**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