




Electronic Medical Records

Usage of Electronic Health Record System

Arkansas Department of Correction
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Description of the Electronic Health Record System used in the Arkansas Department of Corrections as part of the Electronic Offender Management System; Obstacles and Benefits

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Health Services Project History

- **Arkansas DOC contracts with vendor for medical services**
- **The vendor supplied stand alone software for medical records**
- **March 2005 Arkansas DOC/DCC contracted for replacement EMR software**
- **June 2005 Marquis Software implemented statewide eOMIS EMR modules**

Overview of Health Services Applications

- Part of enterprise solution for offender management system
- Supports Medical, Dental and Mental Health
- Health Service Images
 - Offender Photograph
 - Wound Photographs
 - X Rays
 - Dental Charts
 - Scanned Medical Documents

Overview of Health Services Applications

- **On-Line Functions (over 400 choices) Searches, Lists, Rosters, Alerts, Exceptions, Summaries, Statistics**
- **Batch Reports (over 300 choices) – Lists, Rosters, Exceptions, Summaries, Statistics**
- **External Application Interfaces**
 - **HL7 Pharmacy Vendor Orders**
 - **Alerts**
 - **HL7 Laboratory Vendor Results**

Overview of Health Services Applications

- **eOMIS EMR Technology**
 - **JAVA Language**
 - **Any J2EE Compliant Web Server**
 - **Any J2EE Compliant Relational Database**
 - **Browser Based Ultra Thin Client**
 - **One Common Integrated Database**
 - **Accurate, comprehensive, and consistent data Department-wide**
 - **Eliminates need to transfer data between computer platforms**
 - **Web Enabled**
 - **For universal access via intranet and internet**

Summary of Health Related Benefits

- ❑ **Medical, Mental Health and Dental records are easily accessible at any facility at any time, statewide**
- ❑ **Repeat offenders returning have historical records online – not in storage box or on microfiche cards**
- ❑ **Medical encounters, vitals, medications are available to central office administrative staff who answer calls from families, legislators, attorneys and parole board members**
- ❑ **No need to find/send paper folder (Jacket) when inmate transfers between facilities**

Summary of Related Benefits for Classification, Security, and Housing

- ❑ **Classification is a multi-disciplinary approach between security, medical and mental health staff.**
- ❑ **Central access allows sharing of information seamlessly.**
- ❑ **Medical staff utilize wireless laptops in maximum security areas to provide the most current information for staff making job, housing, and program assignments**
- ❑ **“Precautions” maintained in the system provides instant information during an incident or emergency.**

Summary of Related Benefits for Classification, Security, and Housing

- The central electronic record provides the ability to remotely know medical needs of inmates during evacuations because of storm damage and coordinate resources timely.
- Health Services assists PREA investigations with inmate statements made during examinations that again are available to management and investigators.
- Health records information is available in real time during parole hearings for cases where inmates may request exemptions due to an alleged health status.

Lessons Learned

- Must have a network infrastructure that can support the system, with the speed to provide a timely response.**
- Staff resistant to change**
- Patience and understanding is a must for all stake holders**
- Must have a Helpdesk for users to contact**
- Training for users by professionals familiar with staff medical duties and software application.**

Question and Answers

