

Continuity 101

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Continuity 101

Angela Devlen October 15, 2012





Healthcare Continuity Planning

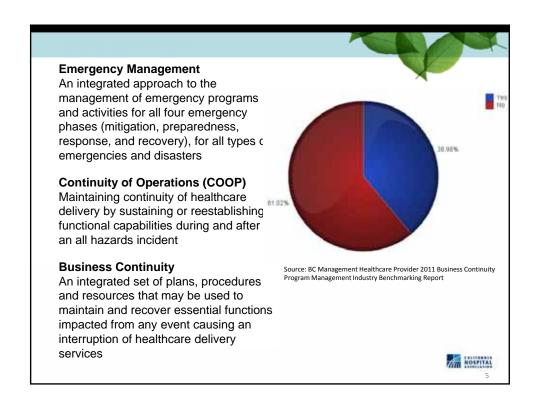
What Is It?

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"Preparedness is not solely about planning for the next sudden influx of patients but also about being prepared for events that impact IT systems, the physical plant, clinical and business operations. Business Continuity allows hospitals to more effectively achieve this."









Loss of IT



Loss of Facility/Physical Plant



Interruption to Clinical and



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2009: The New England Journal of Medicine, estimates only 17% of office-based physicians are using some sort of EHR and 9% of hospitals use electronic health records.

2011: Four-fifths of the nation's hospitals and 41% of office-based physicians intend to take advantage of federal incentive payments for adoption and meaningful use of certified electronic health records (EHR) technology, according to survey data released today by the Office of the National Coordinator for Health Information Technology (ONC).





"..the most significant technological threat to patient safety the VA has ever had."

"The disruption severely interfered with our normal operation, particularly with inpatient and outpatient care and pharmacy."

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Loss of IT



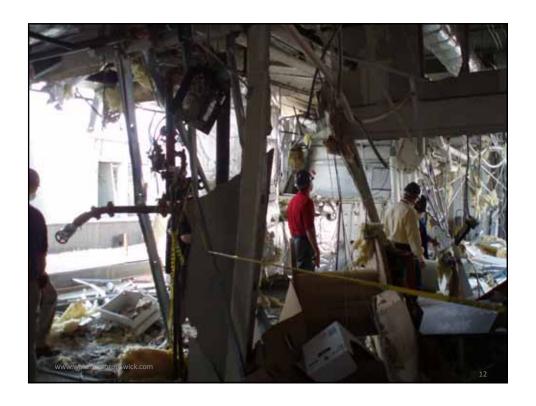
Loss of Facility/Physical Plant



Interruption to Clinical and Business Operations

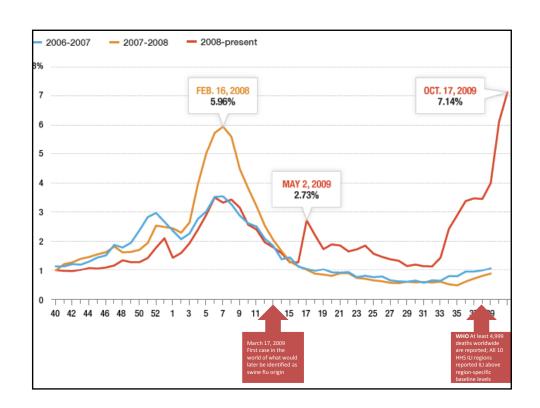


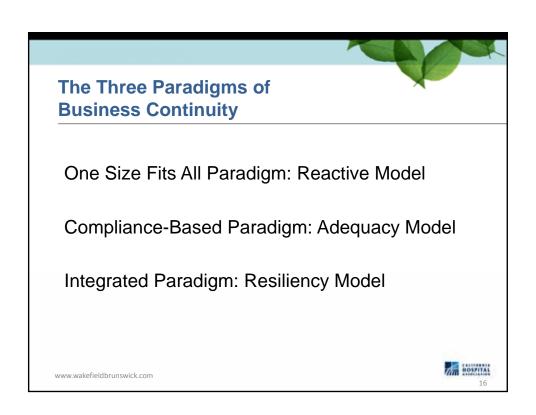


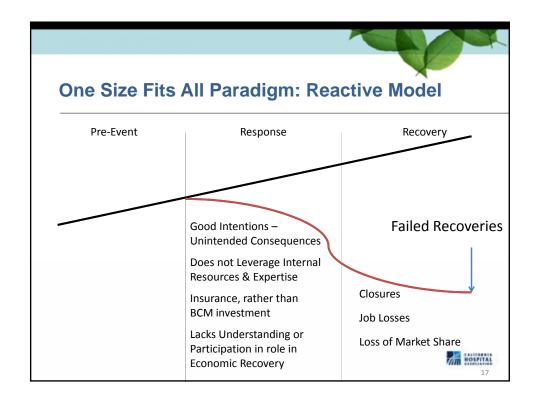




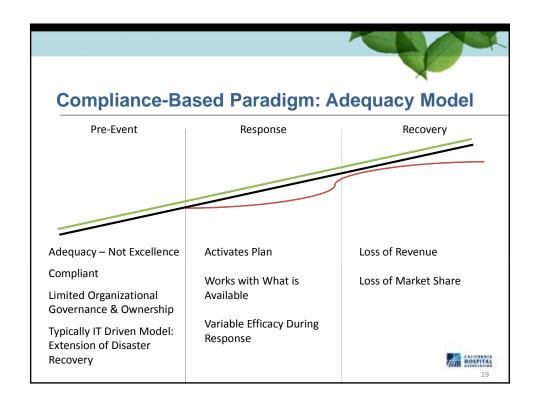












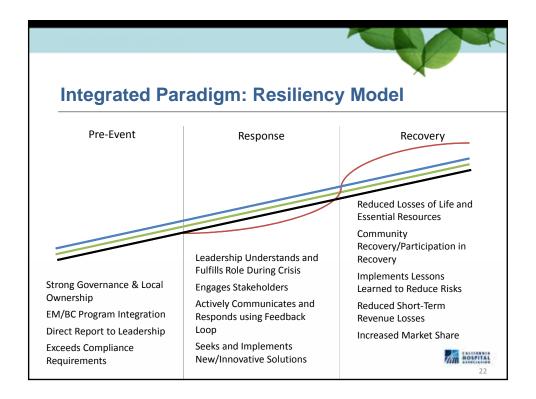


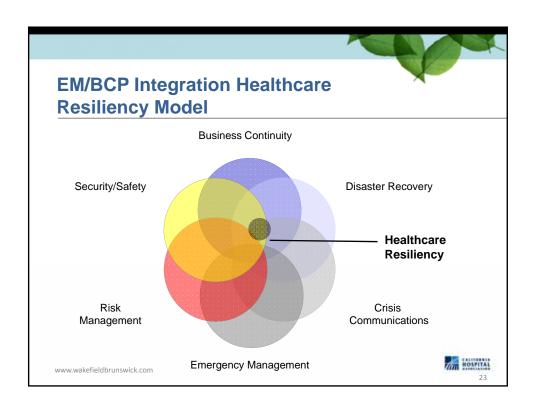
In Vermont, one of the top concerns for Rutland (Vt.) Regional Medical Center was getting supplies to the 137-bed hospital following road closures and flooding in the southern region of the state.

Shore Health System's Dorchester General Hospital, Cambridge, Md., evacuated patients early Sunday morning because of wind and water damage from Irene and closed for several days. The decision was made after severe damage to the laboratory room warranted the lab's closure. The hospital also saw damage to its operating rooms, central supply, some patient rooms and chemotherapy unit.

Bon Secours Hampton Roads Health System in Norfolk, Va., said two of its hospitals operated on emergency generators for several hours, but all of its hospitals and emergency departments remained open and accepted new patients.

Zultanky credited the smooth operations to planning and lessons learned from Hurricane Isabel in 2003.





To establish and maintain a program that effectively prepares and responds to emergencies and maintains the continuation of essential clinical, research, business and administrative operations in the event of natural, technological, man-made or public health emergencies.

Disaster Recovery Planning (DRP), which is focused on:

Continuity/recovery of the Information Technology systems, infrastructure, and telecommunication services

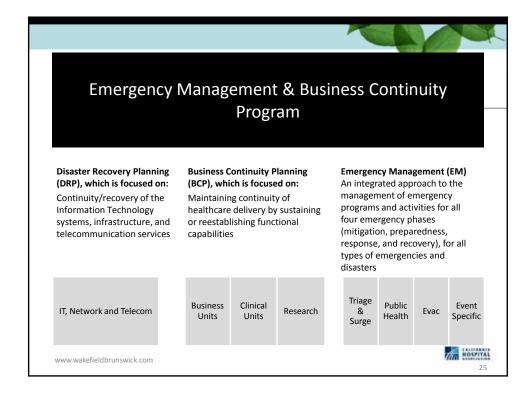
Business Continuity Planning (BCP), which is focused on:

Maintaining continuity of healthcare delivery by sustaining or reestablishing functional capabilities

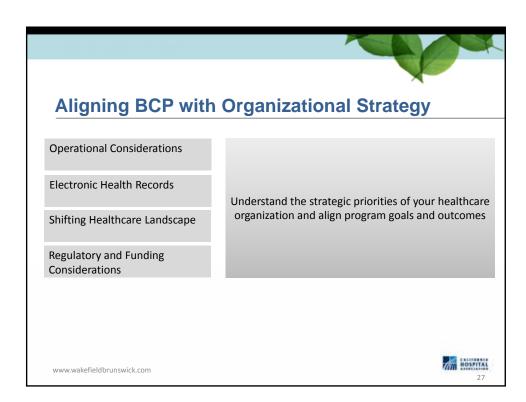
Emergency Management (EM)

An integrated approach to the management of emergency programs and activities for all four emergency phases (mitigation, preparedness, response, and recovery), for all types of emergencies and disasters

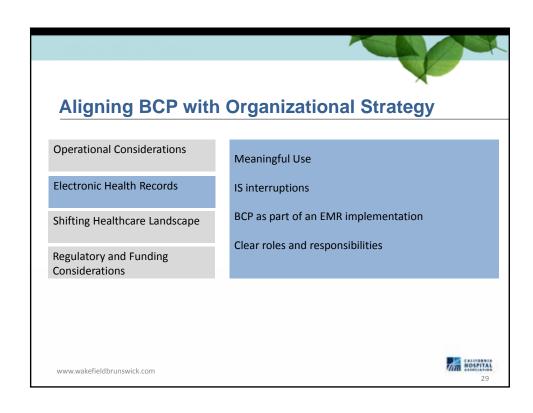




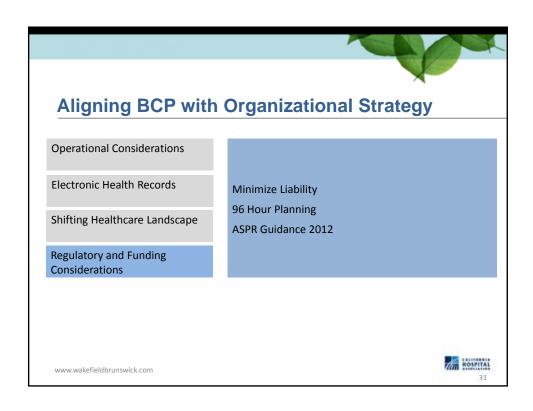


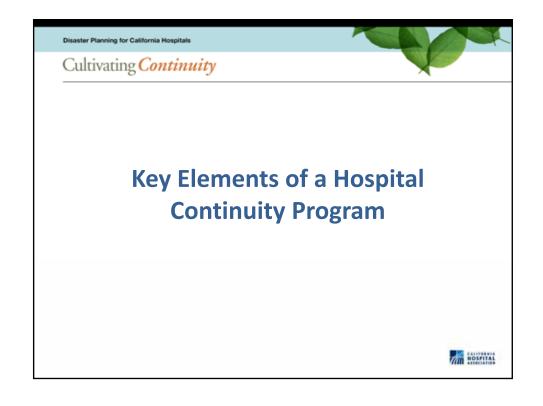




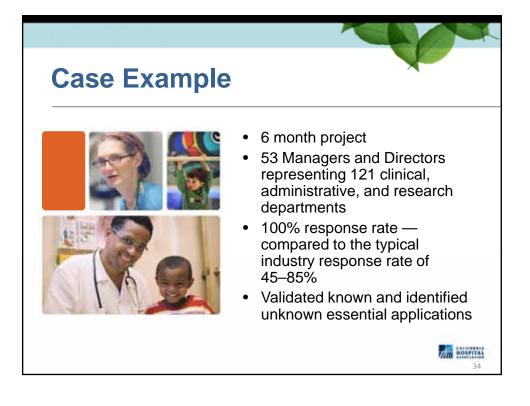








Key Element	Description	Tools/Competencies
Governance	Define & Align with executive priorities Establish Steering Committee Project Initiation & Management	Project Management Tools: Software/Excel Spreadsheet for Workplan (Tasks, Resources, Budget) & Status Reporting
Data	Gain an understanding of the risks Report on risks and cost effective strategies to mitigate these risks Measuring the Impact to Patient Care and Patient Safety	Risk Assessment/Hazard Vulnerability Analysis Tool Business Impact Analysis Tool
Integration	Developing Business Continuity Strategies Developing EOP/BCP format and integration	Joint Commission Gap Analysis Grid Cost/Benefit Calculation Tool Industry Benchmarking Data Planning Software or Templates
Planning	Developing and Integrating Business Continuity Plans	Plans Exercise Development Tools (HSEEP, AHRQ)
Execution	Testing and exercises Results monitoring Data collection of gaps and results Data to drive future priorities	Scorecard Template Goal/Metrics Table Action Plan Measures
		33





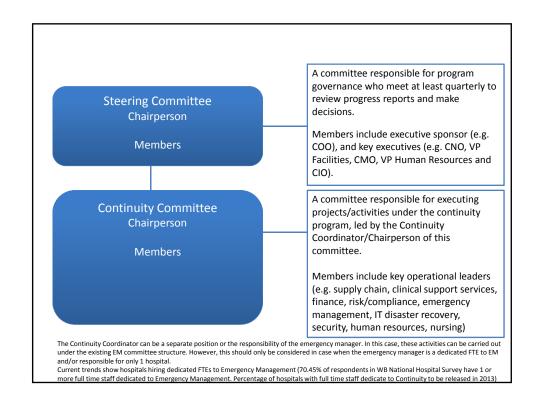
Define & Align with executive priorities

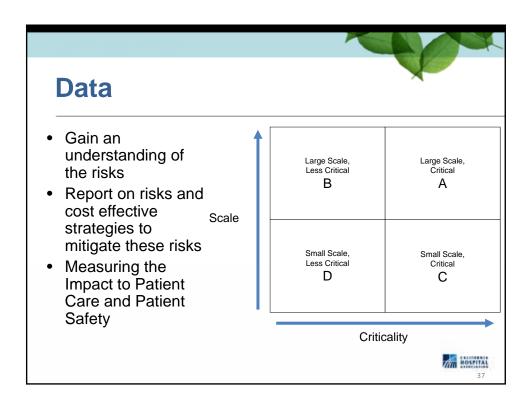
Establish Steering Committee

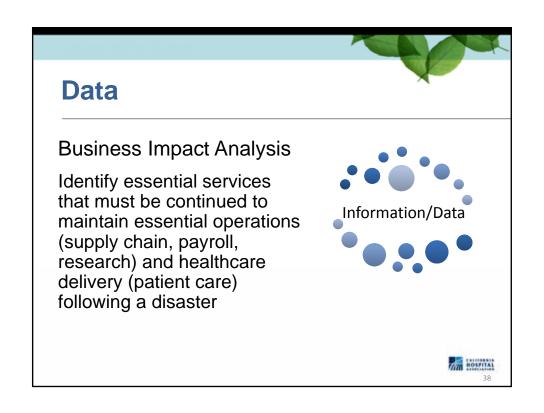
- Executive partnership council that will include both IT people and medical facilities being served
- Medical centers to drive business requirements

Project Initiation & Management





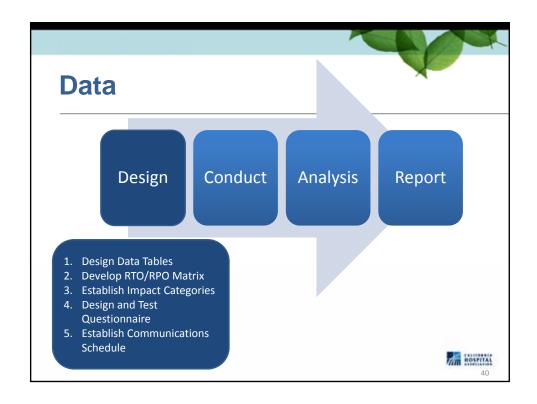




Data—Objectives

- Define the essential functions and systems
- Determine the realistic impact of unplanned disruptions
- Identify organizational and systems interdependencies
- · Recommend appropriate safeguards and controls
- Recommend appropriate recovery requirements
- Identify previously unknown application systems
- Quantify increased reliance on IS systems required for service delivery
- Provide data to streamline processes, provide scalability and stewardship of resources
- Identify operational interdependencies and unnecessary redundancies that can support operations improvement
- Identify gaps in processes resulting in risks to patient safety & quality







Minimizes Data Entry

Normalizes Data

- Titles
- Departments
- Location/Building
- Applications



RTO & RPO

Recovery Time Objective (RTO) defines the maximum duration of a service or application outage before significant operational, patient care or family experience impacts occur.

Recovery Point Objective (RPO) is the point in time of the last good backup of data offsite at time of disaster and identifies the amount of acceptable data loss.



RTO/RF	PO Mat	rix		
RTO/ RPO	< 2 hours	< 8 hours	<48 hours	>48 hours
RPO <1 hour: Little to No Data Loss Tolerated/Unable to recreate data	Tier 1: High avail/Synch	Tier 2: High avail/Asynch		
RPO 24: One day of data loss allowable or can be recreated/ reentered from back log or tape back up			Tier 3: Hot Site	Tier 4: Drop ship/Cold Site

		100	
		X	
Impact (Categories		
IIIIpaci (alegories		
SAMPLE WEIGHT ASSIGNN	MENTS: IMPACT SCORES		
	Description	Weight	
Operations Impact	N/A or blank	0	
	>72 hours	1	
	<72 hours	3	
	<24 hours	5	
	< 8 hours	7	
	<4 hours	9	
	0 hours	11	
Patient Safety Impact	9 - null (or blank)	0	
	1 - None at all	1	
	2 - minimal risk	3	
	3 - moderate risk	5	
	4 - severe risk	7	
	5 - immediately life threatening	14	
Family Impact	9 - null (or blank)	0	
	1 - none at all	1	
	2 - minimal	3	
	3 - moderate	5	-
	4 - severe	7	FOW HOSPITA



- Questions that result in measurable data
- Avoid highly subjective questions
- Give specific examples for them to consider



Data

List the 3 most essential functions of the emergency department. For each function:

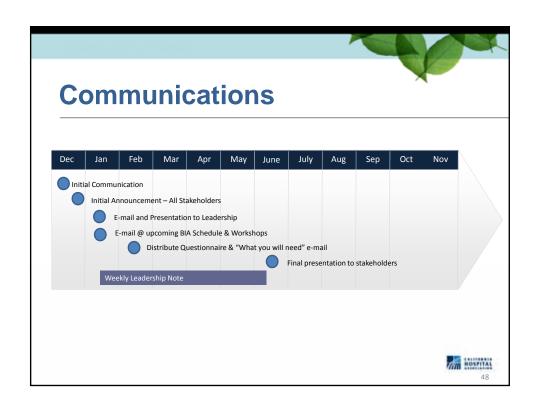
- How would you rate the risk to patients when this function is not available?
- Identify essential dependencies to carry out each essential function.
- List the 3 most essential IT applications for each function.
- How many hours can you continue to perform the essential function(s) while using downtime procedures?

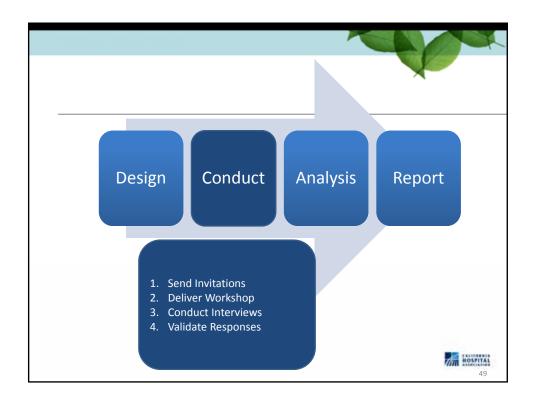




- Collect cost centers associated with each interview
- Ensure number of employees is in either total number or FTE's
- Work all interviewees information from one master spreadsheet; hide columns you do not need
- · Capture hours of operation
- Is daily revenue based on 365 days or business days? Does it vary by dept. category (business vs. clinical)?
- Organize all data by same naming convention
 - BIA department title_(Interviewee, Finance Data, etc.)
 - Normalize data such as drop down menus for essential functions, impacts







Send Invitations

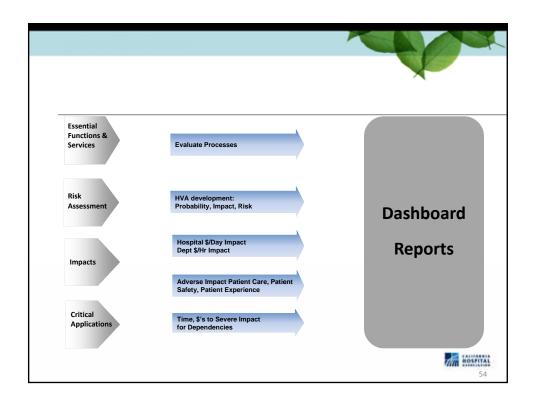
- Upon finalizing the schedule, send invitations to each interviewee and their Vice President.
- Each interviewee receives the questions in advance.

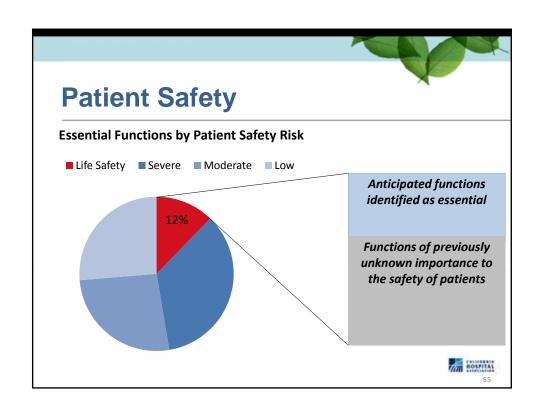




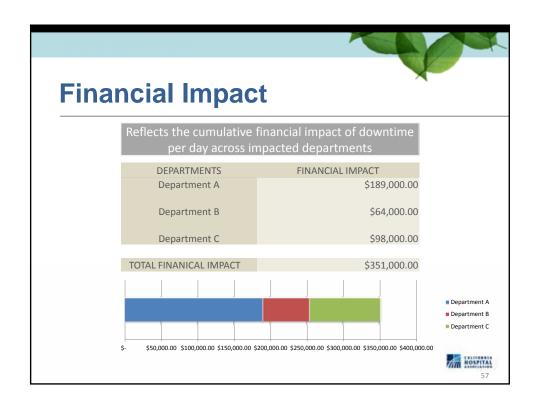


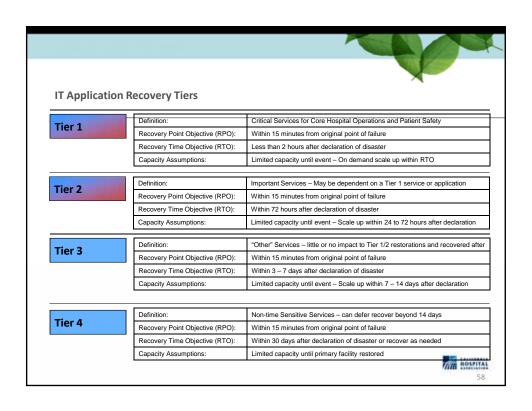


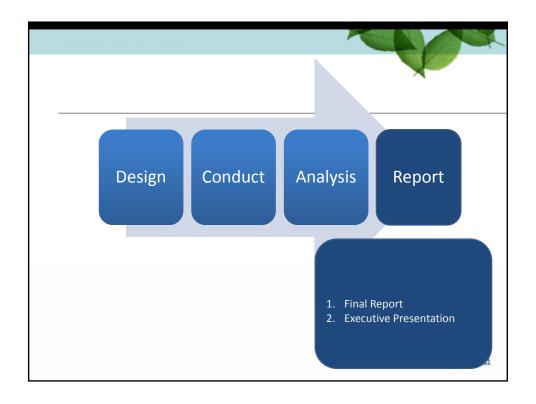








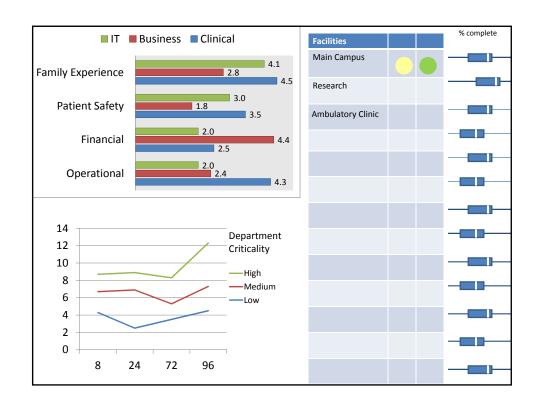


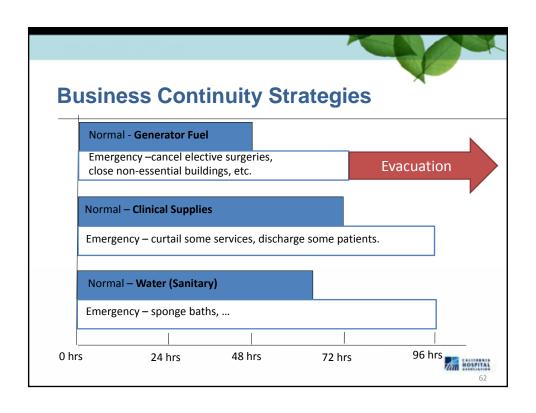


Data

Create and Deliver Presentation to Leadership

- Prepare a draft BIA report using the initial impact findings and issues
- Provide a statement of the organizational goals and objectives
- Summarize the impacts of those goals and objectives as a result of a disruption
- Provide a summary of the resource requirements over time to recover and resume operations
- The relative rankings of functions and applications
- The timeframes for RTOs and their implications
- The gap between current capabilities and requirements as defined by the BIA









- HICS and the Business Continuity Branch Director
- **Supply Chain Interruptions**
- Alternate Site Operations
- Vital Record and Vital Equipment
- IT and Operational Interdependencies
- **HR Considerations**
- Loss of Services (IT, Non-Medical)
- Loss of Facility
- Administrative and Research Divisions
- Recovery and Resumption of Operations





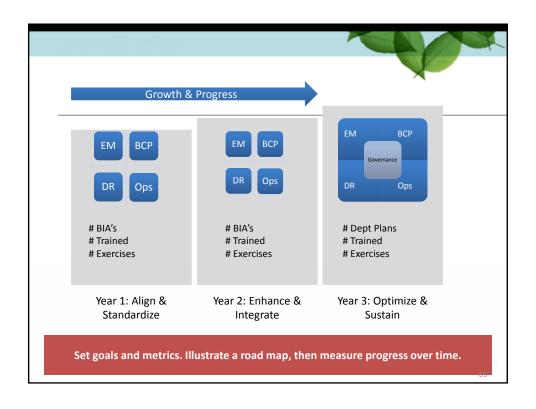
Business Continuity Planning Effective 96 Hour Assessment

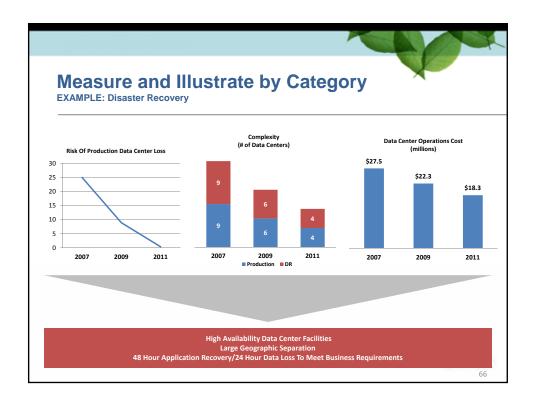
CORE CRITERIA

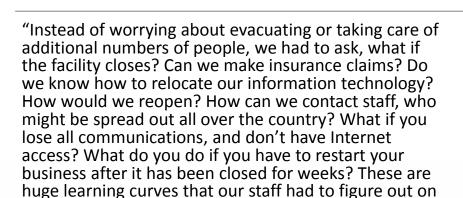
- WATER
- **FOOD**
- **SUPPLIES**
- **SANITATION**
- **TRANSPORTATION**
- **COMMUNICATION**

Lesson Learned: All essential elements of the medical response to a mass casualty incident are sustained by a system of critical non-medical elements that provide essential infrastructure.









-Les Hirsch, Past President and CEO of Touro Infirmary during Katrina

the fly."



Thank You

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