**eTable 2. ICD-10 Codes for St. Germaine-Smith Comorbidities**

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| Congestive Heart Failure | ICD-9: 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425.4, 425.5, 425.7, 425.8, 425.9, 428%ICD-10: I09.81, I09.9, I11.0, I13.0, I13.2, I25.5, I42.0, I42.5, I42.6, I42.7, I42.8, I42.9, I43%, I50%, P29.0 |
| Peripheral Vascular Disease | ICD-9: 093.0, 437.3, 440%, 441%, 443.1, 443.2%, 443.8%, 443.9, 447.1, 557.1, 557.9, V43.4ICD-10: I70%, I71%, I73.1, I73.8, I73.9, I77.1, I79.0, I79.2, K55.1, K55.8, K55.9, Z95.8, Z95.9 |
| Moderate or Severe Renal Disease | ICD-9: 403.01, 403.11, 403.91, 404.02, 404.03, 404.12, 404.13, 404.92, 404.93, 582%, 583%, 585%, 586%, 588.0, V42.0, V45.1, V56ICD-10: I12.0, I13.1, N03.2, N03.3, N03.4, N03.5, N03.6, N03.7, N05.2, N05.3, N05.4, N05.5, N05.6, N05.7, N18%, N19%, N25.0, Z49.0, Z49.1, Z49.2, Z94.0, Z99.2 |
| Moderate or Severe Liver Disease | ICD-9: 456.0, 456.1, 456.2, 572.2, 572.3, 572.4, 572.8ICD-10: I85.0, I85.9, I86.4, I98.2, K70.4, K71.1, K72.1, K72.9, K76.5, K76.6, K76.7 |
| Metastatic cancer | ICD-9 : 196%, 197%, 198%, 199%ICD-10 : C77%, C78%, C79%, C80% |
| Brain Tumor | ICD-9 : 191%, 192%, 194.3, 194.4, 200.5, 225.0, 225.1, 225.2, 225.8, 225.9, 227.3, 227.4, 237.0, 237.1, 237.5, 237.6, 237.7, 237.9, 239.6ICD-10 : C70%, C71%, C72%, C75.1, C75.2 C75.3, D33.0, D33.1, D33.2, D33.7, D33.9, D35.2, D35.3, D35.4, D42.0, D42.9, D43.0, D43.1, D43.2, D43.3, D43.7, D43.9, D44.3, D44.4, D44.5 |
| Solid Tumor without Metastasis | ICD-9: 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157 ,158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 193, 194.0, 194.1, 194.5, 194.6, 194.8, 194.9, 195ICD-10 : C00%, C01%, C02%, C03%, C04%, C05%, C06%, C07%, C08%, C09%, C10%, C11%, C12%, C13%, C14%, C15%, C16%, C17%, C18%, C19%, C20%, C21%, C22%. C23%. C24%. C25%, C26%, C30%, C31%, C32%, C33%, C34%, C37%, C38%, C39%, C40%, C41%, C43%, C45%, C46%, C47%, C48%, C49%, C50%, C51%, C52%, C53%, C54%, C55%, C56%, C57%, C58%, C60%, C61%, C62%, C63%, C64%, C65%, C66%, C67%, C68%, C69%, C73%, C74%, C75% C76%, C97 |
| Paraplegia and Hemiplegia | ICD-9: 334.1, 342.0, 342.1, 342.8, 342.9, 344.0, 344.1, 344.2, 344.3, 344.4, 344.5, 344.6, 344.9ICD-10: G81.%, G82.%, G04.1, G11.4, G83.0, G83.1, G83.2, G83.3, G83.4, G83.9 |
| Aspiration Pneumonia | ICD-9: 507.0ICD-10 : J69.0 |
| Dementia | ICD-9: 290%, 294.1, 331.2ICD-10: F00%, F01%, F02%, F03%, F05, G30%, G31.1 |
| Pulmonary Circulation Disorders | ICD-9: 415.0, 415.1, 416%, 417.0, 417.8, 417.9ICD-10: I26%, I27%, I28.0, I28.8, I28.9 |
| Cardiac Arrhythmias | ICD-9: 426.0, 426.13, 426.7, 426.9, 426.10, 426.12, 427.0, 427.1, 427.2, 427.3, 427.4, 427.6, 427.8, 427.9, 785.0, 996.01, 996.04, V45.0, V53.3ICD-10: I44.1 I44.2, I44.3, I45.6, I45.9, I47%, I48%, I49%, R00.0, R00.1, R00.8, T82.1, Z45.0, Z95.0 |
| Hypertension | ICD-9: 401%, 402%, 403%, 404%, 405%ICD-10: I10%, I11%, I12%, I13%, I15% |
| Anoxic Brain Injury | ICD-9: 348.1, 768.5, 768.6, 768.7, 768.9 ICD-10: G93.1, P21%, P91.6% |