

Supplementary Table 1. Definitions of comorbidities and outcomes

| | ICD-10 codes with additional definitions | | Health examinations results |
|-----------------------|------------------------------------------|-----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| Hypertension | I10–I13, I15 | Admission ≥ 1 or outpatient clinic ≥ 2 , and prescription of anti-hypertensive drug | Systolic blood pressure, ≥ 140 mmHg or diastolic blood pressure, ≥ 90 mmHg |
| Diabetes mellitus | E11–E14 | Admission ≥ 1 or outpatient clinic ≥ 2 , and prescription of anti-diabetic drugs | Fasting blood glucose, ≥ 26 mg/dL |
| Dyslipidemia | E78 | Admission or outpatient department ≥ 1 , and prescription of lipid-lowering medication | Fasting total cholesterol, ≥ 240 mg/dL |
| Renal dysfunction | | | eGFR, < 60 mL/min/1.73 m ² |
| Stroke | I63, I64 | During admission | Brain MRI or CT |
| Myocardial infarction | I21, I22 | During admission | |

CT, computed tomography; eGFR, glomerular filtration rate; ICD-10, International Classification of Diseases, 10th edition; MRI, magnetic resonance image.