

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

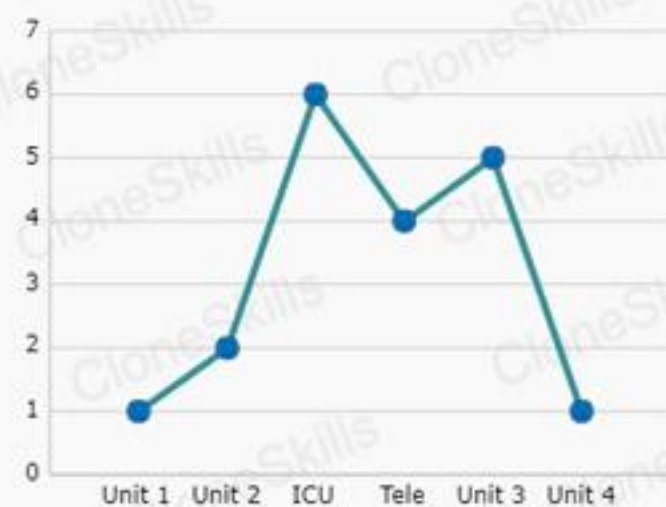
Services

Community Liaison

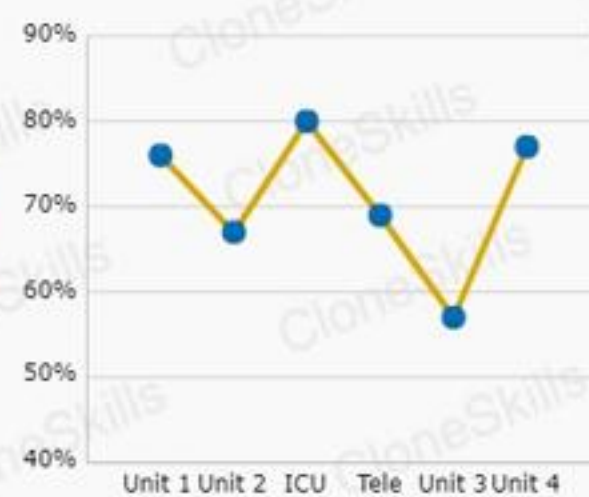
Activity

All physician action items are being follow

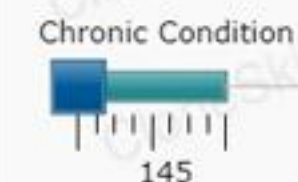
LOS Statistics (Days)



% Accuracy of Discharge Predictions



Length of Stay (In Minutes) Prediction - Community Hospital



Bed Occupancy (Unit 1)



Bed Occupancy (Unit 2)



Bed Occupancy (Unit 3)



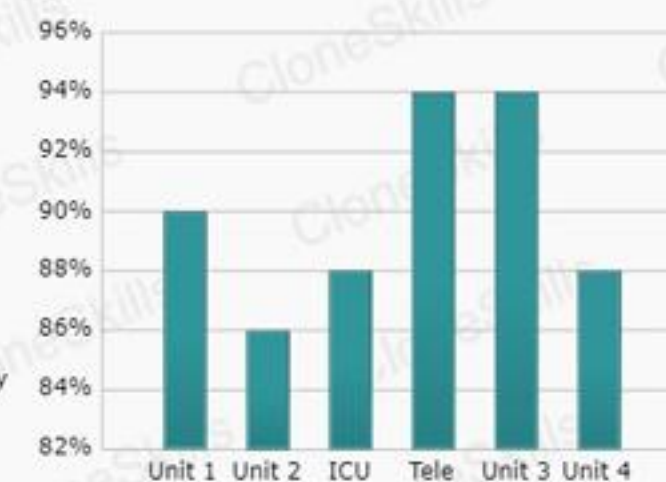
Bed Occupancy (ICU)



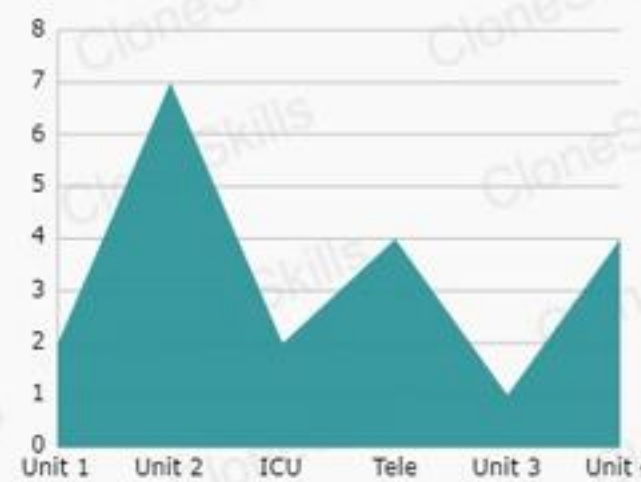
Length of Stay



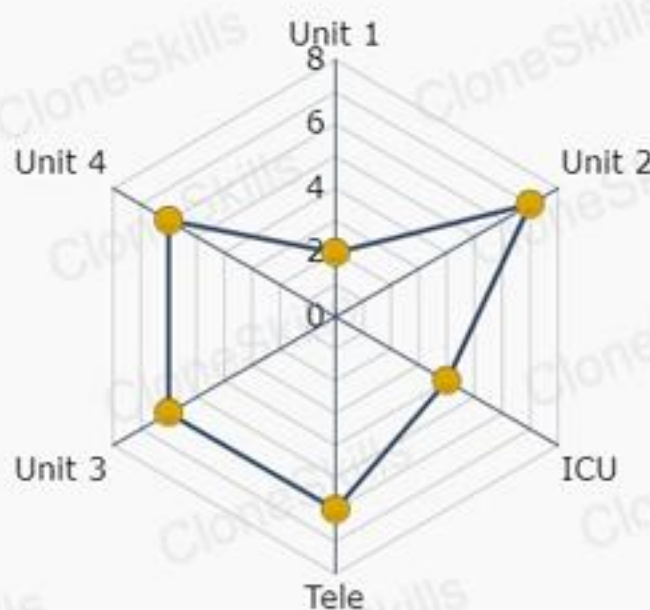
Projected Bed Occupancy



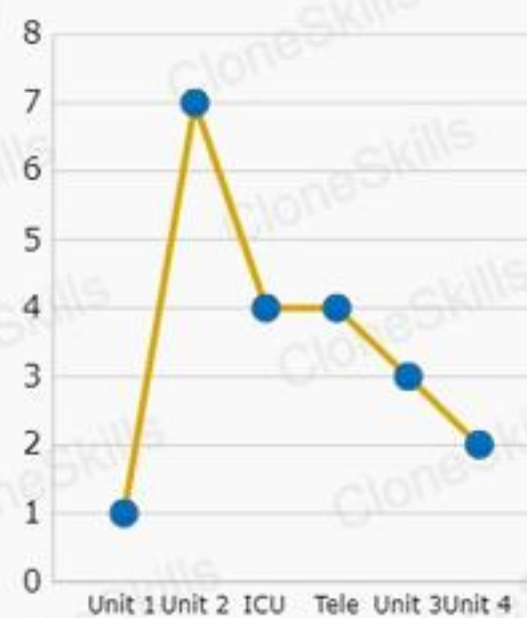
Emergency to Bed Placement



Average Bed Turns



Average Monthly Dead Bed Time (Days)



Variance of Average LOS in Hospitals (2015)

