

Supplementary Table 1. Data Provided by National Health Insurance System

Category	Explanation
BFC	
Individual ID	
Sex	1 (men)/2 (women)
Insurance 20 tile	0 (lowest) - 20 (highest)
T40	
Common key	
Disease code	ICD10 code
Questionnaires and Laboratory examinations of National General Health Examination	
Chronic disease and medication history	
Heart disease	0 (no)/1 (yes)
Cerebrovascular disease	0 (no)/1 (yes)
Hypertension	0 (no)/1 (yes)
Diabetes	0 (no)/1 (yes)
Hyperlipidemia	0 (no)/1 (yes)
Smoking & alcohol	
Smoking status	1 (no)/2 (past)/3 (current)
Drinking status (frequency/week)	0~7
Laboratory examination contents	
Waist circumference/body mass index	Continuous variables
Blood pressure (systolic/diastolic)	Continuous variables
Fasting glucose/lipid	Continuous variables

T40 includes all the disease codes used in the claims process by the medical clinic whenever patients visit any type of clinic.

BFC, the base one foundation component library; ICD10, international classification of disease.