Real-time clinical decision support for infectious disease surveillance, prevention and clinical pharmacy workflows.
TheraDoc® provides a real-time picture of the raw data within a hospital’s source systems, helps alert clinicians to potential risks and empowers them with knowledge to improve clinical outcomes, lower costs and strengthen regulatory compliance.

» Reduce adverse events and clinical errors
» Improve patient outcomes and safety
» Access data in a usable format
» Streamline workflows tailored to VA clinical programs.
» Quickly adapt to changes in regulatory and reporting, guideline updates, and the evolution of surveillance scale and scope.

Current National Healthcare Issues addressed by TheraDoc
» Healthcare Associated Infections / Infectious Disease
» Antibiotic Utilization and Resistance / Antimicrobial Stewardship
» The Opioid Crisis and Veteran Suicidality

TheraDoc Benefits and Case Studies

<table>
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<tr>
<th>VISN DEPLOYMENT (OVER 9 VAMCs)</th>
<th>VA CASE STUDY (2011): San Antonio VA Medical Center</th>
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<tr>
<td>&gt;$4 million in savings in Q1 2018 with TheraDoc, for 9 sites on shared system, derived from pharmacy interventions opportunities presented by TheraDoc</td>
<td>$241,756 in annual antibiotic savings</td>
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<td>Avoidance of 200 days of antibiotic therapy in one month</td>
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<td>Savings of $60,000 from identified drug substitution opportunity on just one antibiotic in one year</td>
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<td>At one of the larger VA’s in the VISN, clinical pharmacists logged 1,300 patient interventions in 30 days, totaling $663,000 in cost impact.</td>
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<td>Microbiology culture results provided 48-36 hours quicker to smaller VISN facilities sending samples to larger facilities for processing/verification. This means patients receive the proper treatment, faster, decreasing length of stay.</td>
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Coordination of Care
TheraDoc provides the clinical tools that supports whole health of the veteran, and proactive patient care.

Interfaces from VistA to TheraDoc
- ADT
- Lab
- Pharmacy
- Surgery
- Radiology
- BCMA
- Microbiology
- Clinical Data

Aggregates all data to present clinicians with useful information and identify at-risk patients.

DELMER ACTIONABLE INFORMATION INSTANTLY FOR YOUR CONSIDERATION
» Obtain real-time surveillance for reporting that is always up to date
» Helps identify clinically significant changes in patient conditions with analysis of data from ADT, lab, microbiology, pharmacy, radiology, surgery, vitals, devices
» Enhance the quality and scope of surveillance without additional staff

EMPOWER CLINICIANS WITH KNOWLEDGE
» Instantly access vital information for rounding and interventions
» Save time and effort with a surveillance solution that automatically compiles, formats and displays information your way
» Take action with real-time alerts to potential problems and evidence-based treatment recommendations

ALIGN YOUR DATA AND YOUR STAFF
» Augment your EMR by automatically applying NHSN-approved medical vocabulary to your health information systems
» Strengthen existing systems with interoperable IT, vocabulary, and processes
» Improve communication and collaboration across every area and department by making information easier to access and share

IMPROVE COMPLIANCE
» Get the streamlined reporting needed to make compliance simpler and faster
» Helps identify interventions and document clinical action without interrupting workflow
» Augment reimbursement by demonstrating compliance with government performance indicators

EVOLVE TO MEET EVERY NEW CHALLENGE
» Meet the needs of a specific department or the entire organization with a scalable solution
» Maintain the security and confidentiality of data by keeping it within your hospital at all times
» Integrate smoothly into the user workflow with secure single sign-on access through Lightweight Directory Access Protocol (LDAP) or Clinical Context Object Workgroup (CCOW) technologies

PHARMACY ASSISTANT


32% FEWER ANTIBIOTICS PRESCRIBED INAPPROPRIATELY (1)
98% REDUCTION IN TIME TO PREPARE ANTIBIOGRAMS (2)

$2,471,852 SAVED IN ONE YEAR (3)

DATA to drive analytics

QUANTIFY PRODUCTIVITY
Analyze intervention data through customizable reporting tool.

CAPTURE DATA NEEDED TO SUPPORT ANTIMICROBIAL STEWARDSHIP
Export antibiotic utilization (AU) and antibiotic resistance (AR) data reports to Excel for patient-level data set analysis reporting tool.

IDENTIFY NEW PATIENT CARE OPPORTUNITIES

Analyze the impact of your initiatives:

Drug use changes — high use medications, trend shifts and impact of protocol or medication use guidelines with an interactive reporting solution.

Organism susceptibility pattern changes — resistance rate trends with a comprehensive and customizable antibiogram which supports antimicrobial stewardship.
TECHNOLOGY to drive clinical surveillance

IDENTIFY PATIENTS OF INTEREST
Know which patients in your population meet certain clinical criteria for intervention through email alerts.

ASSESS THE PATIENT
View real-time patient data including ADT, lab, pharmacy orders, pharmacy administrations, microbiology, surgery, radiology, vitals, devices.

DOCUMENT INTERVENTIONS AND ADVERSE DRUG EVENTS (ADEs)
Take action and document using a customizable intervention form.

DEMONSTRATE IMPACT AND OPPORTUNITIES
Capture patient notes and interventions for follow-up and interdepartmental communication.

CUSTOMIZABLE to drive clinical impact

SMART AND CONFIGURABLE ALERTS
Focus on critical patient issues with over 500 pre-built alerts including specialized alerts for antimicrobial surveillance. In addition, with EZ alerts, users can configure their own alerts.

SURVEILLANCE LIST FOR YOUR PATIENT POPULATION
Identify patients that meet the criteria of your organizational priorities. Get a list of patients on a specific medication, with specific lab results or with a combination of medication and lab results.

ANALYTICAL DATA FOR MEDICATIONS ADMINISTERED IN YOUR FACILITY
Data analysis for all medications, top 25 medications, or specific therapeutic category – segment the data in a way that makes sense to you.

SOURCES:


INFECTION CONTROL ASSISTANT

**Find. Assess. Intervene.**
Support department and organizational goals to protect patients from HAIs.

- **Identify and confirm valid HAIs**
- **Spot trends and exposures with quick identification of patients with MDROs**
- **Decrease time to isolation and reduce risk of exposure**
- **Track organism resistance by hospital, location or source**

**DATA to drive improvements**

- **DOCUMENT INFECTIONS**
  Leverage supporting information to understand where the risks and performance improvement opportunities are in your organization.

- **REPORT PERTINENT INFORMATION**
  Users can report things like infection rates, or prevalence of MDROs to both internal and external stakeholders.

- **CREATE FILES OF INFECTION EVENTS**
  This includes CLABSI, CAUTI, SSI and LabID events. Generate denominator reports for export.

**72 HOURS FASTER**
TIME TO ISOLATION (1)

**16% DECREASE IDENTIFICATION OF HAIS** (2)

**80% REDUCTION BSI SURVEILLANCE TIME** (3)

Identify and confirm valid HAIs

Spot trends and exposures with quick identification of patients with MDROs

Decrease time to isolation and reduce risk of exposure

Track organism resistance by hospital, location or source
TECHNOLOGY to drive clinical surveillance

FIND PATIENTS OF INTEREST
Customize surveillance lists such as: microbiology, notifiable diseases, surgical procedures, and admission diagnosis that provide the clinical picture for investigating potential HAIs.

ASSESS REAL-TIME PATIENT DATA
Determine if an infection is an HAI, including: patient admissions, discharge and transfers, lab results, medication orders, medication administrations, microbiology, surgery, radiology, vitals, and devices.

INTERVENE ON DATA AND DOCUMENT ASSESSMENTS
Easily remove duplicates, contaminants, colonizers, preliminary and Gram stain results from your worklist.

Document confirmed infections:
Complete documentation for infections/events and notifiable diseases; easily attach supporting data and comments with automatic date/time stamps.

CUSTOMIZABLE to drive clinical impact

SMART AND CONFIGURABLE ALERTS
Provide focus on critical patient issues such as notifiable diseases or SSI readmission, with over 500 pre-built configurable alerts. Build your own alerts to meet specific departmental goals with EZ alerts, and receive email notifications.

SURVEILLANCE LIST FOR YOUR PATIENT POPULATION
Identifies patients that meet the criteria of your organizational priorities. Document findings and report results.

INVESTIGATE POSSIBLE OUT-BREAKS OR HAZARDS
Create a report that matches the case definition when agencies such as the CDC or FDA issue an alert, without an IT request.

HAC - Hospital-Acquired Condition
HAI - Healthcare-associated infections
MDROs - multidrug-resistant organisms

INFECTION PREVENTIONISTS: Patient data delivered within seconds of clinical event.

SOURCES:


About Premier

Premier, Inc. (NASDAQ:PINC) is a leading healthcare improvement company, uniting an alliance of approximately 3,750 U.S. hospitals and 130,000 other providers to transform healthcare. With integrated data and analytics, collaboratives, supply chain solutions, and advisory and other services, Premier enables better care and outcomes at a lower cost. Premier, a Malcolm Baldrige National Quality Award recipient, plays a critical role in the rapidly evolving healthcare industry, collaborating with members to co-develop long-term innovations that reinvent and improve the way care is delivered to patients nationwide. Headquartered in Charlotte, N.C., Premier is passionate about transforming American healthcare.

About DSS, Inc.

With over 25 years experience, DSS knows what works. We are a health information software development and systems integration company, providing services and solutions used daily by thousands of clinicians and administrative staff nationwide, to reduce costs, streamline workflows and improve patient care. Learn more at dssinc.com.