

Oncology Advisory Committee

October 22nd, 2020

MEDITECH



Our Mission

The ONCAC mission is to **advance oncology informatics** throughout healthcare organizations and to **enhance safety and efficiency of oncology practices**. The ONCAC committee members will serve as subject matter experts and provide guidance, recommendations, and conceptualization on Oncology Best Practices through the use of MEDITECH software and provide feedback for the future design of the Oncology application.





Agenda

- Introductions & Project Share
- Strategy Update
- Treatment Plan Build, Validation and Maintenance Discussion
- Development Corner



Introductions & Project Share

Sandy Kerfien, *Oncology Service Supervisor*

Poll Everywhere

In order to contribute to our interactive session

1. Navigate to PollEv.com/mtdev on your device
2. Enter a screen name (first and last name) to appear with your responses
3. Keep this window open and respond to questions as they appear

Please share an accomplishment or goal from 2019/2020





Name, Organization/Platform, Location



2019/2020 Accomplishments



2021 Goals or Projects

External Members

- Gary Anderson, MN
- Dr. Tevor Bayliss, MA
- Colleen Beres, VA
- Jill Blankinship, IN
- Lauren Cox, MO
- Robbie Espejo, OH
- Alli Evert, OH
- Stacey Francis, MA
- Joo Hyun Greenwood, OH
- Amanda Gutshall, IA
- Kaiser Luebke, AR
- Wendy McIntyre, IL
- Christine Mitry, ON
- Dana Morrison, MA
- Tami Morsching, MN
- Paula Patton, AR
- Travis Reeves, IN
- Dawn Scott, ON
- Dr. Gautam Sudan, ON
- David Thompson, MA
- Joshua Vestal, KY
- Jodi Wieczorek, MN
- Suzanne Woodbury, MA



Oncology Strategy Update

Robin Pizzi, *Manager, Product Management, Oncology*
rpizzi@meditech.com

MEDITECH
EXPANSE

Oncology



Oncologists/Hematologists, It's Your Time

EHR

Clinical & Practice

OneDoc

e-Prescribing

Single Medication Profile

Infusion Chair Management

Front Office

Registration

Appointment Scheduling

Patient Registries

Expand Oncology Care

Diagnosis-specific
Flowsheets

AJCC TNM Staging

NCCN Treatment Plan
Ordering

Automatic Dose
Calculations

Comprehensive Clinical
Decision Support

Expand Patient Care and MAR

Infusion Documentation

Role-based Status Boards/Lists

Chemotherapy Administration

Pharmacy Management

Chemotherapy/Medication
Verification

Lifetime Dose Tracking

Home Screen- Oncologist/Nurse Practitioner

Robin Pizzi

Find Patient

Schedule Fri October 16, 2020 12:40p

Oct 2020	Sun	Mon	Tue	Wed	Thu	Fri	Sat	
	11	12	13	14	15	16	17	Today More
	Dr. Pizzi							Time*
9:00 am	Brooks, Mary Pre-Tx [Arrival 12:21]		06/14/1966 54 F Pizzi,Robin		Pre-Depart			00:04
9:30 am	Goran, Sylvia Pre-Tx [Arrival 09:25]		09/19/1984 36 F Pizzi,Robin		Exam			Dose-Dense AC (DOXOr...)
10:00 am	Donovan, Paul New Patient Referral [Arrival 09:55]		06/20/1964 56 M Pizzi,Robin		Intake			00:02
11:00 am	Thompson, Sally ONC MD Follow Up [Arrival 10:50]		05/30/1958 62 F Pizzi,Robin		Arrived			01:50 Dose-Dense AC (DOXOr...)
12:00 pm	Tumor Board Framingham Oncology Clinic Dr. Pizzi							
13:00		Cowan, Glenn Oncology Follow Up Visit		10/02/1955 65 M Dr. Belanger		Arrived		Docetaxel
13:30	Archer, David Oncology Follow Up Visit		04/04/1954 66 M Dr. Belanger		Arrived			CISplatin/VINorelbine
14:00	Pipitone, Patricia Oncology Follow Up Visit		04/02/1956 64 F Dr. Belanger		Booked			Dose-Dense AC (DOXOr...)
14:30	Lane, Roger New Patient		03/06/1954 66 M Dr. Belanger		Booked			CISplatin/VINorelbine
15:30	Available							

Recently Accessed

Workload

- > Consults 17 of 20
- > Orders 1 of 2
- > Results 3 of 5
- > Oncology 5 of 5
- > CC Items 4 of 4
- > Administrative 3 of 3
- > Immunizations 1 of 1

Quick Links

- [ClinicalTrials.gov](#)
- [ACCC](#)
- [ASCO](#)
- [NCCN](#)
- [Google](#)
- [MEDITECH Intranet](#)
- [MEDITECH.com](#)



Oncology Specialty Features

Chart Review- Oncology Treatment Summary Widget

[Return To](#) [Home](#) [Workload](#) ⁴⁹
[Chart](#) [Document](#) [Orders](#) [Oncology](#)
[Sign](#) [Compose](#) [More](#) [More](#) [Close](#)

[Diagnostics](#) [Provider Notes](#) [Nurse/Allied Health](#) [Medications](#)
[History & Problems](#) [Administrative](#) [Other Clinical](#)
[Summary](#) [Activity](#) [Flowsheets](#) [Health Mgmt](#)


Thompson, Sally
 62, F · 05/30/1958
 MRN# MR00103007

Summary

Personal Notes

Sally's brother is Clark Harris.

Last Assessment and Plan

Visits

Future		
Past		One Year

DATE	LOCATION/ PROVIDER	PROBLEM
10/08/2020	Atlantic Cancer Center Pizzi, Robin	Chemotherapy
09/10/2020	Framingham Oncology Clinic Pizzi, Robin	Malignant neoplasm of breast

Documents

Most Recent

Health Management

PROTOCOLS

Breast Cancer

OVERDUE ITEMS	LAST DONE	NEXT DUE
Complete Blood Count		10/16/2020
Basic Metabolic Panel		10/16/2020
Blood type		10/16/2020
Liver Ultrasound		10/16/2020
Bone Densitometry		10/16/2020

Patient Widget

My Widget

Plt Count (150-450)	207 K/mm3	09/10/2020
Hgb (14.0-18.0)	14	09/10/2020
Creatinine (0.7-1.2)	0.7 mg/dL	09/10/2020

Oncology Treatment Summary

ONC DIAGNOSIS
Breast Cancer

STAGING
C: cT1 cN0 cM0 Stage Group: IA

CLINICAL INDICATION
HER2 negative: Adjuvant

CYCLE NUMBER	LAST ADMIN
3 of 3	Oct 8

CYCLE DAY	NEXT ADMIN
9 of 14	

TREATMENT PLAN
Dose-Dense AC (DOXOrubicin/Cyclophosphamide) followed by PAclitaxel

CHEMOTHERAPY
DOXOrubicin hcl (Adriamycin) 111 mg (60 mg/m²)
cyclophosphamide (Cytoxan) 1,110 mg (600 mg/m²)

Lab Results Last Value

Most Recent

Arrived

REG AMB,
FRAMCLIN

Visit Date: 09/10/2020

Full Code

Search Chart

Oncology Treatment Summary

ONC Diagnosis
Breast Cancer

Staging
C: cT1 cN0 cM0 Stage Group: IA

Clinical Indication
HER2 negative: Adjuvant

Cycle Number	Last Admin
3 of 3	Oct 8

Cycle Day	Next Admin
9 of 14	

Treatment Plan
Dose-Dense AC
(DOXOrubicin/Cyclophosphamide)
followed by PAclitaxel

Chemotherapy
DOXOrubicin hcl (Adriamycin)
111 mg (60 mg/m²)
cyclophosphamide (Cytoxan)
1,110 mg (600 mg/m²)

Oncology Widget in Documentation

Return To Home Workload 45 Chart Document Orders Oncology Sign Compose More More Close

Dr. Pizzi's Oncology Follow Up

SAVE DRAFT SIGN

Refresh Profile Icon

Author: Robin Pizzi Last Saved at 10/16/2020 9:31 am

Intake PFSH HPI Review of Systems Exam Quality Reporting **Onc TX** Assessment & Plan Coding Departure

Thompson, Sally
62, F - 05/30/1958
MRN# MR00103007

← **Oncology Treatment** ...

▼ **Oncology Treatment** ...

Line of Therapy
Click to Enter Line of Therapy

Treatment Plan
Dose-Dense AC (DOXOrubicin/Cyclophosphamide) followed by PACLitaxel

Clinical Indication
HER2 negative: Adjuvant

Cycle Number 3 of 3 *Last Admin* Oct 8

Cycle Day 9 of 14 *Next Admin*

Chemotherapy

	<i>Admin Day(s)</i>
DOXOrubicin hcl (Adriamycin) 111 mg (60 mg/m ²)	1
cyclophosphamide (Cytoxan) 1,110 mg (600 mg/m ²)	1

Treatment Notes
Click to Enter Treatment Notes

Arrived REG AMB, FRAMCLIN
Visit Date: 09/10/2020
Full Code

Search Chart

▼ **Oncology Treatment Summary**

ONC Diagnosis
Breast Cancer

Staging
C: cT1 cN0 cM0 Stage Group: IA

Clinical Indication
HER2 negative: Adjuvant

Cycle Number 3 of 3 *Last Admin* Oct 8
Cycle Day 9 of 14 *Next Admin*

Treatment Plan
Dose-Dense AC (DOXOrubicin/Cyclophosphamide) followed by PACLitaxel

Chemotherapy
DOXOrubicin hcl (Adriamycin) 111 mg (60 mg/m²)
cyclophosphamide (Cytoxan) 1,110 mg (600 mg/m²)

Pharmacies

Vitals

Mr. Widget

Cancer Staging

Breast Staging Form

Thompson, Sally 62 F 05/30/1958 Allergy/Adv: No Known Drug Allergies Cancel Save

Type	T Category	N Category	M Category	Grade	HER2 Status	ER Status	PR Status	Oncotype D...	Stage
Clinical	cT1	cN0	cM0	G2	Negative	Positive	Positive		IA
Pathological									

- > Clinical TNM
- > Pathological TNM
- > Prognostic Factors
- > Additional Factors
- > Anatomy

Survivorship

Return To Home Workload 45

Chart Document Orders Oncology

Sign Compose More More Close

Diagnostics Provider Notes Nurse/Allied Health Medications

Oncology Treatment Summary

Adams, Virginia 66 F 12/22/1953 Allergy/Adv: No Known Drug Allergies

Oncology Survivorship Care Plan
09/14/2020 12:04

1 of 2 Automatic Zoom

Patient: Virginia Adams Page 2 of 2

Details	
	cyclophosphamide (Cytoxan) 120 mg/m2
	DOXOrubicin hcl (Adriamycin) 60 mg/m2

Follow-Up Care:

Follow-Up Visits:

Oncology Follow Up Appointments 3 Months

Test	Frequency
Bone Densitometry	6M
Breast cancer risk questionnaire	
Complete Blood Count	1W
Depression Screening	PRN
Liver Ultrasound	2M
Mammogram	6M

Additional Notes:

Regularly see a dentist to monitor gum disease.

Finalized by Robin Pizzi at 09/14/2020, 12:04

Lab Results Last Value Most Recent My Widget



Schedule Management

	ONC Chair 1 [5] 4%	ONC Chair 2 [3] 1%	ONC Chair 3 [3] 2%	ONC Chair 4 [2] 2%	ONC Chair 5 (11/2) [3] 2%
07:00	<p>Bollinger, Marty 67 M 08/17/1953 Chemo 2 Hr 781-293-2832</p>	<p>Raynes, Kevin 59 M 04/15/1961 Chemo 1hr 781-382-2437</p>	<p>Kolasinski, John K 60 M 03/24/1960 Chemo 1hr 781-238-2384</p>	<p>Egan, June Anne 53 F 02/16/1967 Chemo 2 Hr 781-482-2472</p>	<p>Burr, Eleanor P 59 F 11/23/1960 Chemo 1hr Godbout, Scott</p>
30	<p>Belanger, Marc Booked Booked</p>	<p>Booked Booked</p>	<p>Godbout, Scott Booked Booked</p>	<p>Godbout, Scott Booked Booked</p>	<p>Booked Booked</p>
08:00			<p>Fleuhr, Ashley 55 F 10/02/1965 Chemo 2 Hr</p>		<p>Billings, Wanda 65 F 03/15/1955 Chemo 1hr 781-558-3933</p>
30		<p>Dauksevics, Dawn J 39 F 02/13/1981 Chemo 1hr 617-384-8232</p>	<p>Schweihofer, Renee Booked Booked</p>		<p>Belanger, Marc Booked Booked</p>
09:00	<p>Ramos, Frederico A 31 M 11/22/1988 Chemo 1hr 781-382-2382</p>	<p>Godbout, Scott Booked Booked</p>		<p>Lilley, Barry T 65 F 03/18/1955 Chemo 2 Hr 781-482-2385</p>	<p>Anctil, Adam 53 M 03/17/1967 Chemo 3 Hr 781-283-5834</p>
30	<p>Godbout, Scott Booked Booked</p>	<p>Lescault, Susanne 52 F 10/19/1967 Chemo 2 Hr 781-447-0333</p>		<p>Godbout, Scott Booked Booked mFOLFOX-6</p>	<p>Godbout, Scott Booked Booked</p>
10:00	<p>Jacobucci, Larry R 70 M 12/13/1949 Chemo 1hr 508-282-2392</p>	<p>Schweihofer, Renee Booked Booked</p>			

A photograph of a medical professional, likely a doctor or nurse, wearing teal scrubs and a stethoscope. They are holding a smartphone in their hand. The background is a blurred hospital room with a patient lying on a gurney and a surgical light fixture hanging from the ceiling. An orange banner is overlaid across the middle of the image, containing the text "Radiation Oncology Discussion".

Radiation Oncology Discussion

Which MEDITECH EHR features do your Radiation Oncologists use?

Top

- | ◦ | Oncology Flowsheet
- | ◦ | Ordering
- | ◦ | Nursing Documentation
- | ◦ | Physician Documentation
- | ◦ | Chart
- | ◦ | Billing



A healthcare professional, likely a nurse or doctor, is shown from the chest up, wearing teal scrubs and a stethoscope. They are holding a dark-colored tablet computer with both hands, looking at the screen. The background is a blurred clinical setting.

Treatment Plan Build, Validation, and Maintenance Discussion

Open Forum:

Presented by - Michael Ricardi, Supervisor, Oncology Implementation

Treatment Plan Build/Validation/Maintenance

- [MEDITECH Treatment Plan Standard Content](#)
 - [Style Guide](#)
- Guidelines followed by organizations
- Treatment Plan build and validation processes
- Maintenance:
 - Dictionary
 - Patients on treatment



Development Corner

Nate Mettill, Manager, Oncology Development

A photograph of medical professionals in a clinical setting, with one person pointing at a tablet held by another. The image is overlaid with a teal gradient.

Oncology Development Roadmap

Complete

- Clinical Home Screen
- Oncology Chart and Documentation Widget for Tx Plan
- AMB Scheduling Grid
- Survivorship
- TNM Staging v8
- Staging integration with Documentation

In Process

- Patient Care Home Screen (Infusions)
- UI refresh for Chemotherapy Ordering and Management
- Inpatient Chemo Administration improvements

Upcoming

- AMB Registry Integration
- 21st Century Cures interoperability advancements
- Staging integration with PTH
- Departure in Web (Pt Calendar)
- Expanse Patient Care Development involvement

Determining

- Pharmacy/ Oncology workflow improvements
- Oral Chemo improvements
- Genomics Integration and Decision Support (Genomics)
- PoC w/ ONC
- Regimen Ordering
- QOPI measures
- mCODE

Oncology Nurse Home Screen

- Integrated with Expanse Patient Care
 - Moved to the Web
 - Leverages existing tools for Expanse Patient Care status boards, and can take advantage of already-existing data items for Expanse Patient Care (ex. New Results indicator, New Order indicator, etc.)

Oncology Nurse Home Screen- Integrated with Expense Patient Care

Robin Pizzi TECH General Hospital Find Patient

Onc Appts 16 Ordered 67 Draft 107 No Start Date 46

Treatment Plan Ordering Orders Panel Chemotherapy Review Hand Off Add To My List Replace My List

← Sep 10, 2020 →


✓	Name	↑ Time	Appointment Multiple Appts	Status	Provider Nurse	Care Area	Appt Comment
>	05/16/1980						
<input type="checkbox"/>	Anctil,Rhonda P 69 F 11/22/1950	09:00	Chemo 1 hr	Ready for Scheduling	Godbout,Scott Ryan,Nicole		
<input type="checkbox"/>	Kaze,Toph 35 F 07/18/1985	09:00	Chemo 2 Hr	Ready for Scheduling	Gutknecht,Jenny Zholudok,Andrey		
<input type="checkbox"/>	Brooks,Mary 54 F 06/14/1966	09:00	Chemo 2 Hr	Ready for Scheduling	Pizzi,Robin Anderson,Anne		
<input type="checkbox"/>	Cashman,Eleanor 76 F 11/22/1943	10:00	Chemo 2 Hr	Treatment in Progress	Godbout,Scott Ryan,Nicole	Chair 1	
<input type="checkbox"/>	Adams,Virginia 66 F 12/22/1953	10:00	Chemo 2 Hr	Treatment in Progress	Pizzi,Robin Chase,Donna	Chair 5	
<input type="checkbox"/>	HORTON,KYLE 29 M 10/21/1990	10:00	Chemo 1 hr	Chemo Ready	HELLE HAMNES,KARIN Moore,Kelly		
<input checked="" type="checkbox"/>	Goran,Sylvia 35 F 09/19/1984	10:30	Chemo 2 Hr	Treatment in Progress	Pizzi,Robin Bourke,Paul	Chair 3	Patients daughter Julie will be picking mother up at 3pm. Please call cell if there are any issues at 617-555-1234.
<p>Patient Problem(s) Malignant neoplasm of right female breast</p> <p>Last ED Visit</p> <p>Last Hospitalization</p>							
<input type="checkbox"/>	Weston,Charles 63 M 12/22/1956	11:00	Chemo 3 hr	Waiting for RN	Pizzi,Robin Zholudok,Andrey		
<input type="checkbox"/>	Gumble,Jay 68 M 07/14/1952	16:00	Chemo 1 hr	Booked	Gutknecht,Jenny		

Updated Treatment Plan Management Screens

- Improved User Interface for Treatment Plan Ordering and Management
 - Changed icons to buttons, larger click/tap targets
 - Footer buttons on the top
 - Better grouping and labeling of action buttons
 - Improved navigation via the black menu bar

Treatment Plan Management - Updated UI

E Return To Chart Oncology More Close


Thompson, Sally 62 F 05/30/1958 REG RCR ATLANTIC
 5ft 9in 155lb BSA:1.85m² BMI:22.9kg/m² Allergy/Adv: No Known Drug Allergies
MG0000044045 MR00103007 D45643777

Show Can/DC
Transition Orders
Recalculate Orders
Edit Orders
DC Orders
Move Orders
Hold Orders
Resume Orders
Move Cycle
Hold Cycle
Resume Cycle
Stop Plan/Cycle
MT Tools

	09/24/2020 Thu	10/08/2020 Thu
<div style="display: flex; justify-content: space-between;"> Navigation icons 09/24/2020 Thu 10/08/2020 Thu </div>		
Breast Cancer HER2 negative: Adjuvant Dose-Dense AC (DOXOrubicin/Cyclophosphamide) followed by PACLitaxel Dx/TNM T P I		
Chemo Edit Seq Add More	C 2 Day 1	C 3 Day 1
Hydration Dextran/Sodium Chloride		
	50 ml IV	50 ml IV
If Clinically Indicated Dexamethasone		
	12 mg PO	12 mg PO
Chemotherapy cyclophosphamide (Cytoxan)		
	1,110 mg IV 600 mg/m ²	1,110 mg IV 600 mg/m ²
	DOXOrubicin hcl (Adriamycin)	
	111 mg IV 60 mg/m ²	111 mg IV 60 mg/m ²

Inpatient Oncology Ordering Changes

- Leveraging the already-existing Acute Orders Hold Queue to facilitate inpatient oncology orders within treatment plans
 - Will allow for things like: scheduled times for administration, multiple doses per Rx (rather than 1 Rx per admin day), and a consistent display on the MAR for nurses working on a shared floor

Oncology Inpatient Ordering Improvements

Provider Desktop - ONC Clinic: ATLANTIC (DEV21.US) - Leach, Elizabeth [EDT]

Adams, Anthony J

12 M 02/22/2008

ADM IN 3N 3N11-7

Code Status Not Ordered No Hx Avail

4ft 10in 88lb BSA:1.29m² BMI:18.4kg/m²

Allergy/Adv: No Known Drug Allergies

MG0000051860

MR00017347

D111115601

Current Orders Transfer Orders **Hold Queue** History

<input type="checkbox"/>	Hold Queue Events	Category	Ordering Provider	Start	Stop
<input type="checkbox"/>	Interim Maintenance with HD Methotrexate Cycle 5 (Oncology)				10/22/2020
<input type="checkbox"/>	Pre-hydration				
<input checked="" type="checkbox"/>	Methotrexate Pre-Hydration Sodium Chloride 0.45 % [Sodium Chloride] 1,632 ml IVP 125 ml/m ² /hr	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Pre-medication				
<input type="checkbox"/>	Dexamethasone Sod Phosphate [dexAMETHasone sodium phospho... 4 mg IJ AS DIRECTED	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Ondansetron HCl/Pf [Ondansetron HCl 4 mg/2 ml Syr] 4 mg IJ ONCE1	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Palonosetron HCl [Aloxi] 0.25 mg IV AS DIRECTED	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Chemotherapy (Provider Activation Required)				
<input type="checkbox"/>	Mercaptopurine 25 mg PO ONCE1	Med	Leach, Elizabeth, MD	Upon Activate	
<input checked="" type="checkbox"/>	Methotrexate Sodium 0.9 % Sodium Chloride [Sodium Chloride] 200 mls IJ 300 ml/hr	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	vinCRISTine (Oncovin) Sodium Chloride 0.45 % [Sodium Chloride] 25 mls Vincristine Sulfate 1.9 mg IV 999 ml/hr	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Rescue Medications				
<input type="checkbox"/>	Leucovorin Calcium 19.2 mg IJ Q6H	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Post-medication				
<input type="checkbox"/>	Promethazine HCl 12 mg IJ Q6H PRN PRN Reason: Nausea/Vomiting - Rank #1	Med	Leach, Elizabeth, MD	Upon Activate	
<input type="checkbox"/>	Diagnostics				
<input type="checkbox"/>	Urinalysis [URIN] Routine	Lab	Leach, Elizabeth, MD	Upon Activate	

Msg/Task

Lists
Status Board
Find Patient

Snapshot
Pat Msg/Task
Flowsheet
Clinical Data
Calendar
Picture

Problem/Dx.
Treatment Plan
Orders Panel
Review
Outside Info

Open Chart
Close Chart
Document
Scanning

Orders

Amb Orders
Departure

Phone
Reports/Library
Sign
Preferences

Create New Event

Edit

Delete

Activate

Future Activate



Development Corner: Upcoming Research

- Genomics
 - Designer: Pati Hibbard - phibbard@meditech.com
- Oncology Pharmacist workflows
 - Designer: Michelle Spurr - mspurr@meditech.com
- Chemotherapy (Regimen) Ordering
 - Including a Medication Timeline view for viewing historical, current, and future medications
 - Designer: Heidi Sokoloski - hsokoloski@meditech.com

General Oncology Development contacts:

Nate Mettille
Manager Development, Oncology
nmettille@meditech.com

Michelle Nabors
Supervisor Development, Oncology
mnabors@meditech.com

Rank the following future initiatives in the order of priority for your organization

Oral Chemotherapy improvements

Pharmacy/Oncology Integration

Genomics Clinical Decision Support

Integration with Radiation Oncology Vendors

mCode (Minimal Common Oncology Data Elements)

Home Infusions

QOPI Measure Support

PoC integration with Oncology

Oncology data integration with BCA

Integration with Clinical Trial Management Systems



Questions?

Next ONCAC meeting
February 2021





Thank You!

MEDITECH