

Chronic Condition Reference List

Algorithm	References Used
Acute Myocardial Infarction	Kiyota Y, Schneeweiss S, Glynn RJ, Cannuscio CC, Avorn J, Solomon DH. Accuracy of Medicare claims-based diagnosis of acute myocardial infarction: estimating positive predictive value on the basis of review of hospital records. <i>Am Heart J.</i> Jul 2004;148(1):99-104.
Alzheimer's Disease	Taylor DH, Fillenbaum GG, Ezell ME. The accuracy of Medicare claims data in identifying Alzheimer's disease. <i>J Clinical Epidemiology.</i> 2002;55:929-937.
Alzheimer's Disease and Related Disorders or Senile Dementia	Taylor DH, Fillenbaum GG, Ezell ME. The accuracy of Medicare claims data in identifying Alzheimer's disease. <i>J Clinical Epidemiology.</i> 2002;55:929-937.
Atrial Fibrillation	Gage BF, Boechler M, Doggette AL, et al. Adverse outcomes and predictors of underuse of antithrombotic therapy in medicare beneficiaries with chronic atrial fibrillation. <i>Stroke.</i> Apr 2000;31(4):822-827.
Cataract	Ellwein LB, Urato CJ. Use of eye care and associated charges among the Medicare population, 1991-98. <i>Arch Ophthalmol.</i> 2002;120:804-811.
Chronic Kidney Disease	Foley RN, Murray AM, Li S, Herzog CA, McBean AM, Eggers PW, Collins AJ. Chronic kidney disease and the risk of cardiovascular disease, renal replacement, and death in the United States Medicare population, 1998 to 1999. <i>J Am Society of Nephrology.</i> 2005, 16, 2, 489-495.
Chronic Obstructive Pulmonary Disease	1. Medstat contract with CMS 500-00-034. 2. Foley RN, Murray AM, Li S, Herzog CA, McBean AM, Eggers PW, Collins AJ. Chronic kidney disease and the risk of cardiovascular disease, renal replacement, and death in the United States Medicare population. <i>J Am Society of Nephrology.</i> 2005, 16, 2, 489-495.
Heart Failure	Rector TS, Wickstrom SL, Shah M, et al. Specificity and sensitivity of claims-based algorithms for identifying members of Medicare+Choice health plans that have chronic medical conditions. <i>Health Serv Res.</i> Dec 2004;39(6 Pt 1):1839-1857.
Diabetes	Hebert PA, et al. Identifying persons with diabetes using Medicare claims data. <i>Am J of Medical Quality.</i> 1999;14:270-277
Glaucoma	Ellwein LB, Urato CJ. Use of eye care and associated charges among the Medicare population, 1991-98. <i>Arch Ophthalmol.</i> 2002;120:804-811.
Hip/Pelvic Fracture	Virnig B. Article in print.
Ischemic Heart Disease	This algorithm has not been examined in the literature. Developed with assistance of ResDAC physician researcher.
Depression	National Committee for Quality Assurance. HEDIS 99 Technical Specifications, vol 2.
Osteoporosis	1. Shahinian VB, Kuo YF, Freeman JL, Goodwin JS. Risk of fracture after androgen deprivation for prostate cancer. <i>N Engl J Med.</i> 2005 Jan 13;352(2):154-64. 2. Krupski TL, Smith MR, Chan Lee W, Pashos CL, Brandman J, Wang Q, Botteman M, Litwin MS. Natural history of bone complications in men with prostate carcinoma initiating androgen deprivation therapy. <i>Cancer.</i> 2004 Aug 1;101(3):541-9.
RA/OA (Rheumatoid Arthritis/ Osteoarthritis)	1. Losina E., et. al. Accuracy of Medicare claims data for rheumatologic diagnoses in total hip replacement recipients, <i>Journal of Clinical Epidemiology</i> 56(6):515-9, 2003 Jun. 2. Katz JN., et. al. Utilization of rheumatology physician services by the elderly, <i>American Journal of Medicine</i> 105(4):312-8, 1998 Oct. 3. Katz JN., et. al. Sensitivity and positive predictive value of Medicare Part B physician claims for rheumatologic diagnoses and procedures, <i>Arthritis & Rheumatism</i> 40(9):1594-600, 1997 Sep.
Stroke / Transient Ischemic Attack	1. Goldstein LB. Accuracy of ICD9-CM coding for the identification of patients with acute ischemic stroke. Effect of modifier codes. <i>Stroke</i> 1998; 29: 1602-1604. 2. Tirschwell DL, Longstreth WT. Validating administrative data in stroke Research. <i>Stroke</i> 2002; 33: 2465-2470. 3. Benesch C, Witter DM, Wilder AL, Duncan PW, Samsa GP, Matchar DB. Inaccuracy of the ICD-9 CM in identifying the diagnosis of ischemic cerebrovascular disease. <i>Neurology</i> 1998; 50(1): 306.

Cancer	Cancer References for ALL Cancer Algorithms:
Female Breast Cancer, Colorectal Cancer, Prostate Cancer, Lung Cancer, Endometrial Cancer	<ol style="list-style-type: none"> 1. McClish D. Penberthy L. Using Medicare data to estimate the number of cases missed by a cancer registry: a 3-source capture-recapture model. <i>Medical Care.</i> 42(11):1111-6, 2004 Nov. 2. Nattinger AB. Laud PW. Bajorunaite R. Sparapani RA. Freeman JL. An algorithm for the use of Medicare claims data to identify women with incident breast cancer. <i>Health Services Research.</i> 39(6 Pt 1):1733-49, 2004 Dec. 3. McClish D. Penberthy L. Pugh A. Using Medicare claims to identify second primary cancers and recurrences in order to supplement a cancer registry. <i>Journal of Clinical Epidemiology.</i> 56(8):760-7, 2003 Aug. 4. Koroukian SM. Cooper GS. Rimm AA. Ability of Medicaid claims data to identify incident cases of breast cancer in the Ohio Medicaid population. <i>Health Services Research.</i> 38(3):947-60, 2003 Jun. 5. Wang PS. Walker AM. Tsuang MT. Orav EJ. Levin R. Avorn J. Finding incident breast cancer cases through US claims data and a state cancer registry. <i>Cancer Causes & Control.</i> 12(3):257-65, 2001 Apr. 6. Freeman JL. Zhang D. Freeman DH. Goodwin JS. An approach to identifying incident breast cancer cases using Medicare claims data. <i>Journal of Clinical Epidemiology.</i> 53(6):605-14, 2000 Jun. 7. Warren JL. Feuer E. Potosky AL. Riley GF. Lynch CF. Use of Medicare hospital and physician data to assess breast cancer incidence. <i>Medical Care.</i> 37(5):445-56, 1999 May. 8. Cooper GS. Yuan Z. Stange KC. Dennis LK. Amini SB. Rimm AA. The sensitivity of Medicare claims data for case ascertainment of six common cancers. <i>Medical Care.</i> 37(5):436-44, 1999 May. 9. Cooper GS. Yuan Z. Stange KC. Rimm AA. Use of Medicare claims data to measure county-level variations in the incidence of colorectal carcinoma. <i>Cancer.</i> 83(4):673-8, 1998 Aug 15.