*'Service\_Area’ All 14*

*'Location\_Name', Blank*

*'Bill\_Area', Blank*

**'Financial\_Division', Dropped rows where = 140034 (kept 35)**

*'Department\_Number', All SMG-Central Billing*

*'Department\_Name',**All SMG-Central Billing*

**'Transaction\_Amount', 1371 different amounts**

*'Transaction\_Type', All Adjustments*

*'Service\_Date', 600ish*

*'Post\_Date', 200ish*

*'Procedure\_Code', 20*

*'Procedure\_Description', 20 – Corresponds to Procedure Code*

**'Void\_Reversal\_Status', Yes or No (change to true or false) mostly No**

*'Financial\_Class', 12*

**'Financial\_Class\_Description', 12 – Corresponds to Financial Class**

*'Payor', 85 different ones, 124 nans*

**'Payor\_Description', 85 – corresponds to Payor – potential drop later**

*'CPT\_Code\_CPT\_HCPCS', all nans*

*'CPT\_Modifier\_1\_CPT\_HCPCS', all nans*

*'CPT\_Modifier\_2\_CPT\_HCPCS', all nans*

*'CPT\_Modifier\_3\_CPT\_HCPCS', all nans*

*'CPT\_Modifier\_4\_CPT\_HCPCS', all nans*

*'CPT\_Modifier\_5\_CPT\_HCPCS', all nans*

*'Service\_Provider',*  *all nans*

*'Billing\_Provider', all nans*

**'Code Description', Corr to proc code and proc description**

**'Gross Volume', 525**

**'Net Volume', 970**

**'Final Net', 1493**

**'NCI\_Transaction\_Detail', 10 – drop some and dummy others?**

*'Unnamed: 30', all nans*

*'Unnamed: 31', all nans*

*0.3678623843877717 all nans*

* Dropped all columns with all nans
* Change Y to 1 and N to 0
* Made ‘service-to-post-days’ column, which is the total number of days from service-date to post-date and dropped service-date and post-date

Questions for Scott:

* Can you provide any more info on the dates?
  + Service Date?
  + Post Date?
  + Account discharge date
    - Seemed straightforward, but it’s earlier than service/post date
  + Account billed date – straightforward
  + Admit date – date patient was admitted to hospital?
  + First claim date – straightforward
  + Last claim date – straightforward
  + Last payment date – straightforward
* To be sure, these are the columns you’re referring to:
  + Insurance – Insurance\_Code\_Description
  + Transaction Detail – NCI\_Transaction\_Detail
  + Hospital – LocationID
  + Patient Class – Financial\_Class
  + Department – Discharge\_Department\_ID
  + Date – How do you pivot this out? What is this based on? Something from the dates above?
  + Service Type – Service\_Code
* What is NCI? Specifically NCI Transaction Detail
* Any other insights that could be helpful to you or Navigant?
* Any columns in the table that are not useful?
* Do you look at hospitals individually?
* We’ll plan on doing some visualization, predictive modeling on the AWO/NPSR %, and some clustering to find other potential patterns.