

November 5, 2020





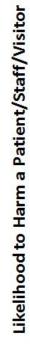
Why is High-Risk Equipment a Concern?

- "High-risk medical equipment includes all life support equipment and any other device for which there is a risk of serious injury or death to a patient or staff member should it fail. The term high-risk equipment is equivalent in scope and nature to the CMS term critical equipment." TJC 2020
- Any piece of High-Risk equipment must be maintained as prescribed by the manufacturer* or the equipment should not be in use.
- Biomedical Engineering can only track the equipment they know about.





Immediate Threat to Life						
- ED occupancy type	 Suicide prevention HLD/Sterilization Universal Protocol Equipment maintenance Pressure relationships 	- Equipment/sterile supply storage				
 Smoke/Fire doors Fire cabinet maintenance & grounding Use fire & life safety risk assessment that matches code 	 Medication titration orders and administration documentation Medication labeling Cal stat dispensers PPE use Precaution awareness 	 Equipment cleaning Obstructed gas valves panels, fire extinguishe 2 hour separations/du penetration between occupancies Medication safety 				
	- Therapeutic duplication - Floor drain maintenance program	- Medication Storage				
LIMITED	PATTERN	WIDESPREAD				
Scope						



HIGH

MODERATE

LOW





Actions Needed

Identify

Identify location of all highrisk equipment in your unit

- Email response form using template to <u>MGH Biomedical Engineering</u>
- Remain flexible with Biomed and/or vendor to complete maintenance
- REMOVE FROM USE all High-Risk Equipment out-of-date for maintenance or inspection

Locate

Locate any pieces of equipment without Biomed labels or not on your list

- These pieces of equipment need to be added to the Biomed equipment database
- Fill out Excel inventory form doc and email to <u>MGH Biomedical Engineering</u>

Communicate

Improve communication and purchasing procedures for future-state

 Provide a good point of contact from each clinic to work with Biomedical Engineering





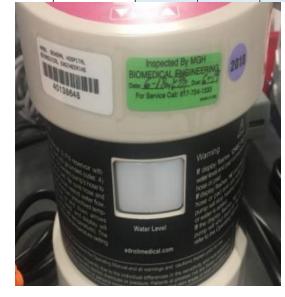
Biomed Labels and Inventory Form

MGI

		Clinic / Depa	rtment:	Dept. Co	st Center:	Req	uestor/Contac	t(s):		Biomed use	only	
	MASSACHUSETTS GENERAL HOSPITAL BIOMEDICAL ENGINEERING									TMS O	wner/Account:	TMS Account:
	Biomed use only TMS Device Category	Biomed Control #	Equipment Type	Manufacturer	Model	Serial Number	Purchase Order #	Purchase Date	Purchase Price	Warranty Period	Location / Room Name & Number	Comments
1	EXAMPLE	40132586	Defibrillator	Zoll	R Series	R008423	0010826554	2/15/2018	\$ 5,420.00	2 years	Hallway by Room 24	On code cart
2												
3												
4												
5												



Inspected By MGH BIOMEDICAL ENGINEERING Date: U 20 By Due: U 21 For Service Call: 617-724-1333 84338 (11/03)





High Risk Medical Equipment in Ambulatory Practices

Major Categories (Larger Quantities)

EDWARD P. LAWRENCE CENTER FOR QUALITY & SAFETY

Defibrillators (Zoll R Series)



AEDs (Philips FR2+ or FRx)





Syringe IV Pumps (Medfusion 3500)









- Fluid Warmers
- Lasers
- Electrosurgical Units
- Hyfrecators
- Sterilizers
- High Level Disinfection Systems
 - Includes Trophons

High Risk Medical Equipment in Ambulatory Practices

All Equipment Categories And Quantity in Inventory

Equipment Category	Asset Qty	
APHERESIS SYSTEM	9	
COAGULATOR, ARGON BEAM	1	
DEFIB, AED ONLY	115	
DEFIBRILLATOR	83	
ELECTROSURGICAL UNIT	21	
FIBEROPTIC SCOPE, RIGID	1	
HYFRECATOR	8	
NFUSION PUMP, SYRINGE	45	
ASER	32	
MORCELLATOR	1	
RF GENERATOR	1	
SINK, PRE-PROCESSING	2	
STERILIZER	12	
STERILIZER, GLASS BEAD	3	
STIMULATOR, DEEP-BRAIN	1	
STIMULATOR, MAGNETIC	4	
SYSTEM, ABLATION	1	
SYSTEM, DISINFECTION	21	
SYSTEM, SCAN,LASER OCT	2	
JLTRASONIC CLEANER	4	
JLTRASONIC SCALER	3	
WARMER, FLUID	42	
WASHER, SCOPE	4	





