**S2 Table. Naming of the body mass index trajectory groups.**

|  |  |  |  |
| --- | --- | --- | --- |
| Trajectory groups | Body mass index status in different life period | Unique name | Abbreviations |
| Childhood (age 6-17) | Adulthood (age 18-44) | Midlife (age 45-59) | Late life (age ≥60) |
| Class 1 | Normal | Normal | Normal | Normal | Normal- Stable | N-S |
| Class 2 | Low normal | Normal | Normal | Normal | Low normal-Normal- Stable | Ln-N-S |
| Class 3 | Overweight | Overweight | Obese | Obese  | Overweight-Obese | Ov-Ob |
| Class 4 | Low normal | Normal | Overweight | Overweight | Low normal-Normal-Overweight | Ln-N-Ov |