**Additional file 1: Table S1. Characteristics of sepsis patients and propensity score-matched non-sepsis patients**

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| --- | --- | --- | --- |
| **Characteristics** | **Sepsis patients****N= 41,251** | **Matched non-sepsis patients****N= 41,251** | **Standardized difference** |
| **Demographics** |   |   |   |
|  Male sex | 24436 (59.24%) | 24436 (59.24%) | 0 |
|  Age, year | 67.7373±17.7265 | 67.9495±17.5945 | -0.01 |
| **Comorbidity %** |   |   |   |
|  Myocardial infarction | 2437 (5.91%) | 2446 (5.93%) | -0.0009 |
|  Congestive heart failure | 10268 (24.89%) | 10453 (25.34%) | -0.01 |
|  Peripheral vascular disease | 4718 (11.44%) | 5046 (12.23%) | -0.02 |
|  Cerebrovascular disease | 15631 (37.89%) | 15058 (36.5%) | 0.03 |
|  Dementia | 5460 (13.24%) | 5112 (12.39%) | 0.03 |
|  Chronic pulmonary disease | 22027 (53.4%) | 22460 (54.45%) | -0.02 |
|  Rheumatologic disease | 1721 (4.17%) | 2048 (4.96%) | -0.04 |
|  Peptic ulcer disease | 20562 (49.85%) | 21538 (52.21%) | -0.05 |
|  Mild liver disease | 16160 (39.17%) | 16877 (40.91%) | -0.04 |
|  Diabetes without chronic complications | 15495 (37.56%) | 15210 (36.87%) | 0.01 |
|  Diabetes with chronic complications | 6947 (16.84%) | 6914 (16.76%) | 0.002 |
|  Hemiplegia or paraplegia | 4191 (10.16%) | 4384 (10.63%) | -0.02 |
|  Renal disease | 7960 (19.3%) | 8176 (19.82%) | -0.01 |
|  Any malignancy, including  leukemia and lymphoma | 8469 (20.53%) | 8060 (19.54%) | 0.02 |
|  Moderate or severe liver disease | 1449 (3.51%) | 1032 (2.5%) | 0.06 |
|  Metastatic solid tumor | 2041 (4.95%) | 2061 (5%) | -0.002 |
|  AIDS/HIV | 63 (0.15%) | 63 (0.15%) | 0 |

Caption: *Summary and comparison of the demographics and underlying comorbidities of the sepsis cohort and the non-sepsis cohort. Abbreviations: MI, myocardial infarction; AIDS/HIV, acquired immune deficiency syndrome/human immunodeficiency virus*