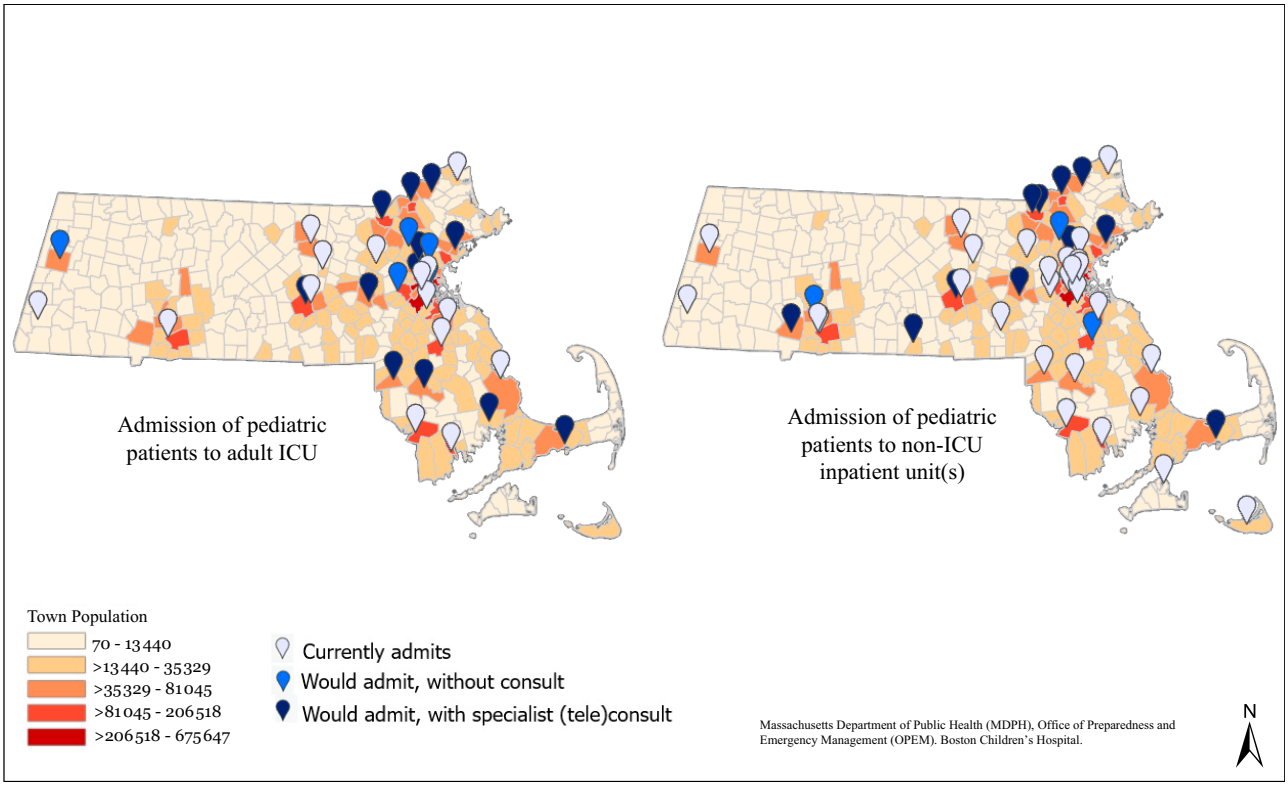
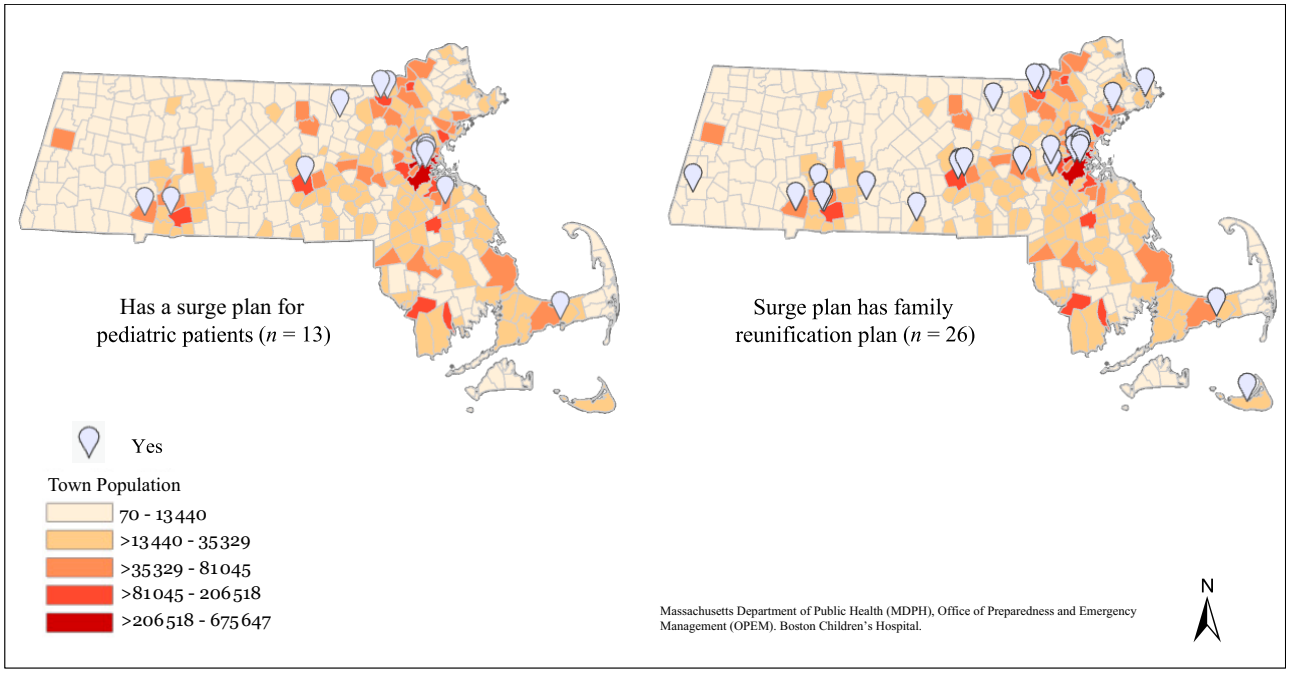
Supplemental Information



SUPPLEMENTAL FIGURE 3
Pediatric inpatient bed capabilities in adult units during a surge situation overlying overall population density for Massachusetts.



SUPPLEMENTAL FIGURE 4
Distribution of pediatric disaster policies in Massachusetts.

SUPPLEMENTAL TABLE 5 Licensed Hospital Capacity and Hospital Characteristics of Nonrespondents ($N = 6$)

Characteristics	*N*
Total hospital licensed inpatient capacity	
Pediatric non-ICU	28
Pediatric ICU	0
Neonatal non-ICU	67
Neonatal ICU	18
Hospital characteristics	
Annual pediatric volume, *n*(%)	
Low	0 (0)
Medium	2 (33)
Medium-high	3 (50)
High	1 (17)
Trauma designation, *n*(%)	
Hospitals with no trauma designation	4 (67)
Hospitals with trauma designation	
Adult only	
Level 1	0 (0)
Level 2	0 (0)
Level 3	2 (33)
Level 4	0 (0)
Adult and pediatric	
Adult level 1 or pediatric level 1	0 (0)
Adult level 1 or pediatric level 2	0 (0)
Adult level 2 or pediatric level 2	0 (0)
Pediatric only	
Level 1	0 (0)
Level 2	0 (0)

SUPPLEMENTAL TABLE 6 Minimum Age Cutoff for Conversion of Adult Beds for Pediatric Patients

	0–<1 y, *n* (%)	1–5 y, *n* (%)	6–11 y, *n* (%)	12–15 y, *n* (%)	16–17 y, *n* (%)
Inpatient non-ICU, $n = 15$	4 (27)	0 (0)	0 (0)	8 (33)	3 (20)
ICU, $n = 18$	5 (27)	0 (0)	0 (0)	9 (50)	4 (22)

SUPPLEMENTAL TABLE 7 Statewide Pediatric Clinical Care Therapies Capacity by Age Capability

Total hospitals with pediatric therapy capacity during normal operations by lowest age capability	0–<1 y, *n* (%)	1–5 y, *n* (%)	6–11 y, *n* (%)	12–15 y, *n* (%)	16–17 y, *n* (%)
Therapy					
Extracorporeal membrane oxygenation	4 (7)	1 (2)	0 (0)	0 (0)	1 (2)
High frequency oscillation ventilation	5 (9)	2 (4)	0 (0)	0 (0)	0 (0)
Mechanical ventilation	12 (21)	2 (4)	1 (2)	1 (2)	0 (0)
High flow nasal cannula	16 (28)	2 (4)	1 (2)	1 (2)	1 (2)
Continuous nebulization	13 (22)	4 (7)	1 (2)	0 (0)	1 (2)
Hemodialysis	4 (7)	1 (2)	1 (2)	0 (0)	0 (0)
Peritoneal dialysis	5 (9)	1 (2)	0 (0)	0 (0)	0 (0)
Total hospitals able to convert adult therapies for pediatric patients in event of disaster surge situation by lowest age capability					
Therapy					
Extracorporeal membrane oxygenation	4 (7)	0 (0)	0 (0)	4 (7)	2 (4)
High frequency oscillation ventilation	5 (9)	0 (0)	0 (0)	3 (5)	3 (6)
Mechanical ventilation	16 (28)	3 (5)	0 (0)	6 (10)	8 (14)
High flow nasal cannula	19 (33)	3 (5)	1 (2)	5 (9)	12 (21)
Continuous nebulization	16 (28)	4 (7)	3 (5)	5 (9)	11 (19)
Hemodialysis	3 (5)	0 (0)	1 (2)	1 (2)	7 (12)
Peritoneal dialysis	4 (7)	0 (0)	0 (0)	1 (2)	6 (10)

SUPPLEMENTAL TABLE 8 Staff Caring for Pediatric Patients During Normal Operations

Training and Staff	Total Hospitals, *n* (%)
Physician training for pediatric patients	
Emergency medicine	57 (98)
Family medicine	18 (31)
General pediatrician	22 (38)
Pediatric emergency medicine	13 (22)
Pediatric hospitalist	20 (35)
Pediatric intensivist	6 (10)
Any pediatric subspecialist	7 (12)
Other	9 (16)
Advanced practice providers for pediatric patients	
Nurse practitioner	30 (52)
Physician assistant	26 (28)
Anesthesia provider on-site (24 h a day, 7 d a week) capable of managing pediatric airways	34 (59)
Certified pediatric nurses	19 (33)
Certified pediatric pharmacists	7 (12)
Certified pediatric respiratory therapists	11 (19)
Child life	12 (21)
NICU staff available to assist other hospital departments outside of NICU	22 (38)