**Supplemental Digital Content**

**Table.** Derivation of outcomes

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|  | Derivation |
| **Health Related Factor** | **Physician Exam** | **Patient Self-Report** | **ICD-9/Other Derivation** |
| **Hematologic** |
| Platelets <50,000 |  |  | From blood chemistries |
| White Blood Cells <3,000 |  |  | From blood chemistries |
| Hemoglobin <10g/dl |  |  | From blood chemistries |
| **Musculoskeletal**  |
| Bone, Back, or Neck Pain | ✓ | ✓ |  |
| Unusual Muscular Weakness | ✓ | ✓ |  |
| **Systemic** |
| Fever >100°F |  |  | From temperature taken at exam |
| Malaise |  | ✓ | ICD-9: 780.7 |
| **Gastrointestinal**  |
| Nausea |  | ✓ |  |
| Vomiting  |  | ✓ |  |
| Inadequate Food/Fluid Intake | ✓ | ✓ |  |
| Fecal or Urinary incontinence |  | ✓ |  |
| **Cardiovascular** |
| Chest Pain  | ✓ |  |  |
| Pulse >100 or <50 beats.min-1 |  |  | From pulse taken at exam |
| SBP >145 or <85 mmHg or DBP>95 mmHg1 |  |  | From blood pressure at exam |
| Irregular Pulse | ✓ | ✓ |  |
| Ankle Edema  | ✓ | ✓ | ICD-9: 782.3, 729.81 |
| **Cardiovascular Disease History** |
| Ventricular Ectopy |  |  | ICD-9: 427.89 |
| Myopericarditis |  |  | ICD-9: 428.8, 428.9 |
| Cardiomyopathy |  |  | ICD-9: 425 |
| Congestive Heart Failure |  |  | ICD-9: 428 |
| Aortic Stenosis |  |  | ICD-9: 424.1, 746.81 |
| Heart Attack |  |  | ICD-9:410, 412.0 |
| Cardiac Catheterization |  |  | Procedure Code: SHX148 |
| Coronary Angioplasty |  |  | ICD-9: 414 |
| Heart Valve Disease |  |  | ICD-9: 424 |
| **Pulmonary** |
| Dyspnea |  | ✓ |  |
| Coughing or Wheezing | ✓ | ✓ |  |
| Chest Pain with Deep Breath |  | ✓ |  |
| Asthma or Bronchospasm |  |  | ICD-9: 493 |
| **Neurologic** |
| Blurred Vision |  | ✓ |  |
| Neuropathy |  | ✓ |  |
| Concussion |  |  | ICD-9: 850 |
| **Comorbidities** |
| Hypertension |  |  | ICD-9: 401 |
| Heart Murmur |  |  | ICD-9: 785.2 |
| Unspecified Cardiac Disease |  |  | ICD-9: 429 |
| Diabetes |  |  | ICD-9: 250 |
| Arthritis |  |  | ICD-9: 714, 715 |
| Osteoporosis |  |  | ICD-9: 733 |
| COPD |  |  | ICD-9: 496 |
| Depression |  |  | ICD-9: 490, 496 |
| Obesity |  |  | ICD-9: 278 |
| Hernia |  |  | ICD-9: 553 |
| Kidney Disease |  |  | ICD-9: 585 |
| Hyperlipidemia |  |  | ICD-9: 272 |
| Hyperthyroidism |  |  | ICD-9: 242, 242.9 |
| Liver Disease |  |  | ICD-9: 571 |
| HIV/AIDS |  |  | ICD-9: 042 |
| **Implanted Medical Devices** |
| Ostomy/Stoma |  |  | Procedure Code: V44, V55.3 |
| Cardiac Pacemaker |  |  | Procedure Code: V45 |

1SBP, Systolic Blood Pressure; DBP, Diastolic Blood Pressure