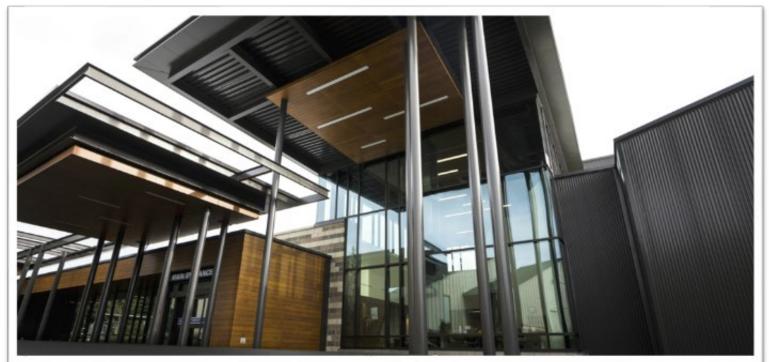
Innovation at an Oregon Critical Access Hospital: Samaritan North Lincoln Hospital





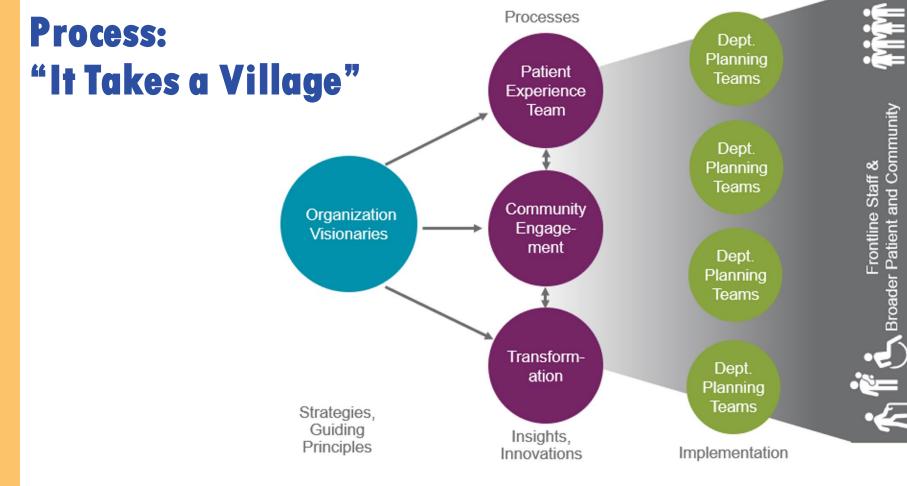


Original Hospital Facility

Completed in October of 1968









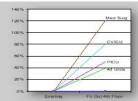
Process: Conceptualization



Big Questions



Voice of the Customer



Volumes & Growth



Empowered SNLH "Champions"

INFORMS DEVELOPMENT OF TARGET FUTURE STATE





Value Stream Mapping



Gemba Walks



Pilot Project Process Improvements



Space Programming



Ideal Space Relationships



3P and Rapid Prototyping



Quality Processes, Quality Spaces, Quality Solutions

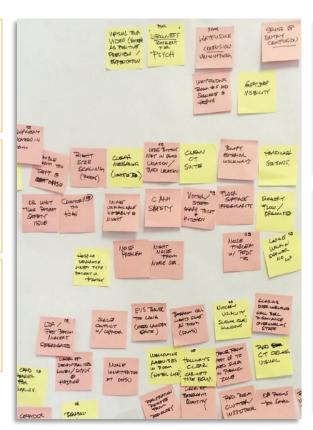


Major Themes:

Concierge Care

Ideal Use of Space

Flexibility and Adaptability









Design Images:





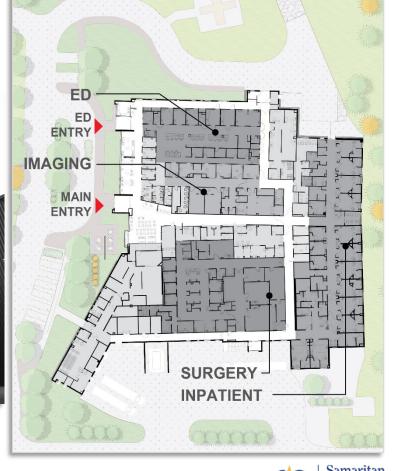
Design Images:





Design Images:







ED Surge: accommodated by unusual flexibility among departments

- EMERGENCY
- OUTPATIENT SERVICES
- IMAGING







DAY - TYPICAL



EVENING - TYPICAL

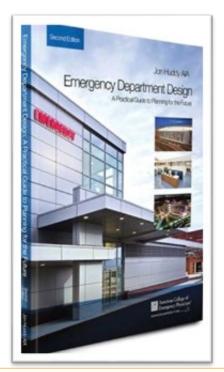


EMERGENCY

OUTPATIENT SERVICES

ED SURGE





ED Design Resource





Outpatient Flex Room





Outpatient Flex Rooms From Clinician / Staff Work Space





Old Hospital ED

Old Hospital Clinician / Staff Work Space





New Hospital Clinician / Staff Work Space with Room Doors on Left





Old ED Private Room



New ED, All Rooms are Private



Outpatient Services







Waiting Area



Consolidated Registration





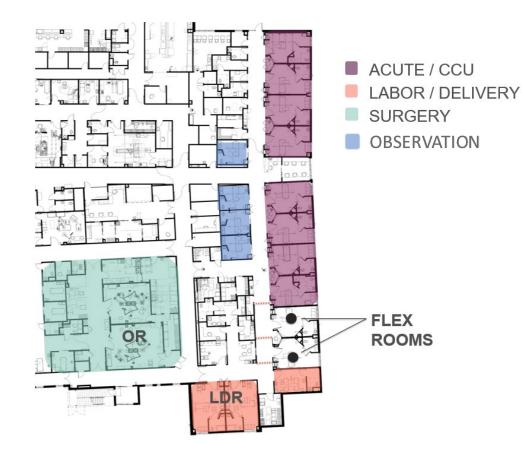


Inpatient Flexibility

Inpatient Flex Rooms Serve:

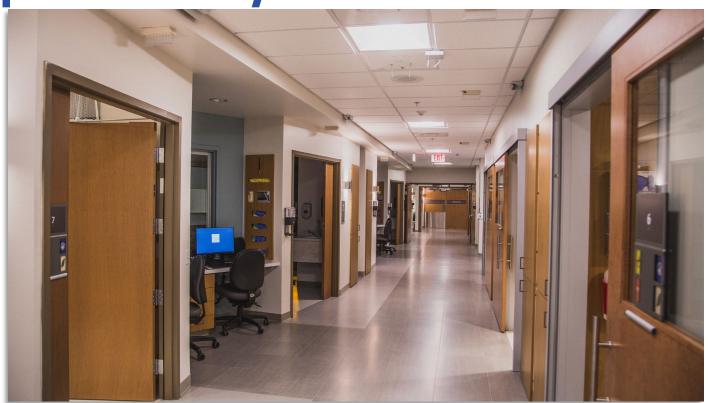
- Acute Care
- Labor & Delivery

Immediate access from LDRP to OR





Inpatient Hallway





Inpatient Room





Public Spaces

Gift shop is kiosk that expands into public space during day







Public Spaces

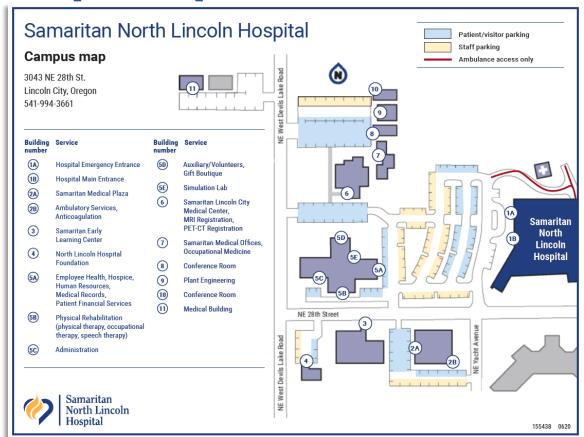
Conference room used as dining overflow





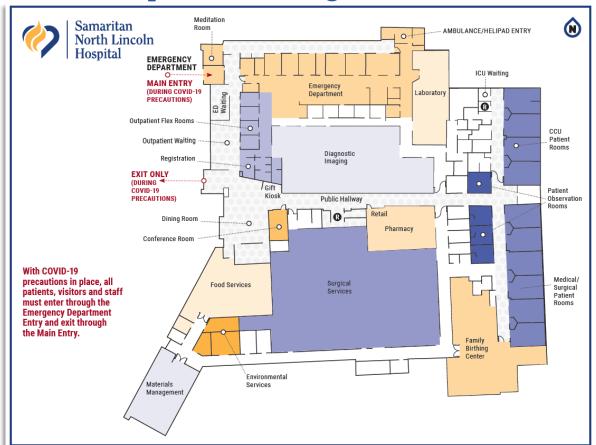


Final Campus Map





Hospital Floorplan During COVID-19 Pandemic





Future Growth

Potential growth departments configured for expansion

- ED
- Surgery
- Inpatient



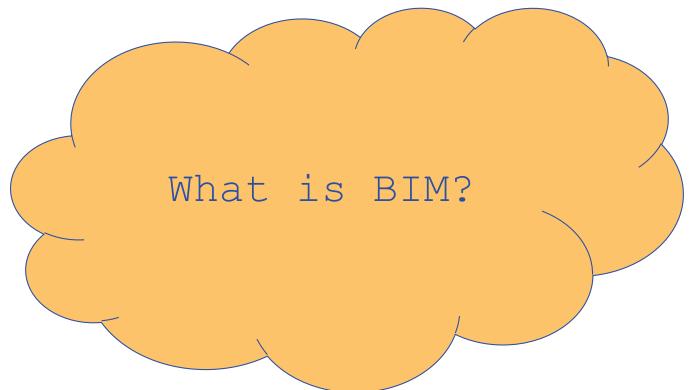


Code & Regulatory Considerations

- **EMERGENCY**
- OUTPATIENT SERVICES
- IMAGING





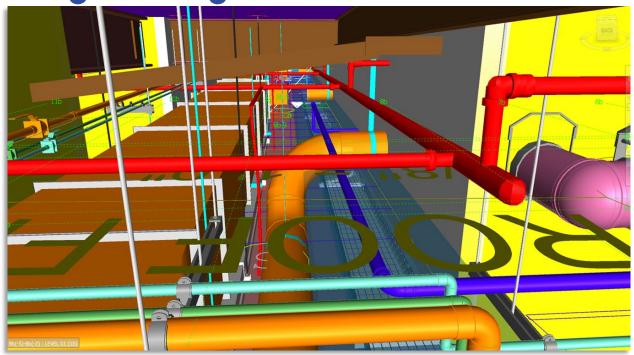




Building Information Management (BIM) is a digital representation of physical and functional characteristics of a facility.

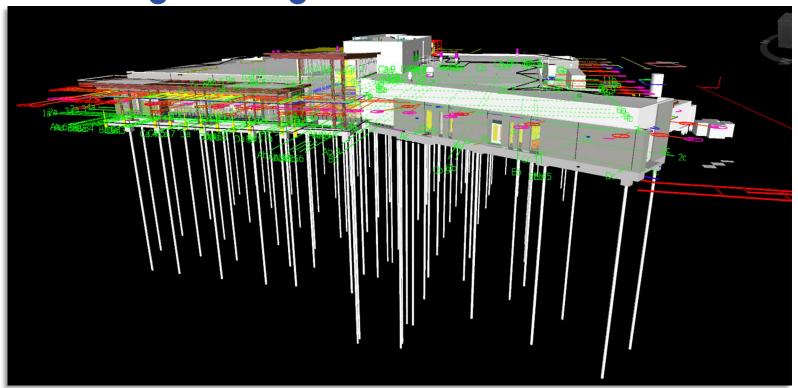
A BIM is a shared knowledge resource for information about a facility forming a reliable basis for decisions during its life-cycle; defined as existing from earliest conception to demolition.





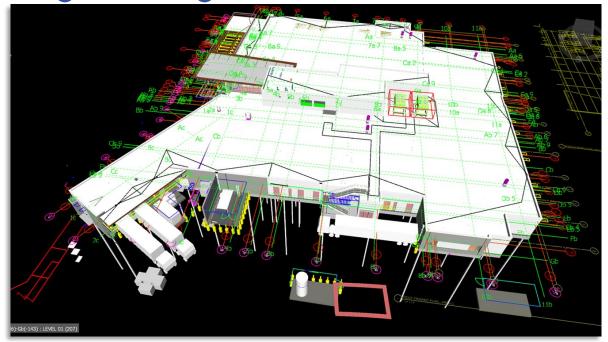
BIM model of above-ceiling coordination and clash detection of all of the systems prior to construction and used as the plan for construction.





BIM model of the foundations and key elements of the building.





BIM model of the roof and key exterior clearances in the loading dock area for deliveries and mobile units such as a mobile CT trailer.



Challenges

- Cultural Silos
- Staff Buy-In
- Change Management





Results

Savings of over \$1 M in construction costs

Discovery of additional equipment and operational savings

Flexibility for volume fluctuations and service line changes



Culture of Continuous Improvement



