

EEG Data Codebook

0. General Info

0a. Cohort and patient meta-data

Data are derived from a cohort of patients resuscitated from sudden cardiac arrest at a single center. Cardiac arrest is the most common cause of death in high-income nations, including the United States, and reflects abrupt cessation of blood flow and effective cardiac contraction. It may result from more than one **etiology**, including heart attack, cardiac arrhythmia, trauma, respiratory failure or drug overdose. It commonly occurs out-of-hospital (**oohca**), but may also occur in-hospital. By convention, cardiac arrest occurring in the emergency department (**edarrest**) is considered an out-of-hospital arrest. A majority of patients at our center are transferred (**transfer**) from other hospitals. For this reason, initial details about their arrest are sometimes a bit fuzzy. Often, some prognostic features like their initial rhythm (**rhythm**) are known, but other details such as their total duration of cardiopulmonary resuscitation (**duration**), whether they received lay-person CPR after they collapsed (**bystander_cpr**) or whether their collapse was witnessed (**witnessed**) are less well defined. Some of these characteristics (e.g., **bystander_cpr** and **witnessed**) are only relevant to arrests occurring outside the hospital and emergency department. For the same reason, the exact time of the collapse (**arresttime**) may be missing, but we can usually ascertain the overall date of the arrest (**arrestdate**) Our database includes branching logic, so when values are irrelevant they are blank. When categorical variables are unknown, that category is selected. When continuous variables are unknown they take on a value of -1.

When patients arrive to the hospital, they typical

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