

SAPS 3 Admission Score

	Comments	Data definitions
ICU admission	16	Every patient gets an offset of 16 points for being admitted (to avoid negative SAPS3 Scores).
Box I		
Age, years		
<40 (default)	0	
>=40 <60	5	
>=60 <70	9	
>=70 <75	13	
>=75 <80	15	
>=80	18	
Length of stay before ICU admission, days		
<14 (default)	0	This variable is calculated from the two data fields: ICU Admission date and time - Hospital admission date and time (see Appendix C of the ESM)
>=14 <28	6	
>=28	7	
Intra-hospital location before ICU admission		
Operative room (default)	0	
Emergency room	5	
Other ICU	7	Other ICU to the data definitions in Appendix C of the ESM; Intra-hospital location before ICU admission: Intermediate Care Unit / High-dependency Unit, Other ICU, Recovery room.
Other	8	Other refers to the data definitions in Appendix C of the ESM; Intra-hospital location before ICU admission: Ward, Other.
Co-Morbidities		
Cancer therapy	3	Cancer Therapy refers to the data definitions in Appendix C of the ESM; Co-Morbidities: Chemotherapy, Immunosuppression other, Radiotherapy, Steroid treatment
Cancer	11	Cancer refers to the data definitions in Appendix C of the ESM; Co-Morbidities: Metastatic cancer.
Haematological cancer	6	Haematological cancer refers to the data definitions in Appendix C of the ESM; Co-Morbidities: Haematological cancer.
Chron. HF (NYHA IV)	6	Chron. HF (NYHA IV) refers to the data definitions in Appendix C of the ESM; Co-Morbidities: Chronic heart failure class IV NYHA
Cirrhosis	8	If a patient has both conditions he/she gets double points.
AIDS	8	If a patient has both conditions he/she gets double points.
Use of major therapeutic options before ICU admission		
Vasopactive drugs	3	
Box II		
ICU admission: Planned or Unplanned		
Planned (default)	0	
Unplanned	3	
Reason(s) for ICU admission		
Cardiovascular:		
All others (default)	0	
Rhythm disturbances *)	-5	
Hypovolemic hemorrhagic shock, Hypovolemic non-hemorrhagic shock **)	3	
Septic shock	5	
Anaphylactic shock, mixed and undefined shock	5	
Hepatic:		
All others (default)	0	
Liver failure	6	*) If both reasons for admission are present, only the worse value (-4) is scored.
Digestive:		
All others (default)	0	
Severe pancreatitis	9	***) If a patient has both conditions he/she gets double points.
Acute abdomen, Other **)	3	
Neurologic:		
All others (default)	0	
Intracranial mass effect	10	
Focal neurologic deficit	7	
Seizures *)	-4	
Coma, Stupor, Obtunded patient, Agitation, Vigilance disturbances, Confusion, Delirium	4	
Surgical status at ICU admission		
scheduled surgery (default)	0	
emergency surgery	6	
no surgery	5	No surgery refers to the data definitions in Appendix C of the ESM; Surgical Status at ICU Admission: Patient not submitted to surgery.
Anatomical site of surgery		
Transplantation surgery: Liver, Kidney, Pancreas, Kidney and pancreas, Transplantation other	-11	
Trauma - Other, isolated: (includes Thorax, Abdomen, limb); Trauma - Multiple	-8	
Cardiac surgery: CABG without valvular repair	-6	
Neurosurgery: Cerebrovascular accident	5	
All others (default)	0	
Acute infection at ICU admission		
Nosocomial	4	Nosocomial refers to the data definitions in Appendix C of the ESM; Acute infection at ICU admission - Acquisition: Hospital-acquired.
Respiratory	5	Respiratory refers to the data definition in Appendix C of the ESM; Acute infection at ICU admission - Site: Lower respiratory tract: Pneumonia, Lung abscess, other.
Box III		
Estimated GCS (lowest), points		
3-4	15	
5	10	
6	7	
7-12	2	
>=13 (default)	0	
Total bilirubin (highest), mg/dL (µmol/L)		
<2 mg/dL (<34.2 µmol/L) (default)	0	
>=2 <6 mg/dL (>=34.2 < 102.6 µmol/L)	4	
>=6 mg/dL (>=102.6 µmol/L)	5	
Body temperature (highest), Degrees Celsius		
<35	7	
>=35 (default)	0	
Creatinine (highest), mg/dL (µmol/L)		
<1.2 mg/dL (<106.1 µmol/L) (default)	0	
>=1.2 < 2 mg/dL (>=106.1 <176.8 µmol/L)	2	
>=2 <3.5 mg/dL (>=176.8 <309.4 µmol/L)	7	
>=3.5 mg/dL (>=309.4 µmol/L)	8	
Heart rate (highest), beats/minute		
<120 (default)	0	
>=120 <160	5	
>=160	7	
Leukocytes (lowest), G/L		
<15 (default)	0	
>=15	2	
Hydrogen ion concentration (lowest), pH		
<7.25	3	
>7.25 (default)	0	
Platelets (lowest), G/L		
<20	13	
>=20 <50	8	
>=50 <100	5	
>=100 (default)	0	
Systolic blood pressure (lowest), mm Hg		
<40	11	PaO2, FIO2 refer to the data definitions in Appendix C of the ESM; Arterial oxygen partial pressure (lowest), Inspiratory oxygen concentration.
>=40 <70	8	
>=70 <120	3	
>=120 (default)	0	
Oxygenation		
PaO2/FIO2 <100 and MV	11	MV refers to the data definition in Appendix C of the ESM; Ventilatory support and mechanical ventilation.
PaO2/FIO2 >=100 and MV	7	
PaO2 <60 and no MV	5	
PaO2 >=60 and no MV (default)	0	