Topics

- Health Information Technology Motivators
- Examples of Solutions
- Deployment of Solutions
- From Information to Transformation

HIT Motivators



- Compliance
- Quality Improve Care
- Profitability Improve Performance

Compliance – HIT Standards

To date, the federal Health Information Technology Standards Panel has endorsed *four primary Nursing Home HIT standards*:

- The Patient Assessment Questionnaire Framework
 allows for the capture and exchange of data for such
 functional assessment questionnaires as the Minimum
 Data Set (MDS).
- 2. The *HL-7 Continuity of Care Document (CCD)* allows for the exchange of patient summaries at the time of transfer between care settings.
- 3. NCPDP Script 10.6 allows physician medication order entry, e-prescribing and the exchange of pharmacy data.

Compliance - HIT Standards

4th Standard Coming Soon!

The LTPAC Collaborative, a coalition of organizations that promotes HIT adoption among long-term and post-acute care providers, is represented on two federal HIT decision-making bodies: The Health Information Policy Committee and the Certification Commission for Health Information Technology (CCHIT), which will finalize its certification criteria for long-term and post-acute EHRs in late summer 2010. Once CCHIT puts these criteria into practice in Oct. 2010, providers of long-term and postacute care will have access to interoperable EHR systems designed specifically for their care sector.

Compliance - HIT Standards

"...skilled nursing and assisted living organizations will be expected to have an EHR infrastructure in place and ready to go.

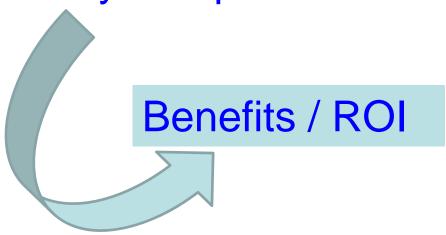
Many facilities have already computerized some of their functions, so the progression to complete automation makes good business sense."

John Sheridan, President and CEO of Cleveland-based eHealth Data Solutions.

HIT Motivators



- Compliance
- Quality Improve Care
- Profitability Improve Performance



The single most frequently-cited benefit for nursing home staff is substantially improved access to health information afforded by an EMR.

This access to electronic records was sharply contrasted to locating and retrieving the single copy of the resident's paper chart, which may be in use by another individual, requiring not only the time to find and retrieve the record but also delays in waiting for the record to become available.

Able to immediately access the chart in a nursing home when receiving a call from the family or the physician.

Access to health records from remote locations without traveling to the facility.

A second benefit that is frequently cited in ROI studies is greater efficiency and accuracy when using integrated financial and clinical solutions.

Bills are automatically generated from clinical information entered into the EMR leading to shorter billing cycles. Information used for payment was reported to be more accurate with automated edit checks, and ensured that services that were provided were billed and that billed services were provided. Claims denials and resubmissions are reduced.

MDS data more accurate and timely.

Administrative staff does not need to enter information that could be automatically pulled from the EHR.

A third benefit is improved quality management through reports, alerts, and decision-support tools...

Electronic reports to routinely track status.

Alerts that identify specific residents with a more immediate concern.

Dashboards that allow for management by exception.

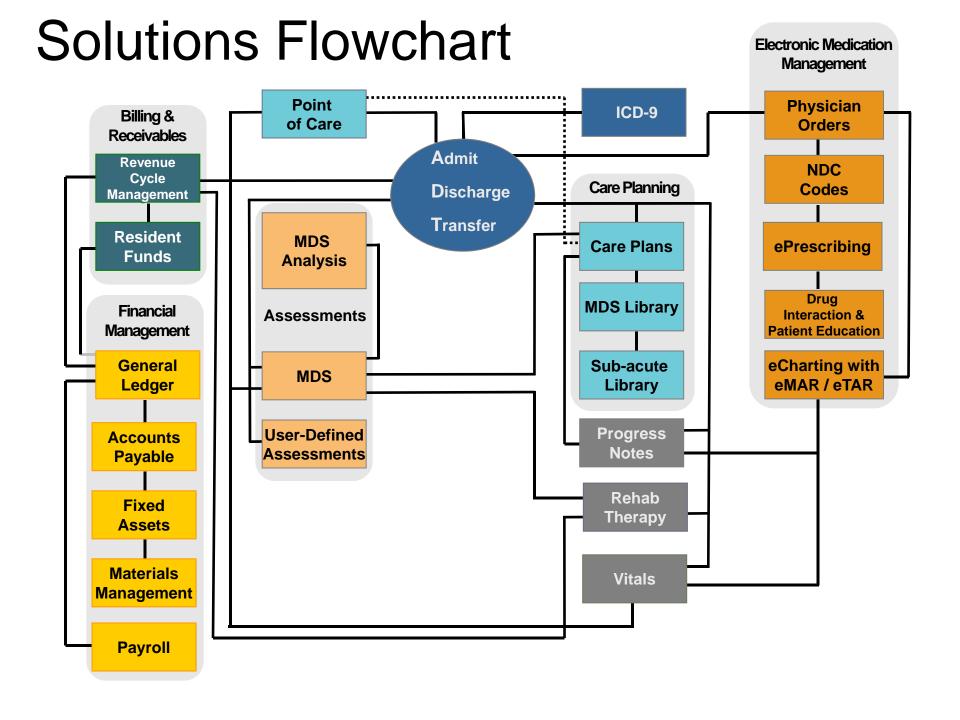
Enables early intervention to prevent problems like falls, weight decline, skin breakdown, and hospitalization.



U.S. Department of Health and Human Services
Assistant Secretary for Planning and Evaluation
Office of Disability, Aging and Long-Term Care Policy

UNDERSTANDING THE COSTS
AND BENEFITS OF HEALTH
INFORMATION TECHNOLOGY
IN NURSING HOMES AND
HOME HEALTH AGENCIES:

CASE STUDY FINDINGS



RESIDENT PROSPECT FACILITY SYSTEM USER REPORTS

ADT Snapshot | ABBOTT, JULIE J | HR# 337043 | ACCT# 10399 | IP VISIT FOR 02/19/2008

CURRENT LOCATION: 1 1 258 D
HEALTH RECORD #: 337043
ACCOUNT #: 10399

DATE OF BIRTH: 01/23/1950

GENDER: Male



	ADMISSION	DISCHARGE	TYPE	ACCOUNT #	HR#
\longrightarrow	02/19/2008		IP	10399	337043

View visit information New visit ClinReadmit

View basic information VISIT INFORMATION FOR ADMISSION: 02/19/2008

▼ CENSUS INFORMATION

FROM DATE	THRU DATE	LOCATION	BED TYPE	STATUS	LEVEL OF CARE	HOLD TYPE	BU/PL	•
04/14/2009		1 1 258 D	В		300 (MCD SK)		1ST	
02/07/2009	04/13/2009	1 1 250 P	В		500 (AAA)		1ST	
02/03/2009	02/06/2009	1 1 250 P	В	Н	500 (AAA)	Hospital	1ST	
03/20/2008	02/02/2009	1 1 250 P	В		500 (AAA)		1ST	
03/04/2008	03/19/2008	1 1 250 P	В		540 (RVB)		1ST	
00/00/0000	00/00/0000	4 4 050 0			E 40 (0110)		107	

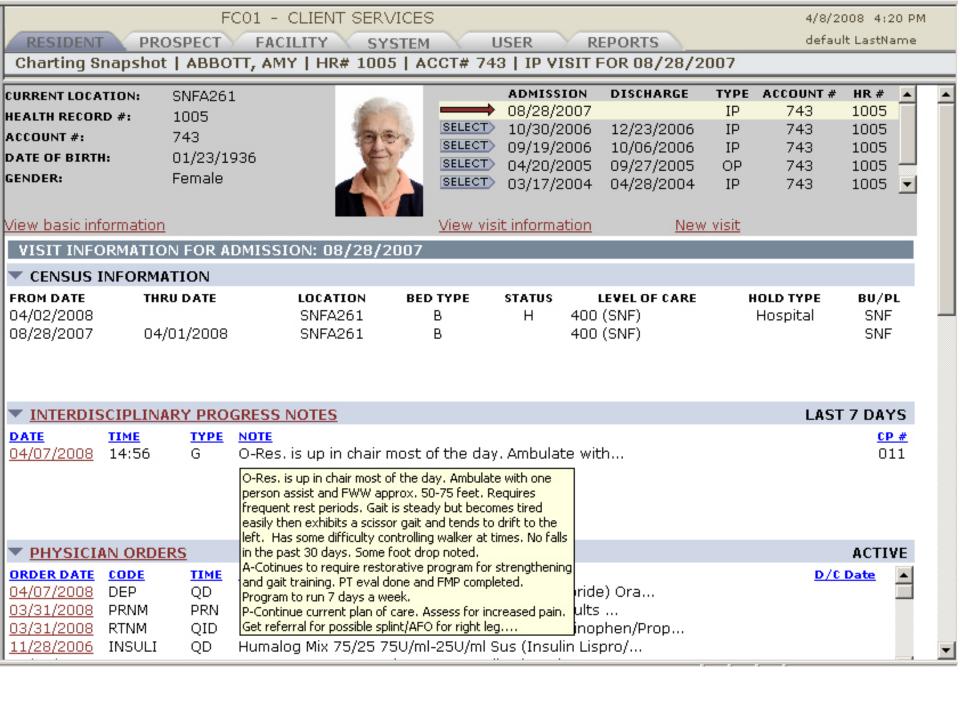
REIMBURSEMENT INFORMATION

PLAN	PAYOR	TYPE	START DATE	END DATE
MEDICARE A PPS	Med A PPS	Medicare	01/03/2008	
MCR A NO PAY 10/01/06 3	Med A PPS	Medicare	02/19/2008	
MEDICARE B	Medicare B	Medicare	02/19/2008	
PRIVATE PAY	Gua0006744	Guarantor	02/19/2008	

CLINICAL INFORMATION

DIAGNOSIS	ICD-9	DX TYPE	BILL SEQ	CLINICAL	•
Symptoms involving nervous and musculoskeletal sys	781.2	P-B	1	1	
Aftercare following joint replacement. Use additio	V54.81	P-B	2	2	
Organ or tissue replaced by other means, hip	V43.64	P-B	3	3	
Other mechanical complication of prosthetic joint	996.47	P-B	4	4	
Essential hypertension, unspecified	401.9	P-B	5	5	
and the first of the second	755.60	5.5	-	-	

PHYSICIAN NAME	CATEGORY	RANK	ALLERGY	REACTION
Kegler, Kim	Attending		ANESTHESIA	
Fuller, Rosario	Referring	1		

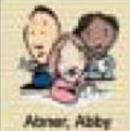


RESIDENT PR	OSPECT FACILITY	USER		Your Facility 2/12/2005 1:56		
REGISTRATION	Paul HR# 80	D ACCT# 11	I IP VISIT FOR 11/20/	1997		
BASIC GUARANTO	R CONTACTS VISI	STATISTICS STATISTICS AND ADDRESS OF	REIMBURSEMENT	ADDITIONAL		
DIT DEL SEQ PLAN	NAME	IMBURSEMEN PAYOR	TYPE START D	ATE END DAT	1 4 of 4	INTERNAL
And the first property of the Control of the Contro	care A		A Medicare 11/20/1		NO	MIENANE
X 20 Media	care 8- Therapies & Urol	ogicals Medicare	e B Medicare 11/20/1	997	NO	
	antor Co-Insurance	Gua000	1638 Guarantor 11/20/1	997	NO	
X 40 Guar	antor	Gua000	1638 Guarantor 11/20/1	997	NO	
1						
San Company of the Co	lan Detail Splits	Rolling Date	Beginning Caps	Zero Payors	Add New Plan	
	NAME AND ADDRESS OF THE OWNER, WHEN PERSON O	PLAN SUMMAR	Y FOR MEDICARE A			
LAN INFORMATION				-		
Plan name:	Medicare A		Sequence:	10		
Plan start date: *	11/20/1997		Qualified hospital stay	The second second		
Plan end date:	-		7	Admit date: 1	1/01/1997	
Prior days used:	0			Discharge dat	e: 11/19/1997	
Prior dollars used:	\$0.00		Void account plan?	C Yes @ No		-
Deductible paid:	\$0.00					
OLICY DETAILS						
Group number:			Release information?	C Yes @ No		
Group name:			Assign benefits?	C Yes @ No		
Policy holder ID:			Signature source code	: B		
OLICY HOLDER						
Policy holder is?	Resident C Other					
Last name:			Address:	123 Pennsylv	ania ave	
First name:	Paul					
Middle initial:	Title:		City:	Columbus		
Gender:	Male		State:	OH 🗡	Zip: 13242	
Date of birth:	03/23/1913 (Age	: 92)	Phone:			
ANSI relationship co						
1500 Box#/Other co						
IPLOYMENT INFORMA	•					
Employment status:			Address:			
Employer name:			City:			
Employment info:		- Comment	State:	-	Zip:	
Employment into:	1		prate.	1	rip. I	

	RES			Your Facility Name 9/29/2005 10:47 AM Lisa Thomas HR# 2143 ACCT# 29 IP visit for 08/22/2005	
Select Resident Select Facility	Search	for:	All current pro	blems SEARCH Add a problems Suggested	em/qoal/intervention problems
Follow-up	Expand a	Ш 9	Collapse all	PLAN OF CARE	Total Problem =12
E-mail Help Sign Out	EDIT	×	P- 001 P- 002 P- 003	STATEMENT POTENTIAL FOR ADVERSE DRUG REACTIONS RELATED TO MULTIPLE MEDICATI POTENTIAL FOR ALLERGIC REACTIONS RELATED TO ALLERGY TO QUININE POTENTIAL FOR UNEXPECTED BLEEDING OR BRUISING R/T DAILY ASA AND	07/20/2002 01/07/2003 07/01/2003
Snapshot Registration> Transfer Hold		×	P- 005 P- 006	IMPAIRED DECISION MAKING RELATED TO COGNITIVE LOSS; DXS INCLUDE D SELF CARE DEFICIT RELATED TO COGNITIVE LOSS, LIMITED DEXTERITY; D POTENTIAL FOR FALLS DUE TO COGNITIVE LOSS, POOR ENDURANCE, AND PO	01/07/2003 01/07/2003 01/07/2003
Reserve Swap Discharge) @	×		ALTERATION IN ELIMINATION RELATED TO OCCASIONAL URINARY INCONTINE ALTERATION IN COMFORT-PAIN OCCASIONAL BACK/SHOULDER DISCOMFORTS;	01/07/2003 01/07/2003
CHARTING Snapshot Assessments	▼ 🖫	×	P-009	Potential for adverse drug reactions related to multiple medication orders. Resident receives Lortab with possible side effect of constipation. Strengths: Resident is able to ambulate to and from the toilet. Add goals Add interventions View resolution history	03/01/2003
Care Plan Care Tracker Physician Orders Therapy Vitals	8	×	G-01 G-02	Adverse drug reactions will be avoided, miminized, or managed through next review. (LTG) Review date: 06/10/2003 Resident will have BM at least every 3 days through next review. (STG) Review date: 06/10/2003 Add goal progress notes	03/01/2003
Charge Orders Receipts Assessments	8	×		Monitor for adverse drug reactions; I.E.; anticholenergic-dry mouth, blurred vission, urinary vission, urinary retention, constipation. Disciplines: NA, LN, ACT	03/01/2003
Retro) BILLING	2	×		POTENTIAL FOR COMPLICATIONS DUE TO DX CHF; DXS ALSO INCLUDE ASHD, POTENTIAL FOR ALTERATION IN NUTRITION R/T DX OF DEMENTIA, ALZHEIM	12/02/2002 02/20/2003
Calculate Charges Reset Account	2	×		POTENTIAL FOR MOOD AND BEHAVIOR CONCERNS R/T MILD ALZHEIMERS AND	02/19/2003
Generate Bills Paper Bills Electronic Bills		_	al review dates ional information	<u>View Plan of Care Report</u> <u>View Nursing Kardex Report</u> <u>View Plan of Care Evaluation Report</u>	

. . . .

SAMPLE FACILITY 1/22/2008 2:13 RESIDENT PROSPECT FACILITY SYSTEM USER REPORTS Gary								
eCharting PROSPECT FACILITY HR# 391		YSTEM CT# 2093 1	USER REPORTS IP VISIT FOR 08/27/1998	G.	iry			
CURRENT LOCATION: 1125 001 C 00022 B		P	HYSICIAN: Holloway, Ralph W 7615550026 YELLOW FEVER VA		AZOVIDE A			
HEALTH RECORD #: 3919	45	and the same	LLERGIES: YELLOW FEVER VA NITROPROPANE-1,	CCINE, 2-E				
ACCOUNT #: 2093	1	D	DV. IRECTIVES: Living Will;DNR					
DATE OF BIRTH: GENDER:			URSING DNR LERT:					
Specific Resident Scan Resident Print Ba	arcodes	PRN Resul	ts <u>View Diagnoses</u> <u>Previo</u>	us Residen	<u>Next</u> Resider			
eCHARTING INFORMATION FOR ADMISSION	N: 08/27	/1998						
▼ MEDICATIONS FOR 01:11 PM TO 05:11 PM	4 - 01/2	2/2008			Hold neds			
MEDICATION	TIME	PERFORMED	DOCUMENTATION	STATUS	REORDER			
ZINC SULFATE 220 MG CAP Zinc Sulfate 1 PO QD DX: PRESSURE WOUND * DO NOT CRUSH*	08:00 AM	□Yes □No	Document	LATE History	□			
NEURONTIN 300MG CAPSULE (GABAPENTIN) 2 PO TID DX: MULTIPLE SCLEROSIS (DOSE = 600 MG)	05:00 PM	□Yes □No	Document	History	Е			
ZANAFLEX 2 MG TAB Tizanidine Hydrochloride 1 PO BID DX: MUSCLE SPASMS	05:00 PM	□ Yes □ No	Document	History				
LORCET 10/650 650 MG-10 MG TAB Acetaminophen/Hydrocodone Bitartrate 1 PO Q6HR DX: PAIN	06:00 PM	□ Yes □ No	Document	UPCOMING History	п			
SMZ-TMP CONCENTRATE 80 MG/ML-16 MG/ML SOL (Sulfamethoxazole/Trimethoprim) 1 PO QID	06:00 PM	□Yes □No	Document	UPCOMING History				
ZANAFLEX 4 MGTAB (TIZANIDINE HYDROCHLORIDE) 1 PO QD PRN MUSCLE SPASMS	Shift 1	□ Yes □ No	Document	SHIFT History				
PROVIGIL 200 MG TAB (MODAFINIL) 1 PO Q AM PRN FALLING ASLEEP INAPPROPRIATELY	Shift 1	□ Yes □ No	Document	SHIFT History				
CLARITIN 10 MG TAB (Loratadine) 1 PO Q DAY PRN ALLERGIES	Shift 1	□ Yes □ No	Document	SHIFT History				
▼ PRN MEDICATIONS FOR 01/22/2008 MEDICATION	TIME	DEREGRMEN	DOCUMENTATION	STATUS	REORDER			
TYLENOL 325MG TAB (ACETAMINOPHEN) 2 PO Q4HR PRN PAIN/ TEMP (DOSE =650 MG)	PRN	Yes	Document	History				
DULCOLAX SUPP 10MG (BISACODYL) 1 P/R QD PRN CONSTIPATION	PRN	□Yes	Document	History				
LORCET 10/650 650 MG-10 MG TAB Acetaminophen/Hydrocodone Bitartrate 1 PO Q6HP PRN PAIN	PRN	□Yes	Document	History	□			
PHENERGAN 25 MG TAB (Promethazine					<u> </u>			



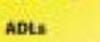


Please Enter Category



7/22/2008 1:59:06 PM

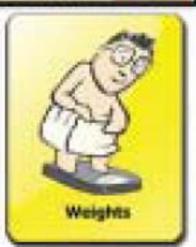






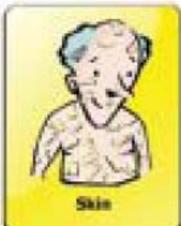






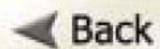


















SaaS or Installed

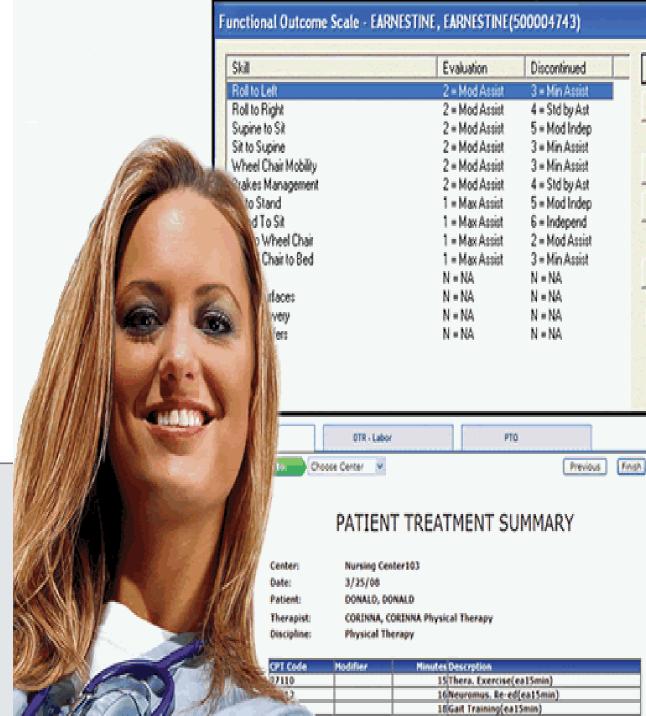
 SaaS / Rental – allows you to buy-in slowly by reducing up-front costs and risks

 Installed – allows you to phase in the modules and reduces future costs based on ownership (TCO)















Tools like this analyze millions of data records collected by your staff, and quickly spots potential issues before they become a problem. Alerts indicate residents who aren't drinking or eating, having constipation issues, losing weight too fast, consistently declining in ADL performance, and more.

Clinical Intelligence

Clinical Intelligence Dashboard

Click the buttons below for detailed Information













Today's ADL Index Key: ADL Score-# of Residents 4-3 8- 2 12-3516-11 5-0 9- 2 13-4117-9 6-6 10-2014-2618-9 7-4 11-3815-57

