

Supplemental table 1. Variables classification of gastric cancer survey in Xianyou county

| Variables | Definition |
|-----------------------------------------------------|----------------------------------------|
| Age (year) | <60=1, [60,65)=2, [65,70)=3, ≥70=4 |
| BMI | <18.5=1, [18.5,24)=2, [24,28)=3, ≥28=4 |
| H. Pylori infection | No=0 Yes=1 |
| Family history of gastric cancer | No=0 Yes=1 |
| Chronic atrophic gastritis | No=0 Yes=1 |
| Formal or primary education | No=0 Yes=1 |
| Occupation of farmer | No=0 Yes=1 |
| Married or living with a partner | No=0 Yes=1 |
| Socioeconomic status over ten years ago | Low (≤2000)=1, High (>2000)=2 |
| Socioeconomic status of now | Low (≤3000)=1, High (>3000)=2 |
| Smoking | No=0 Yes=1 |
| Alcohol intake | No=0 Yes=1 |
| Consumption of green tea | No=0 Yes=1 |
| Eating quickly | No=0 Yes=1 |
| Irregular eating | No=0 Yes=1 |
| Consumption of very hot food | No=0 Yes=1 |
| Consumption of very hard food | No=0 Yes=1 |
| Consumption of very salty food | No=0 Yes=1 |
| Consumption of very spicy food | No=0 Yes=1 |
| Consumption of vinegar | No=0 Yes=1 |
| Omission of breakfast | No=0 Yes=1 |
| Consumption of pickled vegetable over three decades | No=0 Yes=1 |
| Overeating | No=0 Yes=1 |
| Working after eating immediately | No=0 Yes=1 |
| Family disharmony | No=0 Yes=1 |
| Mental stimulation or trauma | No=0 Yes=1 |