

Supplemental Table 1: Diagnosis codes for MSDs*

Condition Groupings		Ambulatory Care: OHIP diagnosis codes (ICD-9 based)†	Hospital Care: ICD-10 diagnosis codes‡
ALL MSD	Trauma and related conditions, excluding spine		
	Fracture/dislocation	807, 808, 810, 812-816, 821, 823, 824, 829, 831, 832, 834, 839	S43.0-S43.3, S53.0-S53.3, S63.0-S63.4, S73.0, S83.0-S83.1, S93.0-S93.3, S42, S52, S62, S72, S82, S92, T02.2-T02.6, T10, T12
	Strains/sprains	840, 842, 844, 845, 848	S43.4-S43.7, S53.4, S63.5-S63.7, S73.1, S83.2-S83.7, S93.4-S93.6
	Dislocations/sprains/strains	N/A	T03.2-T03.4, T11.2, T13.2
	Joint derangement	718	M22-M24
	All spinal conditions		
	Non-trauma spine	721, 722, 724, 737	M40-M43, M47, M49-M54, M48.0-M48.3, M48.8-M48.9
	Strains/sprains	847	S13.4-S13.5, S23.3, S33.5-S33.7
	Fracture/dislocation	805, 806	S13.0-S13.3, S23.0-S23.2, S33.0-S33.3, S12, S22.1, S32, T02.1, T02.7, T08,
	Dislocations/sprains/strains	N/A	T03.1
	Arthritis and related conditions		
	Rheumatoid Arthritis	714	M05 - M09
	Ankylosing spondylitis	720	M45, M46
	Connective tissue	710	M30-M36
	Osteoarthritis	715	M15-M19
	Synovitis	727	M65-M71
	Traumatic arthritis	716	M00-M03, M12
	Gout	274	M10, M11, M14
	Soft tissue disorders	728,729	M60-M63, M72-M73, M75-M77, M79
	Other arthritis	739	M13, M96, M99
	Bone Conditions	730-735	M80-M90, M91-M94, M48.4, M48.5, M20, M21.4
	Unspecified MSD	781	M21 (excluding. M21.4), M25

* MSD = Musculoskeletal Disorders

† The classification scheme used in the OHIP database is based on a subset of 3-digit codes adapted from the International Classification of Diseases, 9th Revision (ICD-9). OHIP claims include only a single diagnosis code per physician visit.

‡ Databases for hospital care (The Discharge Abstract Database, National Ambulatory Care Reporting System database) use the full range of diagnosis codes from the ICD-10. The “most responsible diagnosis” was used to identify care for MSD.