

Supplementary Online Content

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eTable. Covariates Derived From the US Department of Veterans Affairs Corporate Data Warehouse and Used for Risk Adjustment

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable. Covariates Derived From the US Department of Veterans Affairs Corporate Data Warehouse and Used for Risk Adjustment

| Variable | Definition |
|-----------------------|--|
| Age | Structured data |
| Race | Structured data |
| Sex | Structured data |
| ASA class | Structured data |
| Emergent case | Structured data |
| Surgical specialty | Structured data |
| Procedural complexity | Structured data |
| CHF | <p><u>ICD9:</u> 4280, 4281, 42820, 42821, 42822, 42823, 42830, 42831, 42832, 42833, 42840, 42841, 42842, 42843, 4289</p> <p><u>ICD10:</u> I501, I5020, I5021, I5022, I5023, I5030, I5031, I5032, I5033, I5040, I5041, I5042, I5043, I50810, I50811, I50812, I50813, I50814, I5082, I5083, I5084, I5089, I509</p> |
| COPD | <p><u>ICD9:</u> 490, 4910, 4911, 4912, 49120, 49121, 49122, 4918, 4919, 4920, 4928, 496</p> <p><u>ICD10:</u> J40, J410, J411, J418, J42, J430, J431, J432, J438, J439, J440, J441, J449'</p> |
| Stroke | <p><u>ICD9:</u> 34660, 34661, 34662, 34663, 430, 431, 4320, 4321, 4329, 43301, 43311, 43321, 43331, 43381, 43391, 4340, 43400, 43401, 4341, 43410, 43411, 4349, 43490, 43491, 436, 99702, V1254, 4330, 43300, 4331, 43310, 4332, 43320, 4333, 43330, 4338, 43380, 4339, 43390, 4371, 4376, 4378, 4379, 4350, 4351, 4353, 4358, 4359, 438, 4380, 43810, 43811, 43812, 43813, 43814, 43819, 43820, 43821, 43822, 43830, 43831, 43832, 43840, 43841, 43842, 43850, 43851, 43852, 43881, 43882, 43889, 4389</p> <p><u>ICD10:</u> G460, G461, G462, G463, G464, G465, G466, G467, I676, I6781, I6782, I67850, G43601, G43609, G43611, G43619, I6000, I6001, I6002, I6010, I6011, I6012, I602, I6020, I6021, I6022, I6030, I6031, I6032, I604, I6050, I6051, I6052, I606, I607, I608, I609, I610, I611, I612, I613, I614, I615, I616, I618, I619, I6200, I6201, I6202,</p> |

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| | <p>I6203, I621, I629, I6300, I63011, I63012, I63013, I63019, I6302, I63031, I63032, I63033, I63039, I6309, I6310, I63111, I63112, I63113, I63119, I6312, I63131, I63132, I63133, I63139, I6319, I6320, I63211, I63212, I63213, I63219, I6322, I63231, I63232, I63233, I63239, I6329, I6330, I63311, I63312, I63313, I63319, I63321, I63322, I63323, I63329, I63331, I63332, I63333, I63339, I63341, I63342, I63343, I63349, I6339, I6340, I63411, I63412, I63413, I63419, I63421, I63422, I63423, I63429, I63431, I63432, I63433, I63439, I63441, I63442, I63443, I63449, I6349, I6350, I63511, I63512, I63513, I63519, I63521, I63522, I63523, I63529, I63531, I63532, I63533, I63539, I63541, I63542, I63543, I63549, I6359, I636, I638, I6381, I6389, I639, I6601, I6602, I6603, I6609, I6611, I6612, I6613, I6619, I6621, I6622, I6623, I6629, I663, I668, I669, R29701, R29702, R29703, R29704, R29705, R29706, R29707, R29708, R29709, R29710, R29711, R29712, R29713, R29714, R29715, R29716, R29717, R29718, R29719, R29720, R29721, R29722, R29723, R29724, R29725, R29726, R29727, R29728, R29729, R29730, R29731, R29732, R29733, R29734, R29735, R29736, R29737, R29738, R29739, R29740, R29741, R29742, I6900, I6901, I69010, I69011, I69012, I69013, I69014, I69015, I69018, I69019, I69020, I69021, I69022, I69023, I69028, I69031, I69032, I69033, I69034, I69039, I69041, I69042, I69043, I69044, I69049, I69051, I69052, I69053, I69054, I69059, I69061, I69062, I69063, I69064, I69065, I69069, I69090, I69091, I69092, I69093, I69098, I6910, I6911, I69110, I69111, I69112, I69113, I69114, I69115, I69118, I69119, I69120, I69121, I69122, I69123, I69128, I69131, I69132, I69133, I69134, I69139, I69141, I69142, I69143, I69144, I69149, I69151, I69152, I69153, I69154, I69159, I69161, I69162, I69163, I69164, I69165, I69169, I69190, I69191, I69192, I69193, I69198, I6920, I6921, I69210, I69211, I69212, I69213, I69214, I69215, I69218, I69219, I69220, I69221, I69222, I69223, I69228, I69231, I69232, I69233, I69234, I69239, I69241, I69242, I69243, I69244, I69249, I69251, I69252, I69253, I69254, I69259, I69261, I69262, I69263, I69264, I69265, I69269, I69290, I69291, I69292, I69293, I69298, I6930, I6931, I69310, I69311, I69312, I69313, I69314, I69315, I69318, I69319, I69320, I69321, I69322, I69323, I69328, I69331, I69332, I69333, I69334, I69339, I69341, I69342, I69343, I69344, I69349, I69351, I69352, I69353, I69354, I69359, I69361, I69362, I69363, I69364, I69365, I69369, I69390, I69391, I69392, I69393, I69398, I6980, I6981, I69810, I69811, I69812, I69813, I69814, I69815, I69818, I69819, I69820, I69821, I69822, I69823, I69828, I69831, I69832, I69833, I69834, I69839, I69841, I69842, I69843, I69844, I69849, I69851, I69852, I69853, I69854, I69859, I69861, I69862, I69863, I69864, I69865, I69869, I69890, I69891, I69892, I69893, I69898, I6990, I6991, I69910, I69911, I69912, I69913, I69914, I69915, I69918, I69919, I69920, I69921, I69922, I69923, I69928, I69931, I69932, I69933, I69934, I69939, I69941, I69942, I69943, I69944, I69949, I69951, I69952, I69953, I69954, I69959, I69961, I69962, I69963, I69964, I69965, I69969, I69990, I69991, I69992, I69993, I69998</p> |
| Diabetes | <p><u>ICD9:</u> 24900, 25000, 25001, 7902, 79021, 79022, 79029, 7915, 7916, V4585, V5391, V6546, 24901, 24910, 24911, 24920, 24921, 24930, 24931, 24940, 24941, 24950, 24951, 24960, 24961, 24970, 24971, 24980, 24981, 24990, 24991, 25002, 25003, 25010, 25011, 25012, 25013, 25020, 25021, 25022, 25023, 25030, 25031, 25032, 25033, 25040, 25041, 25042, 25043, 25050, 25051, 25052, 25053, 25060, 25061, 25062, 25063, 25070, 25071, 25072, 25073, 25080, 25081, 25082, 25083, 25090, 25091, 25092, 25093</p> <p><u>ICD10:</u> E089, E099, E109, E119, E139, E0801, E0810, E0811, E0821, E0822, E0829, E08321, E083211, E083212, E083213, E083219, E08329, E083291, E083293, E083299, E08331, E083311, E083313, E083319, E08339,</p> |

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| | <p>E083393, E08341, E083411, E083412, E083413, E083419, E08349, E083491, E083493, E083499, E08351, E083513, E083519, E083541, E083543, E083549, E083551, E083552, E083553, E083559, E08359, E0836, E0837X3, E0839, E0840, E0841, E0842, E0844, E0849, E0859, E08610, E08618, E08620, E08621, E08622, E08628, E08630, E08638, E08641, E08649, E0865, E0869, E088, E0901, E0910, E0911, E0921, E0922, E0929, E09311, E09319, E09321, E09329, E09331, E09339, E09341, E09349, E09351, E093551, E093553, E093559, E09359, E0936, E0939, E0940, E0941, E0942, E0944, E0949, E0951, E0952, E0959, E09610, E09618, E09620, E09621, E09622, E09628, E09630, E09638, E09641, E09649, E0965, E0969, E098, E1010, E1011, E1021, E1022, E1029, E10311, E10319, E10321, E103213, E10329, E10331, E10339, E10341, E10349, E10351, E103551, E103552, E103553, E103559, E10359, E1036, E1039, E1040, E1041, E1042, E1043, E1044, E1049, E1051, E1052, E1059, E10610, E10618, E10620, E10621, E10622, E10628, E10630, E10638, E10641, E10649, E1065, E1069, E108, E1101, E1121, E1122, E1129, E11311, E11319, E11321, E113213, E11329, E11331, E11339, E11341, E11349, E11351, E113551, E113552, E113553, E113559, E11359, E1136, E1139, E1140, E1141, E1142, E1143, E1144, E1149, E1151, E1152, E1159, E11610, E11618, E11620, E11621, E11622, E11628, E11630, E11638, E11641, E11649, E1165, E1169, E118, E1301, E1310, E1311, E1321, E1322, E1329, E13311, E13319, E13321, E133211, E133213, E133219, E13329, E133293, E13331, E133313, E13339, E13341, E133413, E133419, E13349, E13351, E133543, E133551, E133552, E133553, E133559, E13359, E1336, E1339, E1340, E1341, E1342, E1343, E1344, E1349, E1351, E1352, E1359, E13610, E13618, E13620, E13621, E13622, E13628, E13630, E13638, E13641, E13649, E1365, E1369, E138</p> <p><u>VA drug class code:</u> HS400, HS501, HS502</p> |
| Dialysis | <p><u>ICD9:</u> V451, V4511, V560, V561, V562, V5631, V5632, V568</p> <p><u>ICD10:</u> Z992, Z4931, Z4932, Z4901, Z4902</p> <p><u>CPT:</u> 90935, 90937, 90945, 90947</p> |

ICD: International Classification of Diseases

CPT: Current Procedural Terminology

ASA: American Society of Anesthesiologists classification

CHF: congestive heart failure

COPD: chronic obstructive pulmonary disease