

## **Appendix**

International Classification of Diseases, Ninth revision, Clinical Modification (ICD-9-CM) codes  
Used to Identify Primary Diagnoses Associated with Hospitalization Events

Cardiovascular-related hospitalizations were identified by ICD-9-CM codes 410-414 (ischemic heart disease); 430-438 (cerebrovascular diseases); 426-427 (conduction disorders and dysrhythmias); 276.6, 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425, 428 (congestive heart failure); 394-398.99, 415-424, 429 (other cardiac causes); 401-405 (hypertensive heart disease); 440-459 (disease of the circulatory system).

Congestive heart failure-related hospitalizations were identified by ICD-9-CM codes 276.6, 398.91, 402.01, 402.11, 402.91, 404.01, 404.03, 404.11, 404.13, 404.91, 404.93, 425, 428.

Infection-related hospitalizations were identified by ICD-9-CM codes 038.0-038.9, 790.7-790.8 (bacteremia/viremia/septicemia); 996.62 (vascular access infection); 042, 079.53 (HIV); 730.0-730.3, 730.8, 730.9 (osteomyelitis); 390.0-392.0, 421-421.1, 422.0, 422.91-422.93, 393 (cardiac infections); 466, 491.1, 472-474.0, 475-476.1, 478.21- 478.24, 480-490, 494, 510-511, 513.0, 518.6, 519.01 (respiratory infection); 590-590.9, 595-595.4, 597-597.89, 601-601.9, 599.0, 598, 608.0, 608.4, 604-604.9, 607.1, 607.2, 616.1, 616.3-616.4, 616.8 (urinary tract infections); 001-139, 254.1, 320-326, 331.81, 372-372.39, 373.0-373.2, 382-382.4, 383, 386.33, 386.35, 388.60, 390, 392.9, 478.22-478.24, 478.29, 522.5, 522.7, 527.3, 528.3, 540-542, 566-567.9, 569.5, 572-572.1, 573.1-573.3, 575-575.12, 611.0, 614-616.0, 670, 680-686.9, 706.0, 711-711.9, 996.60-996.61, 996.63-996.69, 997.62, 998.5, 999.3 (other infections).

Vascular access-related hospitalizations were identified by ICD-9-CM codes 996.62 and 996.73.