Solving for Today. Preparing for Tomorrow.

Your phone has been automatically muted. Please use the Q&A panel to ask questions during the presentation!

TODAY'S PRESENTERS

- Mark Hanrahan
    - Conversion Clinical Analyst
    - Galen Certified - Allscripts TouchWorks EHR | V11 Note | MU 2
    - Lead TouchWorks EHR Consultant

- Erin Michaud
    - Lead Conversion Clinical Analyst
    - Certified in Epic Willow (Pharmacy)
    - Epic EHR Consultant

- Elise Brault
    - Conversion Clinical Analyst
    - Galen Certified - Allscripts TouchWorks EHR | Advanced Order & Results | V11 Note
    - Lead TouchWorks EHR Consultant

Introduction: Clinical Data Conversion

What is a clinical data conversion?

- Process of extracting clinical data from one system and loading the data into another system
- The system the data is extracted from is referred to as the "source" or "legacy" system
- The system the data is loaded into is referred to as the "target" or "new" system

Introduction: Clinical Data Conversion

- ▪ Why do healthcare organizations go through conversion?
  - Consolidation
  - Changing EMRs

Introduction: Clinical Data Conversion

- Galen's Conversion Team

  - Technical Analyst
    - Extracts, GalenETL, Loading

  - Clinical Analyst
    - Project Management, Clinical Mapping, Testing/Validation

Introduction: Clinical Data Conversion

- Client Conversion Team

  - Decision Maker

  - Technical Resources
    - System Access, Point of Contact for Interfaces

  - Clinical Resources
    - Clinical Mapping Validation, Testing/Validation

CLINICAL DATA CONVERSIONS

- Phase 1: Project Design
- Phase 2: Extraction and Data Evaluation
- Phase 3: Data Mapping
- Phase 4: Testing and Validation
- Phase 5: Conversion Go-Live
- Phase 6: Support and Gap Loads

Phase 1: PROJECT DESIGN

- Actions
  - Kick-Off Meeting
  - Scoping Decisions and Sign-off
  - Project Plan
  - Initiating Access

Phase 1: PROJECT DESIGN

- Considerations
  - Scoping
  - Timeline
  - Resources
  - Access and Technical Requirements

Phase 2: EXTRACTION & DATA EVALUATION

Usage	Vital Types
903690	Diastolic
903690	Systolic
887986	Weight
798489	Heart Rate
764201	Height
523741	Temperature
398545	O2 Saturation
376119	Respiration
13639	FiO2
2721	Head Circumference
1645	Diastolic Additional
1645	Systolic Additional
1126	Pain Scale
1035	Diastolic Lying
1035	Systolic Lying

- Actions
  - Data extraction from source and target systems
  - Data Analysis
  - Mapping Workbook Creation and Configuration

Phase 2: EXTRACTION & DATA EVALUATION

- Considerations
  - Example Decisions Around Converting the Data
    - o Required immunization dates
    - o Using a default provider
    - o Note statuses
    - o Putting data in comment fields

Phase 3: DATA MAPPING

- Actions
  - Map each data element in scope
    - Encounters
    - Departments/Sites
    - Providers
      - PCPs
    - Lab and Imaging Results
    - Transcriptions
      - Note Status
    - Scanned Documents
  - Problems
    - Problem Status
  - Medications
    - Route
    - Admin Units
  - Allergies
    - Allergy Reactions
  - Vitals
  - Immunizations
    - Routes
    - Site
    - Manufacturer

Phase 3: DATA MAPPING

- **Considerations**
  - Review and Sign-off
    - Resource Allocation
  - Exclusion of Specific
    Data Types
  - Ways to Reduce Mapping Time
    - Automate Mapping
    - Limit Scope by Usage
  - Decisions Around New Build

Immunization Mapping

LegacyEHR Immunization Code	LegacyEHR Immunization Name	TargetEHR Immunization Code	TargetEHR Immunization Name	Usage in External System
47	Hib (HbOC)	8	HIB PRP-T CONJUGATE, IM	289
46	Hib (PRP-D)	8	HIB PRP-T CONJUGATE, IM	242
151	influenza nasal, unspecified formulation	79	INFLUENZA NASAL	146
123	influenza, H5N1-1203	70002	INFLUENZA, H5N1-1203	70
135	Influenza, high dose seasonal	138	HIGH DOSE FLU	46
155	influenza, recombinant, injectable, preservative free	106	INFLUENZA PRESERVATIVE FREE	36
141	Influenza, seasonal, injectable	106	INFLUENZA PRESERVATIVE FREE	17
140	Influenza, seasonal, injectable, preservative free	106	INFLUENZA PRESERVATIVE FREE	10

Phase 4: TESTING & VALIDATION

- Actions
  - Unit Testing
  - Small Scale Testing
  - Large Scale Testing
  - Full Scale Testing

LegacyEHR Vital Sign Information				Do we have matches on the following?					
Performed Date/Time	Vitals Name	Vitals Value	Units	Date/Time	Vitals Name	Vitals Value	Units		
1/10/13 20:10	Blood Pressure	110/68	mmHg						
1/10/13 20:10	BP Location	Left upper arm	0						
1/10/13 20:10	BP Position	Sitting	0						
12/30/11 9:39	Blood Pressure	115/65	mmHg						
12/30/11 9:39	BP Location	Left upper arm	0						
12/30/11 9:39	BP Position	Sitting	0						

Phase 4: TESTING & VALIDATION

- ▪ Considerations
  - Testing Environment
  - Testing Resources
  - Validation Technique
  - Coordination and Logistics
  - Consolidation of Issues

Full-Scale Validation Checklist (Round 1)	
Task	Complete?
Validation Rooms are reserved	Yes
Galen Resources Assigned	Yes
TEST Access - Galen Resources	Yes
Patient Content extracted for validation scripts	Yes
Target EHR Access Acquired	In Progress
Workstation Setup	In Progress
Validation Resource Scheduling	In Progress

PHASE 5: CONVERSION GO LIVE

- Actions
  - ✓ Go Live Checklist
  - ✓ Finalize Import Files
  - ✓ Communication Plan
  - ✓ Timeline

PHASE 5: CONVERSION GO LIVE

- Considerations
  - Information gathering/decisions

PHASE 5: CONVERSION GO LIVE

- Considerations

  - Information gathering/decisions
  - Training materials /training

PHASE 5: CONVERSION GO LIVE

- Considerations

  - Information gathering/decisions
  - Training materials /training
  - Timing of test import files

PHASE 5: CONVERSION GO LIVE

- Considerations

  - Information gathering/decisions
  - Training materials /training
  - Timing of test import files
  - Interfaces

PHASE 5: CONVERSION GO LIVE

- Considerations

  - Information gathering/decisions
  - Training materials /training
  - Timing of test import files
  - Interfaces
  - Dependencies

GO LIVE CHECKLIST...the start

Time (from)	Event/Task	Owner	Time (complete)	Status
Mon, Apr 13	Analysis against PROD: list of orders and results that will be created by autofiler – provide to client.	Galen IT	Wed, Apr 15	Complete
Mon, Apr 13	Gap Mapping WB's – all data elements (January-4/13ish).	Galen IT	Mon, Apr 13	Complete
Mon, Apr 13	Complete gap data mappings.	Galen Analyst	Wed, Apr 15	Complete
Mon, Apr 13	Providers verify o/s results.	Client	Fri, Apr 17 5:00 pm	
Tue, Apr 14	Validate gap data mappings.	Client	Thu, Apr 16	Complete
Fri, Apr 17 9:00 am	Last set of results from lab vendor – validate that all are verified before conversion begin.	Client	Fri, Apr 17 5:00 pm	Complete
Fri, Apr 17 5:00 pm	Providers/end users off legacy EHR.	Client	Fri, Apr 17 5:00 pm	
Fri, Apr 17 5:30 pm	**EMAIL to team:** Start Conversion Kick-off Email chain: list of contacts below.	Galen PM	Fri, Apr 17 5:30 pm	
Fri, Apr 17 5:30 pm	SSMT any orders/results identified through analysis: keep results sequence in order.	Client	Fri, Apr 17 7:00 pm	
Fri, Apr 17 7:00 pm	Run LIVE Clinical Data Extracts.	Galen IT	Fri, Apr 17 9:30 pm	
Fri, Apr 17 7:00 pm	Gap Mapping WB's – all data elements (4/13ish – 4/17)	Galen IT	Fri, Apr 17 9:30 pm	
Fri, Apr 17 7:00 pm	Prep Clinical Data for Import into TW PROD.	Galen IT	Fri, Apr 17 11:00 pm	
Fri, Apr 17 7:00 pm	Data sample import into TW PROD.	Galen IT	Fri, Apr 17 11:00 pm	
Fri, Apr 17 8:00 pm	**EMAIL to team:** Ready to begin sample validation of conversion data (unit and sample test approach, as data elements are ready)	Galen IT	Fri, Apr 17 11:00 pm	

GO LIVE CHECKLIST…the rest

Time (from)	Event/Task	Owner	Time (complete)	Status
Fri, Apr 17 7:30 pm	Validation of data sample conversion in TW PROD – 10 patients (include culture results and panels such as Hep Acute).	Conversion Testing Team	Fri, Apr 17 11:00 pm	
Fri, Apr 17 11:00 pm	Full data import into TW PROD.	Galen IT	Sat, Apr 18 7:00 am	
Sat, Apr 18 8:00 am	**EMAIL to team:** Status of data conversion – counts on what is still running/projections for completion. Attach gap mapping WB's.	Galen IT	Sat, Apr 18 10:00 am	
Sat, Apr 18 12:00 pm	Validation of conversion data – scope/effort of this entirely defined by client.	Conversion Testing Team	Sat, Apr 18 6:00 pm	
Sun, Apr 19 8:00 AM	Continue validation of conversion data – if needed.	Conversion Testing Team	Sun, Apr 19 1:00 pm	
Sun, Apr 19 10:00 AM	Conversion team status call.	All	Sun, Apr 19 11:00 AM	
Sat, Apr 18 10:00 am	Complete new data mappings.	Client	Sun, Apr 19 1:00 pm	
Sat, Apr 18 5:00 pm	**EMAIL to team:** Status of data conversion – counts on what is still running/projections for completion.	Galen PM	Sat, Apr 18 5:00 pm	
Sun, Apr 19 1:00 pm	Re-import data for new data mappings	Galen IT	Sun, Apr 19 4:00 pm	
Sun, Apr 19 4:00 pm	**EMAIL to team:** Send out communication that the conversion is complete/any noteworthy items.	Galen IT	Sun, Apr 19 TBD	
Sun, Apr 19 TBD	Email lab interface team – once receive conversion complete email. Cutover interface to Target EHR.	Client	Sun, Apr 19 TBD	
Sun, Apr 19 TBD	**EMAIL to team:** Lab interface cutover communication complete.	Client	Sun, Apr 19 TBD	
Mon, Apr 20 7:00 am	Go-Live	All	Mon, Apr 20 7:00 am	
Mon, Apr 20 5:00 pm	Status Call	All	Mon, Apr 20 5:30 pm	

PHASE 6: SUPPORT & GAP LOADS

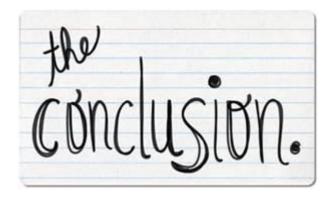- Actions
  - Go-Live Support
  - Issue Resolution
  - Gap Loads

PHASE 6: SUPPORT & GAP LOADS

- Considerations

  - Decision List

  - Issues List

  - Final Mapping Documents

DATA CONVERSIONS…

Thank you for joining us today.

For additional assistance contact us through our website at www.galenhealthcare.com