

**Supplementary Table 2.** Disease categories and diagnosis code of 28 severe illness in the NEDIS database in Korea

<b>Disease category</b>	<b>KCD-7 code</b>
<b>Myocardial infarction</b>	I210–I219
<b>Ischemic stroke</b>	I6300–I64
<b>Intracranial hemorrhage</b>	I610–I629
<b>Subdural hemorrhage</b>	I600–I609
<b>Severe trauma (2020)</b>	Based on 2011–2014 NEDIS data, the SRR was made in 2015. ICISS was calculated by multiplying the SRR of three diagnoses with the lowest SRR of all diagnoses. Trauma patients with ICISS <0.9 refer to severe trauma (ICISS_2015 <0.765, ICISS <0.9).
<b>Aortic dissection</b>	I7101–I7109, I7110–I7119, I713, I715, I718
<b>Biliary disease</b>	K8000–K8011, K8030–K8041, K8051, K819, K830, K831
<b>Surgical diagnosis</b>	K352–K353, K631, K650–K659, K661
<b>Gastrointestinal bleeding/foreign bodies</b>	I8500–I8501, I864, I983, K920–K922, K226, K2500, K2540, K2501, K2521, K2541, K2561, K260, K262, K264, K266, T181
<b>Tracheal bleeding/foreign bodies</b>	R042, R048, R049, T1740–T1799
<b>Intoxication</b>	T360–T659
<b>Perinatal disease</b>	O000–O009, O140–O159, O4200, O4201, O4209, O4210, O4211, O4219, O4220, O4221, O4229, O4290, O4291, O4299, O450–O459, O6000–O6039, O800–O809, O820–O829, O720–O723, O622
<b>Preterm/low birth weight</b>	P0700–P0739, P220–P229, P240–P249, P360–P369, P520–P529, P590–P599
<b>Major burn</b>	T3130–T3199, T2030–T2039, T2070–T2079, T213, T217
<b>Status epilepticus</b>	G410–G419
<b>Meningitis</b>	A830–A879, G000–G07
<b>Sepsis</b>	A021, A227, A241, A267, A400–A409, A410–A414, A419, A427, B007, B377
<b>Diabetic encephalopathy</b>	E1000–E1018, E1100–E1118, E1300–E1318, E1400–E1418
<b>Pulmonary embolism/deep vein thrombosis</b>	I260, I269, I802
<b>Arrhythmia</b>	I441, I442, I450–I459, I472, I480–I489, I490, I495, I498, I499
<b>Acute respiratory failure/pulmonary edema</b>	J80, J81, J850–J869, J9600–J9699
<b>Disseminated intravascular coagulation</b>	D65
<b>Intussusception/intestinal obstruction</b>	K561–K563, K565–K566

<b>Amputation</b>	S480–S489, S580–S589, S6800–S689, S780–S789, S880–S889, S980–S984, T050–T059, T060–T068, T116, T136
<b>Acute kidney injury</b>	N170–N179
<b>Ophthalmic emergency</b>	H3300–H3309, H3310–H332, H3330–H334, H3350–H3358, H340–H349, H400, H4010–H4019, H4020–H403, H404, H405, H406, H4080–H409, H420, H428
<b>Post arrest care</b>	I460–I469
<b>Urologic emergency</b>	N44, N4500–N4502, N4590–N4592

NEDIS, National Emergency Department Information System; KCD-7, Korean Standard Classification of Disease, 7th Revision; SRR, survival risk ratio; ICD-9, International Classification of Diseases, 9th Revision; ICISS, ICD-9–based Injury Severity Score.