### Supplementary Table 1: Comorbidities and complications collected in this study

| Diseases                        | Classification                                                                 | ICD-9 | ICD-10  |
|---------------------------------|--------------------------------------------------------------------------------|-------|---------|
| Coronary artery disease         | Acute myocardial infarction                                                    | 410   | I21, I22, I23 |
|                                 | Other acute and subacute forms of ischemic heart disease                       |       |         |
|                                 | ischemic heart disease                                                         | 411   | I24     |
|                                 | Angina pectoris                                                                | 413   | I20     |
|                                 | Chronic ischemic heart disease                                                 | 414   | I25     |
| Heart failure                   | Heart failure                                                                  | 428   | I50     |
| Hypertensive disease            | Hypertensive disease                                                           | 401-405 | I10-I16 |
| Cerebrovascular Disease         | Ischemic stroke                                                                | 433-436, | I63-I66, |
|                                 |                                                                                 | 437.0, 437.1 | I67.2, I67.3, I67.6, I67.81, I67.82, I67.9 |
| Peripheral artery disease       | Atherosclerosis (of arteries, arterioles, and capillaries)                      | 440   | I70     |
|                                 | Diabetes with peripheral circulatory disorders                                  | 250.7 | E11.5   |
|                                 | Peripheral angiopathy in diseases classified elsewhere                          | 443.81 |         |
| Chronic                         | Diabetes with renal manifestations                                            | 250.4, | E11.2   |
| microvascular diabetic complications | Chronic renal failure | 585 | N18 |
|-------------------------------------|-----------------------|-----|-----|
| Renal failure, unspecified          | 586                   | N19 |
| Diabetes with ophthalmic manifestations | 250.5                |     |
| Diabetic retinopathy               | 362.0                 |     |
| Other background retinopathy and retinal vascular changes | 362.1 | H35.0 |
| Cystoid macular degeneration       | 362.53                | H35.35 |
| (Cystoid macular edema)            |                       |     |
| Retinal hemorrhage                 | 362.81                | H35.6 |
| Retinal exudates and deposits      | 362.82                | H35.89, |
|                                   |                       | H35.9 |
| Retinal edema                      | 362.83                | H35.81 |
| Retinal ischemia                   | 362.84                | H35.82 |
| Retinal detachment and defects     | 361                   | H33  |
| Blindness and low vision           | 369                   | H54  |
| Vitreous hemorrhage                | 379.23                | H43.1 |
| Diabetes with neurological         | 250.6                 | E11.4 |
| manifestations                      |                       |     |
| Polyneuropathy in diabetes         | 357.2                 | G90.0 |
| Idiopathic peripheral autonomic neuropathy | 337.0 | G90.01 |
| Carotid sinus syncope or syndrome |                       | G90.8, |
|                                    |                       | G90.9 |
| Peripheral autonomic neuropathy    | 337.1                 | G99.0 |
| Diagnosis                                                                 | Code   |
|--------------------------------------------------------------------------|--------|
| in disorders classified elsewhere                                        | G56    |
| Mononeuritis of upper limb and mononeuritis multiplex                    | 354    |
| Mononeuritis of lower limb and unspecified site                          | 355    |
| Unspecified hereditary and idiopathic peripheral neuropathy              | 356.9  |
| Myasthenic syndromes in diseases classified elsewhere                    | 358.1  |
| Orthostatic hypotension                                                  | 458.0  |
| Gastroparesis                                                            | 536.3  |
| Functional diarrhea                                                      | 564.5  |
| Neurogenic bladder NOS                                                   | 596.54 |
| Arthropathy associated with neurological disorders, Charcot's joint      | 713.5  |
| Injury to oculomotor nerve                                               | 951.0  |
| Injury to trochlear nerve                                                | 951.1  |
| Injury to abducens nerve                                                 | 951.3  |
| Diabetes with skin complications                                         | E11.62 |
| Gangrene                                                                 | 785.4  |
| Ulcer of heel and midfoot: Plantar surface of midfoot                    | 707.14 |
| Ulcer of other part of foot: Toes                                        | 707.15 |

G56
G57
G60.9
G73.3
I95.1
K31.84
K59.1
N31.9
E11.61
M14.6
S04.1
S04.2
S04.4
E11.62
I96
L97.4 (heel and midfoot)
L97.5 (other part of foot)
| Chronic ulcer of other specified sites (lower limbs) | 707.8 | L97.8 (other part of lower leg) |
|---------------------------------------------------|-------|-------------------------------|
| Chronic ulcer of unspecified site (lower limbs)   | 707.9 | L97.9                          |