Force Readiness Modeling & Simulation

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Overview

• The World We Live In...
• U.S. Response to Wounded Warrior Needs
• IDES...An Effective But Complex Solution
• Managing IDES Performance
• IDES Simulation Model
• Demonstration
• Questions
“Apart from the war itself, this department and I have no higher priority.”

Defense Secretary Gates, May 2007
U.S. Response to Wounded Warrior Needs

Senior Oversight Committee (SOC)
Co-Chairs:
DEPSECDEF and DEPSECVA

Overarching Integrated Product Team (O IPT)

Full-time staff and VA Detail

Incoming from other commissions

Press Releases

1. Disability System
2. TBI/PTSD
3. Case Management
4. DoD/VA Data Sharing
5. Facilities
6. ABC WiIP
7. Legislation & Public Affairs
7. Pay and Personnel

Congress & Media
U.S. Response to Wounded Warrior Needs

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November 2007, the U.S. Departments of Defense (DoD) and Veterans Affairs (VA) created IDES, a new disability evaluation process

- Pilot a joint process to evaluate disabilities of seriously wounded, ill or injured Service members to return to duty or separate
- Share medical examinations and ratings
- Pay separating Service member benefits within 30 days of separation

September 2016, Global enterprise
- Disability decisions to 162,738
- Currently evaluating 20,920
- Gained 2,291 / Completed 2785
- 225 days from referral to benefits
Managing IDES Performance

- Many Performance Management tools
- Supply chain methods manage current “production”
- Simulation modeling to predict system performance

<table>
<thead>
<tr>
<th>Medical Evaluation Board</th>
<th>Responsibility</th>
<th>Average Days</th>
<th>Goal</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEB Phase Overall</td>
<td>DoD and VA</td>
<td>79(AC)/93(RAD)/80(NAD)</td>
<td>100 / 140 / 125</td>
</tr>
<tr>
<td>Referral</td>
<td>DoD</td>
<td>7(AC)/10(RC)</td>
<td>10 / 30</td>
</tr>
<tr>
<td>Claim Development</td>
<td>VA</td>
<td>5(AC)/6(RAD)/7(NAD)</td>
<td>10 / 30 / 15</td>
</tr>
<tr>
<td>Medical Exam</td>
<td>VA</td>
<td>35</td>
<td>45</td>
</tr>
<tr>
<td>MEB Stage</td>
<td>DoD</td>
<td>33</td>
<td>35</td>
</tr>
</tbody>
</table>

Case Flow

<table>
<thead>
<tr>
<th></th>
<th>Inflow</th>
<th>1-mth.Δ</th>
<th>5-mth.Δ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inflow</td>
<td>2,312</td>
<td>+330</td>
<td>-285</td>
</tr>
<tr>
<td>Outflow</td>
<td>2,192</td>
<td>+119</td>
<td>+120</td>
</tr>
</tbody>
</table>

Inflow: 2,597 2,072; Outflow: 2,041 1,412
IDES Simulation Model

A discrete-event simulation that models the flow of Service member disability cases

Inputs:
- Personnel Staffing
- Service member cases
- Processes and process times

Outputs:
- Speed
- Case production
- Inventory
- Staff utilization
- Diagnostics
Includes a dynamic, simulation model-based dashboard that animates IDES performance over time.

- Dashboard can visualize any model performance output
- Can drill-down to see the performance at any location
IDES Simulation Model

Dashboard Filters
- Service: DoD
- Site: All
- Stage: IDES Process
- Metric: Timeliness

MTF Site: All

IDES Process Timeliness (Days):
- 237

IDES Process Inventory:
- 4,303

IDES Process Throughput:
- 230

Sites Meeting Timeliness Goals
- DoD: Meets: 22, Does Not Meet: 3
- Navy/Marine Corps: Meets: 4, Does Not Meet: 1
- Army: Meets: 14, Does Not Meet: 1
- Air Force: Meets: 4, Does Not Meet: 1
IDES Simulation Model
Simulation Demonstration