eSaude Implementers Meeting

Hosting Models and Hardware Requirements
May 2014

Jan Flowers, Senior Informatics Advisor
University of Washington
## Hosting Models

<table>
<thead>
<tr>
<th>Single Machine Installation</th>
<th>Health Facility Server</th>
<th>Provincial Level Host Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installed on one computer. Data entry performed on same machine.</td>
<td>Installed on computer that serves web pages to other computers accessing through Intranet.</td>
<td>Installed on computer at provincial level. Data entry performed at health facility, but into provincial server over the Internet.</td>
</tr>
<tr>
<td><strong>Pros:</strong> Minimum computer equipment needed, no networking to support</td>
<td><strong>Pros:</strong> Scalable at HF, No Internet required</td>
<td><strong>Pros:</strong> Minimum IT support, Easy to scale across facilities</td>
</tr>
<tr>
<td><strong>Cons:</strong> Not scalable as you add computers to the HF</td>
<td><strong>Cons:</strong> More complex design, requires networking in HF</td>
<td><strong>Cons:</strong> Requires Internet, No access to data at HF when no Internet</td>
</tr>
</tbody>
</table>
Hardware Requirements

OpenMRS Recommendations

100s of patients
- 1 GHz processor or better, 256 MB of memory or more, 40 GB hard drive or larger.

10,000 patients
- 1.5+ GHz, 2 GB of memory, and 150+ GB of disk space with RAID and appropriate backup facilities.

250,000 patients at AMPATH
- Two 2.26 GHz quad processors, 16 GB of memory, and 500 GB of disk space with RAID and appropriate backup facilities.

JEMBI Recommendations?

I-TECH Experience?
Thank You!

Jan Flowers
Senior Informatics Advisor
University of Washington I-TECH

email: jflow2@uw.edu
skype: jan.flowers