



Laguna Honda Hospital and Rehabilitation Center FY 15-16 Preventive Maintenance Program for Medical Equipment by Materials Management

Preventive Maintenance (PM) is the care and servicing by personnel for the purpose of maintaining equipment and facilities in satisfactory operating condition by providing for systematic inspection, detection and correction of incipient failures either before they occur or before they develop major defects. PMs include tests, measurements, adjustments, parts replacement and cleaning, performed specifically to prevent faults from occurring.

Background:

There are two distinct types of medical equipment used at Laguna Honda (LHH): life support and non-life support. Laguna Honda's Materials Management utilizes the vendor, Universal Hospital Services' (UHS) BioMed 360 Equipment Maintenance Program for Preventive Maintenance (PM) and repair of LHH-owned specifically identified medical equipment.

Plan:

The life support equipment are scheduled for PM checks twice a year and the non- life support equipment are scheduled for once a year annual PM checks. UHS process for preventive maintenance of these equipment includes a thorough inspection of the equipment for physical damage, functionality check, electrical safety check and replacement of the AeroScout battery. The AeroScout System, used for resident locator, is also utilized by Materials Management as a wifi equipment locator system. The Materials Management Team provides the oversight for the schedule and completion of the medical equipment needing preventive maintenance by UHS.

Process:

UHS produces a monthly PM due report for the month identifying all equipment requiring PM 30 days prior to the annual or semi-annual due date. The life support equipment is the first priority

Life Support Equipment:

- Defibrillators
- Automated External Defibrillators (AEDs)
- Continuous Positive Airway Pressure (CPAP) Machines

Non-Life Support Equipment:

- Bladder Scanners
- Blood Pressure Machines
- Enteral Feeding Pumps
- Hypothermia Machines
- Infusion Pumps
- Nebulizer Machines
- Suction Machines
- Sequential Compression Devices (SCDs)

for PM checks completion, followed by the non-life support equipment. Locating the equipment to conduct the PM is dependent on the AeroScout locator system. If this procedure does not yield finding the equipment to complete the PM check, the nursing care unit neighborhood is contacted to assist in locating the equipment due for a semi-annual or annual PM check. Our target goal is 100% for both life and non-life support medical equipment to be completed by UHS as part of the preventative maintenance program.

Results:

For FY15-16, PM checks were completed by UHS for a total of 36 life support (100%) and 383 non-life support (100%) equipment. Based on target measures projected, the PM checks were met.

Opportunities for Improvement:

Upon review of FY 15-16's PM data, there are several opportunities for improvement that Nursing and Materials Management will be working on together, including asset location, changing AeroScout battery life schedule and utilizing the AeroScout system functionality. Materials Management has also scheduled and will conduct a 100% hospital wide inventory by August 31, 2016. This performance improvement effort will be in place for FY 16-17.

Submitted by Russell Nakai, Materials Management and Central Supply Director

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