Information Dump

**Problem Statement –**

**Population** – List of people who were insured in FY2016 and got AMI in the first 90 days of 2017

Task – Build a model that predicts who is more likely to get AMI(heart attack)

Breakups –

1. Find KPIs aligned to business interests
2. Provide insights
3. Quantified analysis

**What can their business goals be?**

1. Flag all applicants who might be prone to having a AMI – charge them extra premium?
2. To all insured person having all regular checks – whenever they get flagged, notify them, make them visit hospital – in a nutshell – take precautions

So basically two major things we can do –

1. Based on basic information based on medical history, age, etc – build model to flag new applications
   1. For this we need all the information taken during application.
2. Based on continuous input of medical test data,etc of insured clients – buld a model to track the probability to get a heart attack

**Data**

Data can be categorized into four categories –

1. Member Details
2. Product Characteristic
3. Quality Adherence
4. Utilization by member

**Questions/Doubts**

1. Which fields were collected during application process?

**Jargons**

1. MA-PD : Medicare Advantage Prescription Drug plan
2. MA – Medicare Advantage (<https://q1medicare.com/q1group/MedicareAdvantagePartDQA/FAQ.php?faq=MA-and-MAPD---What-is-the-difference-between-a-Medicare-Advantage-MA-and-a-Medicare-Advantage-MAPD-&faq_id=520&category_id=111)>
3. HCC Codes and Risk Scores - <https://www.medirevv.com/blog/what-is-hcc-coding-understanding-todays-risk-adjustment-model>