

Supplementary Table 1. Search strategy used in PubMed database

No.	Search queries
# 1	((("severe"[tw] OR "severely"[tw] OR "serious"[tw] OR "major"[tw]) AND ("Mental Disorders"[mesh] OR "Mentally Ill Persons"[mesh] OR "Persons with Mental Disabilities"[mesh] OR "Psychotic Disorders"[mesh] OR "Depressive Disorder"[mesh] OR "mental abnormality"[tw] OR "mental change"[tw] OR "mental confusion"[tw] OR "mental defect"[tw] OR "mental disabilit"[tw] OR "mental disorder"[tw] OR "mental disturbance"[tw] OR "mental health"[tw] OR "mental illness"[tw] OR "mental insufficiency"[tw] OR "mental patient"[tw] OR "mental retard"[tw] OR "mental symptom"[tw] OR "mentally challenged"[tw] OR "mentally deficient"[tw] OR "mentally disabled"[tw] OR "mentally handicapped"[tw] OR "mentally ill"[tw] OR "mentally impaired"[tw] OR "mentally retard"[tw] OR "neuropsychiatric disease"[tw] OR "neuropsychiatric disorder"[tw] OR "psychiatric disease"[tw] OR "psychiatric disorder"[tw] OR "psychiatric illness"[tw] OR "psychiatric symptom"[tw] OR "psychic disease"[tw] OR "psychic disorder"[tw] OR "psychic disturbance"[tw] OR "psychologic disorder"[tw] OR "psychologic disturbance"[tw] OR "psychological disorder"[tw] OR "psychological disturbance"[tw] OR "psychopathology"[tw] OR "abnormal mental state"[tw] OR "disordered mental state"[tw] OR "disturbed mental state"[tw] OR "insanity"[tw] OR "psychotic disorder"[tw] OR "psychosis"[tw] OR "psychoses"[tw] OR "psychotic"[tw] OR "depressive disorder"[tw] OR "depressive neuros"[tw] OR "endogenous depressi"[tw] OR "depressive syndrome"[tw] OR "neurotic depressi"[tw] OR "melancholia"[tw] OR "unipolar depressi"[tw] OR "central depressi"[tw] OR "clinical depressi"[tw] OR "depressive episode"[tw] OR "depressive illness"[tw] OR "depressive personality disorder"[tw] OR "depressive state"[tw] OR "depressive symptom"[tw] OR "mental depressi"[tw] OR "parental depressi"[tw]))
# 2	"Paranoid Disorders"[mesh] OR "Schizophrenia"[mesh] OR "Schizophrenia, Paranoid"[mesh] OR "Bipolar Disorder"[mesh] OR "schizoaffective disorder"[tiab] OR "schizophreniform disorder"[tiab] OR "paranoid disorder"[tiab] OR "paranoia"[tiab] OR "schizophreni"[tiab] OR "delusional disorder"[tiab] OR "bipolar disorder"[tiab] OR "bipolar mood disorder"[tiab] OR "manic depressi"[tiab] OR "bipolar depressi"[tiab] OR "manic disorder"[tiab] OR "bipolar affective disorder"[tiab] OR "bipolar and related disorder"[tiab] OR "bipolar illness"[tiab] OR "maniodepressi"[tiab]
# 3	("schizo"[tw] OR "paranoi"[tw] OR "delusion"[tw] OR "bipolar"[tw] OR "maniac"[tw])
# 4	#1 OR #2 OR #3
# 5	"Program development"[mesh] OR "Patient Education as Topic"[mesh] OR "Psychotherapy"[mesh] OR "Cognitive Behavioral Therapy"[mesh] OR "Counseling"[mesh] OR "program"[tw] OR "intervention"[tw] OR "treatment"[tw] OR "training"[tw] OR "coaching"[tw] OR "education"[tw] OR "planning"[tw] OR "therap"[tw] OR "psychotherap"[tw] OR "strategy"[tw] OR "strategies"[tw] OR "best practice"[tw] OR "management"[tw] OR "counseling"[tw]
# 6	"Shame"[mesh] OR "self-stigma"[tw] OR "internal* stigma"[tw] OR "perceived stigma"[tw] OR "individual stigma"[tw] OR "personal stigma"[tw] OR "stigma"[tw] OR "devaluation"[tw] OR "shame"[tw]
# 7	("randomized controlled trial"[PT]) OR ("controlled clinical trial"[PT]) OR ("randomized"[TIAB]) OR ("placebo"[TIAB]) OR ("randomly"[TIAB]) OR ("trial"[TIAB]) OR ("groups"[TIAB])
# 8	#4 AND #5 AND #6 AND #7
# 9	("Animals"[Mesh]) NOT "Humans"[Mesh]
# 10	#8 NOT #9
# 11	#9 AND (2018:3000[pdat])