

Appendix 1: Criteria for assigning EOSS stages

COMORBIDITY	EOSS STAGES <sup>1</sup>			
	0	1	2	3
<b>LIVER DISEASE</b> <ul style="list-style-type: none"> <li>Maximum ALT and/or AST from study period</li> </ul>	Normal liver enzymes  ALT <b>OR</b> AST < 50	Elevated liver enzymes  ALT <b>OR</b> AST ≥ 50	n/a	n/a
	No record of NASH, fatty liver disease, cirrhosis	No record of NASH, fatty liver disease, cirrhosis	Diagnosis of NASH or liver disease (ICD 9: 571.8 or 571.9)	Diagnosis of cirrhosis (ICD 9: 571.5)
<b>DYSLIPIDEMIA</b> <ul style="list-style-type: none"> <li>Minimum HDL cholesterol</li> <li>Maximum LDL cholesterol, total cholesterol, triglycerides</li> </ul>	<b>HDL cholesterol</b> >1.6 mmol/L	<b>HDL cholesterol</b> Males 1.0 to 1.6 Females 1.3 to 1.6	<b>HDL cholesterol</b> Males <1.0 Females <1.3	n/a
	<b>LDL cholesterol</b> <3.4 mmol/L	<b>LDL cholesterol</b> 3.4 to 4.0 mmol/L	<b>LDL cholesterol</b> >4.0 mmol/L	
	<b>Total cholesterol</b> <5.2 mmol/L	<b>Total cholesterol</b> 5.2 to 6.1 mmol/L	<b>Total cholesterol</b> >6.1 mmol/L	
	<b>Triglycerides</b> <1.7 mmol/L	<b>Triglycerides</b> 1.7 to 2.3 mmol/L	<b>Triglycerides</b> >2.3 mmol/L	
	No statin use	No statin use	Statin use	
<b>DIABETES</b> <ul style="list-style-type: none"> <li>Maximum fasting glucose, hemoglobin A1c</li> </ul>	No CPCSSN Diabetes Diagnosis <sup>3</sup>	No CPCSSN Diabetes Diagnosis	CPCSSN Diabetes Diagnosis	n/a
	<b>Fasting glucose</b> < 5.6 mmol/L	<b>Fasting glucose</b> 5.6 to <7 mmol/L	<b>Fasting glucose</b> ≥7 mmol/L	
	<b>HbA1c</b> <6.0	<b>HbA1c</b> 6.0 to <6.5	<b>HbA1c</b> ≥ 6.5	
<b>KIDNEY DISEASE<sup>2</sup></b> <ul style="list-style-type: none"> <li>Minimum eGFR</li> <li>Maximum ACR</li> </ul>	<b>eGFR</b> ≥60 <sup>3</sup>	<b>eGFR</b> ≥45 to <60	<b>eGFR</b> 30 to <45	<b>eGFR</b> <30
	<b>Albumin Creatinine Ratio (ACR)</b> <3 mg/mmol	<b>ACR</b> 3 to 30 mg/mmol	<b>ACR</b> >30 mg/mmol	
<b>HYPERTENSION</b> <ul style="list-style-type: none"> <li>Maximum blood pressure</li> </ul>	BP<130/85*  *BP <125/75 if CPCSSN diabetes	For individuals classified as having CPCSSN diabetes, SBP 125 to 129.9 <b>OR</b> DBP 75 to 79.9	For individuals classified as having CPCSSN diabetes ≥ BP 130/80	n/a

		Otherwise, SBP 130 to 139.9 <b>OR</b> DBP 85 to 89.9	Otherwise BP 140/90 (only if no CPCSSN diabetes)	
	No CPCSSN diagnosis of hypertension <sup>3</sup>	No CPCSSN diagnosis of hypertension	CPCSSN hypertension	
<b>OSTEOARTHRITIS</b>				CPCSSN Osteoarthritis <sup>3</sup>
<b>CORONARY HEART DISEASE/CONGESTIVE HEART FAILURE</b>				ICD9- 402* ICD9 - 410* ICD9 - 411* ICD9 - 412* ICD9 - 413* ICD9 - 414.0* ICD9 - 414.8* ICD9 - 414.9* ICD9 - 429.2* ICD9 - 428*
<b>CEREBROVASCULAR DISEASE</b>				ICD9 - 430* ICD9 - 431* ICD9 - 432* ICD9 - 433* ICD9 - 434* ICD9 - 435* ICD9 - 437* ICD9 - 438*
<sup>1</sup> Padwal RJ, Pajewski NM, Allison DB, Sharma AM. Using the Edmonton obesity staging system to predict mortality in a population-representative cohort of people with overweight and obesity. 2011; CMAJ. Available from: <a href="https://doi.org/10.1503/cmaj.110387">https://doi.org/10.1503/cmaj.110387</a> <sup>2</sup> KDIGO 2013: <a href="https://www.kidney-international.org/article/S0085-2538(15)56174-7/pdf">https://www.kidney-international.org/article/S0085-2538(15)56174-7/pdf</a> <sup>3</sup> CPCSSN Case definitions available from: <a href="http://cpcssn.ca/wp-content/uploads/2019/07/CPCSSN-Case-Definitions-v2.pdf">http://cpcssn.ca/wp-content/uploads/2019/07/CPCSSN-Case-Definitions-v2.pdf</a>				