VAE Synthetic Data Set

This data set and accompanying result comprise a tool to use to self-validate your encoding of the 2015 Ventilator-Associated Event Protocol within your system. To use the data set, import it into your system, run your code against each of the fictitious patient records and compare the output to that of the result set provided.

To better understand the input data, a data dictionary is provided in the table below.

| Element | Units | Optionality | Cardinality | Notes |
| --- | --- | --- | --- | --- |
| patientIndex | Unitless sequential Integer | required | (1..1) | patientIndex is a sequential index starting at 1. This is the foreign key that links a record in the data set to a result in the result set. |
| ventDay |  |  |  |  |
| day | Unitless sequential Integer | required | (1...1) | Day is a sequential index starting at 1. Day 1 is the start date for intubation |
| peep |  | optional only if FiO2 is present | (0...1) | This is the daily minimum PEEP: The lowest value of PEEP during a calendar day that is set on the ventilator and *maintained for at least 1 hour*. |
| fiO2 |  | optional only if PEEP is present | (0...1) | This is the daily minimum FiO2: The lowest value of FiO2 during a calendar day that is set on the ventilator and *maintained for at least 1 hour* |
| minTemp |  |  |  | Minimum daily temperature in degrees Celsius |
| maxTemp |  |  |  | Maximum daily temperature in degrees Celsius |
| minWBC |  |  |  | Minimum daily white blood cell count |
| maxWBC |  |  |  | Maximum daily white blood cell count |
| drug |  |  | (0...n) | Antimicrobial agent(s) administered on this day. There may be multiple drugs administered in a day |
| criterion1 |  |  | (0...1) | Criterion 1 as defined in the VAE protocol. (yes/no) value |
| criterion2 |  |  | (0...1) | Criterion 2 as defined in the VAE protocol. (yes/no) value |
| criterion3 |  |  | (0...1) | Criterion 3 as defined in the VAE protocol. (yes/no) value |