

**Appendix 2 (as supplied by the authors): ICD Codes for Ambulatory-care-sensitive Conditions**

<b>Classification of Conditions</b>	<b>Condition</b>	<b>ICD-9 AND ICD-10-Codes</b>
<i>Chronic Conditions</i>	Asthma	<b>ICD-9 493</b> <b>ICD-10-CA J45</b>
	Angina	<b>ICD-9 411, 413</b> <b>ICD-10-CA I20, I23.82, I24.0, I24.8, I24.9</b> Excluding cases with the following surgical procedures**: CCP 01.01-01.39, 07.24, 14.01-14.83, 14.88-16.82, 16.89-21.82, 21.89-29.7, 29.82-34.81, 34.89-41.81, 41.83-43.82, 43.84-45.84, 45.88-46.88, 46.90-48.91, 48.99-50.79, 50.91-50.93, 50.96-52.81, 52.89-63.95, 63.97-64.96, 64.98-66.83, 66.89-67.84, 67.89-69.82, 69.89-71.96, 71.98-72.95, 72.97-75.81, 75.89-80.83, 80.89-88.81, 88.89-92.69, 92.80-97.82, or 97.89-98.99 CCI 1.^, 2.^, 5.^ (i.e. any procedure from CCI section 1, 2, 5)
	Heart Failure and pulmonary edema	<b>ICD-9 428, 518.4</b> <b>ICD-10-CA I50, J81, I11.0</b> Excluding cases with the following surgical procedures**: CCP 48.1, 49.5, 48.02, 48.03, 49.71, 49.72, 49.73, 49.82, 49.86 CCI 1.IJ.50, 1.IJ.57.GQ, 1.HZ.85, 1.IJ.76, 1.HB.53, 1.HD.53, 1.HZ.53, 1.HB.55, 1.HD.55, 1.HZ.55, 1.HB.54, 1.HD.54
	Convulsion & Epilepsy	<b>ICD-9 345, 780.3, 642.6</b> <b>ICD-10-CA G40, G41, R56, O15</b>
	Diabetes with complications	<b>ICD-9 250.0, 250.1, 250.2, 250.3, 250.4, 250.5, 250.6, 250.7, 250.8, 250.9</b> <b>ICD-10-CA E10.1, E10.6, E10.7, E10.9, E11.0, E11.1, E11.6, E11.7, E11.9, E13.0, E13.1, E13.6, E13.7, E13.9, E14.0, E14.1, E14.6, E14.7, E14.9</b>
	Hypertension	<b>ICD-9 401.0, 401.9, 402.0, 402.1, 402.9</b> <b>ICD-10-CA I10.0, I10.1, I11</b> Excluding cases with the following surgical procedures**: CCP 48.1, 49.5, 48.02, 48.03, 49.71, 49.72, 49.73, 49.82, 49.86 CCI 1.IJ.50, 1.IJ.57.GQ, 1.HZ.85, 1.IJ.76, 1.HB.53 1.HD.53, 1.HZ.53, 1.HB.55, 1.HD.55, 1.HZ.55,
	COPD	<b>ICD-9 491, 492, 494, 496</b> <b>ICD-10-CA J41, J42, J43, J44, J47</b>
	Pneumonia	<b>Pneumonia (only when a secondary diagnosis of COPD is present)</b> <b>ICD-9 480, 481, 482, 483, 484, 485, 486</b> <b>ICD-10-CA J12, J13, J14, J15, J16, J18</b>
	Bronchitis	<b>Acute Bronchitis (only when a secondary diagnosis of COPD is present)</b> <b>ICD-9 466.0</b> <b>ICD-10-CA J20</b>

	Anemia	<b>Iron Deficiency Anemia</b> ICD-9 280.0, 280.1, 280.8, 280.9 <b>Other deficiency anemia</b> ICD-9 281.0, 281.1, 281.2, 281.3, 281.4, 281.8, 281.9 <b>ICD-10-CA</b> D50.0, D50.1, D50.8, D50.9
<i>Vaccine-preventable conditions</i>	Diphtheria	<b>ICD-9 032</b> <b>CD-10-CA</b> A36.0, A36.1, A36.2, A36.3 A36.8, A36.9
	Hemophilus Influenza type B	<b>ICD-9</b> 320.0 <b>ICD-10-CA</b> G00.0
	Hepatitis A	<b>ICD-9</b> 070.0, 070.1 <b>ICD-10-CA</b> B15.0, B15.9
	Hepatitis B	<b>ICD-9</b> 070.2, 070.3 <b>ICD-10-CA</b> B16.0, B16.1, B16.2, B16.9
	Influenza	<b>ICD-9</b> 487 <b>ICD-10-CA</b> J10.0, J10.1, J10.8, J11.0, J11.1, J11.8
	Measles	<b>ICD-9</b> 055 <b>ICD-10-CA</b> B05.0, B05.1, B05.2, B05.3, B05.4, B05.8, B05.9
	Meningococcal disease (meningitis)	<b>ICD-9 036</b> <b>ICD-10-CA</b> A39.0, A39.1, A39.2, A39.3, A39.4, A39.5, A39.8, A39.9
	Mumps	<b>ICD-9</b> 072 <b>ICD-10-CA</b> B26.0, B26.1, B26.2, B26.3, B26.8, B26.9
	Pertussis	<b>ICD-9</b> 033 <b>ICD-10-CA</b> A37.0, A37.1, A37.8, A37.9
	Pneumococcal	<b>ICD-9</b> 038.2, 041.2, 320.1, 481, 567.1, 711.0 <b>ICD-10-CA</b> A40.3, G00.1, J13 Only counted 481 (ICD-9) and J13 (ICD-10) if COPD was not a secondary condition.
	Poliomyelitis	<b>ICD-9</b> 045 <b>ICD-10-CA</b> A80.0, A80.1, A80.2, A80.3, A80.4, A80.9
	Pulmonary/other tuberculosis	<b>ICD-9</b> 011-018 <b>ICD-10-CA</b> A15, A16, A17, A18, A19
	Rubella	<b>ICD-9</b> 056 <b>ICD-10-CA</b> B06.0, B06.8, B06.9
	Tetanus	<b>ICD-9 037</b> <b>ICD-10-CA A35</b>
<i>Acute Conditions</i>	Dental Conditions	<b>ICD-9</b> 521, 522, 523, 525, 528 <b>ICD-10-CA</b> K02, K03, K04, K05, K06, K08, K09.8, K09.9, K12, K13
	Cellulitis	<b>ICD-9</b> 681, 682, 683, 686 <b>ICD-10-CA</b> L03, L04, L08, L44.4, L88, L92.2, L98.0, L98.3 Excluding cases with the following surgical procedures ** CCI codes 1 1.RM.87, 1.RM.89, 1.RM.91, 5.CA.89.CK, 5.CA.89.DA, 5.CA.89.GB, 5.CA.89.WJ, 5.CA.89.WK
	Pelvic Inflammatory Disease	<b>ICD-9 614,</b> <b>ICD-10-CA N70, N73, N99.4</b> Exclude males and cases with a hysterectomy procedures **: CCI codes: 1 1.RM.87, 1.RM.89, 1.RM.91,

		5.CA.89.CK, 5.CA.89.DA, 5.CA.89.GB, 5.CA.89.WJ, 5.CA.89.WK
	Gastroenteritis & Dehydration	<b>ICD-9</b> 558.9, 276.5 <b>ICD-10-CA</b> K52.2, K52.8, K52.9, E86.0, E86.8
	Severe Ear, Nose and Throat (ENT) infections	<b>ICD-9</b> 382, 462, 463, 465, 472.1 <b>ICD-10-CA</b> H66, H67, J02, J03, J06, J31.2 Exclude otitis media cases with a myringotomy procedure**: CCI codes: 1.DF.53.JA-TS
<p>* "Secondary diagnosis" refers to a diagnosis other than most responsible  ** Code may be recorded in any position. Interventions coded as cancelled, previous and "abandoned after onset" are excluded</p>		