Supplementary Table 1: Study definitions of mental and physical health conditions using Healthcare Cost and Utilization Project (HCUP) Beta Multilevel Clinical Classification Software (CCS) or specific International Classification of Diseases, 10th edition (ICD-10) diagnosis codes

| Condition                       | HCUP CCS Level(s) | ICD-10 Code          |
|---------------------------------|-------------------|----------------------|
| **Physical Health**             |                   |                      |
| Metabolic Disorders             |                   |                      |
| Diabetes                        | 3.2-3.3           | E66.XX               |
| Obesity                         |                   |                      |
| Thyroid Disorders               | 3.1               |                      |
| Menopausal Disorders            |                   | E28.31, N95          |
| Cancer                          |                   | 2                    |
| Nervous System Diseases         |                   |                      |
| Epilepsy                        | 6.4               | G20                  |
| Parkinson's Disease             |                   | G35                  |
| Multiple Sclerosis              |                   |                      |
| Circulatory Conditions          |                   |                      |
| Hypertension                    | 7.1               |                      |
| Heart Disease                   | 7.2               |                      |
| Cerebrovascular Disease         | 7.3               |                      |
| Respiratory Conditions          |                   |                      |
| Respiratory Infections          | 8.1               |                      |
| COPD                            | 8.2               |                      |
| Asthma                          | 8.3               |                      |
| Other (e.g., Pleurisy, Respiratory Failure) | 8.4-8.9 | |
| Gastrointestinal (GI) Conditions |                   |                      |
| Upper or Lower GI Disorders     | 9.4, 9.6          |                      |
| Other (e.g., Gastroenteritis, Constipation) | 9.11, 9.12 | |
| Musculoskeletal                 |                   |                      |
| Arthritis                       | 13.1, 13.2        |                      |
| Back Conditions<sup>a</sup>     | 13.3              |                      |
| Osteoporosis                    | 13.4              |                      |
| Injuries                        |                   |                      |
| Fractures                       | 16.2              |                      |
| Poisoning                       | 16.11             |                      |
| **Mental Health**               |                   |                      |
| Mood Disorders                  | 5.8               |                      |
| Anxiety Disorders               | 5.2               |                      |
| Personality Disorders           | 5.9               |                      |
| Suicidality or Intentional Self-Injury | 5.13 | |
| Substance Use Disorders                  | 5.11, 5.12 |
| Schizophrenia and Psychotic Disorders    | 5.10       |
| Cognitive Disorders<sup>b</sup>           | 5.4        |
| Sleep Disorders                          |            |
| Attention Deficit Disorders              | F51.XX     |
|                                         | F90.XX     |

<sup>a</sup>Includes delirium, dementia, amnesia, and “other” cognitive disorders  
<sup>b</sup>Includes spondylosis, intervertebral disc disorders and “other” back problems

Abbreviations: COPD = Chronic obstructive pulmonary disease  
Additional information about the HCUP Beta Multilevel CCS for ICD-10 can be located on HCUP’s website: [https://www.hcup-us.ahrq.gov/toolssoftware/ccs10/ccs10.jsp](https://www.hcup-us.ahrq.gov/toolssoftware/ccs10/ccs10.jsp)