Go Paperless! Bridging the Gap Between Audiology and Electronic Medical Records

Lance Brown
Director of Software Integration

EHR
electronic health record

EMR
electronic health record

OMS
office management solution

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<table>
<thead>
<tr>
<th></th>
<th>Type 1</th>
<th>Type 2</th>
<th>Type 3</th>
<th>Type 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Customer Type</td>
<td>Large Hospital Networks</td>
<td>Large ENT / Special Private Practice ENT</td>
<td>Dispensing Audiologist and Dispensers</td>
<td></td>
</tr>
<tr>
<td>EMR Classification</td>
<td>Customizable EMR Solution</td>
<td>Shared Customized EMR Solution</td>
<td>Standardized EMR Solution</td>
<td>Scheduling, Billing, Database, Hearing Aid Tracking, and Marketing</td>
</tr>
<tr>
<td>Integration</td>
<td>Can be connected OTObase and other solutions</td>
<td>* Most likely will require EMR customization</td>
<td>Simplified integration</td>
<td>Self-contained solution</td>
</tr>
<tr>
<td>Uses</td>
<td>Share data/records across large network with multiple specialties</td>
<td>Users needing more flexibility than type 3 offers</td>
<td>Primarily used by one department type (ENT)</td>
<td>Primarily focused on Hearing Aid record keeping and tracking</td>
</tr>
<tr>
<td>Interface</td>
<td>HL7</td>
<td>HL7</td>
<td>HL7</td>
<td>Mostly proprietary</td>
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</tbody>
</table>

*Health Level-7 or HL7 refers to a set of international standards for transfer of clinical and administrative data between software applications used by various healthcare providers.

Audiology and EMR Today

- Non-PC
- Workstation connected to EMR
- EMR / EHR
- Test and manually enter results
- errors can occur

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2 Separate Processes
Audiology and EMR Today


2 Separate Processes

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[Continued logo]
Audiology and EMR with OTObase

- Audiogram
- Immittance
- OAE
- Fitting
- Video Otoscope
- Evoked Potentials
- VNG/ENG

OTObase..... Look Familiar?

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Customized Reporting

Noah and the OTO World

<table>
<thead>
<tr>
<th>NOAH</th>
<th>OTObase</th>
<th>Otosuite/other suites</th>
<th>Otosuite Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Launch pad for audiology software</td>
<td>Replaces Noah user interface to allow EMR integration</td>
<td>Software that standardizes the user interface to control audiology hardware</td>
<td>Report designer for OTObase and OTOsuite</td>
</tr>
<tr>
<td>Standardized database for audiology</td>
<td>Includes 10GB up to ~</td>
<td>Includes 4GB Database</td>
<td></td>
</tr>
<tr>
<td>Includes 4GB Database</td>
<td></td>
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</tbody>
</table>
**Reporting methods**

**OTObase Reporting options**
- Customized Base 64 PDF
- Linked PDF (stored on shared drive)
- Embedded Discrete Data

<table>
<thead>
<tr>
<th>PDF</th>
<th>Discrete Data</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plus</td>
<td>Minus</td>
</tr>
<tr>
<td></td>
<td>Raw data is not available from with in the EMR, only in OTObase</td>
</tr>
<tr>
<td>Easy to implement, update, and maintain</td>
<td>Raw data is available from with in the EMR for analytics.</td>
</tr>
<tr>
<td>Flexible Reporting options</td>
<td></td>
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</tbody>
</table>

- High Cost is implement and maintain
- Software updates must be tightly managed to prevent breaking the connector
- Limited to the design from within the EMR (ex. Combined or split audiogram)

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**Software Integration Group**

**SIG OFFERS**

EMR Integration
Backup Solutions
Networking
Consulting
EMR Readiness

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[Continued logo]
Preparation is the key to success

- Current network situation
- PC Locations
- Audiology Equipment
- Current and ideal workflow
- Current database structure
Preparation Database Location

Manage expectation with current equipment

Equipment type and does it have connectivity?
Evaluate Current Environment

First focus on preparing what's already in place
Results

Preparation

Get the latest software (Noah Modules)
Current Patient Flow

- Understanding Noah limitation (login in and out)

**Current Noah Database Health?**

- First and Last Name
- DOB
- ????

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