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| **Supplement Table 3**. Characteristics of selected studies assessing factors associated with readmission for several disease conditions. |  |
| Authors & year | Recruitment time interval | Sample size | Readmission rate (%) | Cohort details | Factors associated with 30-day readmission | readmitted vs. non-readmitted survival (months) |
| Donzé J, et al. 2013 | 2009-2010 | 10,731 | 30D: 8.5% (potential avoidable) | all patient admissions  | hemoglobin, sodium levels, admission, number of admissions, etc. | not evaluated |
| Amin EY, et al. 2013 | 2007-2011 | 5,780 | 30D: 4.9% | spinal procedures | admission, LOS, death risk, age | not evaluated |
| Schneider EB, et al. 2012 | 1986-2005 | 9,957 | 30D: 16.4% | hepato-pancreato-biliary malignancies surgeries | comorbidities, LOS | 10.9M vs. 21.3M |
| Timmers TK, et al. 2012 | 1995-2000 | 1,682 | 30D: 8.0% | surgical ICU patients | surgery, type of admission, mechanical ventilation | 70.0 vs. 42% 5yr mortality |
| Kent TS, et al. 2011 | 2001-2009 | 578 | 30D: 19.0% | pancreatic resection | complication , fistula type | 22M vs. 18M |
| Greenblatt DY, et al. 2010 | 1992-2002 | 42,348 | 30D: 11% | colectomy in adenocarcinoma | gender, race, tumor grade, emergent admission, etc. | 16% vs. 7% 1-yr mortality |
| Kim H et al. 2010 | 2006 | 124,967 | 3M 26.3% (scheduled) | diabetes patients | race, gender, income, comorbidities ,etc. | not evaluated |
| Tuggle CT, et al. 2010 | 1997-2002 | 2,127 | 30D: 8% (planned) | thyroidectomy for thyroid cancer | comorbidities, LOS, cancer stage, hospital size, complications, etc. | 18% vs. 6% 1-yr mortality |
| Reddy DM, et al. 2009 | 1992-2003 | 1,730 | 30D: 16% | pancreatectomy for pancreatic cancer | resection type and LOS | 11.8M vs. 16.5M |
| Yermilov I, et al. 2009 | 1994-2003 | 2,023 | 12M: 59.0% | pancreaticoduodenectomy for pancreas cancer | T-stage, age, comorbidities,  | 12.5M vs. 22.0M |
| Arbaje AI, et al. 2008 | 2001-2002 | 1,351 | 60D: 15.0% | community-dwelling Medicare beneficiaries | environmental and socioeconomic factors | not evaluated |
| Rathore SS, et al. 2006 | 199801999 | 25,086 | 12M: 68.0% | heart failure patients | socioeconomic status | not evaluated |
| Goodney PP, et al. 2003 | 1994-1999 | 2.5 million | 30D: 9.9%-22.2% | cardiovascular/cancer high risk procedures | adherence scores, procedure type | not evaluated |
| Ashton CM, et al. 1995 | 1987-1989 | 8,474 | 30D:8.1%-14.6% | diabetes, chronic obstructive lung disease, heart failure | adherence scores | not evaluated |
| Note: Definitions of a 30-day readmission varied across studies (i.e. potentially avoidable versus non-avoidable, planned versus unplanned). |  |
| All studies classified as retrospective. |  |  |  |  |  |
| D=days, M=months. |  |  |  |  |  |  |