Clinical Analytics – current functionality

**Predict population risks**
- Predict cost and utilization trends based on past data
- Identify high utilizers to enable more proactive care
- Risk stratify patients based on future health outcomes

**Reduce clinical variance**
- Pinpoint utilization drivers across network of hospitals
- Benchmark and optimize care quality measures and cost drivers across hospitals and processes

**Optimize care for each patient**
- Identify modifiable risk for each patient
- Prescribe care guidelines based on outcomes of similar patients

**Improve discharge approach**
- Prioritize discharges based on risk stratification
- Improve the care transition process to reduce the likelihood of readmission, mortality etc.

**Streamline patient flow**
- Predict traffic to improve bed management
- Schedule the right people across your network
- Reduce cost with more efficient planning
Clinical Analytics – future scenarios

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**Risk Stratification**
- **Readmission**
- **Comorbidity**
- **Mortality**
- **Diseases**

- **Sepsis**
  - Low: M Smith
  - High: C Loya

- **Smoking status**
  - High
- **Medicine Compliance**
  - Medium
- **Dietary Adherence**
  - Low

- **Discharge date**
  - Risk factors:
    - Smoking status: 5
    - Medicine Compliance: 2
    - Dietary Adherence: -8

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**Discharge planning**
- **SEPSIS RISK: Medium**
- **Recommended Treatment**
  - Discharge plans
  - Available beds

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**Patient population: High utilizers prediction**

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**Predicts**
- **ED load prediction**
- **Workforce planning**
  - Q3, 4th of July weekend
  - Pediatricians
  - Orthopedic surgeons
  - Cardiologists
  - Nurses
  - Financial data

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**EHR**
- **ADT**
- **Admin and finance data**
- **Patient-generated data**