

# Building Business Continuity for Health Care's Future

Shanley Miller Business Continuity Manager, Mass General Brigham

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MGB Department of Emergency Preparedness & Continuity | Confidential-do not copy or distribute

### Presenter



### Shanley Miller Business Continuity Manager Mass General Brigham

Shanley Miller is the Business Continuity Manager with Mass General Brigham (MGB), Department of Emergency Preparedness and Continuity. In this role, she develops an emerging Continuity Program to serve the demands of a healthcare system while meeting the needs of its individual entities. Prior to joining MGB, Ms. Miller developed her passion for preparedness working within the United States federal government and biotechnology industry.

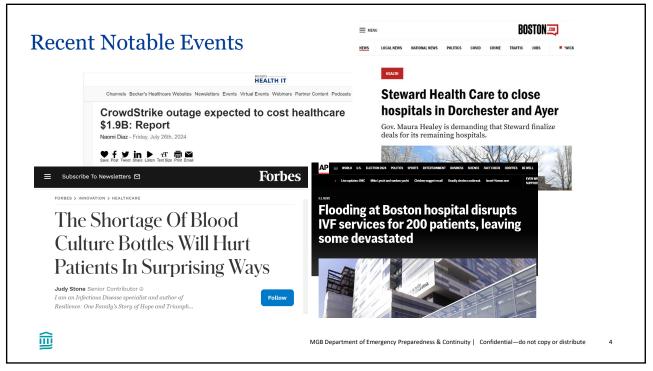
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California Hospital Association

### **Disclosure of Relevant Financial Relationships**

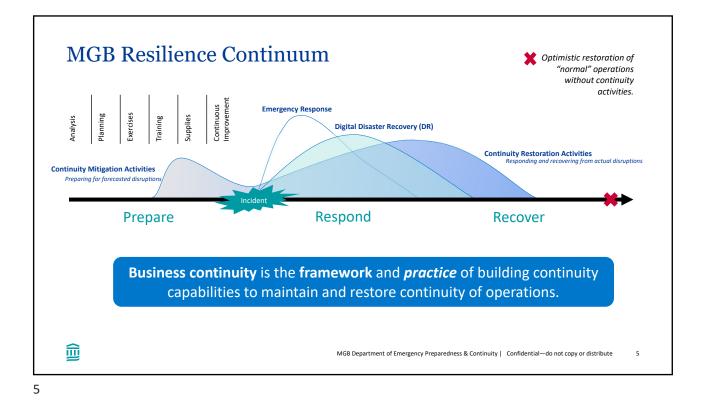
Shanley Miller has disclosed the following relevant financial relationships or relationships she has with ineligible companies of any amount during the past 24 months: External contractor for Moderna LLC (relationship has ended).

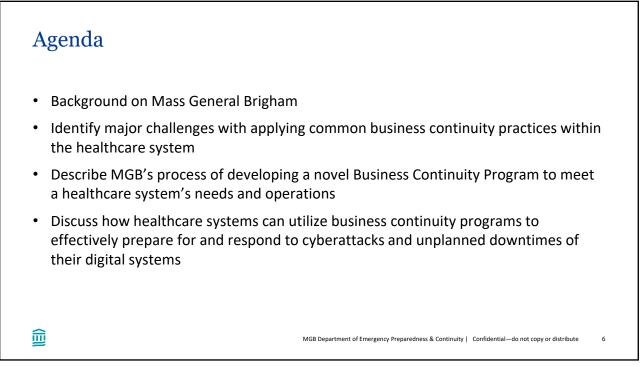
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### About Mass General Brigham



Mass General Brigham (MGB) is an integrated academic health care system, uniting great minds to solve the hardest problems in medicine for our communities and the world. Mass General Brigham connects a full continuum of care across a system of **academic medical centers**, **community and specialty hospitals**, a health insurance plan, physician networks, community health centers, home care, and long-term care services.

Mass General Brigham is a nonprofit organization committed to patient care, research, teaching, and service to the community.

In addition, Mass General Brigham is one of the nation's leading biomedical research organizations with several Harvard Medical School teaching hospitals.

#### Patient care

From routine care to the most complex cases, we offer comprehensive, full-circle clinical care to our patients, starting and ending at home.

### Research and discovery

Because we are built on a legacy of medical discovery, our researchers push the boundaries of knowledge and advance medicine in new and innovative ways.

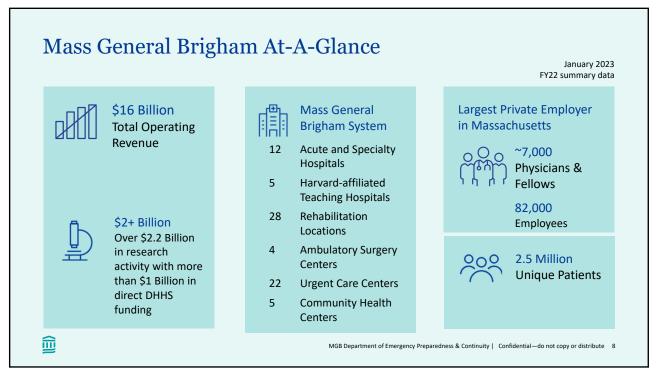
### Teaching

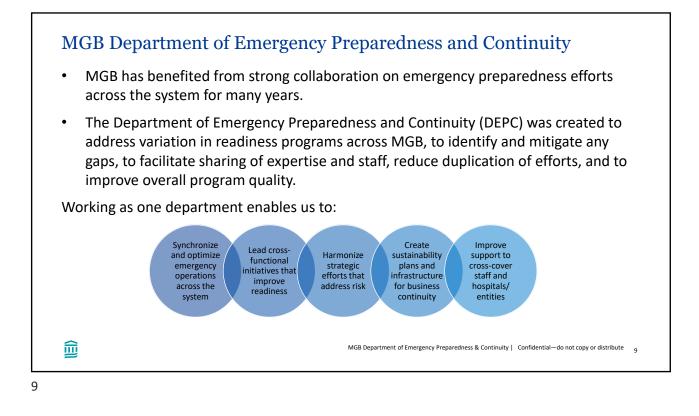
We have over 100 accredited physician residency and fellowship programs, and over 2,000 trainees preparing to be the healers of tomorrow.

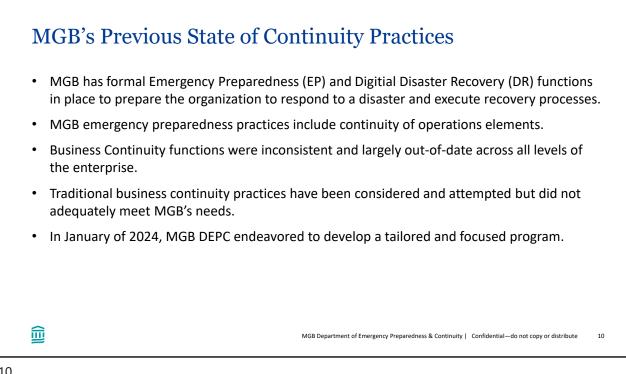
#### Community

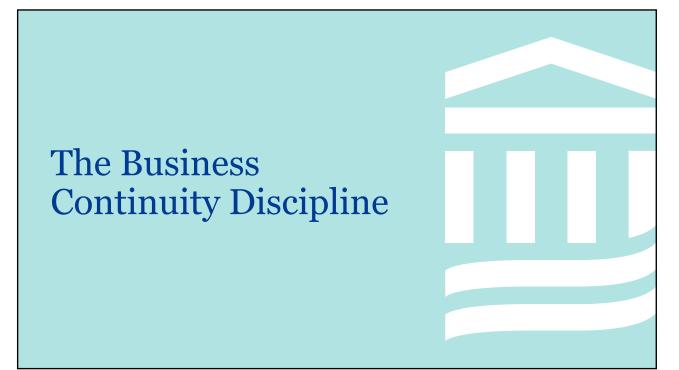
We have five licensed and 15 affiliated community health centers. We have diverse community partnerships to support our local residents.

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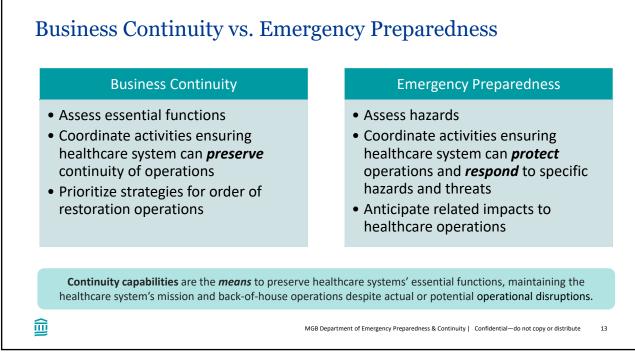




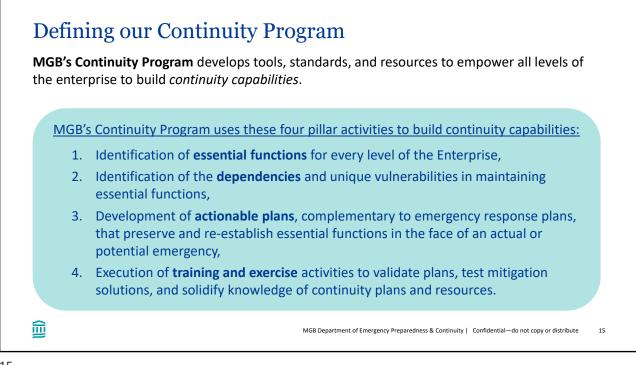








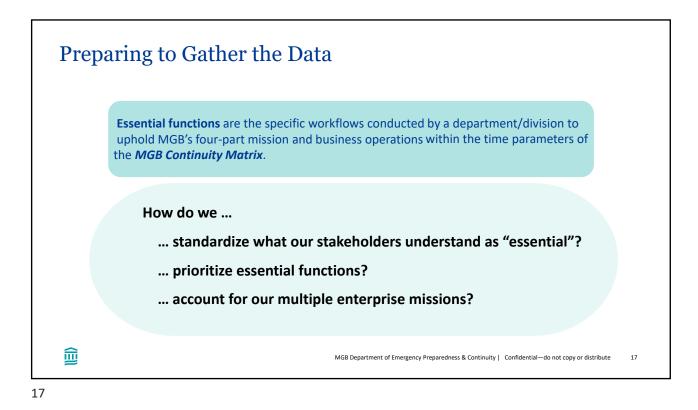




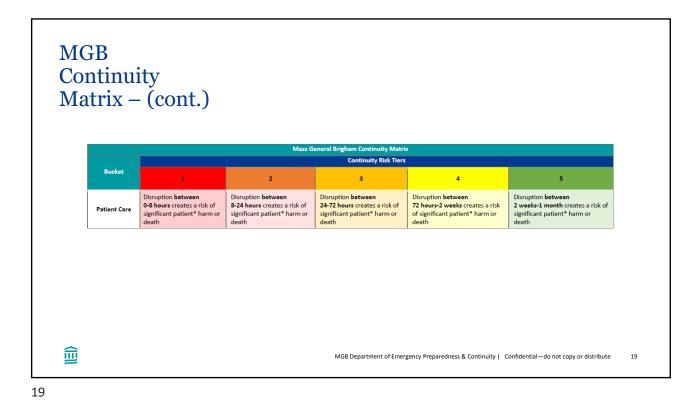
## Developing a Capability-Based Continuity Approach

We shaped the development of MGB's Continuity Program through a series of white board sessions with a multidisciplinary leadership team.

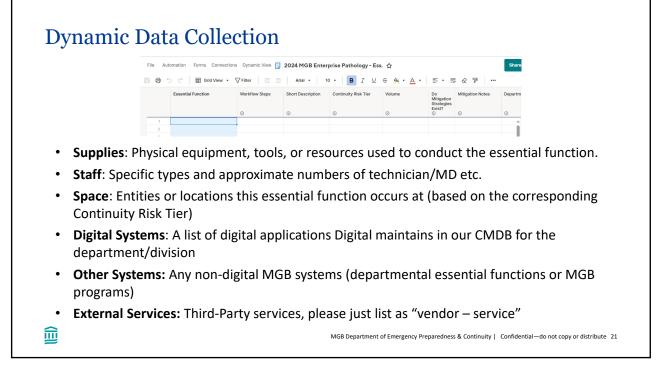
Observation	Goal
MGB emergency preparedness practices include continuity of operations elements.	Our program needs to enhance and align with emergency preparedness capabilities and resources.
Traditional business continuity practices (BIAs, etc.) were ill received by clinical partners and broader enterprise stakeholders.	Our program needs to be easily digestible and minimally invasive for all levels of our enterprise.
Continuity is a learned skill that uses data actively for mitigation and response. Plans and data cannot sit stagnant on a shelf.	Our program must have live and assessable interactive data across our response teams.
Continuity is a bridge between digital/technical teams and operational team activities.	Our program must coordinate with digital response teams to link tools and develop clear definitions.
Our continuity program has significant executive support.	Our program needs to gain buy in from the departments/divisions and function owners.
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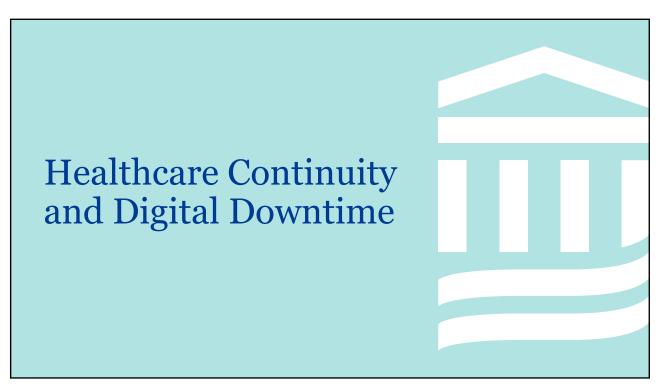
Mars G Continuity Risk Tier Bucket MGB 3 4 5 Disruption **between 0-8 hours** creates a risk of significant patient\* harm or death Disruption **between** 24-72 hours creates a risk of significant patient\* harm or death Disruption **between** 8-24 hours creates a risk of significant patient\* harm or death Disruption **between** 72 hours-2 weeks creates a risk of significant patient\* harm or death Disruption **between** 2 weeks-1 month creates a risk of significant patient\* harm or death Continuity Patient Care Matrix -Disruption between 2 weeks-1 month creates a risk of unacceptable harm to study subject(s), deviation from study protocol, inability to maintain regulatory compliance, or loss of data, research animals, reagents, and or seventer. Disruption between 24-72 hours creates a risk of unacceptable harm to study subject(s), deviation from ruption between ruption between Disruption between D-8 hours creates a risk of unacceptable harm to study subject(s), deviation from study protocol, inability to maintain regulatory compliance, or loss of data, recearch astrong 8-24 hours creates a risk of unacceptable harm to study 72 hours-2 weeks creates a risk of unacceptable harm to study subject(s), deviation from study protocol, inability to maintain regulatory compliance, or loss of data, subject(s), deviation from study Research study protocol, inability to protocol, inability to maintain regulatory compliance, or loss of data, research animals, maintain regulatory compliance, or loss of data, earch animals, reagents, research animals, reagents, research animals, reagents, reagents, and/or samples, and/or samples and/or samples. and/or samples. and/or samples. Disruption between Disruption between Disruption between Disruption between Disruption between 8-24 hours creates risks that unacceptably interfere with trainees' abilities to 24-72 hours creates risks that unacceptably interfere with trainees' abilities to 72 hours-2 weeks creates risks that unacceptably interfere with trainees' abilities to complete 2 weeks-1 month creates risks that unacceptably interfere with trainees' abilities to complete 0-8 hours creates risks that unacceptably interfere with trainees' abilities to Education complete their assigned work duties safely and/or maintain their assigned work duties safely and/or maintain compliance with usual standards complete their assigned work complete their assigned their assigned work duties safely duties safely and/or maintain compliance with usual work duties safely and/or and/or maintain compliance with maintain compliance with usual standards compliance with usual usual standards standards standards Disruption **between 0-8 hours** creates risks that threaten the enterprise's ability to deliver essential and uninterruptable Disruption **between** 8-24 hours creates risks that threaten the enterprise's ability to deliver essential and uniterruptable community support resources Disruption between 2 weeks-1 month creates risks that threaten the enterprise's ability to deliver essential and uninterruptable community support resources Disruption between runtion between Disruption between 24-72 hours creates risks that threaten the enterprise's ability to deliver essential and uninterruptable community support resources Disruption between 72 hours-2 weeks creates risks that threaten the enterprise's ability to deliver essential and uninterruptable community support resources Community uptable community support resources Disruption between 8-24 hours creates unacceptable risks to the financial, compliance / accreditation or reputational stability of the enterprise Disruption **between** 72 hours-2 weeks creates unacceptable risks to the financial, compliance / accreditation or reputational stability of the enterprise Disruption **between 0-8 hours** creates unacceptable risks to the financial, compliance / Disruption **between** 24-72 hours creates unacceptable risks to the financial, compliance / Disruption between 2 weeks-1 month creates unacceptable risks to the financial, compliance / Departmental Services accreditation or reputational stability of the enterprise accreditation or reputational stability of the enterprise accreditation or reputational stability of the enterprise \*The term patient refers to those receiving medical care or monitoring by all MGB entities and programs, inclusive of clinical research. MGB Department of Emergency Preparedness & Continuity | Confidential-do not copy or distribute 18



Departments/divisions have the subject matter expertise and operational knowledge. Standard Downtime Continuity Project Structure						
Step 1: Define Scope	Step 2: Identify Essential Functions	Step 3: Conduct Department Impact and Gap Assessment	Step 4: Document Department Continuity Plan			
<ul> <li>Confirm scope</li> <li>Identify department / division functions within scope (e.g., are any functions split with other departments?)</li> <li>Identify departmental team members who will complete project activities</li> </ul>	<ul> <li>Discuss what "function" means</li> <li>Review Essential Function Tracker and related definitions (e.g., dependencies, volume, etc.)</li> <li>Confirm departmental workflow and rhetoric</li> <li>Tier all essential functions using the MGB Continuity Matrix</li> </ul>	<ul> <li>Quantify the volume of essential function activities performed in continuity risk tier timeframe</li> <li>Identify gaps and challenges in the workflow to sustain essential function volumes by tier</li> <li>Identify possible resources and redundancies to sustain workflow</li> </ul>	<ul> <li>Develop plans and processes that support department within appropriate timeframes</li> <li>Where necessary, develop plans for delaying or reducing lower criticality tiers to sustain essential function volumes</li> <li>Document continuity plan with MGB DEPC templates</li> </ul>			



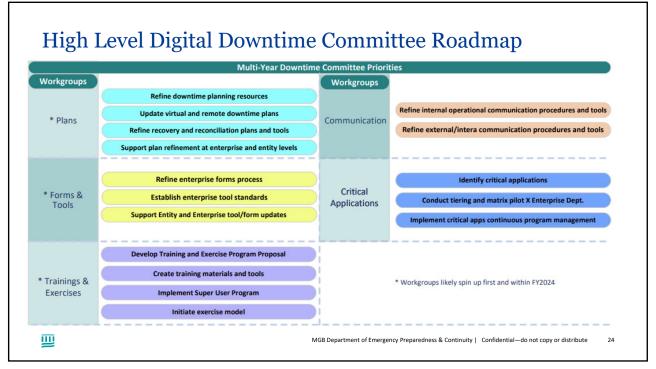


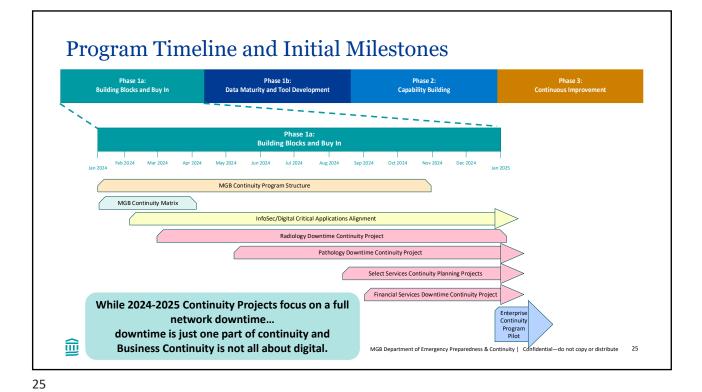


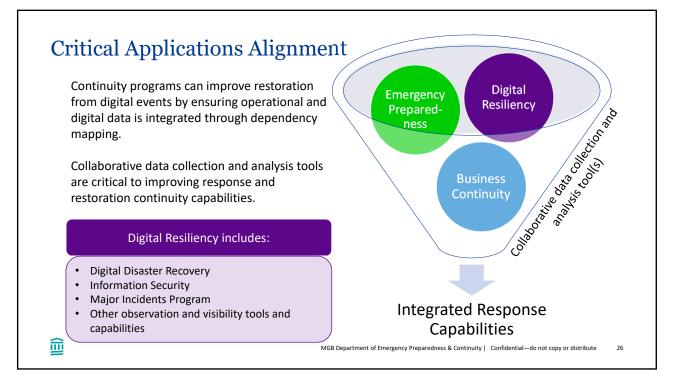
### MGB Digital Downtime Readiness Governance Committee Framework

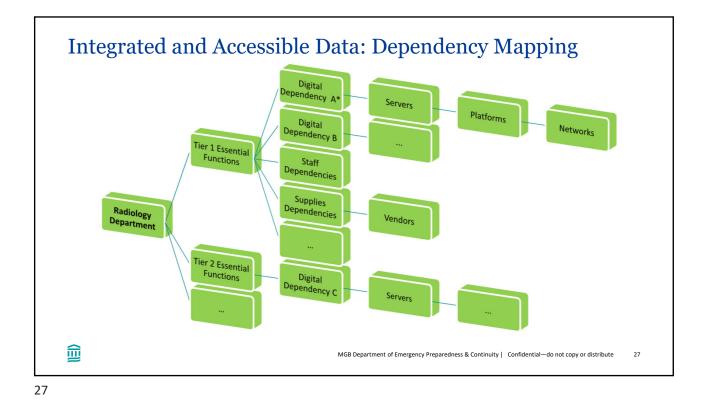
	Entity	Enterprise	Executive
<b>Meeting Frequency</b>	Monthly	Bimonthly	Triennially
Committee Chair(s)	COO Designated	Emergency Preparedness, Digital and Operations	Emergency Preparedness and Digital
Primary Membership	<ul> <li>Entity Digital</li> <li>Emergency Preparedness</li> <li>Clinical Operations</li> <li>Quality and Safety</li> <li>Nursing Informatics</li> <li>Chief Medical Information Officer</li> <li>Others as deemed appropriate by facility leadership</li> </ul>	<ul> <li>Representative from each Entity Downtime Committee</li> <li>Digital, InfoSec, CMIO, and EHR representatives</li> <li>Emergency Preparedness</li> <li>Office of the Chief Quality Officer</li> <li>Telecom</li> <li>Communications</li> <li>Health Information Management</li> <li>Capacity or Enterprise Asset Management</li> </ul>	<ul> <li>Deputy Chief Operating Officer</li> <li>Chief Preparedness &amp; Continuity Offi</li> <li>Chief Information &amp; Digital Officer</li> <li>Chief Information Officer</li> <li>Chief Information Security Officer</li> <li>Chief Quality Officer</li> <li>VP for Compliance</li> <li>Chief Academic Officer (Research)</li> </ul>
Purpose	<ul> <li>Identify frontline operational issues and needs</li> <li>Review and implement system protocols, procedures</li> <li>Facilitate local trainings and exercises</li> <li>Facilitate local downtime equipment checks</li> <li>Plan for scheduled downtime events</li> <li>Conduct local follow up after incidents and events</li> </ul>	<ul> <li>Discuss readiness and response standards</li> <li>Collect and respond to frontline downtime needs and issues affecting the system</li> <li>Support the development of toolkits, resources, exercises</li> <li>Facilitate continuous improvement processes for the system</li> <li>Coordinate mitigation efforts</li> <li>Assist with prioritization of the enterprise downtime initiatives</li> </ul>	<ul> <li>Ensure accountability for downtime readiness</li> <li>Approve major system downtime po and priorities</li> <li>Approve initiatives requiring major funding or that may cause disruptior operations (such as downtime training and exercise programs)</li> </ul>

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# In Closing

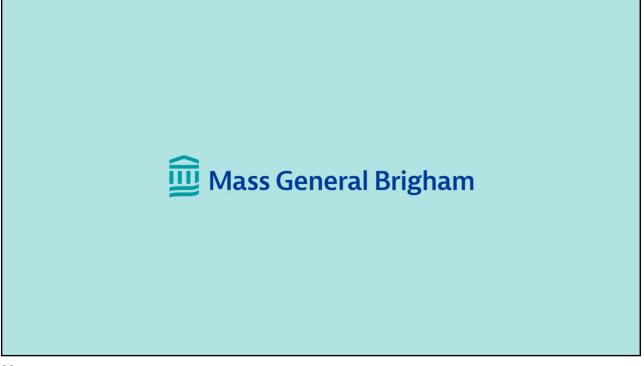
A customized approach to business continuity, focused on building continuity capabilities and using clinically-aligned terminology, supports a healthcare system's mission to protect patient care and staff safety. A finance or tech industry model does not work when a life is on the line.

Key Takeaways

- Traditional business continuity practices struggle to keep patient care and staff safety front of mind.
- Building an iterative continuity program focused on capability building will improve continuity of operations across a healthcare system.
- A common understanding of "essential" creates a vital baseline for continuity programs and integration with other programs.
- Considering increased downtime and cyber attacks, it is critical that healthcare systems invest in creative continuity solutions to continue operations.



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# Thank you

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