Aggregate disparate data in real-time for actionable insights.
Proven in over 50 VAMCs for over 10 years to improve patient care and reduce hospital costs

**THE CHALLENGE:** Siloed and outdated data negatively impact patient care

- Inability to aggregate data in real-time for broad cohort of patients
- Searching for relevant data diverts clinicians away from patient care
- Difficulty meeting VA initiatives and Joint Commission, OIG standards

**THE SOLUTION:** TheraDoc®

TheraDoc provides real-time oversight and insights to reduce costs caused by inappropriate antibiotic usage, preventable Healthcare Associated Infections (HAIs), avoidable adverse drug events, and unnecessary hospital days of stay and readmissions.

In inpatient and outpatient settings, TheraDoc assists with patient care decisions for:

- Antimicrobial Stewardship
- Clinical Pharmacy
- Anticoagulation Management
- Specialty Care Areas (inpatient and outpatient)
- Outpatient Clinic Services
- Infection Control and Healthcare Associated Infections (HAIs)
- Infectious Disease

**DEPLOYED COVID-19 SURVEILLANCE TO 48 VAMCS AT ONSET OF CRISIS**

TheraDoc is built to evolve and meet new challenges head-on. Scalability allows TheraDoc to address the needs of specific departments or entire organizations, always keeping data secure and confidential. Workflows adjust seamlessly as new tests and medications become available.
Experience the TheraDoc Difference in Veterans Affairs Medical Centers (VAMCs)

Anticoagulation Management

OVER A 2 MONTH PERIOD, **VISN 20** RECORDED **1,747** INTERVENTIONS FOR A COST IMPACT OF **$144,932**

<table>
<thead>
<tr>
<th>NOTABLE PATIENT SAFETY INTERVENTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>133</strong> Overdue labs identified for proactive follow up</td>
</tr>
<tr>
<td><strong>4</strong> CRITICAL Drug interactions identified and corrected</td>
</tr>
</tbody>
</table>

Prior to our clinic implementing TheraDoc®, we had an average of 100 patients scheduled each week…Now, after less than a year from implementing TheraDoc®, we have an average of 60 patients scheduled per week. This is a drastic improvement. In **addition to these patient safety and efficiency gains, we are tracking all of our detailed clinic data in the system and accomplishing many projects which we were not doing at all prior to TheraDoc®.**

- Anticoagulation Program Manager, Walla Walla VA

Antimicrobial Stewardship (ASP) and Clinical Pharmacy

OVER A 2 MONTH PERIOD, **VISN 4** RECORDED **3,744** INTERVENTIONS FOR A COST IMPACT OF **$2.396M**

<table>
<thead>
<tr>
<th>NOTABLE PATIENT SAFETY INTERVENTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1</strong> Major Adverse Drug Event and ASP related minor Adverse Drug Event prevented</td>
</tr>
<tr>
<td><strong>3</strong> Missing doses ordered and corrected</td>
</tr>
<tr>
<td><strong>9</strong> Wrong doses ordered and corrected</td>
</tr>
</tbody>
</table>

""
OVER A 2 MONTH PERIOD, VISN 20 RECORDERD 993 INTERVENTIONS FOR A COST IMPACT OF $1.1M

NOTABLE PATIENT SAFETY INTERVENTIONS

<table>
<thead>
<tr>
<th></th>
<th>Drug interactions identified and corrected</th>
<th>Major ASP Adverse Drug Reaction prevented</th>
<th>Adverse Drug Events prevented</th>
</tr>
</thead>
<tbody>
<tr>
<td>39</td>
<td></td>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>16</td>
<td>Drug/bug mismatches identified and corrected</td>
<td>2</td>
<td>22</td>
</tr>
<tr>
<td>3</td>
<td>Wrong route identified and corrected</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Avoided continuation of restricted drugs:

<table>
<thead>
<tr>
<th></th>
<th>Fluoroquinolones</th>
<th>Carbapenems</th>
<th>Vancomycin</th>
</tr>
</thead>
<tbody>
<tr>
<td>38</td>
<td></td>
<td>7</td>
<td>38</td>
</tr>
</tbody>
</table>

TheraDoc® has modernized our daily ASP workflow. We have gained efficiency, improved team communication, and now have the ability to more accurately capture ASP workload and contributions to the facility. It has helped us expand our ASP program into the emergency room, CBOCs and primary care clinics, helping us to meet the new Joint Commission standard. TheraDoc® has been an amazing addition to our stewardship program in Boise and we simply can’t imagine life without it now.”

- ASP Program Manager, Boise VA

OVER A 2 MONTH PERIOD, VISN 6 RECORDED 4,895 INTERVENTIONS FOR A COST IMPACT OF $2.24M

NOTABLE PATIENT SAFETY INTERVENTIONS

<table>
<thead>
<tr>
<th></th>
<th>Major ASP related Adverse Drug Event prevented</th>
<th>Minor Adverse Drug Events prevented (non ASP-related)</th>
<th>Minor ASP Adverse Drug Events prevented</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>94</td>
<td>15</td>
</tr>
<tr>
<td>27</td>
<td>Wrong doses ordered; 11 wrong routes ordered -- all identified and corrected</td>
<td>58</td>
<td>11</td>
</tr>
<tr>
<td>14</td>
<td>Drug-bug mismatches identified and corrected</td>
<td></td>
<td>22</td>
</tr>
</tbody>
</table>

Medications discontinued that were not indicated

<table>
<thead>
<tr>
<th></th>
<th>Medications discontinued that were not indicated</th>
<th>Drug interactions identified and corrected</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td></td>
<td>11</td>
</tr>
</tbody>
</table>

Inappropriate medications discontinued

<table>
<thead>
<tr>
<th></th>
<th>Inappropriate medications discontinued</th>
<th>Medications discontinued that were not indicated</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Wrong drugs ordered, identified and corrected

<table>
<thead>
<tr>
<th></th>
<th>Wrong drugs ordered, identified and corrected</th>
<th>Medications discontinued that were not indicated</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>
Infection Prevention and Control in VAMCs

HOUSTON VAMC 8 YEAR STUDY RELEASED IN 2020

TheraDoc enabled case review, correct isolation, changes to cleaning practices, and more appropriate lab testing. The Antimicrobial Stewardship Program that includes Clinical Pharmacists working daily with providers was a strong driver for change.

TheraDoc’s impact on decreasing Clostridium Difficile*

- 74% decrease in Clostridium Difficile over an 8 year period
- 70% infection rate decrease, from 16.19 per 10,000 bed days of care in FY2011 to 4.88 in FY2019
- Inappropriate testing decreased by 84%, from 50 in FY2011 to 8 in FY2019

Specialty Care Areas

- We have been using TheraDoc® since 2014. Not only does the surveillance system save us time, but it allows for better documentation and communication among our Infection Prevention team. TheraDoc® surveillance provides an additional level of confidence when applying surveillance definitions by pulling critical data for one-view review.

  - Infection Prevention Manager Lebanon VA

TheraDoc for VA Specialty Care Areas

- MS Treatment Centers
- Women's Health
- Prospective Outpatient Antimicrobial Stewardship
- Adenoma Detection/Gastroenterology
- Outpatient Research
- Hi-Risk Patient Tracking
- Hand Hygiene
- Traveling Bariatric Surgery Program
- Melanoma Detection
- Tracking Influenza Vaccine Administration
- Monitoring Patients on Canned Nutrition
- Dialysis Patient Monitoring
- Mammography Tracking
- Identify Pre-diabetic Patients
- Track Hypoglycemic and hyperglycemic episodes
- Identify High Respiratory Risk Patients for review
- Hospitalist Shift Handoff
- Drug Toxicity Monitoring of CLC Patients
- Pain Clinic
- Medication Dispensing
- ISO Office monitors clinician access to "Sensitive" Flagged Records
- Shift Handoff Documentation

*Poster presentation Decennial 2020: VHA CDI Prevention Bundle: Progress Over 8 Years Decreasing CDI LAB ID Events at a Large VA Medical Center.
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.

Join the more than 50 VAMCs benefiting from TheraDoc® by calling 561-284-7000 or emailing FederalSales@dssinc.com to schedule a personalized demo at your convenience.