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Supplementary	Table I	. Severe	1llness	diagnos	sis codes
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Disease category	KCD-8 code			
Myocardial infarction	I210–I219			
Ischemic stroke	I6300–I64			
Intracranial hemorrhage	I610–I629			
Subdural hemorrhage	I600–I609			
Severe trauma ^{a)}	Based on 2016–2019 NEDIS data, the SRR was made in 2023. The 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.			
Aortic dissection	I7101–I7109, I7110–I7119, I713, I715, I718			
Biliary disease	K8000–K8011, K8030–K8041, K8051, K819, K830, K831			
Surgical diagnosis	K352–K353, K631, K650–K659, K661			
GI bleeding (FB)	I850, I864, I8640, I983, K226, K2500, K2501, K2521, K2540, K2541, K2561, K260, K262, K264, K266, K920, K921, K922, T181			
Tracheal bleeding (FB)	R042, R048, R049, T174–T179			
Intoxication	T360–T659			
Perinatal disease	O000–O009, O140–O159, O4200, O4201, O4209, O4210, O4211, O4219, O4220, O4221, O4229, O4290, O4291, O4299, O450– O459, O6000–O6039, O622, O720–O723, O800–O809, O820– O829			
Premature born (low birth weight)	P0700–P0739, P220–P229, P240–P249, P360–P369, P520, P521, P5220–P5221, P523–P529, P590–P599			
Severe burn	T2030–T2039, T2070–T2079, T213, T217, T313–T319			
Status epilepticus	G410–G419			
Meningitis	A830–A879, G000–G07			
Sepsis	A021, A227, A241, A267, A400–A409, A410–A414, A419, A427, B007, B377			
Diabetic encephalopathy	E1000-E1018, E1100-E1118, E1300-E1318, E1400-E1418			
Pulmonary embolism (DVT)	1260, 1269, 1802			
Arrythmia	1441, 1442, 1450–1459, 1472, 1480–1489, 1490, 1495, 1498, 1499			
ARDS/pulmonary edema	J80, J81, J850–J869, J9600–J9699			
DIC	D65			
Intussusception/ileus	K561–K563, K565–K566			
Amputation	S480–S489, S580–S589, S6800–S689, S780–S789, S880–S889,			
L	S980–S984, T050–T059, T060–T068, T116, T136			
Acute kidney injury	N170–N179			
Ophthalmic emergency	H3300–H3309, H331, H332, H3330–H334, H335, H340–H349, H400, H4010–H4019, H4020–H4029, H403, H404, H405, H406, H408, H409, H420, H428			
Post arrest care	I460–I469			
Urologic emergency	N44, N4500–N4502, N4590–N4592			
	N44, N4500–N4502, N4590–N4592 fication of Diseases, Version 8; NEDIS, National Emergency Depart			

KCD-8, Korean Standard Classification of Diseases, Version 8; NEDIS, National Emergency Department Information System; SRR, survival risk ratio; ICISS, International Classification of Diseases, Ninth Revision-based Injury Severity Score; GI, gastrointestinal; FB, foreign body; DVT, deep vein thrombosis;

ARDS, acute respiratory distress syndrome; DIC, disseminated intravascular coagulation.

^{a)}Severe trauma was added as severe illness diagnosis code from 2020.