

The Best Laid Plans . . .

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Managing Risk During a Global Catastrophe



### Disclaimer

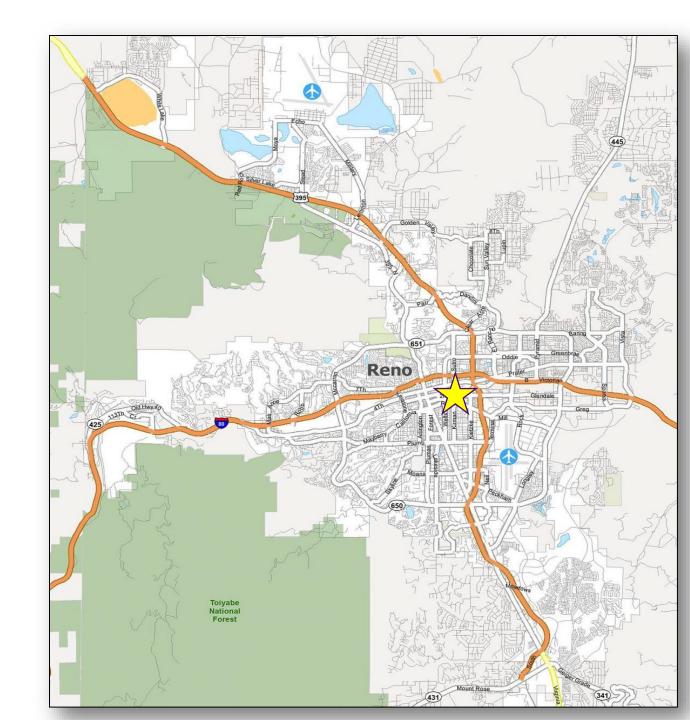
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### A Bit About Reno

- "Biggest Little City"
- 540,000 residents
- Eastern slope of the Sierra Nevada mountains

- Six acute care hospitals
- Three healthcare companies plus the VA
- Renown's main facility is in the heart of the city





### A Bit About Renown

- Founded in 1862
- Three acute care hospitals and 70+ outlying facilities
- Health plan
- 100,000 square miles across Nevada, Lake Tahoe and Eastern California
- Level II Trauma Center
- Pediatric Trauma Center
- Cancer care, neurology, pediatrics, heart care and women's health
- ECMO and soon Kidney Transplantation



#### **RENOWN BY** THE NUMBERS

**IN ONE YEAR** 



54,383

TOTAL HEALTHY **NEVADA PROJECT** 



SURGERIES



946

LICENSED BEDS



4,340

BABIES DELIVERED



25,146

**HOURS SERVED** BY VOLUNTEERS



400

PATIENTS SERVED THROUGH MUSIC THERAPY



PARTICIPANTS



28,925

INPATIENT & SAME-DAY



82,533

ER PATIENTS TREATED



12,556

PATIENTS VISITED BY 27 PET THERAPY TEAMS



470,813

SAME-DAY TESTS AND DIAGNOSTICS



1,238

TOTAL PROVIDERS WITH PRIVILEGES AT OUR HOSPITALS



123,304

TOTAL ER VISITS AT RENOWN REGIONAL AND SOUTH MEADOWS



197,087

DAYS OF HOSPITAL CARE



908

REHABILITATION **PATIENTS** 



1,061,313

VISITS TO RENOWN.ORG



223,546

EPIC MYCHART USERS



137,000

INSURANCE PLAN **MEMBERS** 



200,446

PATIENTS SEEN BY MEDICAL GROUP **PROVIDERS** 



41,107

KIDS SEEN BY RENOWN MEDICAL GROUP PEDIATRIC PROVIDERS



145,957

URGENT CARE VISITS



2,880,401

**TESTS AT RENOWN LABS** 



2,038,574

CUSTOMER CALLS



278

NOT-FOR-PROFIT ORGANIZATIONS SUPPORTED

# Enterprise Risk Mgmt. – Risk Domains

#### Clinical/Patient Safety

Care delivery

#### Operational

Process, people, systems

#### Technology

Hardware, software, EMR

#### Strategic

Reputation, future plans

#### Human Capital

 Workforce, recruitment, retention, safety



# February 2<sup>nd</sup>, 2020

- Punxsutawney Phil doesn't see his shadow
- Kansas City Chiefs win the Superbowl. Their first since 1970.

 The next day DHS redirects flights from China into the US for enhanced screening.



### March 2020

- NV Governor declares a state of emergency
- 11 cases identified in the state
- Hospital Incident Command System (HICS)
- Renown sets up "deployable medical facility" in ER parking lot.







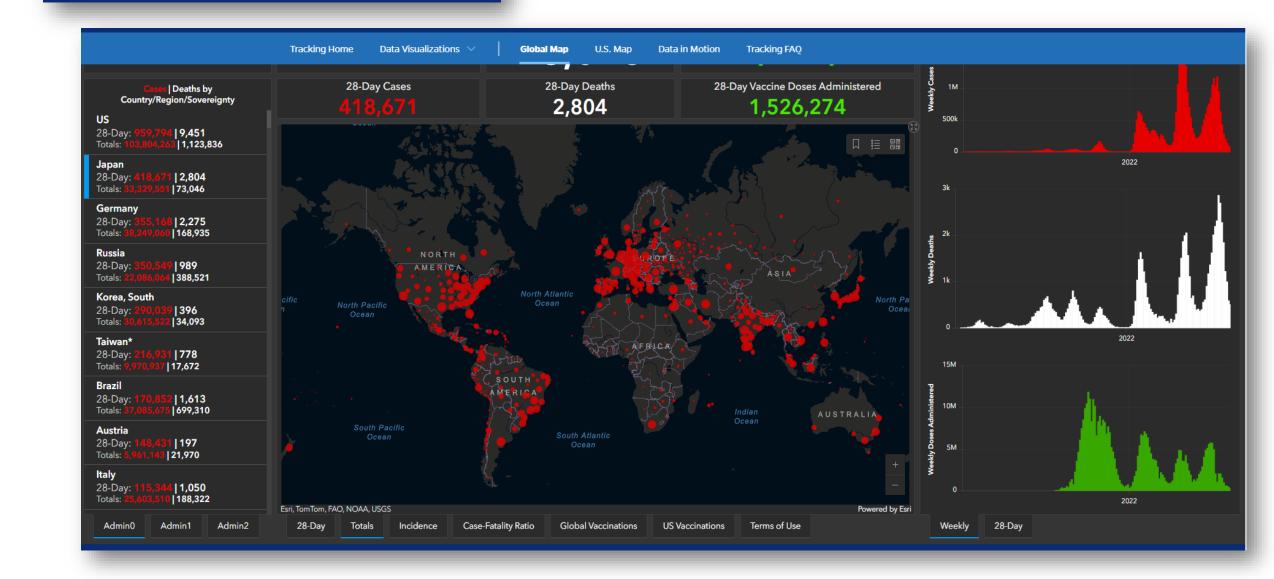
# Deployable Care Site

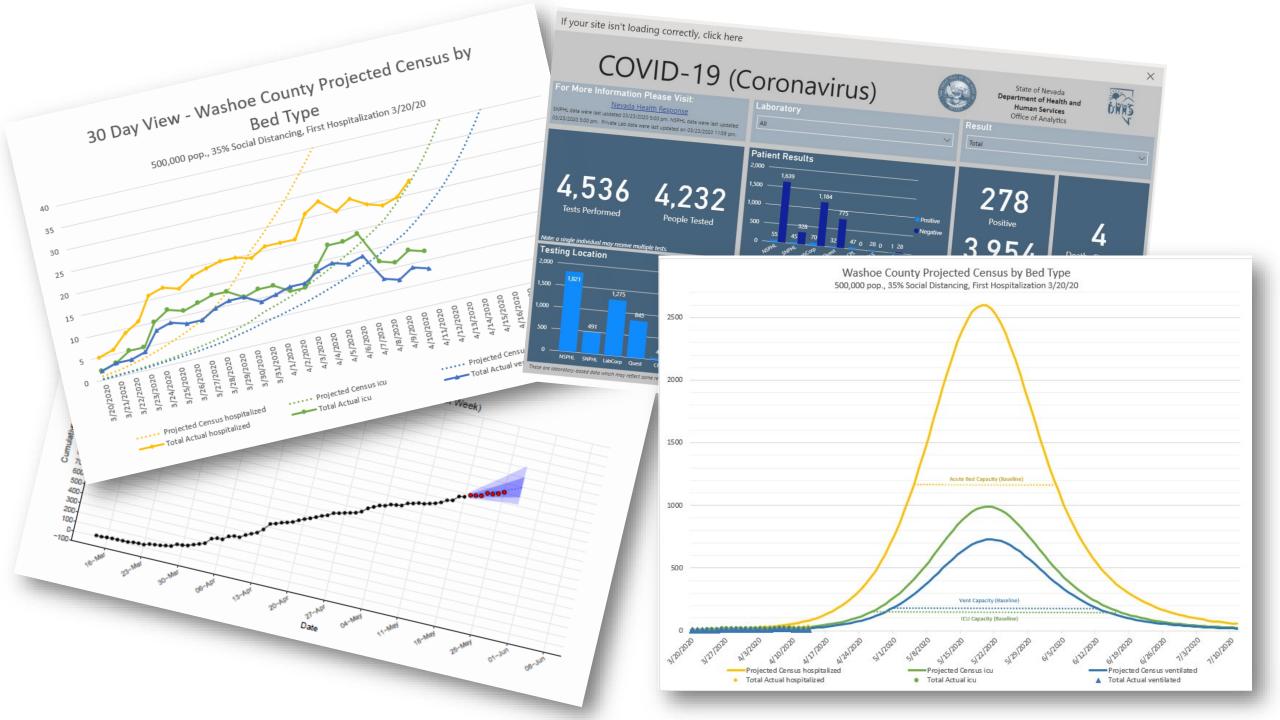
- Up to 12 patients
- Two nurses
- ED physician
- Patients seen and triaged
- Released or transferred to main hospital



### JOHNS HOPKINS UNIVERSITY & MEDICINE

### CORONAVIRUS RESOURCE CENTER

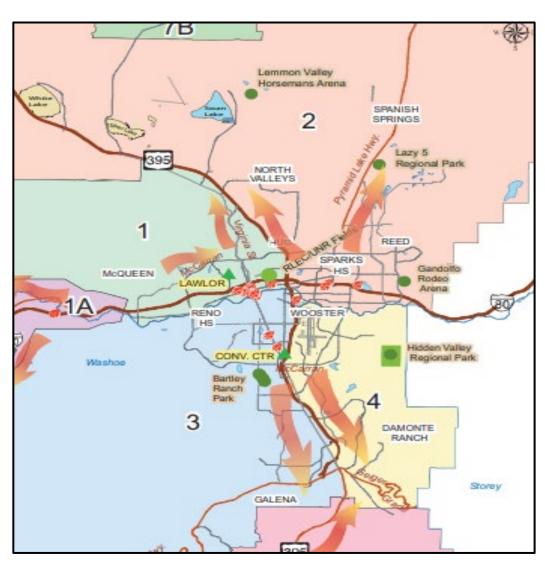




# **Emergency Preparedness Plans**

- Facility, City, and County Plans
- Alternate Care Sites
- Divert hospital staff
- Divert equipment and supplies
- Detached from hospitals

Lots of discussions about these plans





"Everyone has a plan until they get punched in the face."

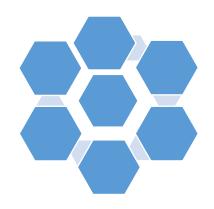
Mike Tyson

# PLANS

### Alternate Care Site (ACS)

- Mission, Vision, Values
- Renown commits to its own Alternate Care Site

- Evaluated all Renown facilities and properties
- Army Corps of Engineers





### Decision: Parking Structure

#### **Pros:**

- Direct Connection to Hospital
- Proximity to available utilities
- Flat floor slabs Not sloped
- Enough square footage to handle 1,400 patients
- Direct access to upper parking levels



### Decision: Parking Structure

#### Cons:

- It's a Parking Garage!!!!!
- Converting open parking structure to a contained patient care space
- Loss of much needed parking spaces
- Environmental conditioning, utilities, etc.



### Mobilization

- Pre-planning
- Collaboration amongst contractors
- Tight timeline with immense pressure
- Round the clock work
- Worker safety



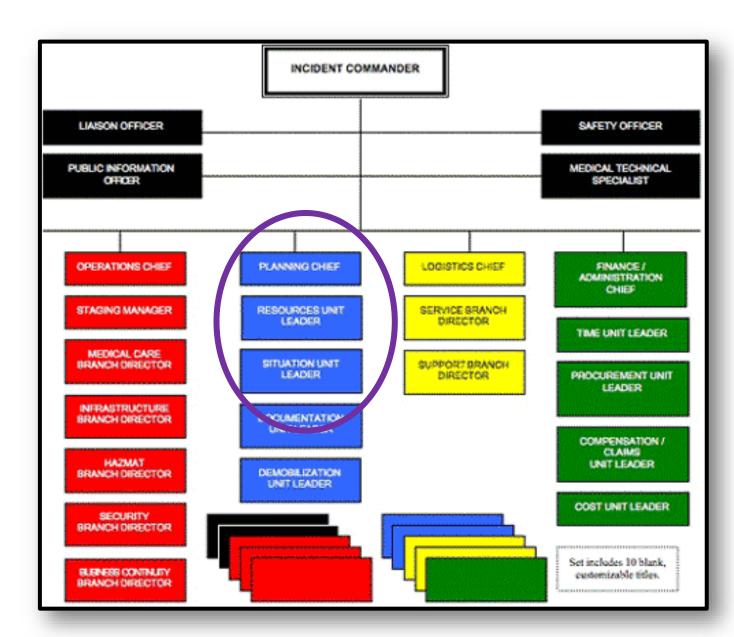
# Mindful Improvisation

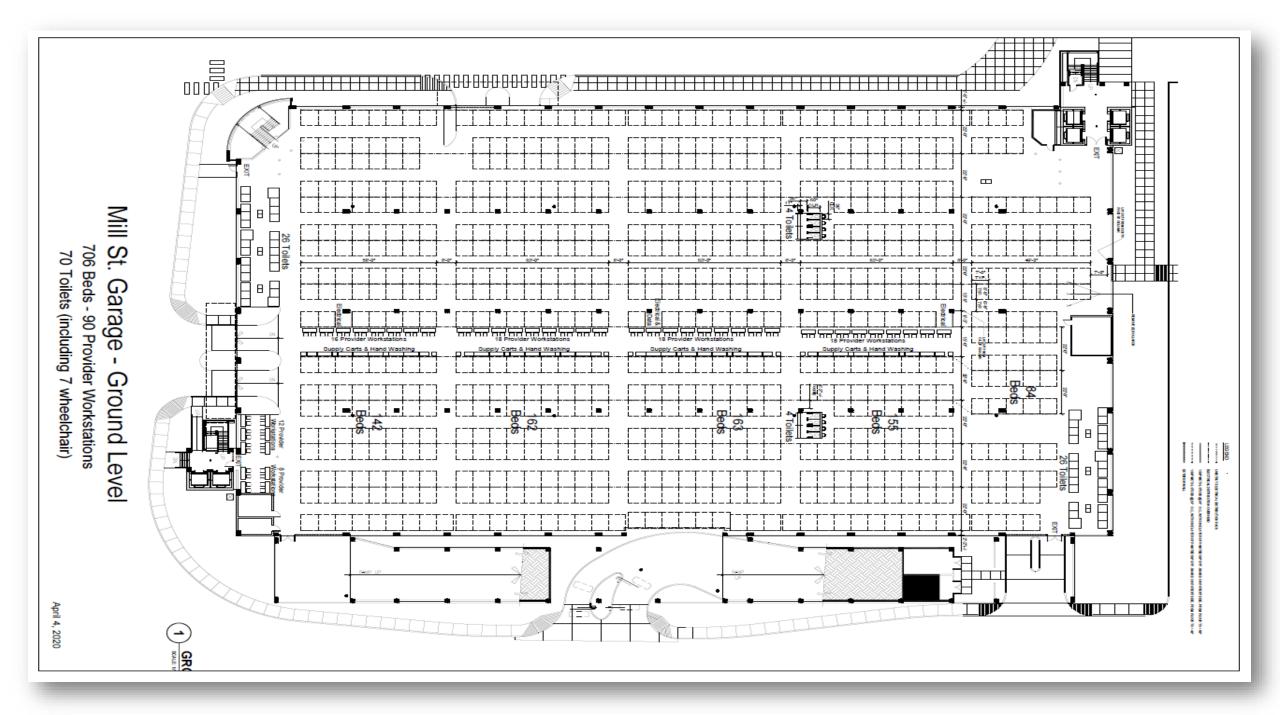
- Formalized HICS
- All requests routed and approved
- Risk management staff to be embedded in HICS structure



### HICS

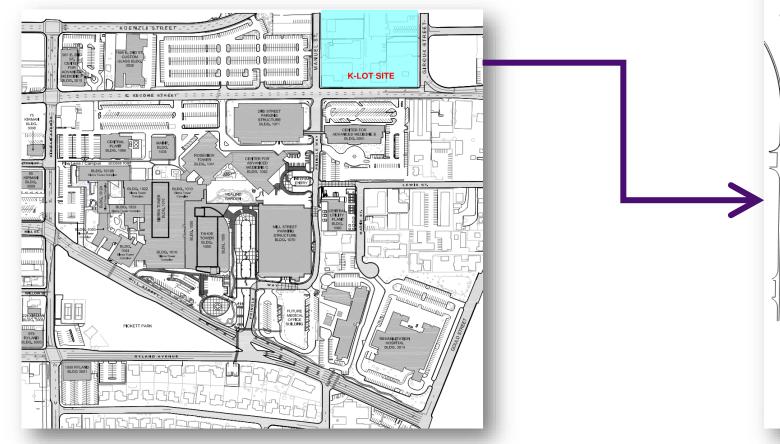
- Leaders trained with FEMA training
- Dedicated roles
- Risk management in key roles

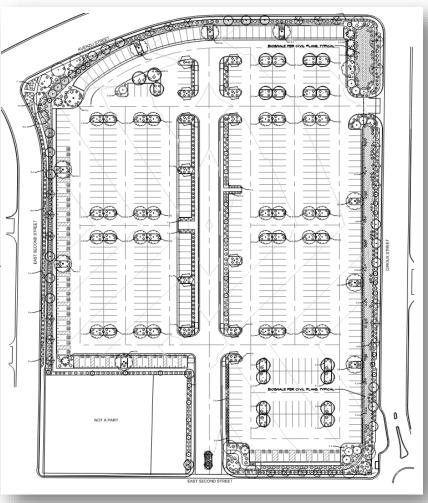




## Response: Space, Location & Feasibility

• 'K' Lot - Surface Parking Added





**Ductwork Fabrication** 

- Ductwork fabrication begins almost immediately
  - Other options could not be procured in time
  - 80,000 lbs. of sheet steel
- Entire space to be negative pressure



# Propane for Heat

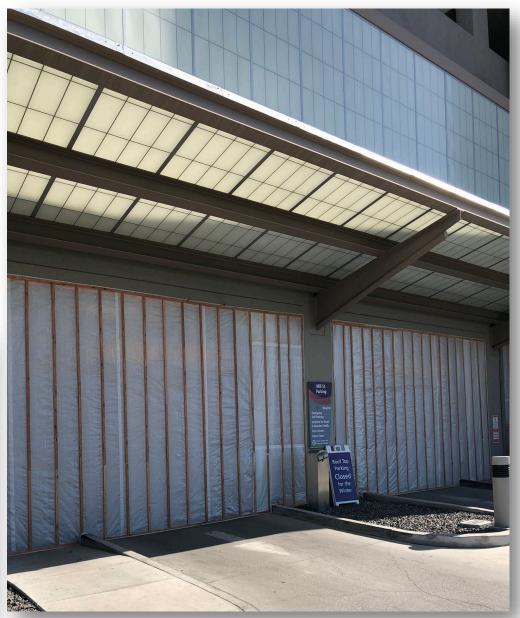
- Natural gas not available this side of campus
- Propane tanks lined the exterior
- Major safety risk



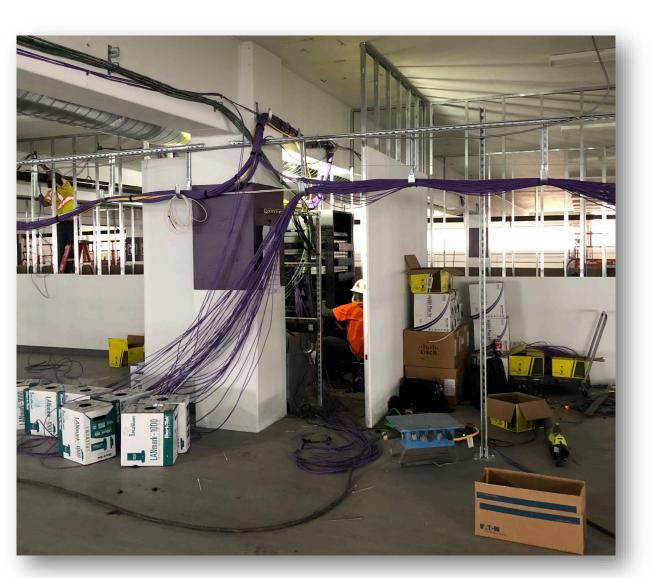
### Walled In

- 2X4 frame with Fire Treated Plastic
- Translucent Plastic for natural light
- Not pretty but quick and cheap





# Electrical, Low-Voltage and Wi-fi





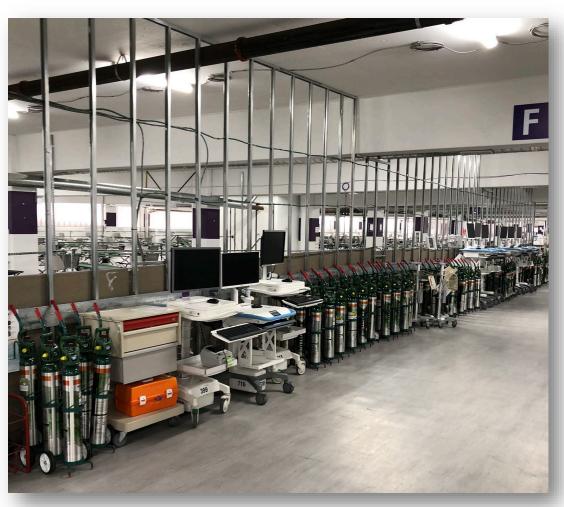
# Flooring



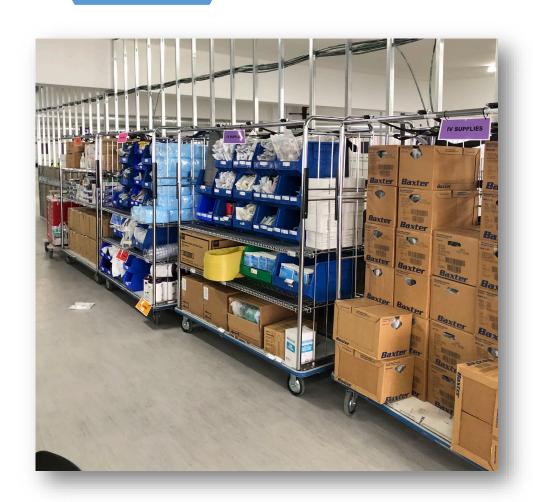
# Medical Equipment and Supplies

- 60 Computers on Wheels
- 48 Med Supply Carts
- 55 02 Cylinders
- 100 IV Pumps





#### **Financial**





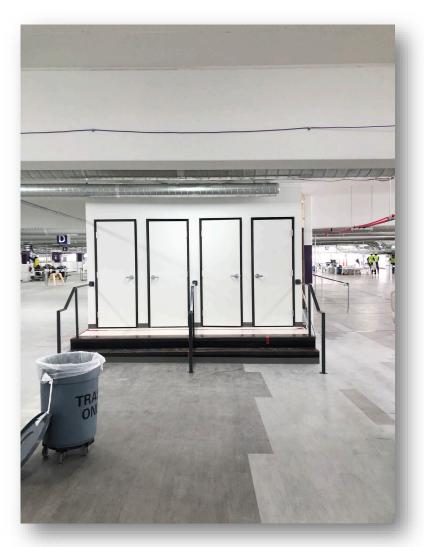
Operator Request Incident Command

HICS Review

## **Prefabricated Bathrooms**







# Plumbing – Waste & Vent



- Outhouses set up inside
- Exhaust ducts hooked up to each unit
- Connected to main exhaust direct to the outside
- Location of outhouses such that they could be pumped out when needed



## Staff Break Room

- Designed and constructed concurrently with patient spaces
- Comfortable space for frontline healthcare workers was paramount. Included:
  - Separate bathrooms
  - Mechanical cooling/heating
  - Carpeted floors
  - Natural lighting

# Finishing Touches Before Opening



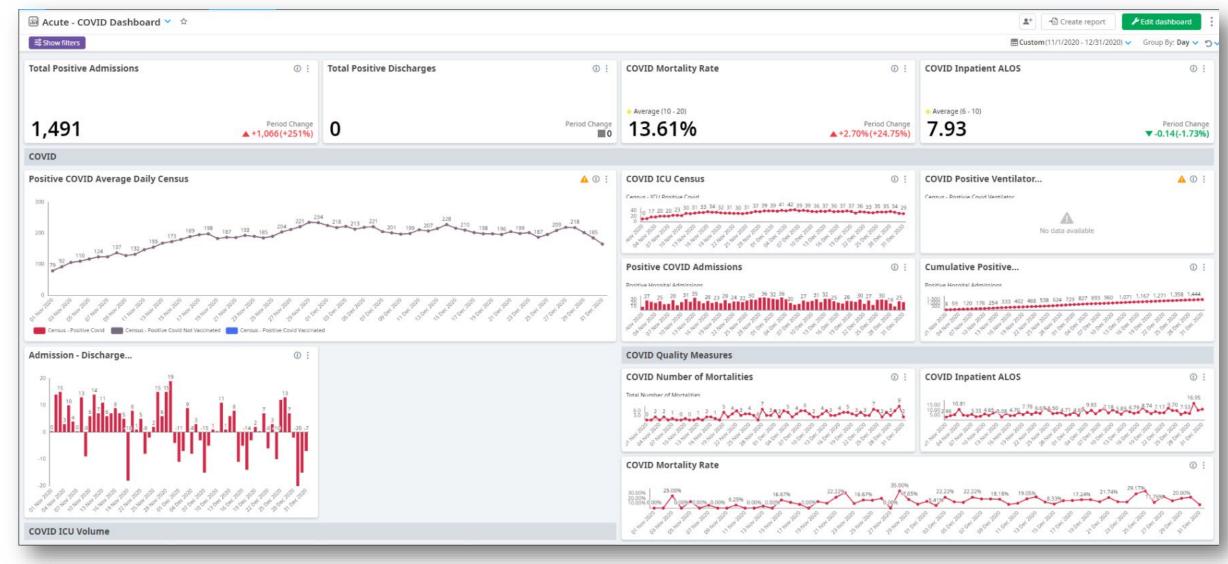


 Certificate of occupancy received on April 15, 2020

10 Days after construction began



### Daily COVID Dashboard



Human Capital

Staff safety and well being

VS

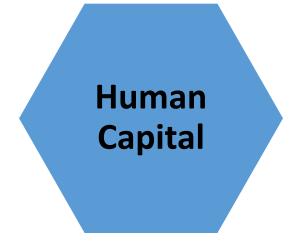
**Patient care** 

Staff with clinical experience asked to fill gaps.



#### Staff Wellness

- Resilience committee
- Open, transparent communication from leadership
- Weekly employee forums
- More than 700 employees moved to remote work model
- Wellness days off







Patients
Treated in the
ACS

Patients
Treated in the
ACS





- Reputational Risk
- Unwanted media attention

U.S. INTERNATIONAL CANADA ESPAÑOL 中文

# The New York Times

No, a doctor's selfie does not show a 'fake hospital' in Nevada.









Dr. Jacob Keeperman took a photo of himself in the Renown Medical Center's alternative care site in Reno, Nev., on opening day in November, before the center's first patients arrived. Jacob Keeperman/Renown Regional Medical Center, via Associated Press

#### What will you do when CNN shows up on your doorstep?

# It took 10 days for a Reno hospital to turn a parking garage into a wing for Covid patients. Now it has 700 beds



By Madeline Holcombe, Sara Sidner and Julia Jones, CNN

3 minute read · Updated 4:53 AM EST, Fri December 11, 2020







## The Unanticipated Risk













#### **A HERCULEAN EFFORT TO SPREAD HOPE**

When COVID-19 vaccines became available in December 2020. Renown Health answered the call - with the help of the Washoe County Health District - and provided vaccinations to both our care teams and our community members.

These vaccines were, and continue to be, a signal of hope for the future and a path to ending the pandemic.

Thanks to a synchronized effort between employees and volunteers, Renown Health administered more than 81,000 vaccine doses over seven months.

"From our nurses, pharmacists, security teams, public safety experts and countless volunteer staff, each dose of the vaccine was made possible - rain, snow or shine - by dedicated healthcare champions committed to the health and safety of Nevadans," said Melodie Osborn, RN, Chief Nursing and Quality Officer for Health Services at Renown.

Renown set up a drive-thru clinic at our South Meadows Medical Center campus to provide both COVID-19 testing and vaccines. In addition to administering doses of the vaccine, the team of internal and external volunteers guided community members through paperwork, appointment scheduling and questions. Above all, the team radiated hope, cried tears of joy, shared smiles of relief and demonstrated one way that Renown answers the call to care for our community.

Vaccinating Children Against COVID-19

#### Through the Storm

80,000

items donated to support our care teams

25,292

COVID-19 tests administered as of June 30, 2021

475

patients cared for in Alternate Care Site

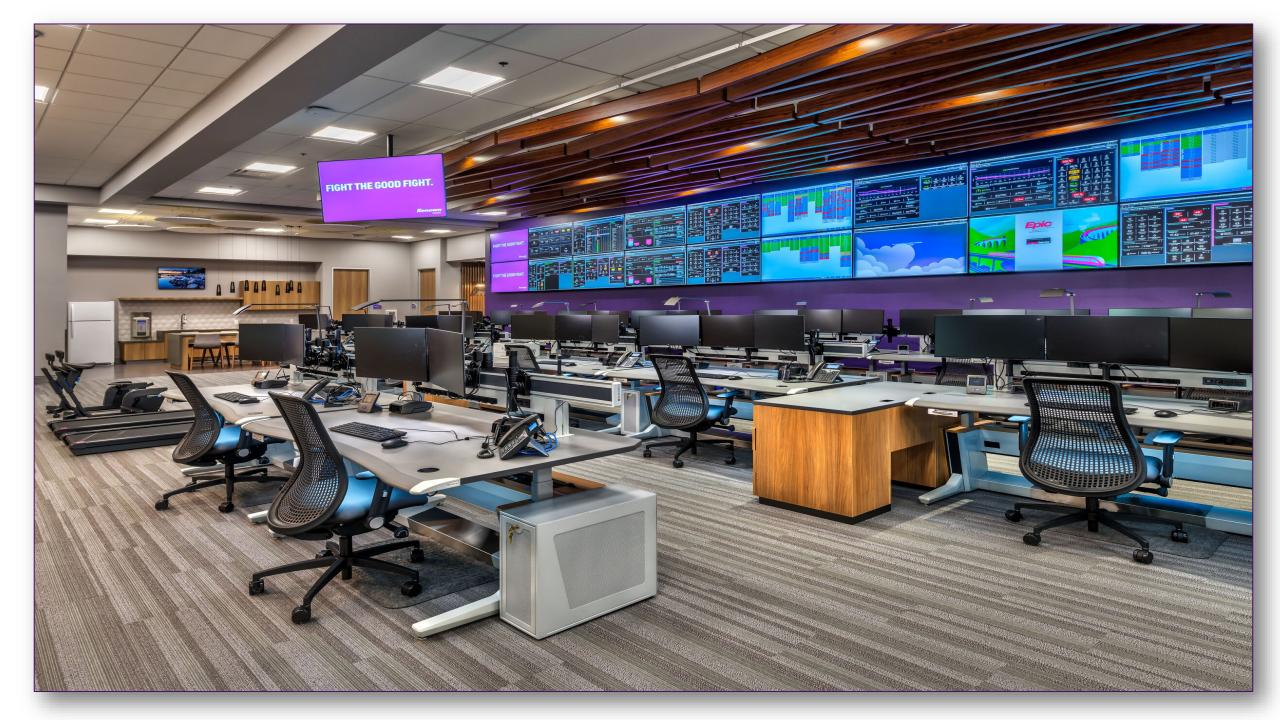




#### Sustained Improvements

- Employee and provider wellness
- Recruitment and retention
- Staffing models
- Telemedicine
- Discharge lounge
- Renown Transfer and Operations Center (RTOC)





### A Day in the RTOC



50 patients rounded on by Virtual RN's



178 Bed Requests



105 Transfer Request Calls



~500+ Voalte Messages



257 Transport Requests



#### https://www.youtube.com/watch?v=BuSYjIOTLjM



# Lessons Learned

- Plan for the worst But preparation is key
- FEMA Independent Study Courses (IS-100, 200, 700)
- Mindful Improvisation
- Risk management mindset at all levels
- It takes a lot longer to dismantle an ACS than to build one



# "Plans are useless, but planning is indispensable."

Dwight D. Eisenhower













renown.org