1. **encounter\_id :** Unique identifier associated with a patient unit stay
2. **patient\_id:** Unique identifier associated with a patient
3. **hospital\_id:** Unique identifier associated with a hospital
4. **age:** The age of the patient on unit admission
5. **bmi:** The body mass index of the person on unit admission
6. **elective\_surgery:** Whether the patient was admitted to the hospital for an elective surgical operation
7. **ethnicity:** The common national or cultural tradition which the person belongs to
8. **gender:** Sex of the patient
9. **height:** The height of the person on unit admission
10. **icu\_admit\_source:** The location of the patient prior to being admitted to the unit
11. **icu\_id:** unique identifier for the unit to which the patient was admitted
12. **icu\_stay\_type:** string
13. **icu\_type:** A classification which indicates the type of care the unit can provide
14. **pre\_icu\_los\_days:** The length of stay of the patient between hospital admission and unit admission
15. **weight:** The weight (body mass) of the person on unit admission
16. **apache\_2\_diagnosis:** The APACHE II diagnosis for the ICU admission
17. **apache\_3j\_diagnosis:** The APACHE III-J sub-diagnosis code which best describes the reason for the ICU admission
18. **apache\_post\_operative:** The APACHE operative status; 1 for post-operative 0 for non-operative
19. **arf\_apache:** Whether the patient had acute renal failure during the first 24 hours of their unit stay defined as a 24-hour urine output <410ml creatinine >=133 micromol/L and no chronic dialysis
20. **gcs\_eyes\_apache:** The eye-opening component of the Glasgow Coma Scale measured during the first 24 hours which results in the highest APACHE III score
21. **gcs\_motor\_apache:** The motor component of the Glasgow Coma Scale measured during the first 24 hours which results in the highest APACHE III score
22. **gcs\_unable\_apache:** Whether the Glasgow Coma Scale was unable to be assessed due to patient sedation
23. **gcs\_verbal\_apache:** The verbal component of the Glasgow Coma Scale measured during the first 24 hours which results in the highest APACHE III score
24. **heart\_rate\_apache:** The heart rate measured during the first 24 hours which results in the highest APACHE III score
25. **intubated\_apache:** Whether the patient was intubated at the time of the highest scoring arterial blood gas used in the oxygenation score
26. **map\_apache:** The mean arterial pressure measured during the first 24 hours which results in the highest APACHE III score
27. **resprate\_apache:** The respiratory rate measured during the first 24 hours which results in the highest APACHE III score
28. **temp\_apache:** The temperature measured during the first 24 hours which results in the highest APACHE III score
29. **ventilated\_apache:** Whether the patient was invasively ventilated at the time of the highest scoring arterial blood gas using the oxygenation scoring algorithm including any mode of positive pressure ventilation delivered through a circuit attached to an endo-tracheal tube or tracheostomy
30. **d1\_diasbp\_max:** The patients highest diastolic blood pressure during the first 24 hours of their unit stay either non-invasively or invasively measured
31. **d1\_diasbp\_min:** The patients lowest diastolic blood pressure during the first 24 hours of their unit stay either non-invasively or invasively measured
32. **d1\_diasbp\_noninvasive\_max:** The patients highest diastolic blood pressure during the first 24 hours of their unit stay non-invasively measured
33. **d1\_diasbp\_noninvasive\_min:** The patients lowest diastolic blood pressure during the first 24 hours of their unit stay non-invasively measured
34. **d1\_heartrate\_max**: The patients highest heart rate during the first 24 hours of their unit stay
35. **d1\_heartrate\_min:** The patients lowest heart rate during the first 24 hours of their unit stay
36. **d1\_mbp\_max:** The patients highest mean blood pressure during the first 24 hours of their unit stay either non-invasively or invasively measured
37. **d1\_mbp\_min:** The patients lowest mean blood pressure during the first 24 hours of their unit stay either non-invasively or invasively measured
38. **d1\_mbp\_noninvasive\_max:** The patients highest mean blood pressure during the first 24 hours of their unit stay non-invasively measured
39. **d1\_mbp\_noninvasive\_min:** The patients lowest mean blood pressure during the first 24 hours of their unit stay non-invasively measured
40. **d1\_resprate\_max:** The patient’s highest respiratory rate during the first 24 hours of their unit stay
41. **d1\_resprate\_min:** The patients lowest respiratory rate during the first 24 hours of their unit stay
42. **d1\_spo2\_max:** The patients highest peripheral oxygen saturation during the first 24 hours of their unit stay
43. **d1\_spo2\_min:** The patients lowest peripheral oxygen saturation during the first 24 hours of their unit stay
44. **d1\_sysbp\_max:** The patients highest systolic blood pressure: urging the first 24 hours of their unit stay either non-invasively or invasively measured
45. **d1\_sysbp\_min:** The patients lowest systolic blood pressure: urging the first 24 hours of their unit stay either non-invasively or invasively measured
46. **d1\_sysbp\_noninvasive\_max:** The patient: highest systolic blood pressure during the first 24 hours of their unit stay invasively measured
47. **d1\_sysbp\_noninvasive\_min:** The patient: lowest systolic blood pressure during the first 24 hours of their unit stay invasively measured
48. **d1\_temp\_max:** The patient’s highest core temperature during the first 24 hours of their unit stay invasively measured
49. **d1\_temp\_min:** The patients lowest core temperature during the first 24 hours of their unit stay
50. **h1\_diasbp\_max:** The patients highest diastolic blood :pressure during the first hour of their unit stay either non-invasively or invasively measured
51. **h1\_diasbp\_min:** The patients lowest diastolic blood :pressure during the first hour of their unit stay either non-invasively or invasively measured
52. **h1\_diasbp\_noninvasive\_max:** The patient’s highest diastolic blood pressure during the first hour of their unit stay invasively measured
53. **h1\_diasbp\_noninvasive\_min:** The patient’s lowest diastolic blood pressure during the first hour of their unit stay invasively measured
54. **h1\_heartrate\_max:** The patients highest heart rate during the first hour of their unit stay
55. **h1\_heartrate\_min:** The patients lowest heart rate during the first hour of their unit stay
56. **h1\_mbp\_max:** The patients highest mean blood: pressure during the first hour of their unit stay either non-invasively or invasively measured
57. **h1\_mbp\_min:** The patients lowest mean blood: pressure during the first hour of their unit stay either non-invasively or invasively measured
58. **h1\_mbp\_noninvasive\_max:** The patients: highest mean blood pressure during the first hour of their unit stay non-invasively measured
59. **h1\_mbp\_noninvasive\_min:** The patients: lowest mean blood pressure during the first hour of their unit stay non-invasively measured
60. **h1\_resprate\_max:** The patient’s highest respiratory rate during the first hour of their unit stay
61. **h1\_resprate\_min:** The patient’s lowest respiratory rate during the first hour of their unit stay
62. **h1\_spo2\_max:** The patients highest peripheral oxygen saturation during the first hour of their unit stay
63. **h1\_spo2\_min:** The patients lowest peripheral oxygen saturation during the first hour of their unit stay
64. **h1\_sysbp\_max:** The patients highest systolic blood pressure during the first hour of their unit stay either non-invasively or invasively measured
65. **h1\_sysbp\_min:** The patients lowest systolic blood pressure during the first hour of their unit stay either non-invasively or invasively measured
66. **h1\_sysbp\_noninvasive\_max:** The patients highest systolic blood pressure during the first hour of their unit stay non-invasively measured
67. **h1\_sysbp\_noninvasive\_min:** The patients lowest systolic blood pressure during the first hour of their unit stay non-invasively measured
68. **d1\_glucose\_max:** The highest glucose concentration of the patient in their serum or plasma during the first 24 hours of their unit stay
69. **d1\_glucose\_min:** The lowest glucose concentration of the patient in their serum or plasma during the first 24 hours of their unit stay
70. **d1\_potassium\_max:** The highest potassium concentration for the patient in their serum or plasma during the first 24 hours of their unit stay
71. **d1\_potassium\_min:** The lowest potassium concentration for the patient in their serum or plasma during the first 24 hours of their unit stay
72. **apache\_4a\_hospital\_death\_prob:** The APACHE IVa probabilistic prediction of in-hospital mortality for the patient which utilizes the APACHE III score and other covariates including diagnosis.
73. **apache\_4a\_icu\_death\_prob:** The APACHE IVa probabilistic prediction of in ICU mortality for the patient which utilizes the APACHE III score and other covariates including diagnosis
74. **aids:** Whether the patient has a definitive diagnosis of acquired immune deficiency syndrome (AIDS) (not HIV positive alone)
75. **cirrhosis:** Whether the patient has a history of heavy alcohol use with portal hypertension and varices other causes of cirrhosis with evidence of portal hypertension and varices or biopsy proven cirrhosis. This comorbidity does not apply to patients with a functioning liver transplant.
76. **diabetes\_mellitus**: Whether the patient has been diagnosed with diabetes either juvenile or adult onset which requires medication.
77. **hepatic\_failure**: Whether the patient has cirrhosis and additional complications including jaundice and ascites upper GI bleeding hepatic encephalopathy or coma.
78. **immunosuppression:** Whether the patient has their immune system suppressed within six months prior to ICU admission for any of the following reasons; radiation therapy chemotherapy use of non-cytotoxic immunosuppressive drugs high dose steroids (at least 0.3 mg/kg/day of methylprednisolone or equivalent for at least 6 months).
79. **leukaemia:** Whether the patient has been diagnosed with acute or chronic myelogenous leukemia acute or chronic lymphocytic leukemia or multiple myeloma.
80. **lymphoma:** Whether the patient has been diagnosed with non-Hodgkin lymphoma.
81. **solid\_tumor\_with\_metastasis**: Whether the patient has been diagnosed with any solid tumor carcinoma (including malignant melanoma) which has evidence of metastasis.
82. **apache\_3j\_bodysystem:** Admission diagnosis group for APACHE III
83. **apache\_2\_bodysystem:** Admission diagnosis group for APACHE II
84. **hospital\_death:** Whether the patient died during this hospitalization