VB, Moring J. Excess mortality among long-stay psychiatric patients in northern Finland. *Soc Psychiatry Psychiatr Epidemiol*. 2003;38(6):297-304.
155. Ringback Weitoft G, Gullberg A, Rosen M. Avoidable mortality among psychiatric patients. *Soc Psychiatry Psychiatr Epidemiol*. 1998;33(9):430-437.
156. Rorsman B. Mortality among psychiatric patients. *Acta Psychiatr Scand*. 1974;50(3):354-375.
157. Rorsman B, Hagnell O, Lanke J. Mortality in the Lundby Study. Natural death in different forms of mental disorder in a total population investigated during a 25-year period. *Neuropsychobiology*. 1982;8(4):188-197.
158. Rorsman B, Hagnell O, Lanke J. Violent death and mental disorders in the Lundby Study: Accidents and suicides in a total population during a 25-year period. *Neuropsychobiology*. 1982;8(5):233-240.
159. Ryan J, Carriere I, Ritchie K, et al. Late-life depression and mortality: Influence of gender and antidepressant use. *Br J Psychiatry*. 2008;192(1):12-18.
160. Saint Onge JM, Krueger PM, Rogers RG. The relationship between major depression and nonsuicide mortality for U.S. adults: The importance of health behaviors. *J Gerontol B Psychol Sci Soc Sci*. 2014.
161. Saku M, Tokudome S, Ikeda M, et al. Mortality in psychiatric patients, with a specific focus on cancer mortality associated with schizophrenia. *Int J Epidemiol*. 1995;24(2):366-372.
162. Salazar-Fraile J, Gomez-Beneyto M, Perez-Hoyos S, Hurtado-Navarro I. Mortality among psychiatric patients referred to the mental health services in Valencia. *Soc Psychiatry Psychiatr Epidemiol*. 1998;33(5):224-229.
163. Saugstad LF, Odegard O. Mortality in psychiatric hospitals in Norway 1950--74. *Acta Psychiatr Scand*. 1979;59(4):431-447.
164. Saz P, Launer LJ, Dia JL, De-La-Camara C, Marcos G, Lobo A. Mortality and mental disorders in a Spanish elderly population. *Int J Geriatr Psychiatry*. 1999;14(12):1031-1038.
165. Schneider B, Muller MJ, Philipp M. Mortality in affective disorders. *J Affect Disord*. 2001;65(3):263-274.
166. Segal SP, Burgess PM. Effect of conditional release from hospitalization on mortality risk. *Psychiatr Serv*. 2006;57(11):1607-1613.
167. Sharma R, Markar HR. Mortality in affective disorder. *J Affect Disord*. 1994;31(2):91-96.
168. Sharma VK, Copeland JR, Dewey ME, Lowe D, Davidson I. Outcome of the depressed elderly living in the community in Liverpool: A 5-year follow-up. *Psychol Med*. 1998;28(6):1329-1337.
169. Sherman ME, Knudsen KJ, Sweeney HA, Tam K, Musuuza J, Koroukian SM. Analysis of causes of death for all decedents in Ohio with and without mental illness, 2004-2007. *Psychiatr Serv*. 2013;64(3):245-251.
170. Shinozaki H. An epidemiologic study of deaths of psychiatric inpatients. *Compr Psychiatry*. 1976;17(3):425-436.
171. Simpson JC, Tsuang MT. Mortality among patients with schizophrenia. *Schizophr Bull*. 1996;22(3):485-499.

172. Sohlman B, Lehtinen V. Mortality among discharged psychiatric patients in Finland. *Acta Psychiatr Scand.* 1999;99(2):102-109.
173. Stark C, MacLeod M, Hall D, O'Brien F, Pelosi A. Mortality after discharge from long-term psychiatric care in Scotland, 1977-94: A retrospective cohort study. *BMC Public Health.* 2003;3.
174. Stromberg R, Backlund LG, Johansson SE, Lofvander M. Mortality in depressed and non-depressed primary care Swedish patients: A 12-year follow-up cohort study. *Fam Pract.* 2013;30(5):514-519.
175. Surtees PG, Wainwright NWJ, Luben RN, Wareham NJ, Bingham SA, Khaw KT. Depression and ischemic heart disease mortality: Evidence from the Epic-Norfolk United Kingdom Prospective Cohort Study. *Am J Psychiatr.* 2008;165(4):515-523.
176. Suvisaari J, Partti K, Perala J, et al. Mortality and its determinants in people with psychotic disorder. *Psychosom Med.* 2013;75(1):60-67.
177. Talaslahti T, Alanen HM, Hakko H, Isohanni M, Hakkinen U, Leinonen E. Mortality and causes of death in older patients with schizophrenia. *Int J Geriatr Psychiatry.* 2012;27(11):1131-1137.
178. Teferra S, Shibre T, Fekadu A, et al. Five-year mortality in a cohort of people with schizophrenia in Ethiopia. *BMC Psychiatry.* 2011;11:165.
179. Tenback D, Pijl B, Smeets H, Os J, Harten P. All-cause mortality and medication risk factors in schizophrenia: A prospective cohort study. *J Clin Psychopharmacol.* 2012;32(1):31-35.
180. Termorshuizen F, Wierdsma AI, Visser E, et al. Psychosis and suicide risk by ethnic origin and history of migration in the Netherlands. *Schizophr Res.* 2012;138(2-3):268-273.
181. Thomsen PH. A 22- to 25-year follow-up study of former child psychiatric patients: A register-based investigation of the course of psychiatric disorder and mortality in 546 Danish child psychiatric patients. *Acta Psychiatr Scand.* 1996;94(6):397-403.
182. Thomson W. Lifting the shroud on depression and premature mortality: A 49-year follow-up study. *J Affect Disord.* 2011;130(1-2):60-65.
183. Thomson W. Long term follow up of suicide in a clinically depressed community sample. *J Affect Disord.* 2012;139(1):52-55.
184. Thomson W. The head stands accused by the heart! - depression and premature death from ischaemic heart disease. *Open Journal of Depression.* 2014;3:33-40.
185. Tidemalm D, Waern M, Stefansson CG, Elofsson S, Runeson B. Excess mortality in persons with severe mental disorder in Sweden: A cohort study of 12 103 individuals with and without contact with psychiatric services. *Clin Pract Epidemiol Ment Health.* 2008;4:23.
186. Tiihonen J, Lonnqvist J, Wahlbeck K, et al. 11-year follow-up of mortality in patients with schizophrenia: A population-based cohort study (FIN11 study). *Lancet.* 2009;374(9690):620-627.
187. Tokuda Y, Obara H, Nakazato N, Stein GH. Acute care hospital mortality of schizophrenic patients. *J Hosp Med.* 2008;3(2):110-116.
188. Tran E, Rouillon F, Loze JY, et al. Cancer mortality in patients with schizophrenia: An 11-year prospective cohort study. *Cancer.* 2009;115(15):3555-3562.
189. Tsuang MT, Woolson RF, Fleming JA. Causes of death in schizophrenia and manic-depression. *Br J Psychiatry.* 1980;136:239-242.
190. Valenti M, Necozone S, Busellu G, et al. Mortality in psychiatric hospital patients: A cohort analysis of prognostic factors. *Int J Epidemiol.* 1997;26(6):1227-1235.
191. van Hout HP, Beekman AT, de Beurs E, et al. Anxiety and the risk of death in older men and women. *Br J Psychiatry.* 2004;185:399-404.
192. Vilalta-Franch J, Planas-Pujol X, Lopez-Pousa S, Llinas-Regla J, Merino-Aguado J, Garre-Olmo J. Depression subtypes and 5-years risk of mortality in aged 70 years: A population-based cohort study. *Int J Geriatr Psychiatry.* 2012;27(1):67-75.
193. Walters K, Rait G, Petersen I, Williams R, Nazareth I. Panic disorder and risk of new onset coronary heart disease, acute myocardial infarction, and cardiac mortality: Cohort study using the general practice research database. *Eur Heart J.* 2008;29(24):2981-2988.
194. Wedegaertner F, Arnhold-Kerri S, Sittaro NA, Bleich S, Geyer S, Lee WE. Depression- and anxiety-related sick leave and the risk of permanent disability and mortality in the working population in Germany: A cohort study. *BMC Public Health.* 2013;13:145.
195. Weeke A, Vaeth M. Excess mortality of bipolar and unipolar manic-depressive patients. *J Affect Disord.* 1986;11(3):227-234.
196. Westman J, Gissler M, Wahlbeck K. Successful deinstitutionalization of mental health care: Increased life expectancy among people with mental disorders in Finland. *Eur J Public Health.* 2012;22(4):604-606.
197. Westman J, Hallgren J, Wahlbeck K, Erlinge D, Alfredsson L, Osby U. Cardiovascular mortality in bipolar disorder: A population-based cohort study in Sweden. *BMJ Open.* 2013;3(4).

198. Wu CY, Chang CK, Hayes RD, Broadbent M, Hotopf M, Stewart R. Clinical risk assessment rating and all-cause mortality in secondary mental healthcare: The South London and Maudsley NHS Foundation Trust Biomedical Research Centre (SLAM BRC) case register. *Psychol Med.* 2012;42(8):1581-1590.
199. Xue Y, Taub PR, Iqbal N, et al. Cardiac biomarkers, mortality, and post-traumatic stress disorder in military veterans. *Amer J Cardiol.* 2012;109(8):1215-1218.
200. Zheng DY, Macera CA, Croft JB, Giles WH, Davis D, Scott WK. Major depression and all cause mortality among white adults in the United States. *Ann Epidemiol.* 1997;7(3):213-218.
201. Zivin K, Ilgen MA, Pfeiffer PN, et al. Early mortality and years of potential life lost among Veterans Affairs patients with depression. *Psychiatr Serv.* 2012;63(8):823-826.
202. Zohar J, Fostick L. Mortality rates between treated post-traumatic stress disorder Israeli male veterans compared to non-diagnosed veterans. *Eur Neuropsychopharmacol.* 2014;24(1):117-124.
203. Zubenko GS, Mulsant BH, Sweet RA, Pasternak RE, Tu XM. Mortality of elderly patients with psychiatric disorders. *Am J Psychiat.* 1997;154(10):1360-1368.