Survey Preparation and Your CMMS



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3 Easy Steps to Win \$100!

- 1. Take a picture
- 2. Post on social media using #MDExpo
- 3. The attendee who uses the hashtag the most throughout the conference will win a \$100 giftcard!!









Surveys

Normal part of working in an HDO (Healthcare Delivery Organization)

Primary focus is to protect patients and staff

- Safe environment
- Safe medical equipment
- Secure environment

Surveys are recurring scheduled events

- Normally unannounced
- Granted for a set period: 1 to 5 years



Surveying Organizations

CMS and Private

Visit EQ2 at Booth #309 for further discussions

Survey Organizations

- State Survey Agencies (SAs)
 - Act on behalf of CMS (Centers for Medicare & Medicaid Services)
 - Perform the Medicare certification process
 - Inspect hospitals to ensure compliance with the terms of CoPs (Conditions of Participation)
 - The CoPs are the requirements that hospitals must meet to participate in the Medicare and Medicaid programs
 - The CoPs are intended to protect patient health and safety and to ensure that high quality care is provided to all patients
 - CMS uses its SAs to perform validation inspections on some hospitals that were previously surveyed by an AO (Accrediting Organization)

Private Accrediting Organizations

- The Joint Commission (JC)
- DNV GL Healthcare
- Bureau of Healthcare Facilities Accreditation Program (HFAP)
- Center for Improvement in Healthcare Quality
- Deemed Status This refers to a health care provider or supplier who has been accredited by a national accreditation program, approved by the Centers for Medicare and Medicaid Services because of being compliant with specific conditions.

JC Survey Process

- The Joint Commission performs onsite surveys once every three years
- Hospitals must also perform an annual self-assessment
- JC follows a tracer methodology and JC developed this process
 - Patient-Centered
 - Process-Focused
- All surveyors are employees of The Joint Commission and have extensive experience in healthcare

DNV Survey Process

- DNV performs an on-site survey every year
- The surveys are done using Tracer Methodology (per ISO 9001), staff interviews, and patient interviews
- DNV surveyors are usually doctors, nurses, and specialists who must complete various training programs, 45 hours of continuing education every three years, and annual surveyor training by DNV staff

HFAP Survey Process

Bureau of Healthcare Facilities
Accreditation Program

- HFAP performs on-site surveys of hospitals once every three years
- The comprehensive, unbiased surveys focus on patient-centered processes
- They also include educationally focused reviews that offer non-prescriptive recommendations for corrective action
- HFAP surveyors are paid volunteers recruited from other HFAP-accredited facilities
 - Leadership role in their own facility and have extensive knowledge of the current healthcare industry

CHIQ Survey Process

Center for Improvement in Healthcare Quality

- Full accreditation surveys are conducted every three years
- An average size hospital will likely have a 3–4-day survey with a team of 2-4 surveyors – including a facilities specialist
- Surveys are conducted by full-time clinicians with years of experience in the hospital setting
- Surveyors undergo a rigorous training program and are nationally certified in this field

Survey Benefits



Accreditation Benefits 1 of 3

- National recognition including recognition by insurance companies as well as other third parties
- May be a condition of reimbursement for certain insurers or other payers
- Commitment to excellence in quality, accountability and patient safety
- Competitive advantage

Accreditation Benefits 2 of 3

- May fulfill state regulatory requirements
- Can provide "deeming status" for Medicare
- Provides standardization and consistency for processes across the organization
- May reduce liability insurance costs

Accreditation Benefits 3 of 3

- Provides assurance the organization is current with healthcare regulations
- Improves "customer satisfaction ratings"
- Supports continuous quality improvement efforts
- Many consumers look for it when choosing a hospital for services
- Many practitioners look for it when choosing a hospital to work at

HCAHPS (Hospital Consumer Assessment of Healthcare Providers and Systems)

- Pronounced "H-CAPS"
- Survey instrument and data collection methodology for measuring patients' perceptions of their hospital experience
 - First, the survey is designed to produce data about patients' perspectives of care that allow objective and meaningful comparisons of hospitals on topics that are important to consumers.

 Second, public reporting of the survey results creates new incentives for hospitals to improve quality of care.

 Third, public reporting serves to enhance accountability in health care by increasing transparency of the quality of hospital care provided in return for the public investment.

HCAHPS Content and Administration

- Cleanliness and quietness of the hospital environment
- Overall rating of hospital
- Would they recommend the hospital
- The survey is not restricted to Medicare beneficiaries
- The survey and its protocols for sampling, data collection and coding, and file submission can be found in the current HCAHPS Quality Assurance Guidelines, which is available on the official HCAHPS website, www.hcahpsonline.org
 - Reference: HCAHPS: Patients' Perspectives of Care Survey | CMS

Survey Preparation



Tips and Methods

Methods for Survey Preparation

Mock Surveys

In-house or Contracted 3rd Party

Pop Quiz

Great for staff meetings

Scheduled Checks

• Department sweeps

Customized Approach

- HDO may have a 'best practice' based on experience
- Compliance Officer group meetings

Methods for Survey Preparation (continued)

Always be prepared for a survey

- Provides piece of mind
- Can't go back in time to correct missing PMs

Reading the survey preparation guide for your surveyor

Attending survey preparation meetings at trade-shows or inhouse

Surveyor Questions to Staff



If you or your staff are questioned by a surveyor, it is best to stay calm and only answer the questions being asked.



If you don't know the answer to a question, be honest, and describe how you would find the answer (policy manual, supervisor, etc.)

Policies & Procedures



Review and Update your policies and procedures annually

"Say what you do and do what you say"



Everyone in your department needs to know where and how to find the information they may need to refer to.



Review this during your staff meetings or upon any policy manual location change

Other Thoughts on Surveys



While we all want our individual department to have a successful inspection, it's equally important for your HDO to obtain a successful inspection



HTM personnel can identify areas of concern in other departments like cluttered hallways, storing items within 18 inches of the ceiling, or blocking access to fire alarm pulldowns or fire extinguishers.



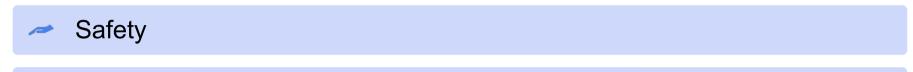
It's important to work as a team so your HDO has a successful survey visit

Environment of Care



HTM and Facilities

Environment of Care



Security

A Hazardous Materials and Waste

Fire Safety

Medical Equipment

Utilities

Using Your CMMS



Tips for a Successful Survey

Work Order Coding for Success

Make sure work orders are coded properly

- Device in Use
- Unable to Locate

Code for performance improvement

- Response Time
- Close or Turn-Around Time

AAMI CMMS
Collaborative Coding

- Work Order Types
- Failure / Sub Codes
- Short list of mutually exclusive items

Work Orders for HTM Usage

- Schedule work orders for policy & procedure reviews
- Record staff meeting minutes in a work order along with attendees
- Work orders provide evidence of your adherence to regulations
- Y Quickly search/filter work orders for the inspection period if required
- Meeting minutes are backed up with the CMMS

Employee Credentials





Define types of diplomas and certificates
Attach images of the diploma or
certificate



Record Vendor Certificates

Create vendor employee
Attach images of their training

Equipment Inventory



Maintain a complete inventory of All assets



Easily identify High Risk versus Non-High-Risk Assets (Class)



Easily identify AEM (Alternative Equipment Management/Maintenance) inventory (Procedure Type & Inventory)



Identify devices not eligible for AEM (System)

Medical Lasers
Imaging
Radiologic
Insufficient History / Experience

AEM vs. OEM Inventory



Procedure module contains a procedure type field: AEM or Manufacturer Recommended



AEM Inventory has an altered procedure

PM frequency: 24-month interval versus 12-month interval

PM tasks: "replace if necessary", versus "replace"



HEMS uses a one-click report to retrieve inventory on AEM and Manufacturer Recommended procedures

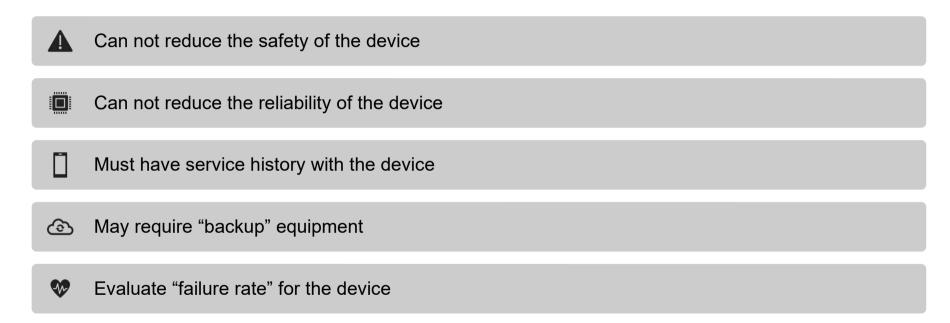


HTM testers are listed as Manufacturer Recommended procedures

Calibrated with the service manual traceable to NIST standards

AEM Criteria

procedure for AEM devices



Make sure your Medical Equipment Management Plan (MEMP) defines your process and

AEM Dashboard

Evaluate PM & CM failure rates for the device or device type

Identify the number of backup devices in your inventory

Ensure prohibited devices are not placed onto an AEM program

Are you going to place high-risk devices on AEM?

AEM tool identifies High-Risk devices

AEM Dashboard

Equipment on Alternate Equipment Management (AEM) Program

Description: This report provides the list of equipment items that are on Alternate Equipment Management (AEM) program.

According to TJC Standard EC.02.04.01, The critical access hospital's activities and frequencies for inspecting, testing, and maintaining the following items must be in accordance with manufacturers' recommendations:

- 1. High-risk medical equipment on the inventory for which there is a risk of serious injury or death to a patient or staff member should the equipment fail.
- 2. Medical laser devices
- 3. Imaging and radiologic equipment (whether used for diagnostic or therapeutic purposes)
- 4. New medical equipment with insufficient maintenance history to support the use of alternative maintenance strategies
- 5. Availability of alternative or back-up equipment in the event the equipment fails or malfunctions

This report also provides the list of devices that are on Manufacturer's Recommendation but can potentially be moved to AEM program.

Backup/Alternative Device: The Department should have more than 5 devices for the type of device History: There should at least be 15 number of PM work orders for the model and at least 2 years of history

PM Failure Rate (FR): Failure rate is by model and is calculated as Numbe of PM Failures / Total number of PM work Orders

CM Failure Rate (FR): Failure rate is by model and is calculated as Numbe of CM work orders / Total number Active Devices / Average Age of the Devices for the Model

Equipment Years: Number of devices for a model times average age of the devices for the model - used for CM Failure Rate evaluation



On Manufacturer Recommendation											Number of Devices			
Should stay on Manufacturer Recommendation										Number of D	453			
Manufacturer	Model #	EQ Count	Equipment Type	EQ Class	EQ System	Department	High Risk	LIR	History/FR	Backup	CM FR	Estimated Hours	Hospital	
PHILIPS	M3860A	7	DEFIBRILLATOR, AED	CRITICAL - LIFE SUPPORT	NONE	NONE	8	0	① 0.1	① 11	8 13.6	6.90	EAST	
ACMI CORP/OLYMPUS	M3-30A GOLD	1	ENDOSCOPE, RIGID	NON- CRITICAL	NONE	NONE	0	0	0.0	8 0	① 0.0	0.80	EAST	
PHILIPS	M4735 A	4	DEFIBRILLATORS, EXTERNAL, SEMIAUTOMATED	CRITICAL - LIFE SUPPORT	NONE	NONE	8	0	⊕ 0.0	⊕ 3	84.3	5.00	EAST	
DRAEGER MEDICAL INC	VN500	1	VENTILATOR, INTENSIVE CARE, NEONATAL/PEDIATRIC	CRITICAL - LIFE SUPPORT	NONE	NONE	8	0	⊕ 0.0	8 °	() 81.1	0.80	EAST	

Regulatory Compliance Report

- 100% compliant even when not 100% complete
 - Device in Use
 - Unable to Locate
 - Sent to Vendor
- Percent compliant for High Risk and Non-High-Risk and AEM
- Percent closure for Alert / Recall work orders
- Use Error
- Abuse Physical Damage

Regulatory Compliance Report

Regulatory Compliance Monthly Report - 2

EQ2 EAST

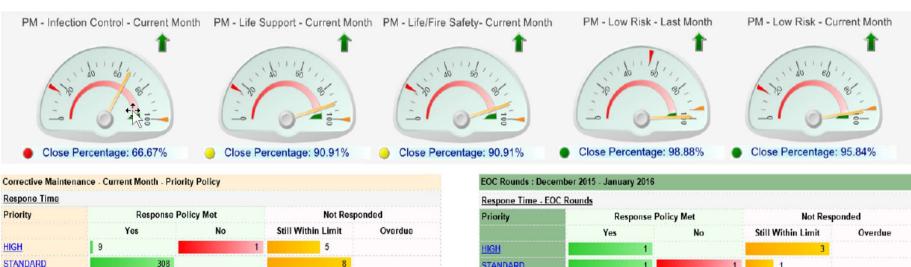
Report Description: This report encapsulates all of the information required for regulatory compliance and also active inventory, cost spent on work orders for use error and/or equipment abuse.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1. Non High Risk (PM)													
PM WO Opened	596	462	468	257	427	349	360	347	366	450	412	533	5027
PM WO Compliant (30 Days)	581	462	468	257	427	349	360	347	366	450	412	533	5012
PM WO Compliant (30 Days) - %	97.48	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	99.70
PM WO Compliant (60 Days)	596	462	468	257	427	349	360	347	366	450	412	533	5027
PM WO Compliant (60 Days) - %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PM WO Compliant	596	462	468	257	427	349	360	347	366	450	412	533	5027
PM WO Compliant - %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Device in Use	0	0	0	0	0	0	0	0	0	0	0	0	0
Device in Use - %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Unable to Locate	0	0	0	0	0	0	0	0	0	0	0	0	0
Unable to Locate - %	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sent To Vendor	0	0	0	0	0	0	0	0	0	0	0	0	0
Sent To Vendor - %	2 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
PM Failures	0	1	0	0	0	0	0	0	6	1	0	1	9
PM Failures - %	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	1.64	0.22	0.00	0.19	0.18
2. High Risk (PM)													
PM WO Opened	421	524	296	714	353	515	343	296	404	509	338	576	5289
PM WO Compliant (30 Days)	421	524	296	714	353	515	343	296	404	509	338	576	5289
PM WO Compliant (30 Days) - %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
PM WO Compliant	421	524	296	714	353	515	343	296	404	509	338	576	5289
PM WO Compliant - %	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

HTM BI Dashboard & Regulatory Compliance



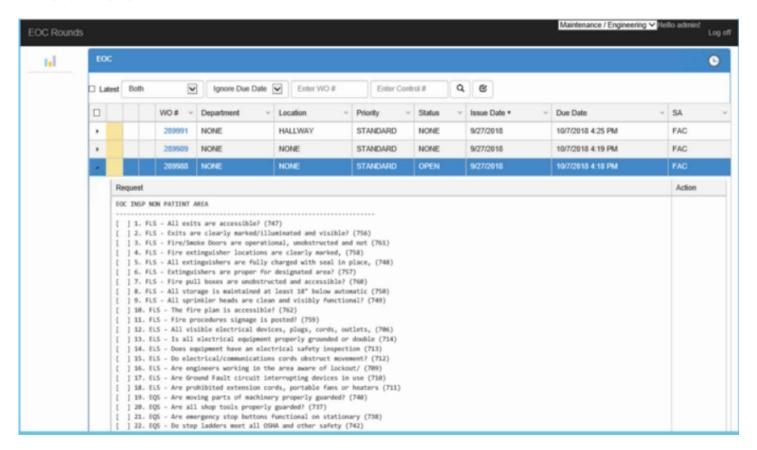
Facilities BI Dashboard & Regulatory Compliance



Close Time				
Priority	Close Policy Met		Still pending	
	Yes	No	Still Within Limit	Overdue
HIGH	10		5	
STANDARD	308		8	

Priority	Response Policy Met		Not Responded	
	Yes	No	Still Within Limit	Overdue
<u>HIGH</u>	1		3	
STANDARD	1	1	1	
Close Time - EOC Rou				
	unds Close Po	licy Met	Still pen	ding
Close Time - EOC Rou		licy Met No	Still pen Still Within Limit	iding Overdue
Close Time - EOC Rou	Close Po			

EOC Rounds



Procedures & Scheduling



Use Manufacturer and Model for OEM

Philips M3535A



Use ePHI lead for ePHI procedures

ePHI SureSigns VS4



Set all PM tasks and frequencies per OEM manual



Schedule PM parts Per OEM manual

Service and Operators Manuals



Manuals will provide the information for proper maintenance



Manuals can be attached PDF electronically to assets/models Word



Manuals can be accessed from OneSource: HTM and Facilities

Tester Documentation



Document all test equipment and tools on work orders

DNV requirement



Use Tester reports to reverse lookup equipment with tester

Used to demonstrate ability to identify faulty testers

Used to identify which tester was used during recent PM



Schedule all test equipment for PM

Attach vendor report to testers

Tester calibration date matches work order date

Reporting Faulty Equipment to HTM



End-users must report all faulty equipment



Use Web Request or equivalent application

Service Now



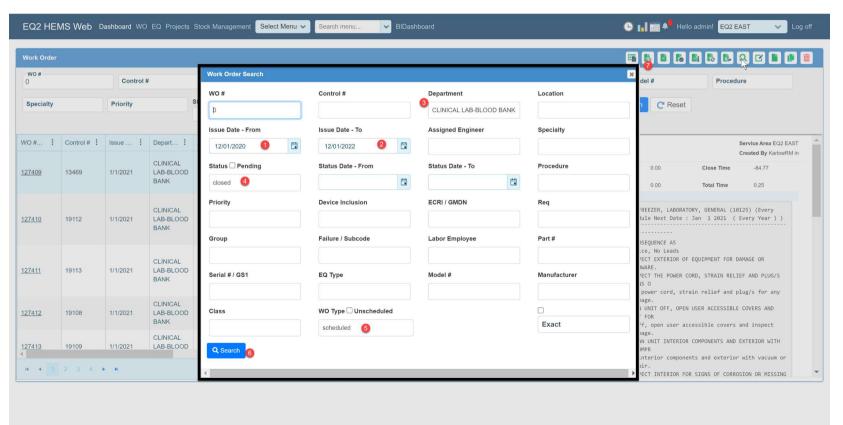
Use a "department email" to inform HTM about equipment needing repair



Web Request will continually update requester of work order status

User satisfaction survey results can be used for performance improvement

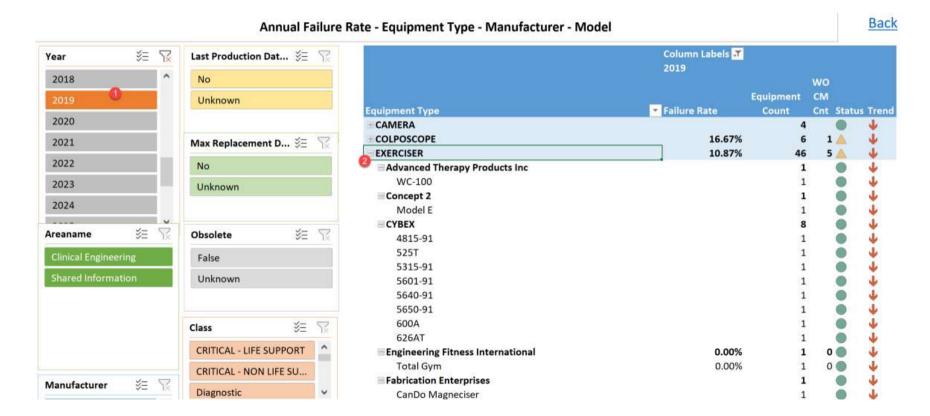
Reporting on PM Work Orders



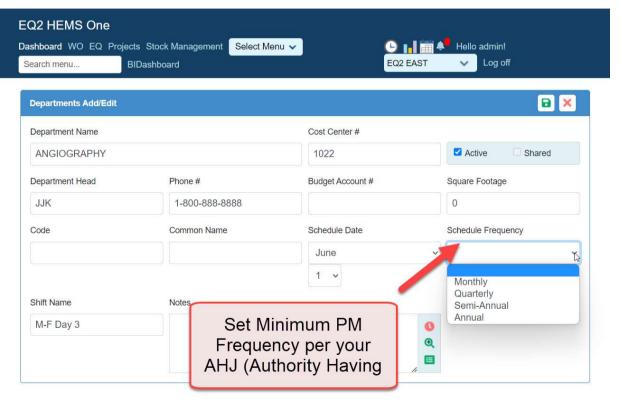
Department Managers Dashboard



Failure Analysis Tools for AEM Selection



Minimum Schedule Frequency: Department





Data Standardization

Important for Regulatory Compliance & AEM

Data Standardization is Essential



Data standardization in your CMMS is vital for a well-managed regulatory compliance and AEM program.



It's imperative that device types be standardized to ensure that the PM procedures, risk scores, and device recalls are successfully accomplished.

For example, if two similar device types are named differently in the CMMS, you will miss one or the other during comparison for equipment replacement or moving devices into an AEM program.



Furthermore, your CMMS may contain specialized reports or dashboards that rely on data fields to stratify your equipment inventory.

Best Practice System (Data Governance)



Standardize PM procedures throughout the enterprise



Standardize PM scheduling throughout the enterprise



Prevent fields from being updated after approval

Ensures data integrity



Standardize equipment nomenclature

Equipment Types
Equipment Models
Risk Category and Scores

Summary

Surveys are a normal part of life for HDO's

Surveys are recurring and unannounced

Always be prepared for a survey

Review work orders monthly

Anticipate and act on delays: overtime or outside assistance

Update policies & procedures regularly, especially with changes

Summary (continued)



Involve your staff with survey preparation



Ensure staff understands the importance and consequences for poor survey results



Attend internal and external workshops for survey preparation

MD Expo, AAMI, and local HTM groups



Understand your CMMS for reporting under pressure

Strategies to set your data

Train one or more staff members on work order reporting

Questions & Discussions





SHARE OTHER IDEAS FOR PREPARATION

SHARE YOUR CMMS
STRATEGIES

Thank you for Attending MD Expo Spring 2023





- Rich Sable, CBET
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- richs@eq2.com
- EQ2, LLC Biomedical & Facility Maintenance Tracking Software (eq2llc.com)
- Visit EQ2 at Booth #309 for further discussions or questions



References

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