Appendix Table 1: Creation of three condition-specific study cohorts

|  |  |  |  |
| --- | --- | --- | --- |
| **Condition Cohort** | **Acute Myocardial Infarction (AMI)** | **Heart Failure** | **Pneumonia** |
| **Total Index Hospitalizations (July 2009-June 2012)** | **1,071,125** | **2,312,168** | **2,326,535** |
| *Exclusions*: |  |  |  |
| Not Fee-for-service Medicare beneficiary | 242,357 | 461,487 | 394,502 |
| Not the first claim in the bundle of duplicate claims\* | 0 | 0 | 0 |
| VA observation stay | 691 | 2,387 | 1,685 |
| **Remaining index hospitalizations** | **828,077** | **1,848,294** | **1572922\*** |
| *Exclusions:* |  |  |  |
| Not the first claim in the combined claims\* | 84 | 265 | 238 |
| **Remaining unique index hospitalizations** | **827,993** | **1,848,029** | **1,572,684** |
| *Exclusions:* |  |  |  |
| Not specific to condition cohort | 28,136 | 19,105 | 384,767 |
| Lacking full year of claims history | 85,814 | 145,657 | 142,824 |
| **Remaining unique index hospitalizations with complete data** | **716,615** | **1,684,989** | **1,426,792** |
| *Patient-specific exclusions:* |  |  |  |
| Age less than 65 years | 82,259 | 195,236 | 206,161 |
| In-hospital death | 55,658 | 58,203 | 63,853 |
| Transferred out | 44,605 | 15,883 | 7,643 |
| Same day discharge | 19,729 |  |  |
| Discharged Against Medical Advice | 4,323 | 10,686 | 7,612 |
| Lacking 30-day follow up | 57,417 | 63,372 | 67,123 |
| Duplicate admissions\*\*\* | 9,469 | 115,650 | 33,530 |
| **Three-year study sample** | **525,861** | **1,290,500** | **1,111,988** |
|  |  |  |  |
| **One year study cohort (July 2011-June 2012)\*\*\*** | **172,635** | **409,066** | **358,286** |
| *Hospital-specific exclusion:* |  |  |  |
| In hospitals with less than 25 cases | 15,600 | 17,857 | 15910 |
| **Final Study Cohort** | **157,035** | **391,209** | **342,376** |

\*Total index hospitalizations over three years, subsequent hospitalizations in combined claims are excluded

\*\*Admissions within 30 days of an index admission not considered resulting in new index admission

\*\*\* Only the most recent year of data was included in this analysis to best reflect current billing guidelines and federal payment program incentives.