Insurance Claims Data Requirements

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For the discussion following, I will be making direct comparisons to the CMS CCLF data files. For insurance claims data to be useful in building predictive models there are a few basic requirements:

* Who the patient is. i.e. basic demographics and address
* For all claims other than Rx:
  + When did they get there and when did they leave:
    - Admit Date
    - Discharge Date
  + What type of encounter?
    - CMS CCLF Header File: CLM\_TYPE\_CD
      * HHA claim
      * Non swing bed SNF claim
      * Swing bed SNF claim
      * Outpatient claim
      * Hospice claim
      * Inpatient claim
      * Inpatient Full-Encounter
  + Why did they come:
    - ICD-9/10 codes for admitting and primary diagnoses.
    - CPT codes for procedures
* For inpatient claims:
  + Where did they come from?
    - CMS CCLF Header File: CLM\_ADMSN\_TYPE\_CD
      * Emergency
      * Urgent
      * Elective
      * Newborn
      * Trauma Center
      * Unknown
  + Who sent them ?
    - CMS CCLF Header File: CLM\_ADMSN\_SRC\_CD
      * Physician referral
      * Clinic referral
      * HMO referral
      * XFER Other Hospital
      * XFER Skilled Nursing
      * XFER Other Hospital
      * XFER Emergency room
      * XFER Same Hospital
      * XFER ASC
      * XFER Hospice
  + Where did they go next?
    - CMS CCLF Header File: BENE\_PTNT\_STUS\_CD
      * Home
      * DX Other Hospital
      * DX SNF
      * DX ICF
      * DX Other
      * DX Organized Home HC
      * DX Against Advice
      * DX Home with IV
      * DX Same Hospital
      * Continue
      * Deceased
      * DX Fed Hospital
      * DX Hospice
      * DX IRF
      * DX Long Term
      * DX Psychiatric Hospital
      * DX CAH
      * DX Disaster alternative
      * DX Other
      * DX Outpatient Other Hospital
      * DX Home planned readmit
      * DX Short term general hospital planned readmit
      * DX SNF planned readmit
      * DX Custodial care planned readmit
      * DX cancer center planned readmit
      * DX Organized Home HC planned readmit
      * DX Hospital swing bed planned readmit
      * DX IRF planned readmit
      * DX Long Term planned readmit
      * DX Nursing Facility planned readmit
      * DX Psychiatric hospital planned readmit
      * DX CAH planned readmit
      * DX Other planned readmit