**Supplementary Table. Selected potentially relevant reviews excluded with reasons.**

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| **Excluded review** | **Reason for exclusion** |
| *Antidepressants*  |  |
| Leong 2014 | Low quality review (AMSTAR 1/11) |
| Thompson 2007 | No global BPSD outcomes |
| Sepehry 2012 | No global BPSD outcomes |
| Henry 2011 | Higher quality, more recent review included (AMSTAR for this review 2/11) |
| Nelson 2011 | No global BPSD outcomes (response rates are for depression, clinical global etc) |
| *Anxiolytics* |  |
| Defrancesco 2015 | No global BPSD outcomes reported. AMSTAR 4/11 |
| Tampi 2014 | No global BPSD outcomes reported. |
| *Caregiver interventions* |  |
| Brodaty 2012 | Older search than included review, no quality appraisal (NHMRC levels of evidence is not a quality appraisal tool), studies included in meta-analysis were included more than once for different outcomes. |
| *Cognitive stimulation* |  |
| Alves 2013 | Newer search, but quality not as high as included review (AMSTAR for this review: 6/11) |
| *Massage* |  |
| Moyle 2013 | No RCTs included |
| Hansen 2006 | No included RCTs reporting global BPSD outcomes |
| Swedish Council on Technology Assessment in Health Care (SBU) 2002 | Only summary available in English, complete report in Swedish.One included relevant study (16 participants, a “controlled study”), not clearly identified as RCT: Exclude: No included RCTs of global BPSD.  |
| *Music* |  |
| Vasionyte 2013 | Higher quality review included (AMSTAR for this review: 4/11) |
| *Pain interventions* |  |
| Gupta 2015 | BPSD was not an outcome |
| *Recreation therapy* |  |
| Testad 2014 | Range of recreational therapies. Outcomes address BPSD subdomains, global BPSD not an outcome |
| Latchem 2014 | Reading. No included RCTs.  |
| Lazar 2014 | Technology for reminiscence therapy. No RCTs included. |
| Cowl 2012 | Art, music. Low quality review (AMSTAR 1/11) |
| Subramanian 2012  | Reminiscence therapy. Low quality review (AMSTAR 3/11) |
| Zetteler 2008 | Stimulated presence therapy. Low quality review (AMSTAR 1/11) |
| Kim 2006 | Reminiscence therapy. Search dates older than included review. |
| Marshall 2001 | Low quality review (AMSTAR 1/11) |
| *Multiple non-pharmacological interventions* |
| Olazaran 2010 | Higher quality quality reviews available (AMSTAR for this review 4/11) and for most interventions included higher quality reviews were available. This review was considered for inclusion for recreation therapy, but the only RCT for recreation did not provide data for the randomised comparison. |