

#### Montefiore Medical Center and COVID

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### Dicussion

- Montefiore Medical Center
- Preparing for the COVID Surge
- COVID Numbers
- Isolation
- PPE/Supply Problems
- CLABSI/CAUTI/ C. Diff/ CRE
- Exposures



### Montefiore Medical Center

- Moses
- Weiler
- Wakefield
- CHAM
- Hutch
- Westchester Square
- School of Health
- Over 100 Outpatient Sites





### Preparing for the Surge

- Created additional beds
- Created additional ICU beds
- Redeployed staff from Outpatient Sites and School of Health Sites
- Trained Redeployed staff on EMR, Acute Care Skills etc...
- Installed dialysis plumbing in rooms



# **ICU Surge Locations**

- Pediatric ICUs converted to Adult ICUs
- Stepdown Units converted to ICUs
- ORs
- Cardiac Cath
- PACUs
- Outpatient Pediatrics Clinic w/i the hospital





### Medical Surge Locations

- Conference Rooms
- Auditoriums
- Outpatient Surgery Center

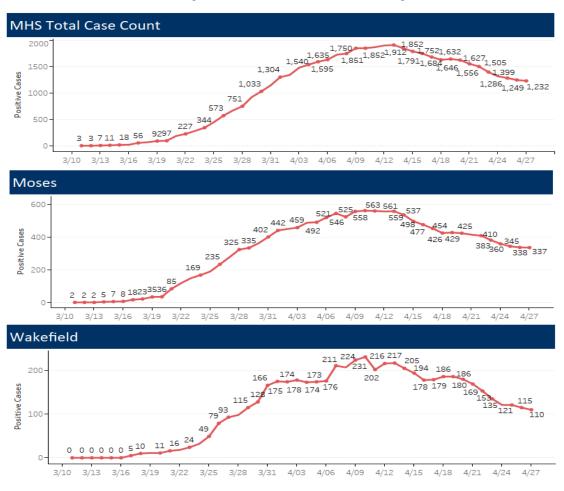


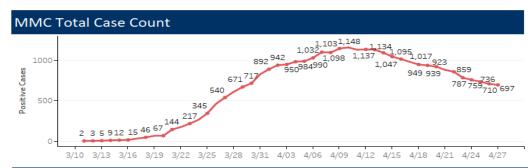


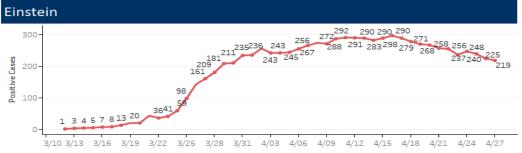


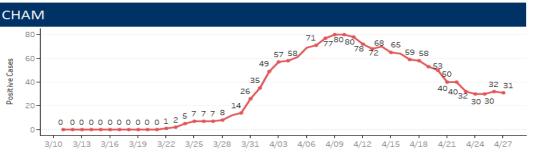
### The Daily Census of COVID

#### Montefiore Health System COVID-19 + Daily Census- Positive Cases Currently Admitted











#### First COVID Positive Patients

- Middle of March first confirmed COVID patients
- Attempted to created COVID Units
- Attempted to create a COVID Hospital
  - 10 patient transport vehicle
- Peaked in Mid April with over 1,100 COVID+ patients at MMC





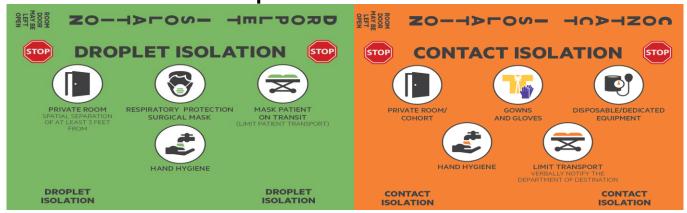
# Admissions vs Live Discharges



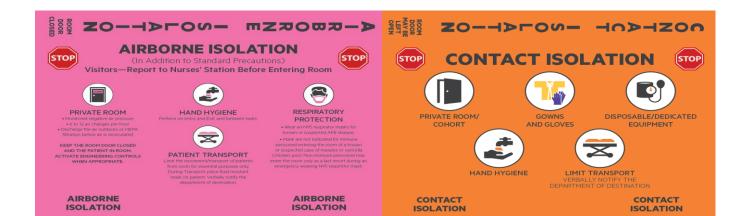


#### **COVID** Isolation

Contact and Droplet-for non AGP



Contact and Airborne-for AGP





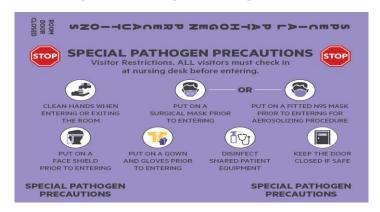
# CRE Outbreak on ICU Surge Unit

- All patients were on CONTACT for COVID
- Staff unable to tell who has MDROs
- Spread of NDM CRE across 2 hospitals
  - Majority of patients were from home
  - Without extensive medical histories



### **COVID** Isolation Solution

SPP w/o AGP



SPP w/ AGP





### **PPE Supply Problems**

- Shortages of N95
  - Fit testing obstacles
  - Extended use
- Shortages of ABHS
  - Refilling wall mounted dispensers
- Shortages of gowns
  - Reuse
  - Extended Use
  - Limiting times entering room/Pumps outside room/Use of Baby Monitors
- Shortages of cleaning supplies
  - Different contact times



## PPE/Supply Problems

- Dialysis Supplies
- Dialysis Rooms
  - Used PD on patients



#### **CLABSI**

- Increase in line days
- Increase in stay
- Majority of patients had pneumonia
- Candida, Enterococcus, and Staph epi bloodstream infections



### **CAUTI**

- Increase in foley days
- Did not see an increase in CAUTI infection
- Did not push bladder scanning protocol
- Did not push CIC



### HO C. Diff

- Decrease in tests sent
- Decrease in HO cases identified
- Increased abx



### HO CRE

- Increase HO CRE cases
- Increase in NDM CRE cases
- Clusters identified in Surge ICU units



### Exposures

- Community COVID rates lowered began exposure workups
- Consumed huge amounts of time
- OHS could not support phone calls
- IPC began making phone calls for visitors, patients, and HCW
- Furlough exposed staff for 14 days
- Furlough exemptions for some HCW/locations



### Issues still in Progress

- Open Bay Dental Dental
- Pre-Procedure Testing
- Routine Testing of Extended Stay Patients
- FluVID testing, isolation, patient placement



### Thank You

