**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, V43.4  ICD-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, V56  ICD-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, 239.6  ICD-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, 195  ICD-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, 344.9  ICD-10: G81.%, G82.%, G04.1, G11.4, G83.0, G83.1, G83.2, G83.3, G83.4, G83.9 |
| Aspiration Pneumonia | ICD-9: 507.0  ICD-10 : J69.0 |
| Dementia | ICD-9: 290%, 294.1, 331.2  ICD-10: F00%, F01%, F02%, F03%, F05, G30%, G31.1 |
| Pulmonary Circulation Disorders | ICD-9: 415.0, 415.1, 416%, 417.0, 417.8, 417.9  ICD-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, V53.3  ICD-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% |