



DSS, Inc. has been a catalyst for health care innovation for 30 years. With a focus on clinical and operational excellence, DSS is also continually focused on the future of the patient outcome and patient safety. For example, as the Veterans Health Administration has embarked on a journey to become an enterprise wide HRO, DSS is incorporating the key principles of HRO and VBC into the products and services it provides.

Infusion Therapy Manager (ITM) is a web-based decision support tool that manages evidence-based protocols as part of an intuitive workflow for the ordering of infusion therapy across multiple medical specialties. ITM is an enhanced version of the Veterans Health Information System Technology Architecture (Vista) Chemotherapy Manager or VCM legacy application used by more than 40 VA health care facilities. It provides better Vista integration for drug order entry, improved safety features, and expanded workflow options to support best practices aligned to HRO principles of the VHA.

ITM helps Veterans Affairs Medical Centers operate as an HRO, focused on VBC principles by providing technology that empowers clinical teams to maximize patient safety, quality of care, and operational efficiency.

An **HRO** is an organization that experiences fewer than anticipated accidents or events of harm, despite operating in highly complex, high-risk environments. They are preoccupied with the processes and environment affecting patient safety, as well as how to improve patient safety outcomes.

VBC is a health care delivery model in which providers, including hospitals and physicians, are paid based on patient health outcomes. Under value-based care agreements, providers are rewarded for helping patients improve their health, reduce the effects and incidence of chronic disease, and live healthier lives in an evidence-based way.

Infusion Therapy Manager (ITM) functionality	Sensitivity to operations	Preoccupation with failure	Reluctance to simplify	Commitment to resilience	Deference to expertise
Medication orders and Text Integration Utility generated from ITM post to VistA/Computerized Patient Record Systems	●	●	●	●	
Direct access of VistA drug configuration, allergies & demographics display in ITM	●	●	●	●	●
Access to a library of evidence base drug combinations and treatment plans for best patient outcomes	●	●	●	●	●
Accurate dose calculations with patient specific adjustments	●	●	●	●	●
Identification of clinical trial medications	●	●	●	●	●
Diagnosis (Topography and Morphology) based upon World Health Organization criteria, following American Joint Committee on Cancer guidelines	●	●	●	●	●
Clinical warnings consider VistA patient profile and current regimen, not yet released	●	●	●	●	●
Provides a platform for collaborative workflows for providers, pharmacists and clinicians	●	●	●	●	●

ITM – Value-Based Care | Customized, evidence-based treatment plans

- Decreases waste through dose rounding
- Prevents adverse events through Medication Order Check Healthcare Application order checks
- Increases accuracy through automated dose calculations while
- Providers can order medications in advance, released to VistA when appropriate so treatment is not delayed
- Nurses collaborate to prevent overdosing, drug interactions and adverse events
- Decrease in the Veteran’s length of stay, which leads to lower cost and risk prevention – health care-associated infections
- Places retrospective data at the fingertips of nurses, providers and pharmacists for best treatment plan analysis / cancer type, as well as adverse events analysis / cancer regimen

- ITM is used as an end-to-end workflow tool
- Patient safety remains at the forefront of ITM, providing an added layer of safety with its dosing calculations and collaborative workflows – Physician, Pharmacist and Nurses

ITM | Return on investment

- Reduction in medication errors through ITM’s accurate dose calculation and access links to standardized treatment plan
- Reduction in adverse events, which can lead to emergency room admission, inpatient admissions, and increase in length of stay
- Efficiency in processing regimens to improve on-time treatment
- Simplified management of clinical trials, providing evidence to improve the Veterans opportunity outcome and quality of life

