

# Machine Learning Improves Patient Outcome and Value-Based Care Delivery

Care Management **Case Management** Disease Management Patient Statistics Financial Analysis Claims Mangement Bed Occupancy/Admission Physician Performance Value-Based Care

Case Management

**Readmission Analysis**

Readmission Calculator

Patient Statistics

Region

Central

Clinical Characteristics

Copd

Hospital

Community Hospital

Services

Community Liaison

Activity

All physician action items are be

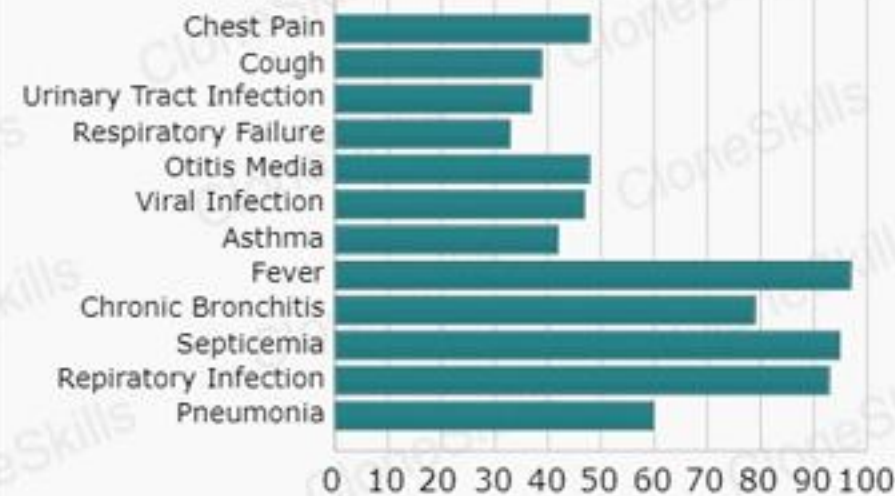
Progress

Days with Bayshore home health

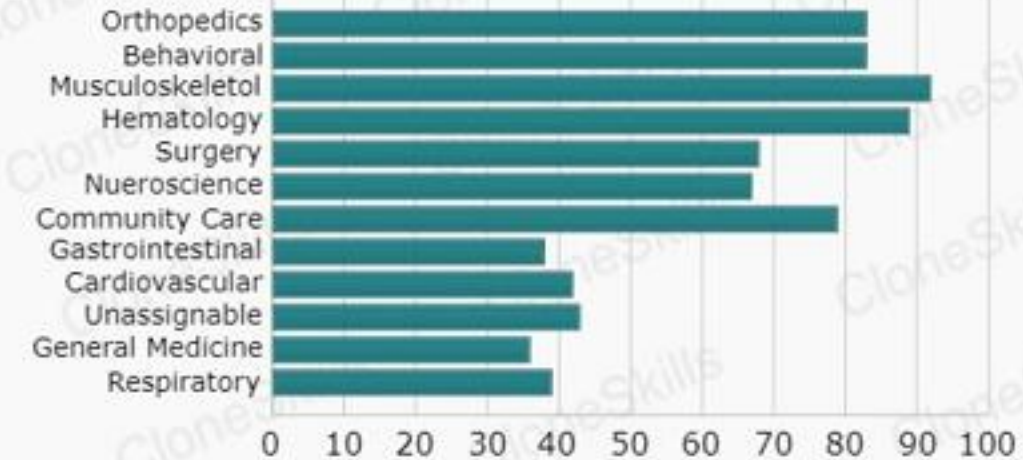
% of Patients Readmitted Within 90 Days



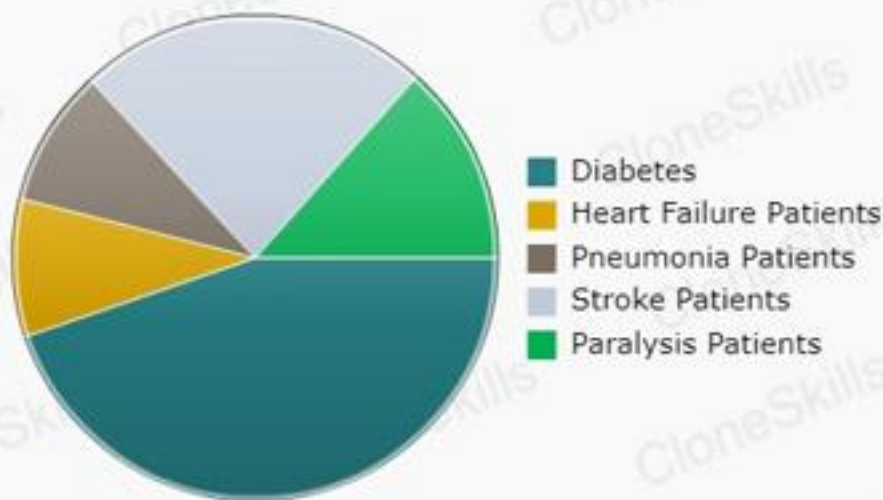
Predicted Readmission Population % By Primary Diagnosis



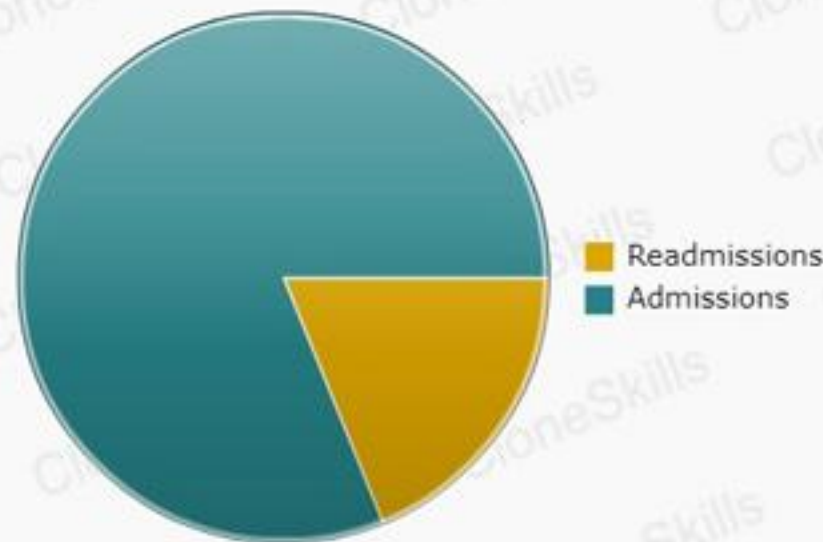
No of Patients Readmitted within 90 Days



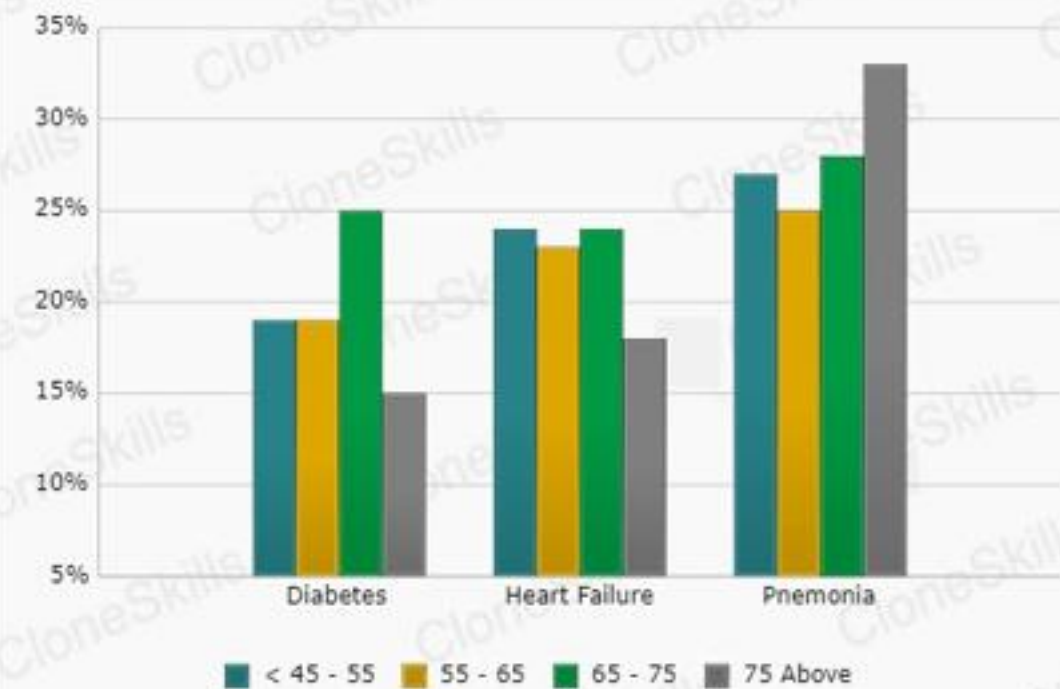
Predicted Readmission Population Count By Primary Diagnosis



Admission & Readmission Statistics for Heart Failure



30 Days Hospital Readmission Rates by Age Group



Unplanned Readmission Rate for Kidney Failure



Unplanned Readmission Rate (All Disease) by Hospital in 2015

Hospital	Readmission Rate	Trend	Total Count	Total Readmission
Seton Medical Center	6.25%	↑	24757	1547
Innova Hospital	8.04%	↑	22486	1808
Scott & White Hospital	7.45%	↓	24117	1797
Mayhill Hospital	5.17%	↑	19364	1001
Kindred Hospital	6.61%	↓	19110	1263