**Supplementary Material**

Informant questionnaire for brief CSID (extracted by Prince et al., 2011 [19] from the full CSID):

Questions No = 0 Yes = 1

1. Has there been a general decline in his/her mental functioning?
2. Have you noticed a change in his/her ability to think and reason?
3. Does he/she often forget where she has put things?
4. Does he/she sometimes forget what happened the day before?
5. Does he/she sometimes forget where he/she is?
6. Does he/she have difficulty dressing (misplacing buttons, putting clothes on in the wrong order/or in the wrong way? – if because of physical disability then code 0)

TOTAL SCORE (MAXIMUM = 6)

*Prevalence calculation*

This research uses back-estimation approach for prevalence using the observed prevalence based on a diagnostic test and established estimates of sensitivity and specificity from other research that used the same test and where able to compare its performance against a gold standard. By definition, the sensitivity of a diagnostic test (*SE*) is a function of true positives (*TP*) in the tested sample and the test false negatives (*FN*), i.e.:

Likewise, specificity (*SP*) is a function of true negatives (*TN*) and false positives (*FP*), i.e.:

Noting that the test positives (*testp*) and test negatives (*testn*) are given by:

solving for the true positives using the relationships defined above, we have:

and the true negatives:

False negative and false positives are also estimated based on the same relationships such that

**Supplementary Fig. 1.** Geographical map of catchment area for prevalence study recruitment. a) Households that were screened for dementia; b) Households not screened

a)



b)



**Supplementary Table 1.** Logistic regression results for dementia classification by age group and education level.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Estimate | Std. Error | Z value | p value |
| Intercept | -2.30 | 0.22 | -10.59 | 0.00 |
| AgeCat65-69 | 0.74 | 0.26 | 2.89 | 0.00 |
| AgeCat70-74 | 0.85 | 0.27 | 3.17 | 0.00 |
| AgeCat75-79 | 1.05 | 0.26 | 4.05 | 0.00 |
| AgeCat80-84 | 1.11 | 0.30 | 3.65 | 0.00 |
| AgeCat85+ | 1.25 | 0.30 | 4.15 | 0.00 |
| Educ2 | -0.39 | 0.23 | -1.67 | 0.09 |
| Educ3 | -0.24 | 0.29 | -0.85 | 0.40 |
| Educ4 | -0.60 | 0.44 | -1.37 | 0.17 |
| Educ5 | -0.00 | 1.11 | -0.00 | 1.00 |

AgeCat, age category; Educ2, some primary education (<7 y); Educ3, completed primary education (7 y); Educ4, completed high school (12 y); Educ5, post school education.