



Healthy Driven™

Edward-Elmhurst
HEALTH

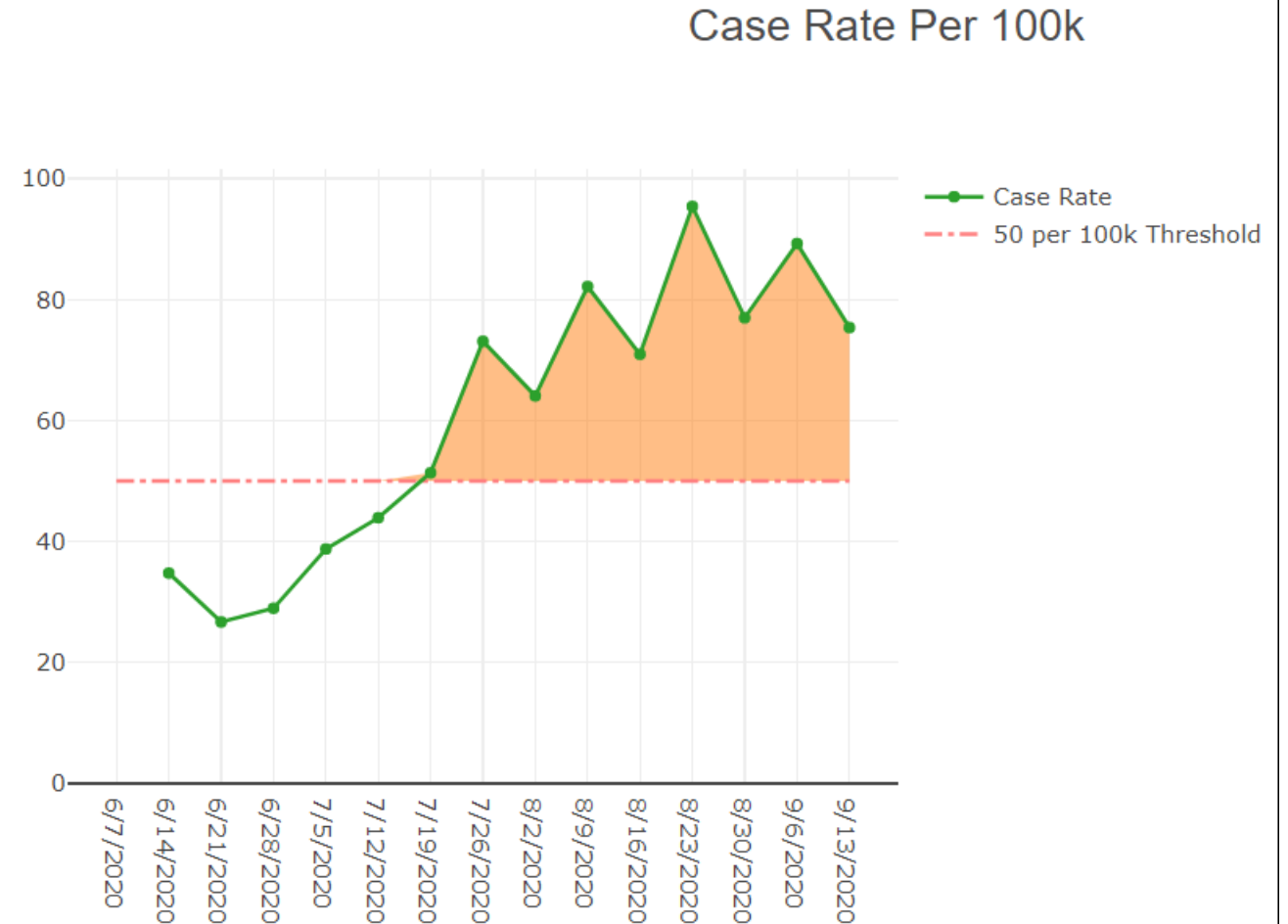
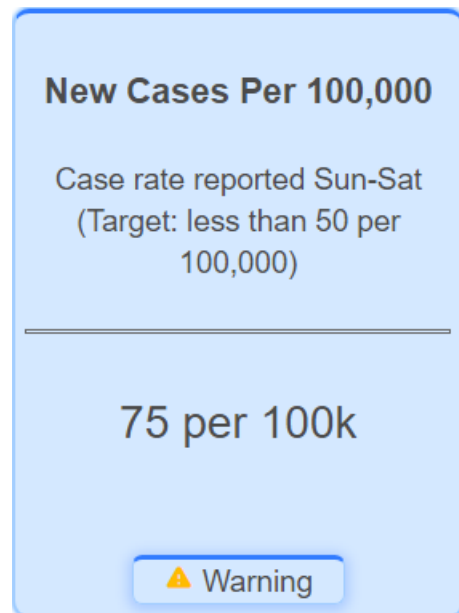
Choose DuPage – EEH Covid-19 Update

Sanjeeb Khatua, MD, MPH, MBA

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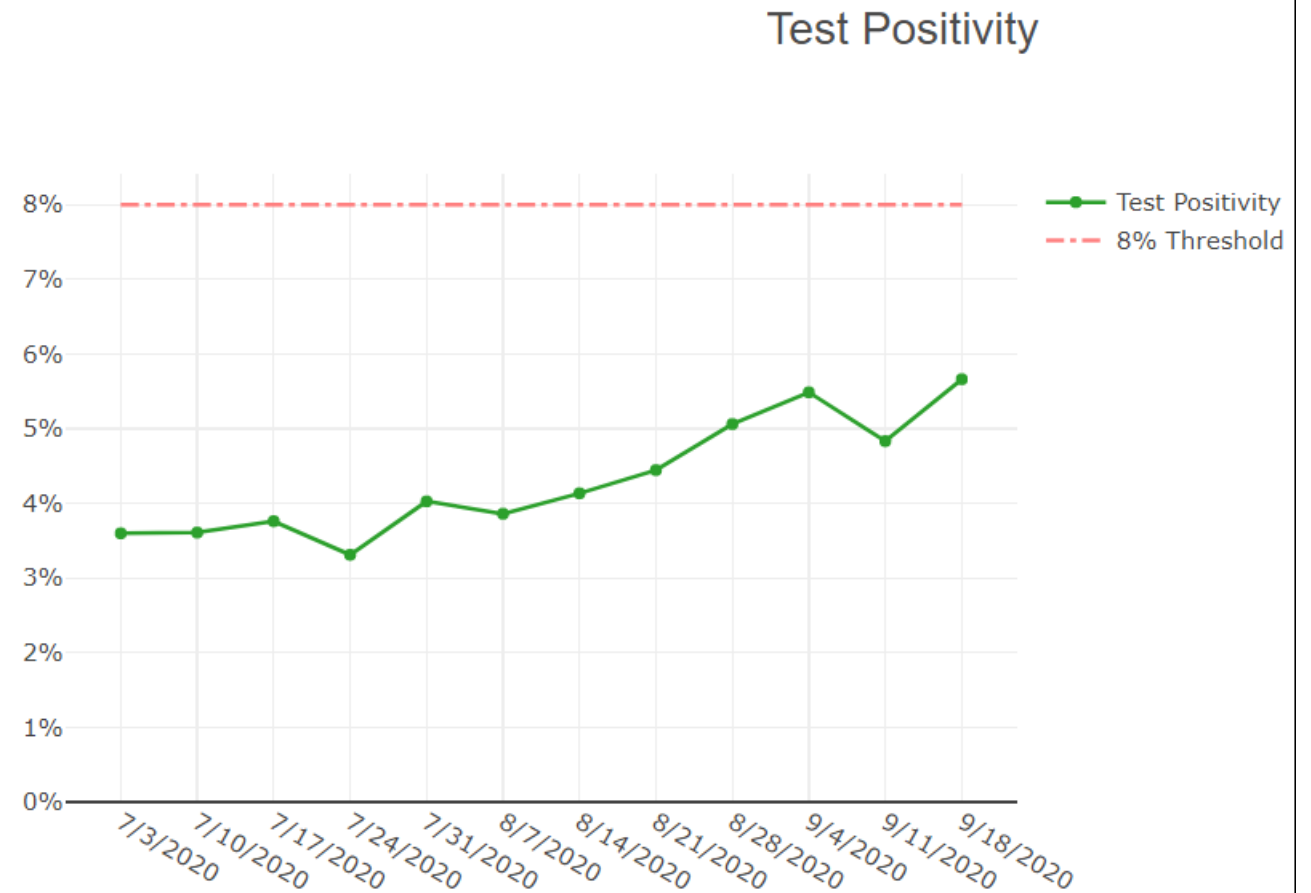
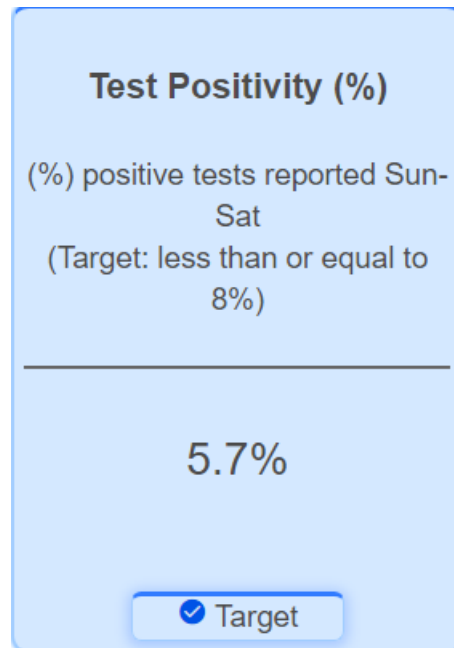
DuPage County – Current State

- Case rate/100k up



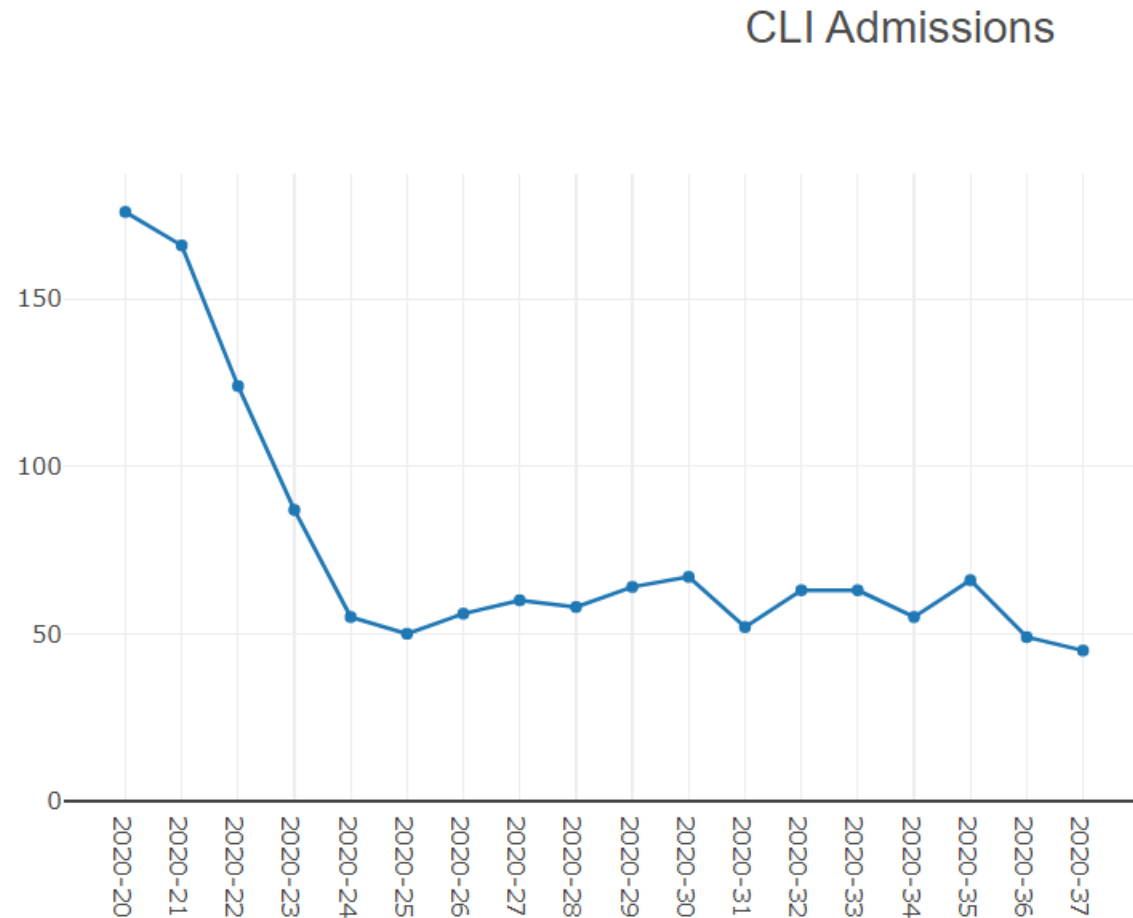
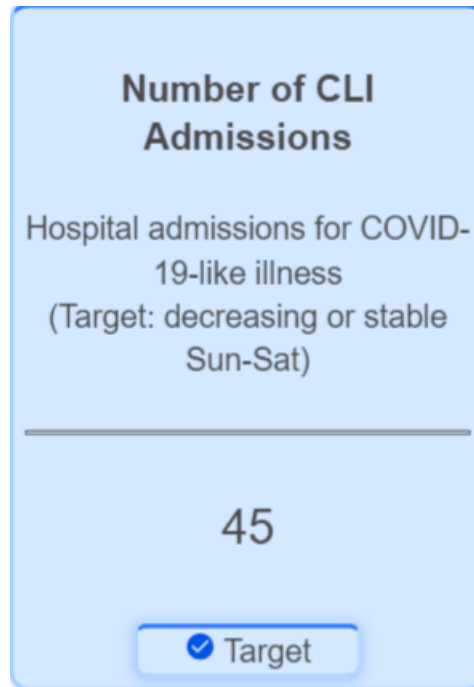
DuPage County – Current State

- Test Positivity up

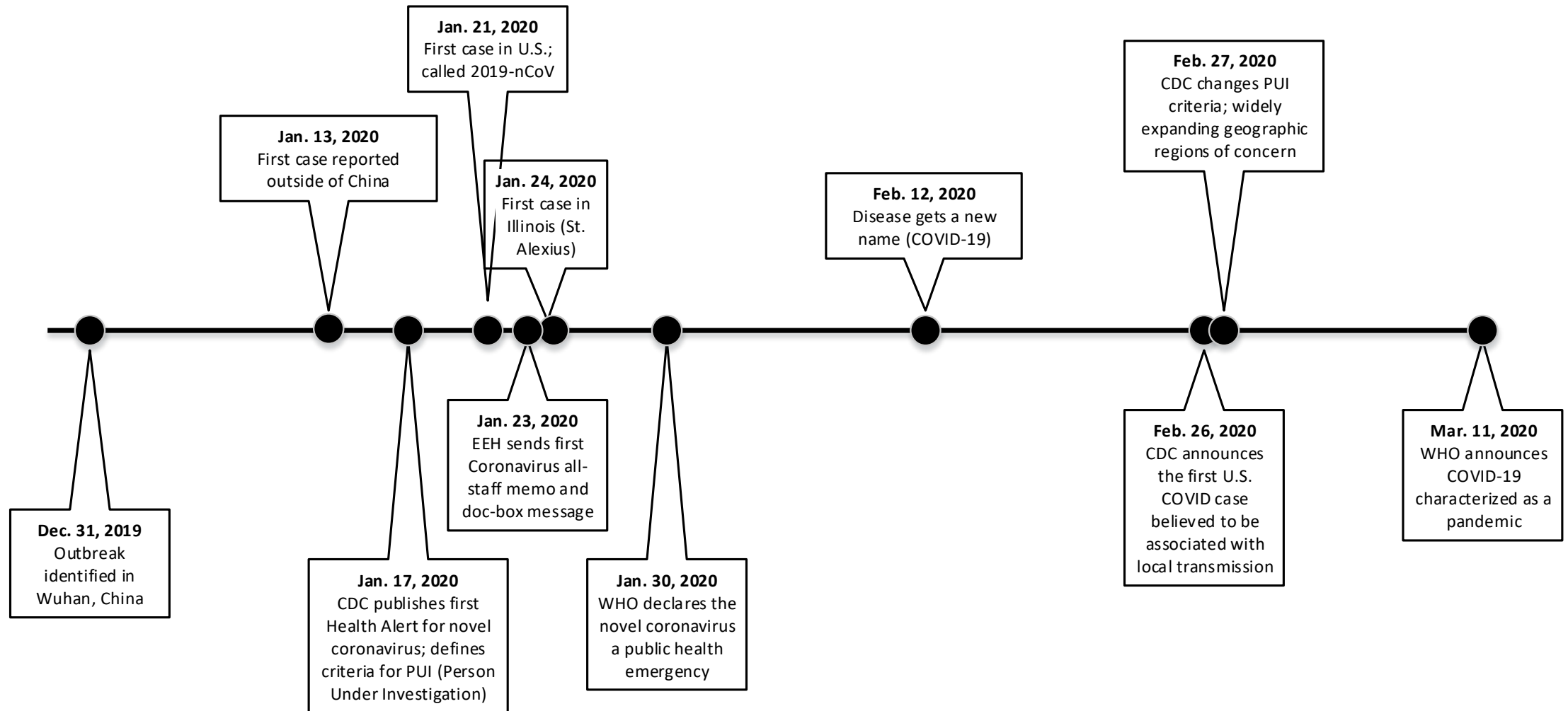


DuPage County – Current State

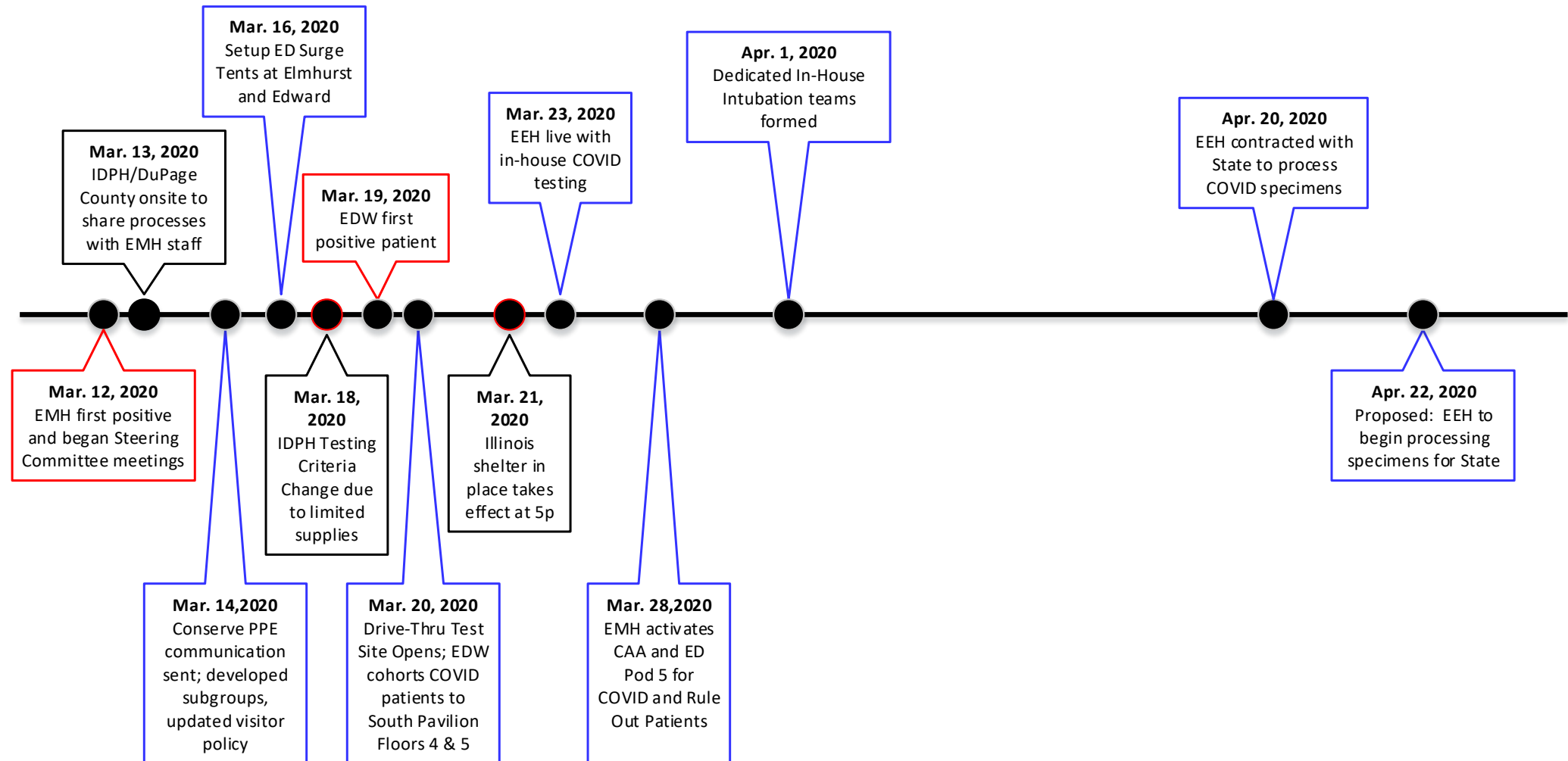
- Hospital Admits down



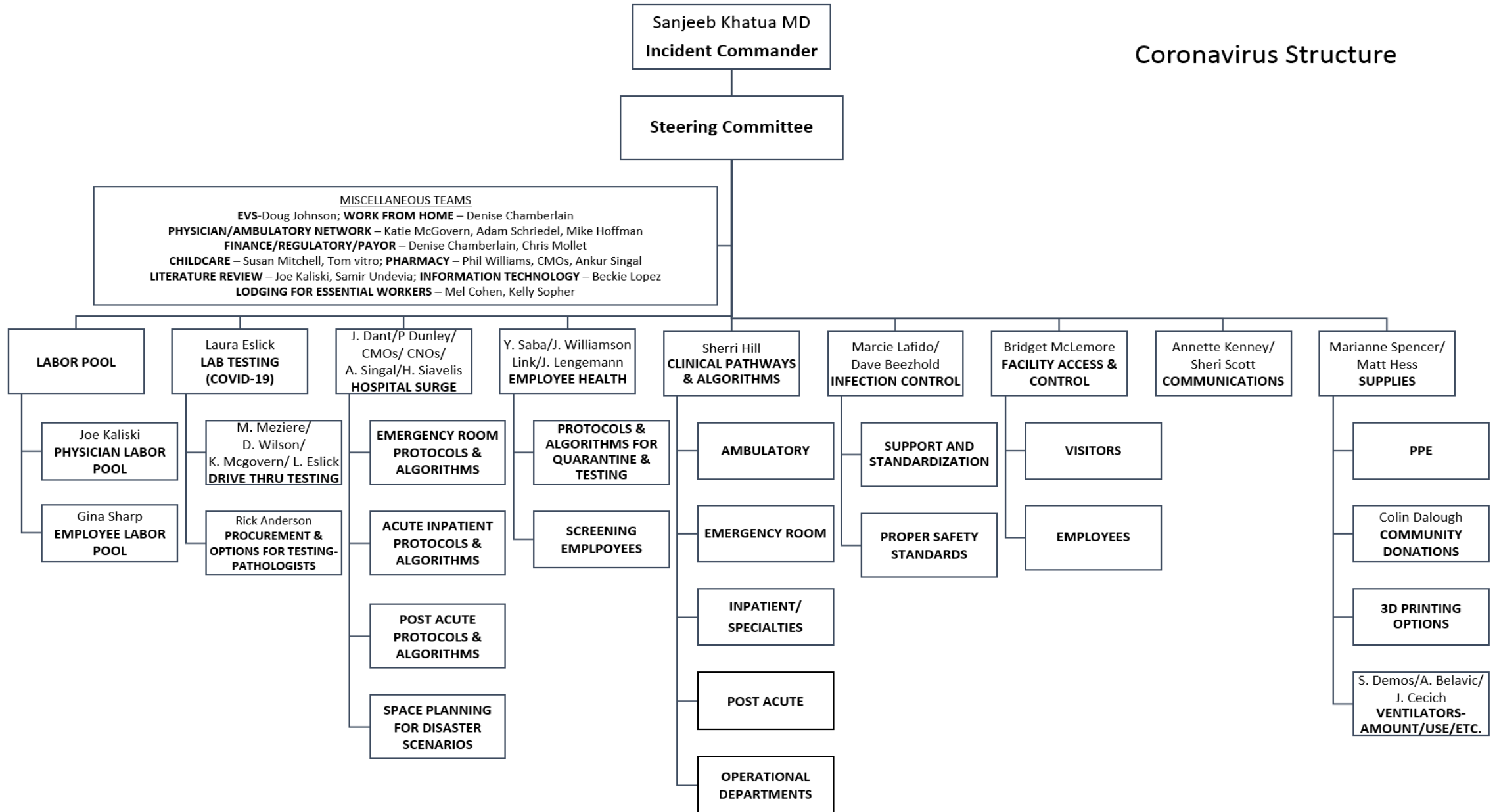
Timeline of Events December - March



Timeline of Events March - April



Coronavirus Structure



EEH Response – Strategic Initiatives

- Cohort COVID 19 positive patient
- Create new Units/CCU
- Creation of a hospital surge plan
- Staff for acuity
- New roles to assist nursing staff –team approach
- Verify safe practices (donning and doffing)
- Implement patient centered strategies (iPad, PX rounding, “piece of home”)

EEH Response – Strategic Initiatives

Education and Training

- Isolation and PPE guidelines (constantly changing)
- Protective gear, donning and doffing, and all other protocols relating to COVID-19.
- Cross train staff - unit based orientation
- Daily rounds with MDs and nurses
- Dedicated hospitalists, APNs and CRNAs

EEH Response – Strategic Initiatives

PPE Preservation

- IV pumps outside of rooms
- Baby monitors
- Surgical/reusable gowns
- Cleaning procedures for equipment and PPE
- Reuse of N95 masks – UV boxes or sterilization
- P100 Masks



EEH Key Learnings

- Visibility of senior and unit leadership
- **Constant communication**
- Addressing fear and anxiety
- Follow the science
- Transparency



EEH Covid-19 Executive Dashboard

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COVID-19 at EEH

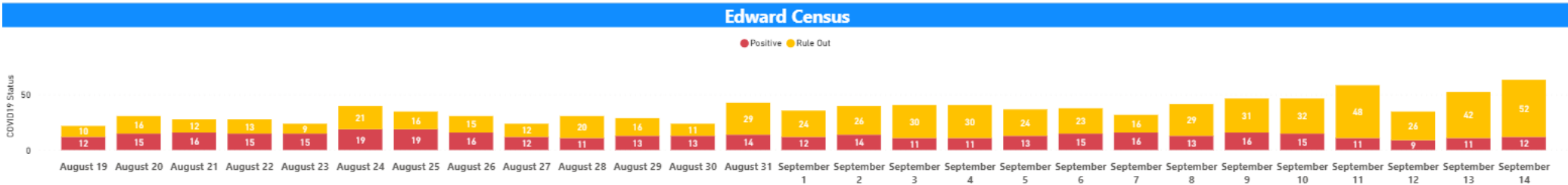
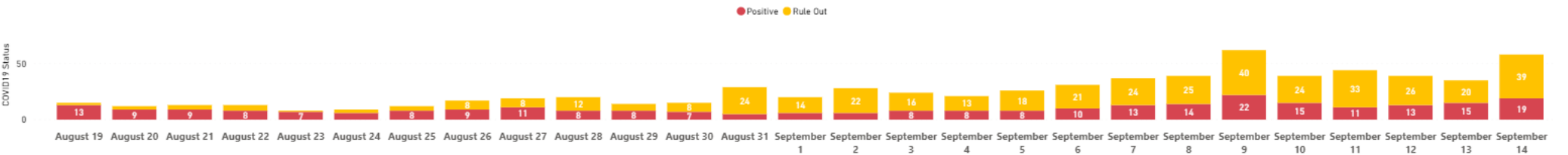
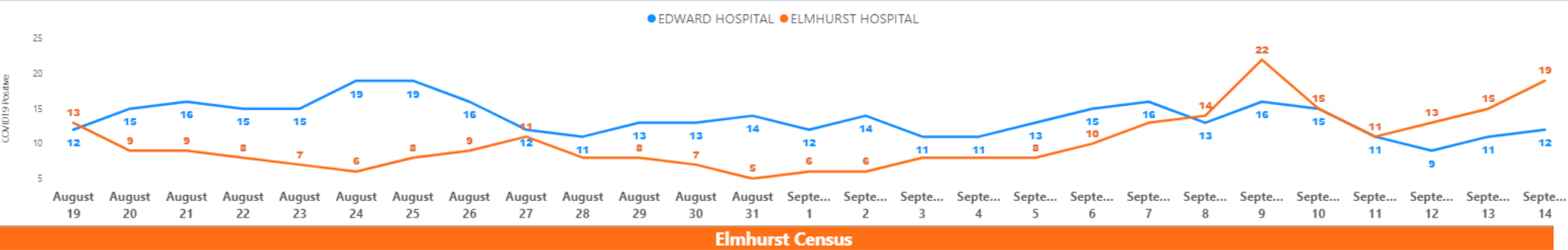
Trend in Inpatient COVID-19 Cases

COVID Daily Census Trend at Midnight

Last Updated On
9/15/2020 12:00:00 AM

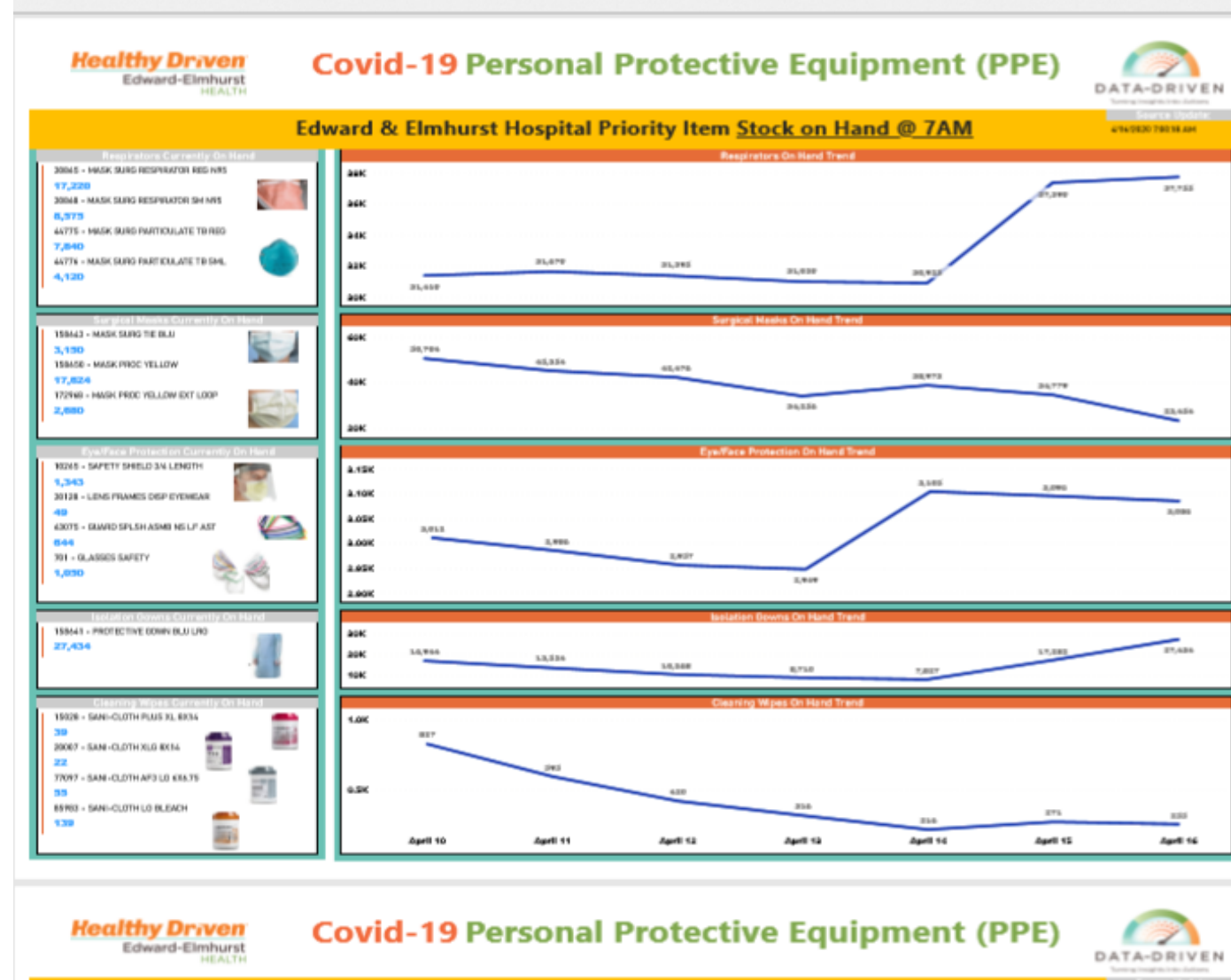


Outpatient in a Bed, Outpatient, Observation, Inpatient, Emergency, Newborn, Hospital Outpatient Surgery



PPE Procurement and Conservation

- National shortages present unprecedented challenges
- Aggressive procurement strategies
- Constant monitoring of supply and burn rates
- Multidisciplinary team to review guidelines, best practices
- Continual updates to algorithms and PPE protocols



COVID-19 Current State at EEH

- Volumes
 - At its peak, > 150 beds across the System were occupied by COVID-19 or 'rule out' patients
 - Approximately 40% of average daily census (*excluding OB, pediatrics*)
- Current State
 - Census (non-COVID-19) continues to rise slowly at both acute care hospitals
 - Higher acuity
 - Longer length of stays
 - Need to focus on improving throughput
- Testing
 - Supplies and allocation continue to be an issue
 - TAT at commercial labs are variable
- PPE
 - Will be impacted by increased TAT for COVID-19 testing – as TAT increases, PPE burn rate increases
 - Prices and allocation variable – competing with all stakeholders for PPE
 - Still a problem 9 months into the pandemic

Covid-19 Vaccine – EEH Response

- Vaccine Taskforce – First Meeting 9/16/20
 - First and foremost – we will assess the science and safety
 - Procurement
 - Internal Stakeholder communication as well as operationalizing immunizations
 - If available to external stakeholders
 - Communication plans
 - Education
 - Implementation Plan
 - Continue to work with legislators and will bring forward information as it is made available

Covid-19 Symptoms – UpToDate

The range of associated symptoms was illustrated in a report of over 370,000 confirmed COVID-19 cases with known symptom status reported to the CDC in the United States:

- Cough in 50 percent
- Fever (subjective or $>100.4^{\circ}\text{F}/38^{\circ}\text{C}$) in 43 percent
- Myalgia in 36 percent
- Headache in 34 percent
- Dyspnea in 29 percent
- Sore throat in 20 percent
- Diarrhea in 19 percent
- Nausea/vomiting in 12 percent
- Loss of smell or taste, abdominal pain, and rhinorrhea in fewer than 10 percent each

Covid-19 Complications

- Acute respiratory distress syndrome (ARDS) is the major complication in patients with severe disease and can manifest shortly after the onset of dyspnea.
- Thromboembolic events
- Acute cardiac injury
- Kidney injury
- Inflammatory complications.

Covid-19 Treatment

- Non Hospitalized – supportive care
- Hospitalized
 - Remdesivir
 - Dexamethasone
 - Anticoagulation
 - Proning
 - Supplemental Oxygen
- No clear benefit of using hydroxychloroquine or chloroquine – potential for toxicity

Social Distancing Assets Available

- Currently in Use in Downtown Naperville
- Available for Deployment for Consistency and Reinforcement



We Have the Experts

- Data Openness
 - How the Pandemic Impacts our Local Communities and Health System
- We are always available – please don't hesitate to ask
 - Award Winning Infection Control Team Ready to Assist
 - Sometimes Businesses Just Want to Talk with an Expert

CRAIN'S 2020
NOTABLE
HEALTH CARE HEROES

What Can You Do?

- PPE & Testing – Be Good Stewards
- Practice and Encourage Good Behavior
 - Wear a Mask
 - Hand Hygiene
 - Physical Distancing



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