Lessons from Surges and how Home Based Programs can be leveraged to meet the needs of Stressed Hospital Systems

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BACKGROUND

WHAT IS MOUNT SINAI AT HOME?

- > A continuum of home-based care including:
 - > Hospitalization at Home (HaH)
 - > Palliative Care at Home (PCaH)
 - > Subacute Rehabilitation at Home (RaH)

WHAT CLINICAL CONDITIONS CAN WE SERVE?

- ➤ HaH: patients with acute illness requiring hospitalization
 - Most common diagnoses -> UTI/pyelonephritis, asthma/COPD, CAP, viral URI/COVID, CHF
 - ➤ Eligibility criteria -> safe home environment, currently Queens, Bronx, Brooklyn, Manhattan
- PCaH: patients with serious, chronic, life-limiting illnesses requiring close outpatient management
 - Complex illness, symptom management, goals of care and advanced illness planning
- ➤ RaH: patients requiring intensive therapy/nursing services post discharge replaces subacute rehab

WHAT STAFF IS PROVIDING CARE IN OUR COMMUNITY?

- > MSHS Hospitalist Physicians Telehealth
- > Community Based Acute Care Nurses
- > Physical and Occupational Therapists
- > Virtual Care Unit (Care Coordinators, Nurses, SW)

LESSONS FROM PRIOR SURGES

- During a surge, patients may fear/mistrust hospitals and avoid presenting, even for serious illnesses.
- Hospital systems are stressed by surges due to constraints related to hospital beds, isolation needs, infection prevention and geography/access.
- ➤ Palliative Care is relevant for subgroup of patients and can be safely delivered in home setting in partnership with hospice, etc.
- > Telehealth and home-based care are valued and acceptable care delivery models to patients.

QUALITY OF CARE DELIVERED

Quality Metrics	Target	2023	2024 (Q1-2)
% re-Hospitalization	≤10%	7.7%	5.2%
% Treat-and-Release ED Visit	≤5%	5.4%	6.0%
% Unanticipated Mortality	0%	0%	0%
% Fall with Injury	≤1%	0.4%	1.5%
% New Pressure Ulcer	≤1%	0%	0%
% HaH-acquired Infections	≤1%	0%	0%
% Patients who consent to program	≥60%	76%	62%
Likelihood to Recommend Program	≥85%	88%	90%

POPULATION SERVED

- > Patient demographics (2023):
 - o 56% female, 44% male
 - Average age 70
 - 26.4% with non-English preferred language
 - o 39.1% Hispanic, 25.3% White, 21.4% Black
 - o 59.8% Medicare, 10.7% commercial insurance
 - 41.6% enrolled in Medicaid
- > Significant (8-fold) admission growth over past 2 years
- > Reduced strain on limited traditional hospital resources
- >3500 total bed days saved YTD (HaH only)

CLINICAL RELEVANCE

- > Reduced strain on limited traditional hospital resources
- Reserved inpatient isolation beds for more critically ill patients, facilitate discharge and hospital avoidance for high-risk populations.
- > Decreased risk of infection transmission/exposure.

SURGE POTENTIAL AND BARRIERS

- ➤ In a surge, Mount Sinai at Home could flex up to care for dozens of patients outside of our EDs/hospitals.
- Regulatory relaxation in an emergency would help to facilitate rapid growth, including:
 - Waiver of Article 36 home care requirements
 - Paramedic role expansion
 - Pharmacy chain of custody

CONCLUSIONS

- Mount Sinai at Home is uniquely positioned to provide safe and effective home-based care to a diverse patient population.
- ➤ In a surge state, Mount Sinai at Home offers a promising solution to alleviate overwhelming patient volume and strained hospital resources while achieving high-quality patient care.
- Mount Sinai at Home is currently in a phase of rapid growth with the ability to scale further in the event of a surge.

ACKNOWLEDGEMENTS

Thank you to our many inter-disciplinary partners across MSHS who play a vital role in transitioning our patients' care home, including inpatient clinical teams, MSH/MSM pharmacy, Mount Sinai CAM pharmacy, MSH/MSM clinical labs and Throughput.