* **Baseline variables**
* Steriods include
  + hydrocortisone (Cortef)
* cortisone
* ethamethasoneb (Celestone)
* prednisone (Prednisone Intensol)
* prednisolone (Orapred, Prelone)
* triamcinolone (Aristospan Intra-Articular, Aristospan Intralesional, Kenalog)
* Methylprednisolone (Medrol, Depo-Medrol, Solu-Medrol)
* dexamethason

* Postoperative Inpatient Complications
  + using pneumonia as an example, 1st pneumonia diagnosis date between surgery date and discharge + 30 days

* Procedure\_name : Sometimes a 0 comes through via the original source system due to how the ETL was set up (generally this occurs with legacy Cerner surgeries). My understanding is that these are still legitimate surgeries, the name is just missing.

* BMI: Some BMI value is different from the value which is manually calculated using height\_cm and weight\_kg. (Some data don't have the height\_cm or weight\_kg value, but still their BMI are calculated) Calculating BMI value manually is recommended.

* "superficial\_ssi" and "deep\_organ\_ssi" numbers are quite low (SSIs occur in 2% ~ 4% of all patients undergoing inpatient surgical procedures)

* **Repeated variables**
* all the repeated variables are measured after GI surgery

* Arterial Line MAP, MAP : Map is mean arterial pressure. Can be measured from an arterial line or from a blood pressure cuff. If someone has an arterial line they require continues blood pressure monitoring so will be sicker. Anyone who gets a blood pressure from a cuff will have the regular MAP. So in that case it’s the value which is primarily meaningful. Whereas both having an a-line and the value are both meaningful in that case.

* Pain score: For the pain variable, from 1048575 total rows, "pain level" has 121 rows, "pain score" has 79130 rows, "pain score2" has 75 rows, "pain score3" has 2 rows, and "pain score4" has 2 rows. If the meaning of pain score 2/3/4 is unclear, using "pain score" only would be a safer choice.

|  |  |  |
| --- | --- | --- |
| Normal | Abnormal | Unknown |
| NSR | Asystole | NSR;Heart block |
| NSR;Ectopy | Atrial fibrillation | NSR;SA |
| Ectopy;NSR | Atrial flutter | NSR;ST |
| Ectopy | Heart block | ST |
|  | Junctional rhythm | ST;NSR |
|  | PEA | NSR;Atrial paced |
|  | SVT | NSR;Ventricular paced |
|  | VT | Paced |
|  | NSR;Atrial fibrillation | Ventricular paced |
|  | ST;Atrial fibrillation | Atrial paced |
|  | Atrial flutter;Atrial fibrillation | A-V Sequential paced |
|  |  | SA |
|  |  | SB |

* If the value contains two controversial description (e.g. NSR;Heart block, NSR;SA), It was considered as “Unknown” group. However, if value contains any Atrial fibrillation, it is classified as Abnormal group. Also, if value contains SB(Sinus Bradycardia), it is classified as Abnormal group.
* If value contains Ectopy or Ectopy;NSR, it is classified as Normal group
* Considered “paced” as Unknown group