

Life After WebTracker Migration: Reaping the Benefits

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Life After Web Tracker (WT) Migration

- Two Sites
 - 1 Pediatrics only- Children's Healthcare of Atlanta (CHOA), Scottish Rite
 - 1 Adult and Pediatrics- Emory Main Campus
- Merged Sites
 - All patients/staff merged onto Emory Campus
 - Merged 2419 Web Tracker Patient Records
 - Data from Lab Tracker since 2002
 - Data from Access database prior to LT – since 1988.

The Emory/CHOA Migration

- We were involved in the WT Development Committee and served as a beta test site
- We are exploring ways to utilize WT to further streamline our operations:
 - Clinic workflow
 - Surveillance reporting
 - Research
 - System Improvements

Supports Efficient Clinic Workflow

- Schedule/track appointments
 - Monitor compliance with return appointments
 - Document reason for appointment
 - Track No Show and Cancellation Rates
- Generate Appointment Sheets
 - Shared with multi-disciplinary team members in advance of the clinics
 - PT, Ortho, ID, SW, Outreach
 - Includes reason for visit – facilitates clinic prep
- Print Labels for UDC forms/specimens – other applications

Appointment Sheet

Visit Date:	09/09/2011					
Name	Diagnosis	Date of Birth	Clinic ID	Time	Type of Visit	Visit Notes
	Hem A	mmddyyyy	XXXXX	8:00	Comprehensive	yrtc- confirmed bg
	Hem A, Inh	mmddyyyy	XXXXX	8:00	Follow Up	Post dc, iliopsoas bleed
	Plt Dys	mmddyyyy	XXXXX	8:15	Comprehensive	yrtc - NC- sent letter
	vWD, 1	mmddyyyy	XXXXX	8:15	Follow Up	Stimate Challenge
	Hem B	mmddyyyy	XXXXX	8:30	Comprehensive	TJ R knee
	Factor VII	mmddyyyy	XXXXX	8:30	Comprehensive	Needs tx plan for surgery
	vWD, 1	mmddyyyy	XXXXX	8:45	Comprehensive	yrtc- rescheduled X 2

Workflow Improvements - Continued

- ATHNAdvoy –revolutionize workflow
 - View compliance with Rxd regimen, bleeding frequency, breakthrough bleeds, research reporting, etc. – reports can be printed and discussed at clinic
- Pre-clinic Summary
 - dx, insurance, inhibitor (P/MR), medications, surgeries, etc.
 - Review with team prior to clinic; focuses team on areas of concern
- Document Disposition/Return Appt./Referrals
- Prepare travel letters/emergency instructions-

ATHNready

Ready, Athn

DOB: 7/13/1987

Sex: Male

Alert: Patient has a bleeding disorder. This report is prepared because the person requires special attention and treatment for their bleeding disorder in case of an emergency.

The information below was last updated on:

7/22/2011

Diagnosis:

Primary Bleeding Disorder: Factor VIII, hereditary <1% (Severe)

History of Inhibitor: No

Current Inhibitor: No

Inhibitor Titer (Porcine):

Inhibitor Titer (Human):

Latest:

Date:

All Known Diagnoses:

Name:

Date of Onset:

Factor VIII, hereditary

1/24/1988

Allergies:

Dog dander

Medications

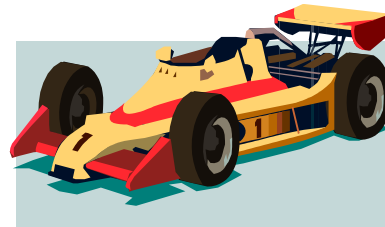
Name:	Treatment Type:	Dose:	Maximum Dose:	Units:	Frequency:
Antihemophilic Factor Recombinant VIII	Prophylaxis/Primary	2,500.00		unit / dose	3 Times/Week
	Prophylaxis/Event	3,500.00		unit / dose	1 Time/Week

Warnings: Because the patient has a bleeding disorder:

INVASIVE PROCEDURES INCLUDING IM INJECTIONS SHOULD BE AVOIDED UNLESS PRETREATED WITH REPLACEMENT THERAPY OR CLEARED BY A HEMATOLOGIST OF RECORD. DO NOT GIVE ASPIRIN CONTAINING PRODUCTS

Reporting

Buying an EMR is like buying a car...



Facilitates Surveillance/Other Reporting

- Track the number of patients consented for:
 - ATHNdataset
 - Patient Choice Policy
 - Research Studies, etc.
- Collect data/generate reports:
 - HDS- Used WebTracker to generate for 2010
 - UDC- As a beta site, we are involved in the submission/validation of forms to CDC
 - Other Reports
 - Monthly Activity Report
 - Patient List, e.g., inhibitor conference, etc.

Consent Management

The screenshot displays a medical software interface with a 'Patient' tab selected. A table lists consent records, with one record highlighted: 'ATHN LDS' (Authorization) signed on '07/09/2008'. A 'Terminate Consent' dialog box is open, showing details for the selected record. The dialog includes fields for Name, Full Name, Type, Sponsor, Location, Signature Date, and Termination Date. A dropdown menu for 'Termination Reason' is open, showing options: 'Non-compliance with Study Requirements', 'Patient Withdrew Consent', 'Moved out of State', 'Other', and 'Consent Expired'. The 'Moved out of State' option is currently selected. 'Ok' and 'Cancel' buttons are at the bottom right of the dialog.

Name	Type	Signed
ATHN LDS	Authorization	07/09/2008

Terminate Consent

Name: ATHN LDS
Full Name: ATHN Limited Data Set
Type: Authorization
Sponsor: ATHN
Location: In Clinic
Signature Date: 07/09/2008
Scheduled Termination Date:
Termination Date: 07/08/2009
Termination Reason: Moved out of State
Notes:
Non-compliance with Study Requirements
Patient Withdrew Consent
Moved out of State
Other
Consent Expired

Ok Cancel

Patient Type	WebTracker Currently Active Patients	ATHNdataset Patient Authorizations	% Authorized
Report Date: 09/10/2011			
Primary Diagnosis			
Acquired factor VIII deficiency	5	2	40%
Afibrinogenemia	3	0	0%
Factor IX Deficiency	108	33	30%
Factor V - Leiden mutation	7	1	14%
Factor V New Brunswick	2	0	0%
Factor V, hereditary	2	0	0%
Factor VII, hereditary	37	11	30%
Factor VIII Deficiency	471	141	30%
Factor X, hereditary	2	0	0%
Factor XI, hereditary	9	0	0%
Factor XIII, hereditary	2	1	50%
Platelet disorder	211	26	12%
Protein C, hereditary	3	0	0%
VWD	389	97	25%
Subtotals	1251	312	25%
Inhibitor			
Current Inhibitor	33	10	30%
Subtotals	33	10	30%
Age			
<= 18 years	690	109	15%
> 18 years	561	203	36%
Subtotals	1251	312	25%
Sex			
Male	837	234	28%
Female	414	78	19%
Subtotals	1251	312	25%

HDS: WebTracker Reporting Option

Welcome to eWebReports™

CREATE A NEW REPORT

SEARCH EXISTING REPORTS - RELOAD ALL REPORTS **GO >**

- ▶ Clinics
- ▶ Production
 - Appointment Sheet
 - Clinic Notes
 - Factor Level Conversion Exceptions
 - Monthly Activity Report
 - Patient List
 - Patient Registration Form
 - Registration Form
 - UDC Sample Labels
- ▶ **HDS**
 - HDS REPORT EXCEL 2007 FORMAT**
 - ▶ **HDS Data Tables**
 - HDS Table A Patients
 - HDS Table B Patients
 - HDS Table C Patients
 - HDS Table D Patients
 - HDS Table E Patients
 - ▶ **Supporting Queries**
 - HDS Deaths
 - HDS Excluded Patients
 - HDS Factor IX Patients
 - HDS Factor VIII Patients
 - HDS HIV Patients
 - HDS Inactive Patients
 - HDS Other Factor Deficiencies
 - HDS Patients on Sirmate
 - HDS PCP Written Reports
 - HDS Total Number of Comprehensive Evals Conducted
 - HDS Unduplicated Patients with Annual Comprehensive Evals
 - HDS vWD Patients

EDIT **DUPLICATE** **DELETE**

Export as: **GO >**

Report Description
This is the main HDS report that produces an excel file with all HDS numbers compiled.

NOTE: THIS REPORT MAY TAKE SEVERAL MINUTES TO COMPLETE.

Make sure "Export As: Excel" is selected and click "GO".

Enter the date range to be used for the report.

Download and open the report in Excel.

- HTC controlled reporting
- Streamlined submissions in 2010

HDS Supported Queries in WebTracker

(Aggregate counts; not identifying or individual level data)

- Deaths
- FVIII patients
- FIX patients
- VWD patients
- Other factor deficiency patients
- HIV patients
- Patients on Stimulate
- Total comprehensive evaluations conducted
- Unduplicated patients with evaluations
- PCP written reports
- Inactive patients

Monthly Activity Report

- Reports on Patient Related Activities/Visits:
 - Annual Comprehensive
 - Follow up
 - Office
 - ER
 - Hospitalization Inpatient
 - Hospitalization Outpatient
 - Phone Contacts
 - Written Communications
- Includes name, date and notes for each encounter
- Can set any time frame for reporting

Monthly Activity Report
Comprehensive

Date	Name	Provider	Visit Subtype	Reason for Visit
7/1/2011 8:00:00 PM		Chapman, Robin	Annual Visit	1st visit, fviii-transfer from UAB
7/14/2011 8:00:00 AM		Garner, Beth	Annual Visit	yrtc bg PUC

Emergency Room

Date	Name	Provider	Visit Subtype	Reason for Visit
7/16/2011 12:00:00 PM		Harris, Jennifer	ER	fell and not sure if he hit his headrcvdr novoseven as well as had a negative CT scan.

Hospitalization (Inpatient)

Date	Name	Provider	Visit Subtype	Reason for Visit
7/3/2011 12:00:00 PM		Chapman, Robin	Hospitalization	ICH

Hospitalization (Outpatient)

Date	Name	Provider	Visit Subtype	Reason for Visit
7/29/2011 10:00:00 AM		Koval, Betsy		Wisdom teeth extraction

Non-office Visit

Date	Name	Provider	Visit Subtype	Reason for Visit
7/13/2011 10:00:00 AM		Harris, Jennifer	Lab Only	pt came in for type and cross prior to his FFP

Office Visit

Date	Name	Provider	Visit Subtype	Reason for Visit
7/7/2011 3:30:00 PM		Koval, Betsy	Infusions	right thigh bleed.

Telephone Contact

Date	Name	Provider	Visit Subtype	Reason for Visit
7/1/2011 1:25:00 PM		Harris, Jennifer	Phone Contact	LM to set up a time for stimate testing prior to wisdom teeth removal
7/5/2011 11:50:00 AM		Harris, Jennifer	Phone Contact	Accredo called to get an approval for a cryocuff that marc is requestapproved per Dr. Kempton

Written Communication

Date	Name	Provider	Visit Subtype	Reason for Visit
7/6/2011 9:00:00 AM		Harris, Jennifer	Letter Sent	Mailed physical therapy prescription to patient

Research Activity – Query WebTracker for Potential Participants

- Example: Need to Identify Hemophilia A patients; No History/Current Inhibitor; Baseline FVIII $\leq 2\%$; > 150 Exposure Days.
- Query Results for Emory/CHOA HTC:

<u>Condition</u>	<u>Number</u>
– Hemophilia A Patients	471
– With No Current or Past Inhibitor	438
– Baseline Factor VIII $\leq 2\%$	273
– >150 Exposure Days	6

- Prints list of names and any other fields as indicated

Research Activity- Monitor Activity

- Data Elements
 - Title
 - Type of Consent
 - Sponsor
 - Consent/Refusals
 - Refusal Reason
 - Enrollment Date
 - Termination Date
 - Reason for Termination

UDC Inhibitor Study Activity

Patient Uniqueld	Abbreviated Title	Consent Type	Refused	Refusal Reason	Signature Date	Termination Date	Reason For Termination
	CDC Inhibitor Study	Surveillance	No		6/18/2007 12:00:00 AM		
	CDC Inhibitor Study	Surveillance	No		11/4/2010 12:00:00 AM	8/18/2011 12:00:00 AM	Non-compliance with Study Requirements
	CDC Inhibitor Study	Surveillance	No		6/18/2007 12:00:00 AM		
	CDC Inhibitor Study	Surveillance	No		6/2/2011 12:00:00 AM		
	CDC Inhibitor Study	Surveillance	No		11/12/2009 12:00:00 AM	8/18/2011 12:00:00 AM	Other
	CDC Inhibitor Study	Surveillance	No		8/20/2007 12:00:00 AM		
	CDC Inhibitor Study	Surveillance	No		10/15/2007 12:00:00 AM		
	CDC Inhibitor Study	Surveillance	Yes	Blood specimen for storage	8/11/2011 12:00:00 AM		

EUHASS Compatible Safety Report

(HTC # data from August 1988 - July 2011)

Deaths				
By Diagnosis	HIV +	Liver Disease	Bleeding	Other
F VIII deficiency	32	22	3	3
F IX deficiency	3	5	0	1
vWD	0	0	1	3
TOTAL	35	27	4	7

System Improvements

- Research staff reviews Appointment Sheet for patients potentially eligible for studies based on diagnosis, age
- Queries can then be run to determine eligibility
- A table of patients scheduled for that clinic – and eligible for each study - is generated:
 - Distributed to team prior to clinic - alerts team-consents/study enrollment documents prepared
 - Used to track consents and authorizations after clinic
 - Facilitates data entry

Patient	AGE	Diagnosis	UDC	UDC Inhib	Inspiration	GG	Char FVIII	BD	PLT	RNS	Note
	17	Plt disorder	N								pregnant
	54	Hem B <1%	N		Y			N			Comprehensive
	55	Hem B 10%	N		Y			Y			Follow-up; do BD
	78	vWD-type 1	Y								Annual female UDC
	32	Hem A 8.1%	Y	Y				Y			Taken off inhibitor study
	28	Hem A <1%, Inhibitor	N			Y	Y	E		Y	Follow-up
	3	vWD	N								DFACS
	33	Hem A <1%	N	Y		Y			Y		Follow-up;
	19	vWD type 1	Y								Enroll female UDC
	50	Hem A <1%	Y					Y			Enroll UDC
Total	23		4	2	2	2	1	3	1	1	
Enrolled											
Refused											

Data Quality & Quantity

“Garbage in – Garbage Out”

Problem Solved!

SNOMED CT®

LOINC®

First DataBank

“You reap what you sow!”

Maximize/Customize Data Entry for
Maximum Results

It takes a village - many thanks!

- Beth Garner Site Administrator/WT Ace
 - Cathie Dowis, RN
 - Jennifer Harris, RN, BSN
 - Betsy Koval, RN, BSN
 - Lauren Taylor, MPH
 - Beverly Yandell