**Supplementary file Table 4: Distribution of categorised cognitive scores**

1. **Changes in categories of cognition (in %)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Age 11 cognitive scores | Age 50 cognitive scores | | |  |
| Below mean | Mean | Above mean | **Total** |
| Below mean | 47.4 | 35.9 | 16.8 | 28.3 |
| Mean | 31.6 | 41.8 | 26.6 | 35.2 |
| Above mean | 17.7 | 37.7 | 44.7 | 36.5 |
| **Total** | 31.0 | 38.6 | 30.4 |  |

1. **Changes in levels of cognitive ability between age 11 and 50**

|  |  |  |
| --- | --- | --- |
|  | N | % |
| Deterioration by 2 levels | 523 | 6.4 |
| Deterioration by 1 level | 2,022 | 24.9 |
| The same level | 3,611 | 44.4 |
| Improvement by 1 level | 1,587 | 19.5 |
| Improvement by 2 levels | 386 | 4.8 |
| N | 8,129 | 100.00 |

Cognitive ability was categorised into ‘below mean’, ‘mean’ and ‘above mean’ for both ages.