

## Supplemental Files

**Supplementary Table S1.** Summary of Model Screening using a Group-based Trajectory Model of FPG among Older Adults in China, 2018-2020 (N=7,079)

| Model/No. of Trajectory Groups | BIC      | $2*\Delta(\text{BIC}_{ij})$ |
|--------------------------------|----------|-----------------------------|
| 1                              | 21456.37 | (Baseline)                  |
| 2                              | 25659.30 | 8405.86                     |
| 3                              | 26561.24 | 1803.88                     |
| 4                              | 26975.65 | 828.82                      |
| 5                              | 27285.32 | 619.34                      |
| 6                              | 27597.30 | 623.96                      |

*Note:* The 3-group model turn out to be the optimal, with lower BIC (26561.24) and smaller incremental change ( $2*\Delta(\text{BIC}_{ij})=1803.88$ ). BIC=Bayesian Information Criterion.

**Supplemental Table S2.** Related parameters of the Three-group Trajectory Model of FPG among Older Adults in China, 2018-2020 (N=7,079)

| Group        | Parameter | Estimate | Standard Error | T value | <i>P</i> |
|--------------|-----------|----------|----------------|---------|----------|
| Low-level    | Intercept | 0.741    | 0.003          | 214.445 | <0.001   |
|              | Linear    | -0.017   | 0.004          | -4.268  | <0.001   |
|              | Quadratic | 0.004    | 0.001          | 3.974   | <0.001   |
| Medium-level | Intercept | 0.871    | 0.008          | 103.662 | <0.001   |
|              | Linear    | -0.037   | 0.009          | -4.079  | <0.001   |
|              | Quadratic | 0.012    | 0.002          | 5.167   | <0.001   |
| High-level   | Intercept | 0.892    | 0.020          | 44.525  | <0.001   |
|              | Linear    | 0.120    | 0.025          | 4.752   | <0.001   |
|              | Quadratic | -0.029   | 0.006          | -4.584  | <0.001   |