

Table 3. Studies of self-rated/informant-based measures only and performance-based measures only.

| Author, year                                    | Study design; study setting                              | Dementia prevalence (%) | Tool (language); cut-off point                        | Sensitivity (%) | Specificity (%) | Accuracy (%) | Negative likelihood ratio | Positive likelihood ratio |
|---|--|-------------------------|---|-----------------|-----------------|--------------|---------------------------|---------------------------|
| <b>Self-rated/informant-based measures only</b> |  |                         |   |                 |                 |              |                           |                           |
| Chan et al. 2015 <sup>19</sup>                  | Cross-sectional; primary care                            | 14.2                    | Informant AD8 (E/C/M); 3/4                            | 91.0            | 91.0            | 91.0         | 0.10                      | 10.11                     |
| Dong et al. 2013 <sup>13</sup>                  | Case-control; memory clinic (cases), community (control) | 53.0                    | Informant AD8 (E/C/M); ≥2                             | 93.0            | 87.0            | 91.8         | 0.09                      | 6.85                      |
|   |  |                         | Self-rated AD8 (E/C/M); ≥2                            | 59.0            | 65.0            | 60.0         | 0.63                      | 1.69                      |
| Pang et al. 2022 <sup>22</sup>                  | Cohort; community  | 4.8                     | GDS-10; yes/no  | 40.9            | 82.9            | 80.0         | 0.71                      | 2.40                      |
|   |  |                         | Informant AD8-8; yes/no                               | 69.2            | 83.2            | 82.5         | 0.37                      | 4.12                      |
|   |  |                         | Self-rated AD8-8; yes/no                              | 41.7            | 76.5            | 75.0         | 0.60                      | 1.77                      |
| <b>Performance-based measures only</b>          |  |                         |   |                 |                 |              |                           |                           |
| Koh et al. 2020 <sup>16</sup>                   | Case-control; memory clinic (cases), community (control) | 53.0                    | VCAT-S1 (LN); <12                                     | 86.0            | 83.0            | 92.0         | 0.17                      | 5.06                      |
|   |  |                         | VCAT-S2 (LN); <10                                     | 76.0            | 90.0            | 92.0         | 0.27                      | 7.60                      |
| Sahadevan et al. 2000 <sup>14</sup>             | Case-control; memory clinic (cases), community (control) | 38.6                    | AMT (E/C); 60–74 years old: 0–6 yrs of education: 7/8 | 97.0            | 83.0            | -            | 0.036                     | 5.71                      |
|   |  |                         | 60–74 years old: ≥7 years of education: 8/9           | 80.0            | 91.0            | -            | 0.22                      | 8.88                      |
|   |  |                         | ≥75 years old: 0–6 years of education: 5/6            | 91.0            | 100             | -            | 0.1                       | -                         |
|   |  |                         | ≥75 years old: ≥7 years of education: 8/9             | 85.0            | 100             | -            | 0.15                      | -                         |
|   |  |                         |   |                 |                 |              |                           |                           |
| Yap et al. 2007 <sup>15</sup>                   | Case-control; memory clinic (cases), community (control) | 49.3                    | CLOX1 (LN); 0–6 years of education: 10                | 78.6            | 64.0            | 78.0         | 0.33                      | 2.18                      |
|   |  |                         | >6 years of education: 11                             | 88.2            | 68.4            | 88.0         | 0.17                      | 2.79                      |
|   |  |                         | Overall: 10   | 75.3            | 76.0            | 84.0         | 0.33                      | 3.14                      |
|   |  |                         | CLOX2 (LN); 0–6 years of education: 12                | 76.8            | 64.9            | 81.0         | 0.36                      | 2.19                      |
|   |  |                         | >6 years of education: 13                             | 87.5            | 81.6            | 91.0         | 0.15                      | 4.76                      |
|   |  |                         | Overall: 12   | 75.0            | 80.0            | 85.0         | 0.31                      | 3.75                      |
| Venketasubramanian 2024 <sup>25</sup>           | Cohort (2-phase study); community                        | 22.8                    | ECAQ (E/C/M/T); ≤5                                    | 78.0            | 95.5            | 95.0         | 0.23                      | 17.3                      |

AD8: Eight-Item Informant Interview to Differentiate Aging and Dementia; AD8-8: 8th question of AD8; AMT: Abbreviated Mental Test; CLOX; clock drawing task; E/C/M/T: English/Chinese/Malay/Tamil; ECAQ: Elderly Cognitive Assessment Questionnaire; GDS-10: 10th item on the Geriatric Depression Scale; LN: language neutral; VCAT-S: Visual Cognitive Assessment Test-short form  
Superscript numbers: refer to REFERENCES