**Supplementary table 3: Trend testing for BMI rise and decline by age for overweight (P85-95%), obese (≥ P95%) and underweight (<P5%) BMI values by WHO criteria.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Age at BMI peak** | **Rise** | | **Decline** | |
| **Males** |  | chi | p | chi | P |
| **Total** | Year 7 | 107.3 | <0.0001 | 60.2 | <0.0001 |
| **State schools** | Year 6 | 60.0 | <0.0001 | 31.4 | <0.0001 |
| **Church schools** | Year 7 | 42.3 | <0.0001 | 31.7 | <0.0001 |
| **Independent schools** | Year 5 | 11.1 | 0.0008 | 17.6 | <0.0001 |
| **Females** |  | chi | p | chi | P |
| **Total** | Year 7 | 128.6 | <0.0001 | 10.7 | 0.001 |
| **State schools** | Year 8 | 84.2 | <0.0001 | 10.4 | 0.001 |
| **Church schools** | Year 7 | 29.2 | <0.0001 | 3.6 | 0.06 |
| **Independent schools** | Year 7 | 7.5 | 0.006 | 1.1 | 0.3 |

Footnote: chi values are chi squared for trend