

Quality Care when and where it's needed

# Digital Connected Health<sup>®</sup>

## MIOT<sup>®</sup> An Integrated Digital Connected Health for Disease Management and Population Health

E\*HealthLine's Medical Internet Of Things<sup>®</sup> (MIOT<sup>®</sup>) System consist of comprehensive technology that connects wearable and home health monitoring devices to transmit vital data from a patient's home to their doctors or the hospital staff. These devices use wirelessly connected glucometers, scales, heart rate and blood pressure monitors and provide streamlining registrations for the pharmacy and laboratory facilitated through E\*HealthLine's electronic medical record systems, reducing the occurrence of medication-related and orders errors.

E\*HealthLine's MIOT<sup>®</sup> is a platform that enables wearable devices and home health monitoring devices to transmit data from a patient to providers and to enter medical orders into a computer system that is located within an inpatient or ambulatory setting. The MIOT<sup>®</sup> systems allow providers to electronically specify medication orders as well as laboratory, admission, radiology, referral, and procedure orders. MIOT<sup>®</sup> order sets minimize the time required for clinicians to order routine and guideline-driven tests and medications.

E\*HealthLine's MIOT<sup>®</sup> remind and prompt patients to take a medication dose, check blood pressure, and any other topics related t their home care.

### Generating Clinical Data Through Devices

E\*HealthLine's MIOT<sup>®</sup> offer a cloud based platform that enables wireless transfer, storage, and display of clinical data. The platform allows interoperability within a variety of medical devices and apps, generating meaningful clinical data for the patient's ongoing health maintenance.

### MIOT Functionality And Benefits

- Simplifies the creation of new medication orders with physician guidance to ensure medication orders are consistently patient-specific.
- Enables physicians to enter prescriptions, lab test and other orders for patient care directly into a hospital information system;. includes dosages and frequencies of IV to PO conversions, and renal and hepatic adjustments, facilitating an efficient and convenient to medication ordering process.
- Supports immediate access to patient data for reliable patient assessment.
- Improves patient safety and prevents medical errors and adverse drug events by checking the dosage of medication given to patients by physicians or other health professionals.
- Supports improved recording, data trails, quality assurance, error awareness and reporting.

## **MIOT And Decision Support**

- MIOT decision support includes: automated drug dosage, allergy, and interaction checking; duplicate order notification; recommendations for pre- or post-administration tests; access to clinical reference information guidelines, substitute medication and test recommendations.
- Monitoring of patient treatment, ensuring, the right drug is administered to the right patient at the right time.
- Issues an alert or reminders and suggest a different course of treatment if a patient's condition changes, and if the test results are abnormal, etc.
- Provides health professionals with immediate electronic access to their orders and a comprehensive view of the patient's clinical data and lab results.
- Enhanced decision making by addressing considerations for PRN reasons, dosage adjustments, relevant calculations, and discharge instructions.