

NC DEPARTMENT OF HEALTH AND HUMAN SERVICES



NC Pandemic Perspectives: Emergency Management and Emergency Services

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HEALTHCARE PREPAREDNESS PROGRAM

Healthcare Preparedness Program

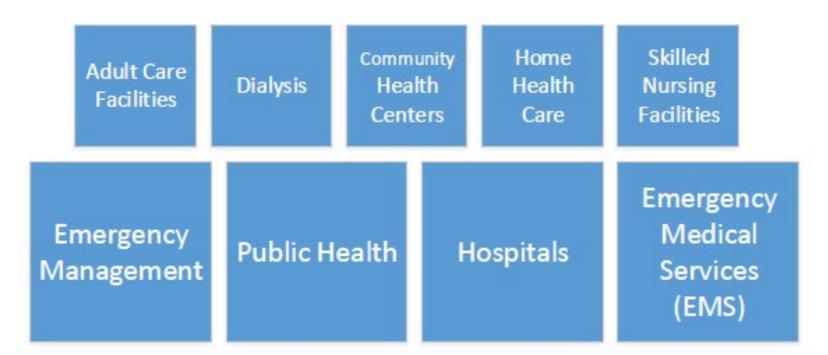
Partnering for a Prepared & Resilient North Carolina

Mission Statement

 "Partner with healthcare and emergency response organizations working to prepare for, mitigate, respond to, and recover from emergencies and disasters affecting the residents and guest of North Carolina"



Communication, Coordination, Collaboration



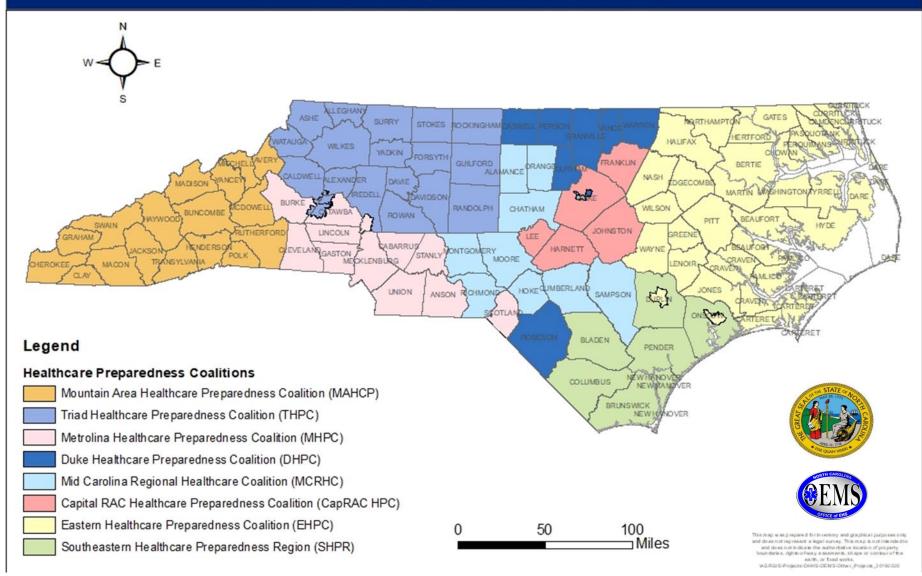
Healthcare Coalition

NC Healthcare Preparedness Program

Goals of Healthcare Coalitions:

- -Strengthen Healthcare Preparedness
- -Support Continuity of Operations
- -Enhance Situational Awareness
- -Improve Incident Management
- -Augment Medical Surge

Healthcare Preparedness Coalitions



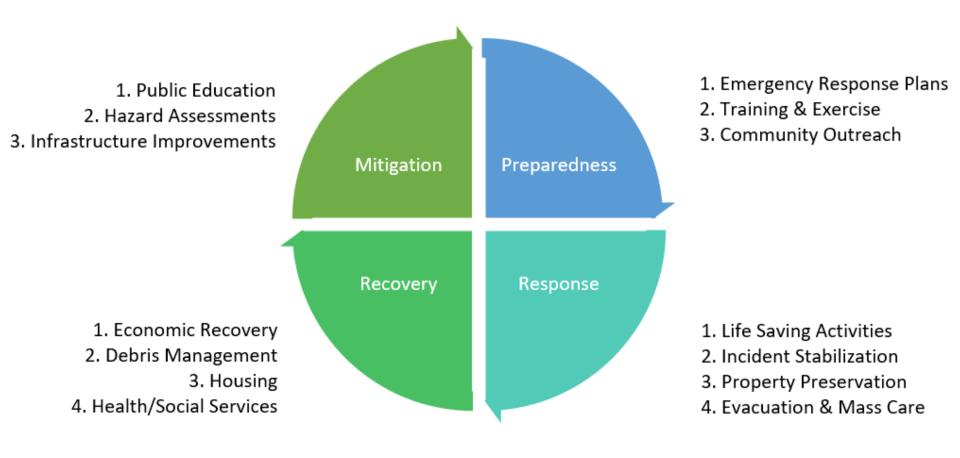
North Carolina Emergency Management Chapter 166A General Statute



Emergency Support Functions



Emergency Management Overview



Healthcare Preparedness Program

- NC Emergency Management Act – Chapter 166A General Statute
- NC Emergency Operations Plan – NCOEMS is the lead agency for ESF-8



- Disaster Medical Services Responsibilities
 - Medical Sheltering
 - Mass Patient Movement
 - Healthcare Surge Capacity (Stuff, Staff, Space)
 - Provision of emergency responder health and safety
 - Provision of medical command and control

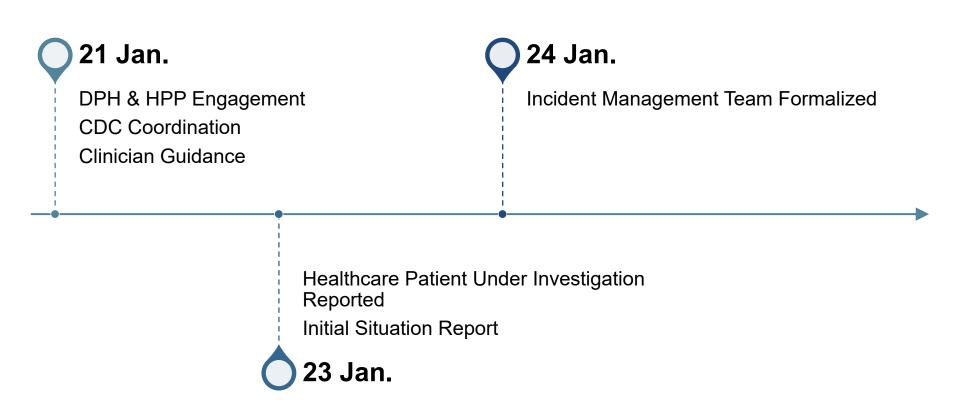
Build Capabilities

"Capabilities-based planning is defined as planning under uncertainty, to build capabilities suitable for a wide range of threats and hazards while working within an economic framework that necessitates prioritization and choice." **

** The Technical Cooperation Program – Guide to Capabilities – Based Planning



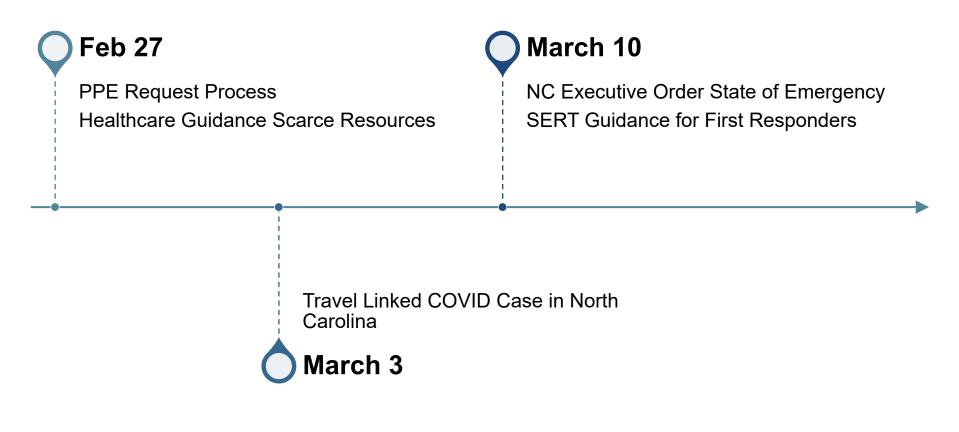
COVID-19 Timeline – State Coordination



Initial Focus Areas



COVID-19 Timeline – State Coordination



OEMS COVID-19 Responsibilities

Medical Surge	Supply Chain	Supply Chain Support					
	PPE	Long-Term Care Outbreak Response					
Planning Healthcare Specific Guidance Stakeholder Engagement	Distribution Warehouse Operations COVID Response Supply Levels	Staffing Support Outbreak Response Local & Regional Coordination	 Pharmaceut Vaccine Planning Support Pharm Allocation Logistics Support 	ical Interventions Hospital Data DHHS Dashboard HHS/CMS Compliance Operational Triggers			

**Responsible for ESF8-Medical resource requests through State Emergency Response Team

Healthcare Response Coordination

- 150+ Planning & partner engagement webinars specifically for healthcare partners
- Statewide Patient Coordination Team
- Medical Surge Operational Triggers & Dashboard
- Healthcare Leadership Engagement
- Healthcare Specific Guidance Documents
- Stakeholder Email Updates



Considerations for Managing Medical Surge

EMS Agency Preparedness Checklist for COVID-19

Guidelines for Allocation of Personal Protective Equipment (PPE)



NC Healthcare Supply Conservation Considerations

NC OFFICE OF EMERGENCY MEDICAL SERVICES

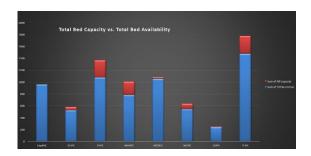
Requests Status and Overview Reporting period: 4/1/2020 - 7/16/2021

<u>Si</u>	tatus of Requests			Items Req	uested		Push Initiatives				
Total Quantity Requested				Total Items F	ems Requested Number of Requests						
10	02,630,47	5		81,3	05			16,0	14		
Total Quantity of Items	Requested				Status of request	ts received by s	submission ID				
		Items Requested	Total F	Requested	Pending	Support Cell Received	Support Cell Vetted	Warehouse Received	Complete	Grand Total	
Requests - Healthcare Facilit	lies	4	6,523	37,887,978	4,245 (43%)	1 (0%)	324 (3%)	10 (0%)	5,364 (54%)	9,944 (100%)	
Requests - NonHealthcare F	acilities	2	7,170	16,288,740	1,075 (21%)		160 (3%)	38 (1%)	3,862 (75%)	5,135 (100%)	
Push Initiative			7,612	48,453,757	302 (32%)		11 (1%)	4 (0%)	620 (66%)	936 (100%)	
Grand Total		8	1,305	102,630,475	5,621 (35%)	1 (0%)	495 (3%)	52 (0%)	9,846 (61%)	16,014 (100%)	
Status by PPE category Select: by PPE category	y (quantity of ite						Reques	t Status			
mosiour noo nooprat	No. Requests	Total Requested	Pending	Vetted	Warehouse Received	Complet				47,576,618	
Medical Procedural M	4,656	13,624,000	4,625,795	111,027	7,300	9,516,87					
Needles	0		2,000								
Non-Medical Masks	5,840	27,441,121	28,167,506	501,899	40,798	8,418,58	33				
Other	892	2,309,085	3,452,545	3,894	500	566,28	30				
Other Respirators	157	3,562	30		100	3,43	32			1,844,081	
PAPR/CAPR Compon	9	890	4,570							1,044,001	
Purifying/Pressure Re	16	220	220				108,023,66	5 3			
Sharps Containers	0		800								
Shoe Covers	836	1,002,119	763,328	18,355		220,43	36				
Syringes	0		2,200				Complet	e	, DI	STATE OF ALL	
Thermometer	2,565	228,596	133,328	776	20	94,47	72 Wareho	use Received	STOR R	PAN 20. 1775 ORT	
Vaccine Diluents	0		42				Vetted		E C		
Ventilator	1	14	74				Support	Cell Received	US H		
Grand Total	16,014	102,630,475	107,812,006	1,844,081	150,684	47,576,61	18 Pending		11 × 25	AVRIL 12. 1770	



Long-Term Care Outbreak Support





STATEWIDE STATISTICS

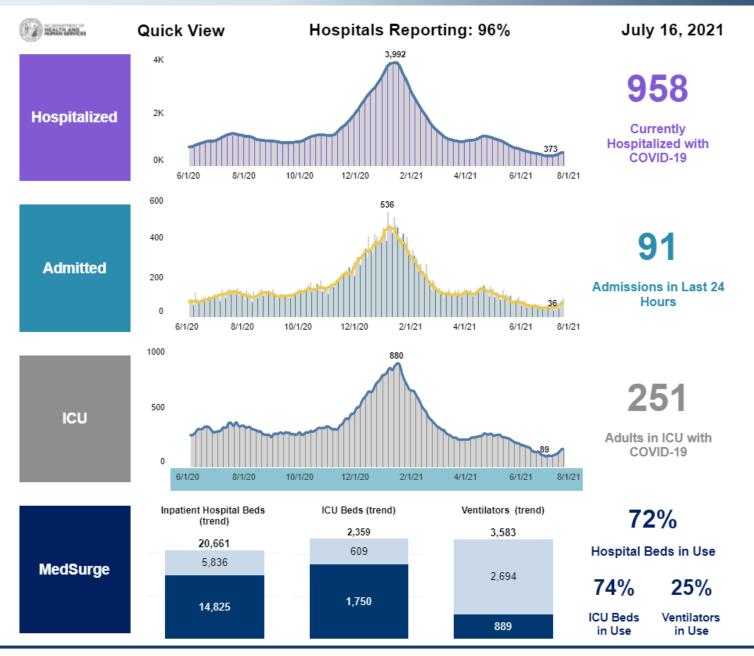
- 2019 Licensed ICU Bed Capacity = 3223
- 2019 Licensed Acute Care Beds = 21222
- Percentage of Hospitals Reporting Statewide = 87%
- Total ICU Beds Available = 635
- Total Number of Patients on Ventilator (not specific to COVID 19) = 624
- Total Number of COVID-19 Positive Patients Admitted in Hospital = 184
 Total Number of Inpatient Hospital Beds Full = 10899 / Empty = 7156 and Extra = 4989
- Total Number of Ventilators in Hospitals = 3014

NORTH CAROLINA MEDICAL SURGE SURVEY

Date: March 10, 2020

Data Driven Response

Hospital Data



NC OFFICE OF EMERGENCY MEDICAL SERVICES

Hospital Data



Operational Triggers

① Triggers will be identified for appropriate levels of response

Select Date

7/16/2021

Triggers	ICU Beds Availability	Total Beds Availability	ICU COVID-19 Patients	COVID-19 Admissions	COVID-19 Patients	Ventilators Availability
Code Green	No Alerts	No Alerts	No Alerts	No Alerts	No Alerts	No Alerts
Code Yellow	<15%	<0	3% increase over a 3-day timeframe	3% increase over a 3-day timeframe	>2% over 3-day timeframe	<20%
Code Red	<7.5%	<-10%	10% increase over 5-day timeframe	10% increase over 5-day timeframe	>3% over 5-day timeframe	<10%
Code Black	<5%	<-25%	15% increase over 7-day timeframe	15% increase over 7-day timeframe	>4% over 7-day timeframe	<5%

Trigger Status by Flu Region

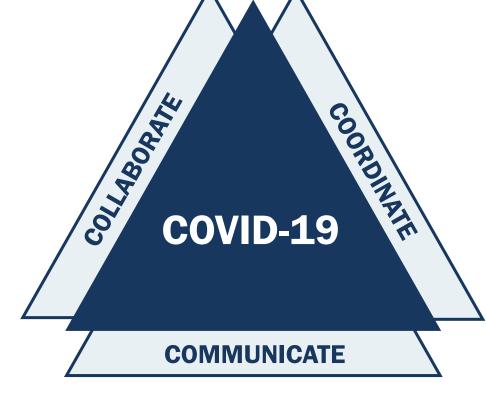
	ICU Beds A	vailability	Total Beds A	vailability	ICU COVID-19	Patients	COVID-19 Admis	ssions	COVID-19 Patie	ents	Ventilators Av	vailability
Code Status No Alerts Code Yellow Code Red	1		1		1	•	1		1		1	
Code Red	2		2		2		2		2		2	
	3		3		3		3		3		3	
	4		4		4	•	4	•	4		4	
	5	•	5		5		5		5		5	
	6		6		6		6		6		6	

NCDHHS Med Surge Response Framework

Stuff (PPE, tests, etc.) COLLABORDIE Staff (contingency, safety, etc.) Space (clean vs. sick, waiting areas, disinfecting, etc.)

Standards of care

(guidance for transfers, triage, etc.)



Medical Surge Triggers

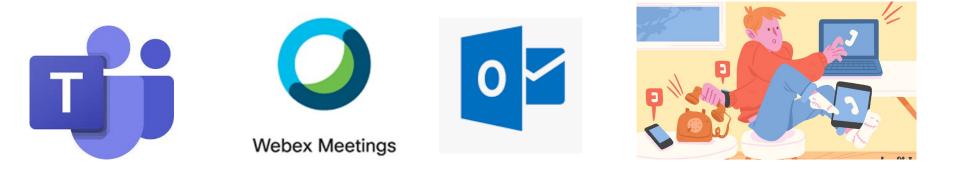
Phase	Phase Name	Regional Trigger	Statewide Trigger	Key Actions
Phase 1	Healthcare System operating at Conventional Capacity	Known local spread of highly infectious disease or newly emerged disease	Known regional spread of highly infectious disease or newly emerged disease	 Assess availability of assets & resources Procurement of additional resources Monitor metrics
Phase 2	Healthcare System operating at Contingency	≤7.5% Total Staffed Adult and/or Child ICU Capacity Available	Three or more regional triggers	 Increased monitoring of daily metrics Regular cadence
	Capacity	≤10% Total Staffed Inpatient Bed Capacity Available	≤30% Total Staffed Inpatient Bed Capacity Available	regional coordination call Healthcare situation reports

Medical Surge Triggers

Phase	Phase Name	Regional Trigger	Statewide Trigger	Key Actions
Phase 2.5	Healthcare System operating at Contingency Capacity	≤5% Total Staffed Adult and/or Child ICU Capacity Available ≤0% Total Staffed Inpatient Bed Capacity Available	≤15% Total Staffed Adult and/or Child ICU Capacity Available ≤10% Total Staffed Inpatient Bed Capacity Available	 Regular cadence statewide patient capacity coordination calls Mobilize State Coordinated Alternate Care Sites
Phase 3	Healthcare System operating at Crisis Capacity	Use of inpatient temporary space (using tents, mobile facility, or other alternate care space outside facility)	Use of inpatient temporary space (using tents, mobile facility, or other alternate care space outside facility) in two or more regions	 Activate State Coordinated Alternate Care Sites Activation of statewide patient movement team Recommend suspension of non-urgent surgeries

Best Practices

- Small group communication (trust, best practices, early awareness of issues)
- Frequent coordination calls with regional & local partners
- Continuous process improvement
- Full-time temporary staff to support response





OUR VALUES

Intentionally promote an inclusive, equitable workplace that reflects the communities we serve, where everyone feels a sense of belonging, and our diverse backgrounds and experiences are valued and recognized as strengths.

Have joy and balance at work so we all bring our A-game when serving the people of North Carolina.

Focus on the people we serve, deliver value and make a positive impact on their lives and communities.

Maintain an open and trusting environment for collaboration and continuous improvement with our team, stakeholders and the people we serve.

Be good stewards of resources and time to create a positive impact for those we serve.

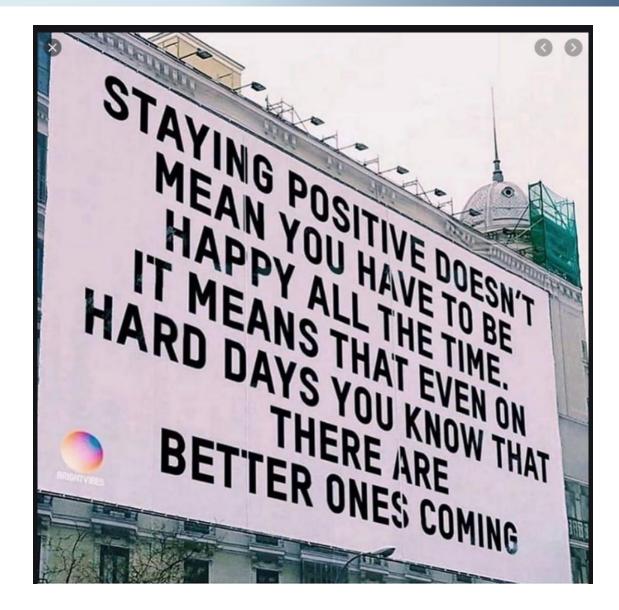
We are all one department, one team, working toward one goal: to improve the health, safety and well-being of all North Carolinians.

Share expertise, information and honest feedback within the Department and with stakeholders and the community. Ask for help when needed.

NC OFFICE OF EMERGENCY MEDICAL SERVICES

Lessons Learned

- Systems are not prepared for sustained longterm response – need a plan for extended responses
- More gaps exist in our Healthcare System Preparedness than previously aware
- Need adequate emergency response staffing & training before prolonged crisis hits
- Partnerships need to exist outside normal lanes
- Clear lines of communications based on command structure



Contact Information:

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