Evidence Table 4. Health outcomes for people with dementia: cognitive decline, functional decline, and pain

| Author, YearTrial NameFunding Source | Cognitive Decline | Functional Decline | Pain |
| --- | --- | --- | --- |
| Dowling, 20051NAGovernment | NR | NR | NR |
| Fritsch, 20092NAFoundation or non-profit | General Alertness SubscaleG1: 1512/1647 G2:1111/1245 G1 vs. G2: 1.028 times greater number of alertness events p<0.05 | NR | NR |
| Hickman, 20073NAGovernment | NR | NR | NR |
| Kovach, 20064NAGovernment | NR | NR | Discomfort-DATBaselineG1:162.91G2:158.39, End Point: G1: 122.17G2: 197.92Within Group Mean Change G1: 40.74G2: -39.53G1 vs. G2: 95% CI, 43.26 to 113.26p<0.001Effect size: 0.89 |
| Remington, 20026NAOther | NR | NR | NR |
| Rosswurm, 19907NAOther | MMSEMean Gain Scores G1: 1.33G2: -0.33t value = 1.36, NS | DBSMean Gain ScoreG1: 0.33G2: -0.33t value = 0.32, NS | NR |

Evidence Table 4. Health outcomes for people with dementia: cognitive decline, functional decline, and pain (continued)

| Author, YearTrial NameFunding Source | Cognitive Decline | Functional Decline | Pain |
| --- | --- | --- | --- |
| Sloane, 20048NAGovernment | NR | NR | Modified Discomfort -DATEndpointG1: 1.82 G2: 1.57G3: 2.14 G1 vs. G2: p=0.001G2 vs.G3: p<0.001Change in Modified Discomfort-DATG1: 0.29G2: 0.54G3: -0.02G1 vs. G3p<0.001G2 vs. G3p=0.001G1 vs. G2: p=0 .003 |

Evidence Table 4. Health outcomes for people with dementia: cognitive decline, functional decline, and pain (continued)

| Author, YearTrial NameFunding Source | Cognitive Decline | Functional Decline | Pain |
| --- | --- | --- | --- |
| Sloane, 20059Collaborative Studies of Long-Term CareGovernment | MDS-COGS Increase in cognitive impairment, Mean Change per 12 monthsMild DementiaG1: 0.41G2: 0.71p=0.181Moderate or Severe DementiaG1: -0.13G2: 0.45p=0.93MDS-COGS Increase in cognitive impairment, Mean Change per 12 monthsG3: 0.33G4: 0.30G3 vs. G4 p=0.943G5: 0.58G6:: 0.61G5 vs. G6: p=0.903 | MDS-ADL Mean Change in ADL dependency per 12 months, MDS-ADL scaleMild DementiaG1: 4.29G2: 5.80p=0.059Moderate or Severe DementiaG1: 0.87G2: 1.13p=0.807MDS-ADL Mean Change in ADL dependency per 12 months, MDS-ADL scaleG3: 5.64G4: 2.91G3 vs. G4: p=0.029G5: 3.00G6: 3.19G5 vs. G6: p=0.886 | Pain, not effectively treated during last month of life, %G1: 10.2G2: 5.5p=0.186No Pain, never an issue during the last month of life, %G1: 48.5G2: 38.7p=0.249 |
| Sloane, 200810Collaborative Studies of Long-Term CareOther | NR | NR | NR |

Evidence Table 4. Health outcomes for people with dementia: cognitive decline, functional decline, and pain (continued)

| Author, YearTrial NameFunding Source | Cognitive Decline | Functional Decline | Pain |
| --- | --- | --- | --- |
| Tappen, 199411NAFoundation or non-profit | NR | Physical Self Maintenance ScaleWithin group mean changeG1: -3.33G2: -0.82G3: +0.74G1 vs. G2 and G3, p=0.04Adjusted Endpoint MeansG1: 26.17G2: 24.10G3: 22.63G1 vs. G3, p=0.01G2 vs. G1 or G3, p=NSPerformance Test of ADLWithin group mean changeG1: -3.01G2: -0.86G3: +1.14p=0.12Physical Self Maintenance ScaleGoal AttainmentEndpoint MeanG1: 1.75G2: 1.43G3: 1.10G1 vs. G2 vs. G3, p=0.0023G1 vs. G3, p=0.05G2 vs. G1 or G3, p=NS | NR |

Evidence Table 4. Health outcomes for people with dementia: cognitive decline, functional decline, and pain (continued)

| Author, YearTrial NameFunding Source | Cognitive Decline | Functional Decline | Pain |
| --- | --- | --- | --- |
| Toseland, 199712NAGovernment | NR | MOSES Self-care Subscale at baselineG1: 16.54G2: 16.09G3: 15.70MOSES Self-care Subscale at endpointG1: 16.52G2: 16.68G3: 16.77MOSES Self-care Subscale change at endpointG1: 0.02G2: -0.59G3: -1.07MOSES Disorientation Subscale at BaselineG1: 15.68, G2: 16.09G3: 17.91MOSES Disorientation Subscale at EndpointG1: 17.90 G2: 17.43G3: 17.09 | NR |
| Whall, 199713NAOther | NR | NR | NR |
| Zimmerman, 200514Dementia Care ProjectFoundation or non-profit | NR | NR | NR |

Abbreviations: ADL = Activities of Daily Living; DAT = Dementia of the Alzheimer’s Type; G = group; MDS-ADL = Minimum Data Set Activities of Daily Living Scale; MDS-COGS = Minimum Data Set Cognition Scale; MMSE = Mini-Mental State Examination; MOSES = Multidimensional Observation Scale for Elderly Subjects; NA = not applicable; NR = not reported; NS = not sufficient.