**Appendix A1.** Search strategy PubMed

Search (((("Nursing Homes"[Mesh] OR "Homes for the Aged"[Mesh] OR "Long-Term Care"[Mesh] OR longterm care[tiab] OR long-term care[tiab] OR nursing home\*[tiab] OR assisted living[tiab] OR inpatient institution \*[tiab] OR "Care homes"[tiab] OR homes for the aged[tiab] OR (resident\*[tiab] AND (longterm\*[tiab] OR long-term\*[tiab] OR institut\*[tiab]))))) AND (("Process Assessment (Health Care)"[Mesh] OR "Outcome and Process Assessment (Health Care)"[Mesh:NoExp] OR "Health Plan Implementation"[Mesh] OR fidelit\*[tiab] OR process evaluat\*[tiab] OR process assess\*[tiab] OR change init\*[tiab] OR organizational chang\*[tiab] OR organisational chang\*[tiab] OR (implement\*[tiab] AND (barrier\*[tiab] OR facilitat\*[tiab] OR determinant\*[tiab] OR factor\*[tiab] OR evaluat\*[tiab] OR succes\*[tiab] OR strat\*[tiab] OR process\*[tiab] OR challeng\*[tiab])) OR (interdisciplinary[tiab] AND evaluation[tiab])))) AND (("Psychotropic Drugs"[Mesh] OR "Hypnotics and Sedatives"[Mesh] OR "Anticonvulsants"[Mesh] OR "Cholinesterase Inhibitors"[Mesh] OR "Feeding and Eating Disorders"[Mesh] OR "Sleep Wake Disorders"[Mesh] OR "Anxiety"[MeSH] OR "Appetite"[MeSH] OR "Behavioral Symptoms"[MeSH] OR "Euphoria"[MeSH] OR "Hallucinations"[MeSH] OR "Irritable Mood" [MeSH] OR "Psychomotor Agitation"[MeSH] OR "Apathy"[Mesh] OR psychotropic\*[tiab] OR Tranquili\*[tiab] OR anti-anxiety[tiab] OR Anxiolytic\* [tiab] OR (Antidepress\*[tiab] OR anti-depress\*[tiab]) OR Antipsycho\*[tiab] OR Hypnoti\*[tiab] OR Sedative\*[tiab] OR Anticonvulsant\*[tiab] OR Cholinesterase[tiab] OR aberrant motor behav\*[tiab] OR (affect\*[tiab] AND sympt\*[tiab]) OR aggression[tiab] OR aggressive[tiab] OR agitation[tiab] OR anxiety[tiab] OR apathy[tiab] OR (behav\*[tiab] AND sympt\*[tiab]) OR biting[tiab] OR cognitive sympt\*[tiab] OR complaining[tiab] OR crying[tiab] OR cursing[tiab] OR delirium[tiab] OR delusions[tiab] OR demanding[tiab] OR depress\*[tiab] OR disinhibit\*[tiab] OR disrupt\*[tiab] OR eating disturb\*[tiab] OR euphoria[tiab] OR hallucinations[tiab] OR hitting[tiab] OR hoarding[tiab] OR kicking[tiab] OR misidentification[tiab] OR negativism[tiab] OR neuropsychiatric\*[tiab] OR pacing[tiab] OR psychopathology[tiab] OR psychiatric sympt\*[tiab] OR psychosis[tiab] OR psychotic[tiab] OR antipsychotic[tiab] OR (psychogeriatric\*[tiab] AND sympt\*[tiab]) OR (psychol\*[tiab] AND sympt\*[tiab]) OR repetition[tiab] OR repetitive behav\*[tiab] OR screaming[tiab] OR sleep dis\*[tiab] OR restlessness[tiab] OR sexual disinhibition[tiab] OR Sexual Behav\*[tiab] OR sundowning[tiab] OR troublesome[tiab] OR uncooperative behav∗[tiab] OR verbal outburst[tiab] OR agitation[tiab] OR violen\*[tiab] OR wandering[tiab] OR yelling[tiab] OR appetite[tiab] OR Eating Disorders[tiab] OR Irritable mood[tiab] OR Mental Disorders[tiab] OR Mood Disorders[tiab] OR Neurobehavioral Manifest\*[tiab] OR Neuropsycho\*[tiab] OR Psychomotor Agitation[tiab] OR social behavi\*[tiab] OR behavior disorder\*[tiab] OR behaviour disorder\*[tiab] OR "Dementia"[Mesh:NoExp] OR challenging behav\*[tiab] OR dementia[tiab]) NOT "Review" [Publication Type]