MicroHealth

MEDICAL DEVICES & LOGISTICS SUPPORT (MDLS) FOR THE NATIONAL CAPITAL REGION (NCR)

Leading medical device integration efforts in support of health data capture

MicroHealth is helping ensure NCR medical devices are MHS GENESIS ready and cyber-compliant after initial site deployments revealed that many devices were unable to meet MHS GENESIS readiness or cyber requirements. Once in place, these devices will transmit health data directly into the Electronic Health Record (EHR).

THE OBJECTIVES

MHS GENESIS is designed to enable direct transmission of patient data from medical devices to the EHR. The Medical Device Systems Security Program Management Office was established to **achieve effective medical device integration and lifecycle management for the NCR.** The NCR aims to manage and replace medical devices to meet MHS GENESIS Ready criteria and enable reliable and secure medical device integration.

OUR WORK IN ACTION

MicroHealth deployed a team of skilled professionals, including IT experts, program managers, senior medical logisticians, senior health system analysts, and system analysts in support of NCR Medical Device Integration and Logistics Support.

Our work encompasses tasks, such as **logistics program management support, facilitation of process improvement activities, and seamless integration** of medical equipment into MHS GENESIS. MicroHealth currently facilitates process improvement activities to drive operational excellence, efficiency, quality, customer satisfaction, and cost transparency.

Partnering with the PMO, **MicroHealth developed a middleware solution that provides a resilient/redundant computer platform between the medical device network zone and MHS GENESIS.** This optimizes the use of manufacturer gateways that reside on the platform.

THE OUTCOME

- Supports 5000+ NCR medical devices; in addition, the satellite sites
- Optimizes the present Med-COI configuration
- Reduces patient safety risk
- Enhances data accuracy and clinician efficiency
- Ensures medical devices readiness and integration
  - MHS GENESIS compatible
  - Cyber compliant
  - Life cycle managed

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