**Supplementary File 1.** Figure 1. MEDLINE Search Strategy

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| Medline search |
| S64 | S20 AND S46 AND S63 |
| S63 | S47 OR S48 OR S49 OR S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56 OR S57 OR S58 OR S59 OR S60 OR S61 OR S62 |
| S62 | AB ((chang\* or improv\*) N2 (practic\* or behavi?or )) OR TI ((chang\* or improv\*) N2 (practic\* or behavi?or) ) |
| S61 | (outreach N2 educational) OR best practice |
| S60 | ((guideline? N3 (adher\* or enforc\* or implement\* or impact\* or uptake or follow)) OR TI ((guideline? N3 (adher\* or enforc\* or implement\* or impact\* or uptake or follow)) |
| S59 | academic detailing OR "patient-mediated" OR communities of practice |
| S58 | (MH "Diffusion of Innovation+") |
| S57 | AB "opinion leader?" OR AB ( ((knowledge or evidence or practice) N2 (gap? or barrier?)) ) OR TI ( ((knowledge or evidence or practice) N2 (gap? or barrier?)) ) |
| S56 | AB ( ((knowledge N2 (transfer\* or translation or shar\* or exchan\*)) or kt) ) OR TI ( ((knowledge N2 (transfer\* or translation or shar\* or exchan\*)) or kt) ) |
| S55 | (MH "Guideline Adherence") |
| S54 | AB ( ((knowledge or evidence or quality or research or practice) N2 gap?) ) OR TI ( ((knowledge or evidence or quality or research or practice) N2 gap?) ) OR AB ( (education\* N3 (continuing or group? or outreach or plan\* or practitioner? or program? or staff? or team?)) ) OR TI ( (education\* N3 (continuing or group? or outreach or plan\* or practitioner? or program? or staff? or team?)) ) |
| S53 | AB (((knowledge or evidence or quality or research or practice) adj2 gap?)) OR TI (((knowledge or evidence or quality or research or practice) adj2 gap?)) |
| S52 | AB organi?ational change OR AB Reminder\* OR AB audit\* OR AB chart review OR AB ( (’barrier? and facilitator?’) ) |
| S51 | AB ( (research\* N2 (adoption or diffus\* or disseminat\* or exchang\* or transfer\* or translation\* or application or implement\* or mobil\* or transfer\* or uptak\* or utili\*)) ) OR TI ( (research\* N2 (adoption or diffus\* or disseminat\* or exchang\* or transfer\* or translation\* or application or implement\* or mobil\* or transfer\* or uptak\* or utili\*)) ) OR AB ( (’research findings into action’ or ’research to action’ or ’research into action’ or ’evidence to action’ or ’evidence to practice’ or ’evidence into practice’) ) OR TI ( (’research findings into action’ or ’research to action’ or ’research into action’ or ’evidence to action’ or ’evidence to practice’ or ’evidence into practice’) ) |
| S50 | AB ( (evidence\* N2 (adher\* or adoption or exchang\* or translat\* or transfer\* or diffus\* or disseminat\* or exchang\* or implement\* or management or mobil\*or uptak\* or utili\*)) ) OR TI ( (evidence\* N2 (adher\* or adoption or exchang\* or translat\* or transfer\* or diffus\* or disseminat\* or exchang\* or implement\* or management or mobil\*or uptak\* or utili\*)) ) OR AB ( (kt N2 (application or broke\* or diffus\* or disseminat\* or decision\* or exchang\* or implement\* or intervent\* or mobili\* or plan\*or policy or policies or strateg\* or translat\* or transfer\* or uptak\* or utili\*)) ) OR TI ( (kt N2 (application or broke\* or diffus\* or disseminat\* or decision\* or exchang\* or implement\* or intervent\* or mobili\* or plan\*or policy or policies or strateg\* or translat\* or transfer\* or uptak\* or utili\*)) ) |
| S49 | AB ( (knowledge N2 (transmission or application or broke\* or creation or diffus\* or disseminat\* or exchang\* or implement\* or management or mobili\*or translat\* or transfer\* or uptak\* or utili\*)) ) OR TI ( (knowledge N2 (transmission or application or broke\* or creation or diffus\* or disseminat\* or exchang\* or implement\* or management or mobili\*or translat\* or transfer\* or uptak\* or utili\*)) ) |
| S48 | implement\* |
| S47 | (MH "Translational Medical Research") |
| S46 | S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42 OR S43 OR S44 OR S45 |
| S45 | AB ( wandering or disinhibition or "need-driven" or "responsive behavio?r" ) OR TI ( wandering or disinhibition or "need-driven" or "responsive behavio?r" ) |
| S44 | AB ( psychotic or delusion\* or hallucinat\* ) OR TI ( psychotic or delusion\* or hallucinat\* ) |
| S43 | AB ( shadowing or "calling out" or "repetitive questioning" ) OR TI ( shadowing or "calling out" or "repetitive questioning" ) |
| S42 | AB ( shadowing or vocalizing or 'calling out" or repetitive ) OR TI ( shadowing or vocalizing or 'calling out" or repetitive ) |
| S41 | AB psychosis OR TI psychosis |
| S40 | AB ( sleep or "sleep disorder" ) OR TI ( sleep or "sleep disorder" ) |
| S39 | AB apathy OR TI apathy |
| S38 | (MH "Anxiety") |
| S37 | (MH "Depression") |
| S36 | AB aggress\* OR TI aggress\* |
| S35 | AB "mood change\*" OR TI "mood change\*" |
| S34 | AB Labil\* OR TI Labil\* |
| S33 | AB Irritabil\* OR TI Irritabil\* |
| S32 | AB agitat\* OR TI agitat\* |
| S31 | neuropsychological symptoms |
| S30 | disruptive behavior |
| S29 | non-cognitive symptoms |
| S28 | "psychological symptoms" |
| S27 | "psychiatric symptoms" |
| S26 | AB psycho-behavio?ral symptoms OR TI psycho-behavio?ral symptoms |
| S25 | AB neuro-psychiatric symptoms OR TI neuro-psychiatric symptoms |
| S24 | "Neuropsychiatric symptom\*" |
| S23 | BPSD OR ( "behavio?ral and psychological symptoms of dementia" ) |
| S22 | Behavio?r\* symptom\* |
| S21 | behavioral disturbance |
| S20 | S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 |
| S19 | (Parkinson\* disease dementia or PDD) |
| S18 | korsako\* |
| S17 | binswanger\* |
| S16 | huntington\* |
| S15 | (creutzfeldt or jcd or cjd) |
| S14 | (pick\* N2 disease) |
| S13 | (cerebral\* N2 insufficient\*) |
| S12 | (cerebr\* N2 deteriorat\*) |
| S11 | "benign senescent forgetfulness" |
| S10 | ("normal pressure hydrocephalus" and "shunt\*") |
| S9 | ("organic brain disease" or "organic brain syndrome") |
| S8 | (chronic N2 cerebrovascular) |
| S7 | (lewy\* N2 bod\*) |
| S6 | alzheimer\* |
| S5 | dement\* |
| S4 | (MH "Wernicke Encephalopathy") |
| S3 | (MH "Delirium, Dementia, Amnestic, Cognitive Disorders") |
| S2 | (MH "Alzheimer Disease") |
| S1 | (MH "Dementia") |