Table S14. Sensitivity analysis results of studies with prospective design only and mixed prospective and non-prospective design

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| **Clinical outcomes** | **Data type** | **Time** | **Summary statistics mixed prospective and non-prospective design** | **Summary statistics prospective design only** |
| Objective cognition (change) | Cat | Collapsed | OR=1.575, 95%CI:1.227–2.022, p<0.001, I²=23.0, τ²= 0.024, k=7 | OR=1.692, 95%CI:1.174–2.439, p<0.005, I²=22.1, τ²= 0.041, k=5 |
| ≤6 months | OR=1.551, 95%CI:1.232–1.953, p<0.001, I²=11.9, τ²= 0.013, k=7 | OR=1.679, 95%CI:1.152–2.448, p<0.007, I²=19.7, τ²= 0.039, k=5 |
| Objective cognition (performance) | Cat | Collapsed | OR=2.437, 95%CI:1.575–3.883, p<0.001, I²=72.2, τ²= 0.355, k=10 | OR=2.353, 95%CI:1.417–3.907, p<0.001, I²=73.1, τ²= 0.641, k=9 |
| >12 months | OR=7.395, 95%CI:2.303–23.748, p=0.001, I²=77.6, τ²= 0.803, k=3 | OR=12.590, 95%CI:3.934–40.299, p<0.001, I²=45.0, τ²= 0.327, k=2 |
| Objective cognition (performance) | Cont | Collapsed | g=-0.689, 95%CI:-0.822–-0.555, p<0.001, I²=94.7, τ²= 0.141, k=36 | g=-0.683, 95%CI:-0.818–-0.548, p<0.001, I²=94.8, τ²= 0.141, k=35 |
| ≤6 months | g=-0.657, 95%CI:-0.810–-0.505, p<0.001, I²=91.5, τ²= 0.136, k=28 | g=-0.648, 95%CI:-0.804–-0.493, p<0.001, I²=91.8, τ²= 0.136, k=27 |
| Functional change | Cat | Collapsed | OR=2.038, 95%CI:1.742–2.384, p<0.001, I²=20.1, τ²= 0.028, k=23 | OR=2.224, 95%CI:1.932–2.559, p<0.001, I²=0.0, τ²= 0.000, k=22 |
| ≤6 months | OR=1.894, 95%CI:1.564–2.293, p<0.001, I²=28.0, τ²= 0.042, k=17 | OR=2.095, 95%CI:1.777–2.469, p<0.001, I²=0.0, τ²= 0.000, k=16 |
| Functional performance | Cont | Collapsed | g=-0.616, 95%CI:-0.827–-0.405, p<0.001, I²=97.7, τ²= 0.404, k=37 | g=-0.632, 95%CI:-0.846–-0.418, p<0.001, I²=97.8, τ²= 0.405, k=36 |
| ≤6 months | g=-0.608, 95%CI:-0.866–-0.349, p<0.001, I²=97.6, τ²= 0.502, k=30 | g=-0.627, 95%CI:-0.891–-0.364, p<0.001, I²=97.7, τ²= 0.505, k=29 |
| Quality of life | Cat | Collapsed | OR=2.131, 95%CI:1.693–2.683, p<0.001, I²=0.0, τ²= 0.000, k=4 | OR=2.038, 95%CI:1.505–2.759, p<0.001, I²=16.1, τ²= 0.015, k=3 |
| ≤6 months | OR=1.804, 95%CI:1.237–2.631, p=0.002, I²=0.0, τ²= 0.000, k=3 | OR=1.567, 95%CI:0.969–2.534, p=0.067, I²=0.0, τ²= 0.000, k=2 |
| Cont | Collapsed | g=-0.443, 95%CI:-0.563–-0.323, p<0.001, I²=93.6, τ²= 0.068, k=22 | g=-0.444, 95%CI:-0.566–-0.322, p<0.001, I²=93.9, τ²= 0.068, k=21 |
| ≤6 months | g=-0.331, 95%CI:-0.465–-0.196, p<0.001, I²=88.8, τ²= 0.051, k=14 | g=-0.327, 95%CI:-0.465–-0.188, p<0.001, I²=89.5, τ²= 0.051, k=13 |
| Mental health | Cat | Collapsed | OR=1.687, 95%CI:1.308–2.175, p<0.001, I²=79.7, τ²= 0.161, k=14 | OR=1.763, 95%CI:1.337–2.325, p<0.001, I²=76.1, τ²= 0.176, k=13 |
| >6–12 months | OR=1.663, 95%CI:1.189–2.327, p=0.003, I²=72.4, τ²= 0.104, k=6 | OR=1.972, 95%CI:1.247–3.119, p=0.004, I²=68.9, τ²= 0.170, k=5 |
| Mental health  (Anxiety/anxiety disorders) | Cat | Collapsed | OR=1.600, 95%CI:1.211–2.114, p=0.001, I²=41.8, τ²= 0.041, k=6 | OR=1.884, 95%CI:1.538–2.309, p<0.001, I²=0.0, τ²= 0.000, k=5 |
| Mental health  (Depression/ depressive disorders) | Cat | Collapsed | OR=1.656, 95%CI:1.246–2.200, p<0.001, I²=65.5, τ²= 0.107, k=10 | OR=1.782, 95%CI:1.323–2.399, p<0.001, I²=53.1, τ²= 0.090, k=9 |
| Mental health  (PTSD) | Cat | Collapsed | OR=1.406, 95%CI:1.085–1.823, p=0.010, I²=30.4, τ²= 0.036, k=7 | OR=1.573, 95%CI:1.249–1.981, p<0.001, I²=0.0, τ²= 0.000, k=6 |
| Dementia | Cat | Collapsed | OR=5.373, 95%CI:3.307–8.732, p<0.001, I²=88.2, τ²= 1.112, k=23 | OR=6.076, 95%CI:3.405–10.842, p<0.001, I²=89.1, τ²= 1.412, k=20 |
| >6–12 months | OR=4.089, 95%CI:1.926–8.681, p<0.001, I²=84.1, τ²= 0.926, k=9 | OR=4.872, 95%CI:2.401–9.885, p<0.001, I²=70.3, τ²= 0.609, k=8 |
| >12 months | OR=5.189, 95%CI:2.437–11.050, p<0.001, I²=89.8, τ²= 1.463, k=12 | OR=5.670, 95%CI:2.230–14.417, p<0.001, I²=91.3, τ²= 1.904, k=10 |
| Readmission/revisit | Cat | Collapsed | OR=1.699, 95%CI:1.395–2.070, p<0.001, I²=66.4, τ²= 0.163, k=31 | OR=1.645, 95%CI:1.384–1.995, p<0.001, I²=48.4, τ²= 0.084, k=28 |
| ≤6 months | OR=1.734, 95%CI:1.387–2.168, p<0.001, I²=67.3, τ²= 0.203, k=29 | OR=1.680, 95%CI:1.374–2.055, p<0.001, I²=51.0, τ²= 0.114, k=26 |
| Mortality | Cat | Collapsed | OR=2.548, 95%CI:2.339–2.776, p<0.001, I²=82.4, τ²= 0.190, k=165 | OR=2.536, 95%CI:2.326–2.765, p<0.001, I²=81.0, τ²= 0.180, k=157 |
| ≤6 months | OR=2.934, 95%CI:2.609–3.299, p<0.001, I²=73.4, τ²= 0.186, k=103 | OR=2.926, 95%CI:2.593–3.302, p<0.001, I²=70.4, τ²= 0.174, k=96 |
| >6–12 months | OR=2.384, 95%CI:2.117–2.685, p<0.001, I²=73.9, τ²= 0.161, k=75 | OR=2.391, 95%CI:2.119–2.699, p<0.001, I²=73.0, τ²= 0.161, k=73 |
| >12 months | OR=2.022, 95%CI:1.675–2.441, p<0.001, I²=84.9, τ²= 0.260, k=42 | OR=2.055, 95%CI:1.691–2.498, p<0.001, I²=85.3, τ²= 0.266, k=40 |