**Table S1a:** Estimates (95% CI) of sensitivity, specificity, and Youden’s index for diagnostic definitions of MCI at baseline for dementia after 2 to 7 years of follow-up in non-Hispanic Blacks

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Follow-up year**  **(#cumulative incidence; # of participants at risk)** | **MCI classification** | **Sensitivity**  **(95% CI)** | **Specificity**  **(95% CI)** | **Youden’s index**  **(95% CI)** |
| 2  (11; 232) | Petersen/Winblad | 0.81  (0.72-0.90) | 0.54  (0.50-0.58) | 0.35  (0.25-0.44) |
| Jak/Bondi | 0.74  (0.64-0.85) | 0.64  (0.60-0.68) | 0.38  (0.27-0.49) |
| NIT | 0.53  (0.40-0.66) | 0.83  (0.80-0.86) | 0.37  (0.24-0.50) |
| Global CR | 0.92  (0.86-0.98) | 0.49  (0.44-0.53) | 0.40  (0.33-0.48) |
| 3  (18; 180) | Petersen/Winblad | 0.81  (0.71-0.90) | 0.55  (0.51-0.59) | 0.36  (0.25-0.45) |
| Jak/Bondi | 0.74  (0.63-0.84) | 0.65  (0.61-0.69) | 0.39  (0.27-0.50) |
| NIT | 0.52  (0.40-0.65) | 0.85  (0.82-0.87) | 0.37  (0.24-0.50) |
| Global CR | 0.92  (0.85-0.98) | 0.50  (0.46-0.55) | 0.42  (0.34-0.49) |
| 5  (26; 114) | Petersen/Winblad | 0.80  (0.71-0.90) | 0.57  (0.52-0.61) | 0.37  (0.26-0.47) |
| Jak/Bondi | 0.73  (0.62-0.84) | 0.67  (0.63-0.71) | 0.40  (0.28-0.51) |
| NIT | 0.51  (0.39-0.63) | 0.87  (0.83-0.89) | 0.37  (0.24-0.50) |
| Global CR | 0.91  (0.85-0.97) | 0.52  (0.48-0.57) | 0.43  (0.36-0.51) |
| 7  (34; 74) | Petersen/Winblad | 0.79  (0.70-0.89) | 0.60  (0.55-0.65) | 0.39  (0.28-0.51) |
| Jak/Bondi | 0.72  (0.61-0.82) | 0.70  (0.66-0.75) | 0.42  (0.29-0.55) |
| NIT | 0.48  (0.37-0.59) | 0.89  (0.85-0.92) | 0.37  (0.24-0.50) |
| Global CR | 0.91  (0.84-0.97) | 0.57  (0.51-0.62) | 0.47  (0.38-0.56) |

The 95% confidence intervals were obtained as 2.5% and 97.5% percentiles of estimates from 1000 bootstrap samples.

**Table S1b:** Estimates (95% CI) of sensitivity, specificity, and Youden’s index for diagnostic definitions of MCI at baseline for dementia after 2 to 7 years of follow-up in non-Hispanic Whites

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Follow-up year**  **(#cumulative incidence; # of participants at risk)** | **MCI classification** | **Sensitivity**  **(95% CI)** | **Specificity**  **(95% CI)** | **Youden’s index**  **(95% CI)** |
| 2  (23; 555) | Petersen/Winblad | 0.76  (0.69-0.83) | 0.60  (0.58-0.63) | 0.36  (0.29-0.44) |
| Jak/Bondi | 0.74  (0.66-0.81) | 0.66  (0.64-0.69) | 0.40  (0.32-0.48) |
| NIT | 0.54  (0.44-0.62) | 0.87  (0.85-0.89) | 0.41  (0.31-0.49) |
| Global CR | 0.81  (0.75-0.87) | 0.55  (0.52-0.58) | 0.37  (0.30-0.43) |
| 3  (38; 428) | Petersen/Winblad | 0.75  (0.68-0.82) | 0.61  (0.59-0.64) | 0.36  (0.29-0.45) |
| Jak/Bondi | 0.73  (0.65-0.80) | 0.68  (0.65-0.70) | 0.41  (0.33-0.49) |
| NIT | 0.53  (0.43-0.61) | 0.88  (0.86-0.90) | 0.40  (0.31-0.49) |
| Global CR | 0.81  (0.74-0.87) | 0.56  (0.54-0.59) | 0.37  (0.31-0.44) |
| 5  (52; 267) | Petersen/Winblad | 0.75  (0.68-0.82) | 0.63  (0.60-0.66) | 0.37  (0.30-0.46) |
| Jak/Bondi | 0.72  (0.65-0.80) | 0.69  (0.66-0.72) | 0.42  (0.34-0.50) |
| NIT | 0.51  (0.41-0.59) | 0.90  (0.88-0.92) | 0.40  (0.30-0.49) |
| Global CR | 0.80  (0.74-0.86) | 0.58  (0.55-0.61) | 0.38  (0.31-0.46) |
| 7  (61; 158) | Petersen/Winblad | 0.74  (0.67-0.81) | 0.65  (0.62-0.68) | 0.38  (0.31-0.47) |
| Jak/Bondi | 0.72  (0.64-0.79) | 0.71  (0.68-0.74) | 0.43  (0.34-0.52) |
| NIT | 0.48  (0.40-0.56) | 0.91  (0.89-0.93) | 0.40  (0.30-0.48) |
| Global CR | 0.80  (0.73-0.86) | 0.60  (0.57-0.63) | 0.40  (0.32-0.47) |

The 95% confidence intervals were obtained as 2.5% and 97.5% percentiles of estimates from 1000 bootstrap samples