

GNYHA Webinar on Characteristics, Comorbidities, and Outcomes of the Hospitalized COVID-19 Patient

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Planning for the future

- Predictive models
 - How many patients will survive to discharge with tracheostomy?
 - How many will need trach facility + dialysis facility?
 - Monitored settings?
 - Continuous pulse oximetry?
 - Physical therapy
 - Occupational therapy
 - Weaning

Predictive models

- Approximately 100 patients in our ICUs that are currently receiving 'low ventilator settings' (e.g. PEEP \leq 6, FiO₂ \leq 40%).
- These settings would allow a patient to either be extubated or receive a tracheostomy
 - additional clinical characteristics (e.g. depressed/altered mental status, inadequate cardiac function, etc) would drive the clinical decision
- Given our current ICU volume of approximately 500 patients receiving mechanical ventilation
 - low settings' group represents approximately 20% of our vented patient population
- A very conservative estimate is that 50% of this patient volume will progress to tracheostomy; a more liberal value would be 25%

| CRN_FCY_LOC_NM | PTNT_Count | AVG_LOS | AVG_DeviceDays |
|------------------------------|------------|---------|----------------|
| Cohen Children's Medical Ctr | 1 | 78 | 15 |
| Glen Cove Hospital | 12 | 20 | 15 |
| Huntington Hospital | 43 | 23 | 13 |
| Lenox Hill Hospital | 54 | 22 | 9 |
| LIJ Forest Hills | 22 | 13 | 9 |
| LIJ Valley Stream | 12 | 20 | 18 |
| Long Island Jewish Hospital | 108 | 21 | 12 |
| NSUH | 108 | 37 | 16 |
| Plainview Hospital | 14 | 22 | 10 |
| SIUH North | 70 | 22 | 15 |
| SIUH South | 18 | 24 | 15 |
| Southside Hospital | 63 | 20 | 14 |

Predictive Models

- Dialysis
 - Dialysis support in 23% of ventilated patients with COVID
 - In non-vented patients with COVID 0.2% need dialysis
 - 285 patients on ventilators in Northwell system needed HD
 - 157 died
 - 9 were discharged off dialysis
 - 119 are still getting treatment

Planning for the future

- Northwell Plans
 - Eastern region
 - Western region
 - Central region

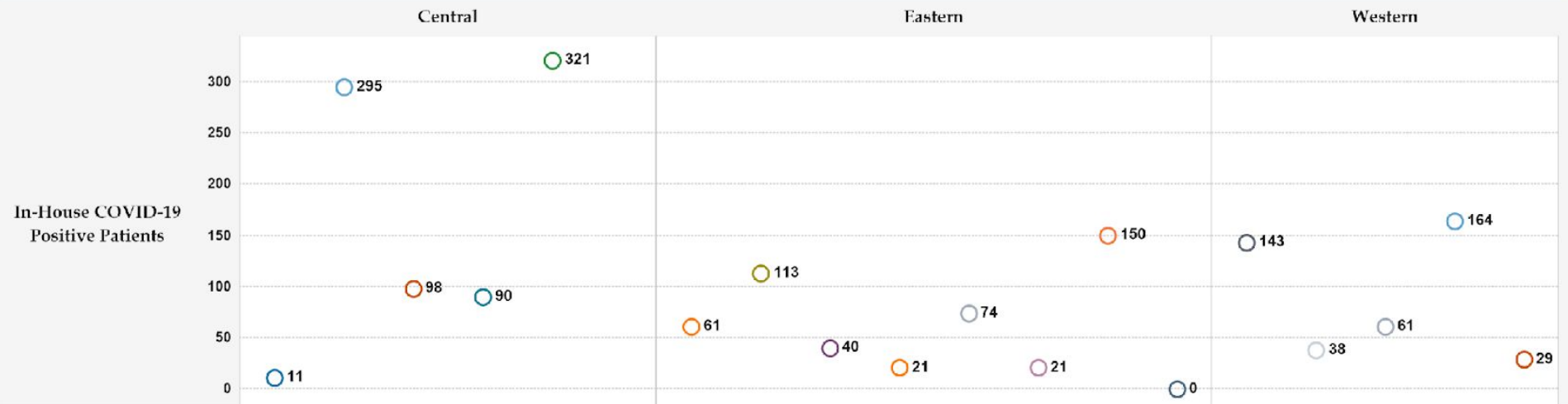
3 PM Reported Values: Northwell Health System

Northwell Health System



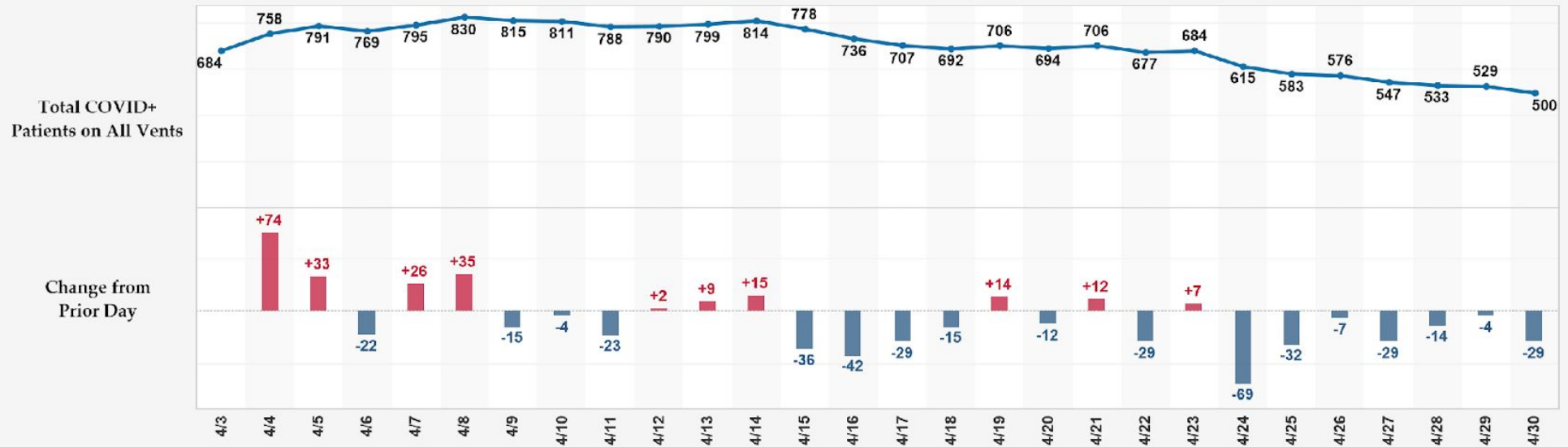
Facility Comparison: As of 4/30/2020 3 PM

3 PM Report



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Northwell Health System



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3 PM Report

