

## ICD Code Corrections Made to the Single-Level CCS

ICD Code	ICD Label	Previous CCS Category	New CCS Category	Years Affected	Impact	Precautions
<b>Diagnosis Codes</b>						
Diagnosis 41403	Coronary atherosclerosis of nonautologous biological bypass graft	101 Coronary atherosclerosis and other heart disease	237 Complication of device, implant and graft	2000-2008	Mis-assignment of ICD code 41403 to this CCS category resulted in approximately 16,905 NIS 2008 cases being miscategorized.	When using CCS 101 during the years, 2000-2008, remove cases with ICD code 41403
Diagnosis 42682	Long QT syndrome	117 Other circulatory disease	105 Conduction disorders	2005-2007	Mis-assignment of ICD code 42682 to this CCS category resulted in approximately 4,884 NIS 2007 cases being miscategorized.	When using CCS 117 during the years, 2005-2007, remove cases with ICD code 42682
Diagnosis 53530	Alcoholic Gastritis without mention of Hemorrhage	663 Screening and history of mental health and substance abuse codes	660 Alcohol-related disorders	2009-2014	Mis-assignment of this ICD-9 code to this CCS category resulted in approximately 24,100 NIS 2013 cases being miscategorized.	When using CCS 663 during the years, 2009-2013, remove cases with ICD code 53530
Diagnosis 53531	Alcoholic Gastritis with Hemorrhage	663 Screening and history of mental health and substance abuse codes	660 Alcohol-related disorders	2009-2014	Mis-assignment of this ICD-9 code to this CCS category resulted in approximately 4,385 NIS 2013 cases being miscategorized.	When using CCS 663 during the years, 2009-2013, remove cases with ICD code 53531
Diagnosis 5353	Alcoholic Gastritis	663 Screening and history of mental health and substance abuse codes	660 Alcohol-related disorders	2009-2014	No cases affected (code not used during this time frame)	When using CCS 663 during the years, 2009-2013, remove cases with ICD code 5353

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Diagnosis 53530	Alcoholic gastritis, without mention of hemorrhage	140 Gastritis and duodenitis	663 Screening and history of mental health and substance abuse codes	2008	Mis-assignment of ICD code 53530 to this CCS category resulted in approximately 19,736 NIS 2008 cases being miscategorized.	When using CCS 140 during the year 2008, remove cases with ICD code 53530
Diagnosis 53531	Alcoholic gastritis, with hemorrhage	140 Gastritis and duodenitis	663 Screening and history of mental health and substance abuse codes	2008	Mis-assignment of ICD code 53531 to this CCS category resulted in approximately 4,883 NIS 2008 cases being miscategorized.	When using CCS 140 during the year 2008, remove cases with ICD code 53531
Diagnoses 5710, 5711, 5712, and 5713	Alcohol Fatty Liver Acute Alcohol Hepatitis Alcohol Cirrhosis Liver Alcohol Liver Damage Unspecified	663 Screening and history of mental health and substance abuse codes	660 Alcohol-related disorders	2008-2013	Mis-assignment of these ICD-9 codes to this CCS category resulted in approximately 405,030 NIS 2013 cases being miscategorized.	When using CCS 663 during the years, 2008-2013, remove cases with ICD codes 5710,5711,5712,5713
Diagnosis 5851	Chron kidney dis stage I	158 Chronic Renal Failure	161 Other diseases of kidney and ureters	2005-2012	Mis-assignment of ICD code 5851 to this CCS category resulted in approximately 20,919 NIS 2010 cases being miscategorized.	When using CCS 161 during the years, 2005-2012, remove cases with ICD code 5851
Diagnosis 5852	Chron kidney dis stage II	158 Chronic Renal Failure	161 Other diseases of kidney and ureters	2005-2012	Mis-assignment of ICD code 5852 to this CCS category resulted in approximately 123,225 NIS 2010 cases being miscategorized.	When using CCS 161 during the years, 2005-2012, remove cases with ICD code 5852

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Diagnosis 76520	Unspecified weeks of gestation	219 Short gestation; low birth weight; and fetal growth retardation	218 Liveborn	2002-2007	Mis-assignment of ICD code 76520 to this CCS category resulted in approximately 1,280 NIS 2007 cases being miscategorized.	When using CCS 219 during the years, 2002-2007, remove cases with ICD code 76520
Diagnosis 76529	37 or more completed weeks of gestation	219 Short gestation; low birth weight; and fetal growth retardation	218 Liveborn	2002-2007	Mis-assignment of ICD code 76529 to this CCS category resulted in approximately 95,595 NIS 2007 cases being miscategorized.	When using CCS 219 during the years, 2002-2007, remove cases with ICD code 76529
Diagnosis 77181	Septicemia [sepsis] of newborn	224 Other perinatal conditions	2 Septicemia (except in labor)	2002-2010	Mis-assignment of ICD code 77181 to this CCS category resulted in approximately 114,225 NIS 2009 cases being miscategorized. Due to secondary Sepsis codes already present on some discharges, 113,904 discharges were reassigned to CCS 2 based on this code.	When using CCS 224 during the years, 2002-2010, remove cases with ICD code 77181
Diagnosis 79505	Cervical high risk human papillomavirus (HPV) DNA test positive	175 Other female genital disorders	9 Sexually transmitted infections (not HIV or hepatitis)	2004-2008	Mis-assignment of ICD code 79505 to this CCS category resulted in <10 NIS 2008 cases being miscategorized.	When using CCS 175 during the years, 2004-2008, remove cases with ICD code 79505
Diagnosis 9951	Angioneurotic edema, not elsewhere classified	244 Other injuries and conditions due to external causes	55 Fluid and electrolyte disorders	2001-2012	Mis-assignment of ICD code 9951 to this CCS category resulted in approximately 30,713 NIS 2010 cases being miscategorized.	When using CCS 244 during the years, 2006-2012, remove cases with ICD code 9951
Diagnoses 99591 & 99592	Sepsis & Severe Sepsis	244 Other injuries and conditions due to	2 Septicemia (except in labor)	2006-2012	Although 752,365 discharges have this code on the 2010 NIS, the vast majority of these	When using CCS 244 during the years, 2006-2012, remove

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		external causes			discharges were already assigned to CCS 2 based on other septicemia codes present (i.e., only 18,229 discharges were reassigned to CCS 2 based on these two codes).	cases with ICD codes 99591 & 99592
Diagnosis V1053	Personal history of malignant neoplasm of renal pelvis	259 Residual codes; unclassified	33 Cancer of kidney and renal pelvis	2001-2007	Mis-assignment of ICD code v1053 to this CCS category resulted in approximately 6,379 NIS 2007 cases being miscategorized.	When using CCS 259 during the years, 2001-2007, remove cases with ICD code v1053
<b>Procedure Codes</b>						
Procedure 2264	Sphenoidectomy	32 Other non-OR therapeutic procedures on nose, mouth and pharynx, and	33 Other OR therapeutic procedures on nose, mouth and pharynx	2000-2003	Mis-assignment of ICD code 2264 to this CCS category resulted in approximately 2,075 NIS 2003 cases being miscategorized.	When using CCS 32 during the years, 2000-2003, remove cases with ICD code 2264
Procedure 3979	Other endovascular procedures on other vessels	52 Aortic resection; replacement or anastomosis	61 Other OR procedures on vessels other than head and neck	2000-2009	Mis-assignment of ICD code 3979 to this CCS category resulted in approximately 30,258 NIS 2009 cases being miscategorized.	When using CCS 52 during the years, 2000-2009, remove cases with ICD code 3979
Procedure 4221	Operative esophagoscopy by incision	92 Other bowel diagnostic procedures	97 Other gastrointestinal diagnostic procedures	2000-2010	Mis-assignment of ICD code 4221 to this CCS category resulted in approximately 63 NIS 2009 cases being miscategorized.	When using CCS 92 during the years, 2000-2010, remove cases with ICD code 4221

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Procedure 4222	Esophagoscopy through artificial stoma	92 Other bowel diagnostic procedures	97 Other gastrointestinal diagnostic procedures	2000-2010	Mis-assignment of ICD code 4222 to this CCS category resulted in approximately 267 NIS 2009 cases being miscategorized.	When using CCS 92 during the years, 2000-2010, remove cases with ICD code 4222
Procedure 4225	Open biopsy of esophagus	92 Other bowel diagnostic procedures	97 Other gastrointestinal diagnostic procedures	2000-2010	Mis-assignment of ICD code 4225 to this CCS category resulted in approximately 102 NIS 2009 cases being miscategorized.	When using CCS 92 during the years, 2000-2010, remove cases with ICD code 4225
Procedure 4229	Other diagnostic procedures on esophagus	92 Other bowel diagnostic procedures	97 Other gastrointestinal diagnostic procedures	2000-2010	Mis-assignment of ICD code 4229 to this CCS category resulted in <10 NIS 2009 cases being miscategorized.	When using CCS 92 during the years, 2000-2010, remove cases with ICD code 4229
Procedure 5425	Peritoneal lavage	92 Other bowel diagnostic procedures	97 Other gastrointestinal diagnostic procedures	2000-2010	Mis-assignment of ICD code 5425 to this CCS category resulted in approximately 25,706 NIS 2009 cases being miscategorized.	When using CCS 92 during the years, 2000-2010, remove cases with ICD code 5425
Procedure 6751	Transabdominal cerclage of cervix	131 Other non-OR therapeutic procedures; female organs	141 Other therapeutic obstetrical procedures	2001-2003	Mis-assignment of ICD code 6751 to this CCS category resulted in approximately 331 NIS 2003 cases being miscategorized.	When using CCS 131 during the years, 2001-2003, remove cases with ICD code 6751
Procedure 6759	Other repair of internal cervical os	131 Other non-OR therapeutic procedures; female organs	141 Other therapeutic obstetrical procedures	2001-2003	Mis-assignment of ICD code 6759 to this CCS category resulted in approximately 7,766 NIS 2003 cases being miscategorized.	When using CCS 131 during the years, 2001-2003, remove cases with ICD code 6759
Procedure 7301	Induction of labor by artificial rupture of membranes	137 Other procedures to assist delivery	136 Artificial rupture of membranes to	2000-2004	Mis-assignment of ICD code 7301 to this CCS category resulted in approximately	When using CCS 137 during the years, 2000-2004, remove

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			assist delivery		153,563 NIS 2004 cases being miscategorized.	cases with ICD code 7301
Procedure 8145	Other repair of the cruciate ligaments	152 Arthroplasty knee	149 Arthroscopy	2000-2008	Mis-assignment of ICD code 8145 to this CCS category resulted in approximately 5,030 NIS 2008 cases being miscategorized.	When using CCS 152 during the years, 2000-2008, remove cases with ICD code 8145
Procedure 8480	Insertion or replacement of interspinous process device(s)	9 Other OR therapeutic nervous system procedures	3 Laminectomy; excision intervertebral disc	2007-2008	Mis-assignment of ICD code 8480 to this CCS category resulted in approximately 4,999 NIS 2008 cases being miscategorized.	When using CCS 9 during the years, 2007-2008, remove cases with ICD code 8480
Procedure 8481	Revision of interspinous process device(s)	148 Other fracture and dislocation procedure	3 Laminectomy; excision intervertebral disc	2007-2008	Mis-assignment of ICD code 8481 to this CCS category resulted in approximately 141 NIS 2008 cases being miscategorized.	When using CCS 148 during the years, 2007-2008, remove cases with ICD code 8481
Procedure 8483	Revision of pedicle-based dynamic stabilization device(s)	148 Other fracture and dislocation procedure	3 Laminectomy; excision intervertebral disc	2007-2008	Mis-assignment of ICD code 8483 to this CCS category resulted in <10 NIS 2008 cases being miscategorized.	When using CCS 148 during the years, 2007-2008, remove cases with ICD code 8483
Procedure 8485	Revision of facet replacement device(s)	148 Other fracture and dislocation procedure	3 Laminectomy; excision intervertebral disc	2007-2008	Mis-assignment of ICD code 8485 to this CCS category resulted in <10 NIS 2008 cases being miscategorized.	When using CCS 148 during the years, 2007-2008, remove cases with ICD code 8485