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| **Appendix Table 2: ICD-9 Codes** | |
| **Charlson Co-morbidities** | |
| Acquired Human Immunodeficiency Virus (HIV) | 042-044 |
| Congestive Heart Failure | 402.01, 402.11, 402.91, 425-425.9, 428-428.9, 429.3, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93 |
| Cerebrovascular disease | 362.34, 430-436.9, 437-437.1, 437.9, 438.xx, 781.4x, 784.3x, 997.0x |
| Chronic lung disease | 415.0, 416.8, 416.9, 491.0, 492.0, 494.0, 496.0 |
| Diabetes | 250.0-250.39 |
| Diabetes with Complications | 250.4-250.99 |
| Mild Liver Disease | 571.2, 571.5, 571.6, 571.8, 571.9 |
| Moderate-Severe Liver Disease | 572.2-572.4, 456.0-456.29 |
| Myocardial Infarction | 412.xx |
| Peptic Ulcer Disease | 531-534, 534.0-534.91 |
| Hemiplegia, paralysis | 342-342.9, 344-344.9 |
| Peripheral vascular disease | 440-440.9, 441-441.9, 442-442.9, 443.1-443.9 |
| Renal disease | 585-586, V420-V451, V56-V569 |
| Cancer | 140-171.9, 174-195.9, 200-208.9, 273.0, 273.3, V1046 |
| Metastatic Solid Tumor | 196-199.9 |
| **Other Co-morbidities** | |
| Depression | 293.83,296.2,296.3,296.90,296.99,298.0, 300.4,301.12,309.0,309.1,311 |
| Serious Mental Illness | Schizoaffective disorder: 295.0, 295.1, 295.2, 295.3, 295.4, 295.6, 295.7, 295.8, 295.9  Bipolar: 296.0,296.1,296.4,296.5,296.6,296.7, 296.8, 297.0, 297.1, 297.2, 297.3, 297.8, 297.9, 298.0, 298.1,298.2, 298.3, 298.4, 298.8, 298.9 |
| Alcohol Use | V113.x, V791.x, 291.0-291.9, 303.0-303.9 |
| Dementia | 290-290.9, 331-331.2 |
| Musculoskeletal Disease | 710.xx-739.xx |
| Non-melanoma Skin Cancer | 173.0-173.8, 232.0-232.9 |