CYBERSECURITY AND TELEHEALTH: PROTECTING HEALTHCARE’S MAJOR ASSET

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SCOPE OF EVOLVING THREATS
WHY IS HEALTHCARE A TARGET?

- Shift from paper
- Increase in medical devices and endpoints
- Sophistication of attacks
HEALTHCARE WARNINGS

June 2013
FDA urges protection of medical devices from cyber threats

August 2014
“Law enforcement is aware of an increase in the number of attacks targeting the healthcare sector, and believe that trend will continue over the next few years due to a lack of security of the majority of medical systems.”
WHO IS CARRYING OUT THE ATTACKS?

FBI Files:
Most Wanted Hackers

ORGANIZED CRIME

Hacked By #GOP
MEDICAL IDENTIFY THEFT
## SITE SELLING MEDICAL ID CARD

### Medical Fullz

<table>
<thead>
<tr>
<th>Features</th>
<th>Features</th>
<th>Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product class</td>
<td>Digital goods</td>
<td>Origin country</td>
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<tr>
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<tr>
<td>Ends in</td>
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<td>Payment</td>
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Sold by [Hidden] - 3 sold since Jul 7, 2016

**Vendor Level 5**  **Trust Level 5**

- Default - 1 days - USD +0.00 / item

- **Purchase price:** USD 5.00
- Qty: 1
  - [Buy Now](#)  [Queue](#)

**Product Description**

PatID, FirstName, LastName, Soc, Addr1, Addr2, City, State, Zip, HomePhone, WorkPhone, Email, LastApptDate, LastVisitType, NextApptDate, NextVisitType, LastDOS, FollowUpDate, BirthDate, Ins, InsID1, InsID2, RefPhysCode, First, Last, Title, LastPract, LastBase, LastTotal

**NO Refund.**

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**UW Medicine**
SITE SELLING US CITIZEN INFORMATION
SECURITY
ENCRYPTION
ACCESS CONTROL

secure access
MEDICAL PRIVACY
LOTS OF DATA
SO, WHAT CAN WE DO
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