

Get With The Guidelines Best Practices: A look at reducing 30-day heart failure readmission rates

Thank you for joining the webinar! The presentation will begin shortly.

*Please make sure your computer is not on mute and your speaker volume is turned up.



Heart.org/QualityHF





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Walnut Creek and Concord, California

June 4, 2015

Heart.org/QualityHF



HEART FAILURE BY THE NUMBERS



100000

EACH YEAR³

OVER 1 MILLION HEART FAILURE ADMISSIONS



5.1 MILLION PEOPLE IN THE U.S. SUFFER FROM HEART FAILURE²

CURRENT APPROACHES

PHYSICIANS TYPICALLY MANAGE HEART FAILURE BY MONITORING SYMPTOMS SUCH AS BODY WEIGHT AND BLOOD PRESSURE USING A TELEHEALTH SCALE

EVEN WITH DAILY SELF-MONITORING⁵

25% OF HEART FAILURE PATIENTS ARE READMITTED TO THE HOSPITAL WITHIN 30 DAYS

50% OF HEART FAILURE PATIENTS ARE READMITTED TO THE HOSPITAL WITHIN 5 MONTHS



Factors Associated with HF Readmissions



- Sociodemographic Factors
 - Age
 - Sex
 - Race
 - Living Status
 - Insurance
 - Income
- Comorbid Conditions
 - Diabetes Mellitus
 - Hypertension
 - COPD
 - Coronary Artery Disease
 - Cerebrovascular Disease
 - Atrial Fibrillation
 - Chronic Kidney Disease

- Markers of HF Severity
 - Heart Rate
 - Blood Pressure
 - QRS duration
 - LVEF
 - NYHA Functional Class
 - Previous HF hospitalization
 - Intolerance of Standard HF therapy
- Serum Markers
 - Blood Urea Nitrogen (BUN)
 - Creatinine/eGFR
 - Sodium
 - Hemoglobin/Hematocrit
 - B-type Natriuretic Peptide
 - Troponin



 Approximately ½ due to Cardiovascular Reasons

	Cardiova	ascular	Non- Cardiovascular	Total Readmissions
	Heart Failure	Other CV		
N	713	936	2679	4328
(%)	(16.5%)	(21.6%)	(61.9%)	

Data reflects 1077 incident HF cases 1987-2006 in Olmsted County, MN

Mortality After HF Hospitalization



Time since admission

American Heart

life is why:

GUIDELINES

National Risk-Adjusted 30 Day HF Readmission Rate



Average: 24.7%

Joynt K, Jha A. Circ Cardiovasc Qual Outcomes 2011; 4: 53-59.

American

life is why:

Heart

GET WITH THE

GUIDELINES

Variation in Readmission Rates







Predischarge Intervention	Postdischarge Intervention
Patient education	Timely follow-up
Discharge planning	Timely PCP communication
Medication reconciliation	Follow-up telephone call
Appointment scheduled before discharge	Patient hotline
	Home visit
Intervention Bridg	ing the Transition
Transitio	on coach
Patient-centered dis	scharge instructions
Provider	continuity

Traditional Model For Out Patient HF Care







Hospital

New Model For Out Patient HF Care







- Multidisciplinary Disease Management
 - Components
 - Pre-discharge Education to enhance self-care
 - Nurse-led coordination of care and post-discharge surveillance
 - Access to providers with specialty expertise in heart failure

– Estimated Impact

- 25% reduction in overall mortality
- 26% reduction in HF (re)hospitalization
- 19% reduction in overall hospitalization
- Generally cost-saving or cost-neutral
- Greatest Impact in the early post-discharge period

Not a clinic where pts are seen for a visit We don't bill pts A different MD doesn't see the pt –so no interference An "RN Navigator" follows pt through transition of care Pts can get access to Home health etc "RN Navigator" interacts with pt + Primary Cardiologists Visits to ER can be often aborted We provide scales to patients

Current CMS John Muir Readmissions for HF



Rate of unplanned readmission for heart failure patients

Why is this important?

Hide Graph



U.S. national rate of unplanned readmission for heart failure patients = 23.0%



Death rate for heart failure patients

Why is this important?

Hide Graph



U.S. national death rate for heart failure patients = 11.7%

 Models for predicting readmission may have limited utility beyond triage in clinical practice

Conclusions

- Durable impact on preventing heart failure readmissions requires a focus beyond 30 days
- No single intervention is likely to be universally effective
- Different approaches may be necessary to manage different phases of illness
- Noncardiovascular comorbidities, adherence, and social/environmental factors must be addressed in tandem with heart failure management
- Alternatives to the ED for ambulatory triage and intervention are essential



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UC Irvine Health Readmissions Reduction Project Heart Failure Program June 4th, 2015 Nathalie De Michelis, RN BSN Cardiovascular Program Manager

American Heart Associatio





UC Irvine Health Quality Initiatives



Cardiovascular & Readmission Task force Teams

• Both → Multidisciplinary group meeting monthly

Multiple National & State Quality Initiatives

- American Heart Association (AHA) -HF Gold Plus achievement award-last 4yrs
- American College of Cardiology (ACC)
- The Joint Commission HF Disease Specific certification since 2008
- DSRIP Projects
 - Improvement of Primary Care in HF Disease management
 - Identification of HF High risk population
 - HF Coach Program (Phone & in person health coaches)
- **Community Education & Outreach**

Research





UCI HF Readmission <u>Related</u> Cause only ≥18 y/o, all insurance type – TJC HF DSC measure



UCI HF Readmission <u>All</u> Cause only ≥18 y/o, all insurance type – CMS measure





Readmissions Reduction Project Discharged on GDMT



Ensure GDMT HF Inpatient measures-AHA-GWTG & TJC HF DSC





HF Inpatient measures AHA-GWTG & TJC HF DSC





HF Inpatient measures AHA-GWTG & TJC HF DSC





Discharge Note – Quality Measures

Heart Failure (HF) / AMI

	Does the patient have Acute Decompensated Heart Failure, Chronic Stable Heart Failure or ACS/AMI:	 acute decomper AMI and Heart F 	nsated hear failure Tailure 🔿 neithe	○ chronic stable heart failure er	• ACS/AME.
	Was the patient given aspiration within first 24 hours:	- yes	0.1011		
Memory	Was the patient discharged with an ACEI or ARB:	() yes	○ no		
Aids	Was the patient's LVSF assessed within the last year?	🔾 yes	⊖ no		
&	Was the patient discharged with a Beta- Blocker?	⊖ yes	⊖ no		
Last chance	Was the patient discharged with a lipid lowering agent?	⊖ yes	○ no		
	Was the patient discharged with aspirin?	() yes	○ no		
AIVII & HF Quality	Was the patient referred to an outpatient cardiac rehabilitation program?) yes	○ no		
Measures	Was the patient newly diagnosed with diabetes mellitus?	⊖ yes	() no	O not documented (ND)	
	Was the patient discharged w/SARA (Aldosterone Antagonist)?	⊖yes	○ no		
	Is this a STEMI or New LBBB?	🔾 yes	⊙ no		
	Non-STEMI	old LBB		other	

Memory Aids

University of California • Irvine Healthcare

			Heart F	allure Discharge Check list
On admission	Given		Teach Back	Comment
Patient guide to HF Hospital Care				Available in English & Spanish
While in the hospital	Given/Vie	wed		Comment
HF Zone				Available in English & Spanish
HF Caring for your heart Booklet				Available in English & Spanish
CCTV Heart failure Video				Available in English & Spanish
Documented on the Teaching Plan		5		
At Discharge	Given	N/A	Teach Back	Comment
Cardiac Discharge Education form	Given			Available in English & Spanish
→Signed and placed in Chart	Signed∈ chart			
Discharge Instruction document	Given			
→Signed and placed in Chart	Signed&In chart			
Written Discharge Instruction has:	Yes	N/A	Teach Back	Comment
Diet instruction (Low salt)				
Activity instruction				
Daily weigh monitoring instruction				
Symptom management				
Smoking cessation counseling				Counseling needed if smoking Hx
	_		_	within the last 12 months
Follow-up appointment with PCP				Time, date & location needed for f/u
Follow-up appointment with HF clinic				Provided to all Acute HF pts
Remind patient to attend appointments				*Inform CM if no f/u appointment made
Medication on Discharge Instruction	Yes	N/A	Contraindicat	ion documented by MD or PharmD
ACEI or ARB ordered at Discharge if EF				Dilates blood vessels allowing the heart to
<40%			*Inform MD If	pump easier. Directly improve heart function & survival and inhibit, reverse "remodeling"
Beta Blocker ordered at Discharge if FF		┼┍┑╴	net octamente	Inhibit, reverse "remodeling" and inhibit,
<40%			*Inform MD If	decrease the release of stress hormones.
			not documented	Decrease work of heart, slow the heart rate,
				survival
Aldosterone blocker at Discharge if EF				Improve survival
<40% & mod-sev symptoms of HF, HF post MI	-		*Inform MD If	
with monitoring of Renal function & Potassium			not occumented	
Anticoagulation for Atrial Fibrillation			*Inform MD If not documented	
Reinforce importance of medications, to			teach back	
take as prescribed and to makes sure to		1		
not run out				
(This form is	not part of	the m	edical record	
DO) NOT	co	PY	
HF Program 06/26/2012 rev 08/01/12				

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Readmissions Reduction Project Risk Stratification



Risk Stratification Using Modified LACE Tool

- Why was it chosen?
 - Validated tool, predictive of readmissions with patient

Length of Stav	y iess iesouicess _{1 day}	0			
,	1 day	1			
	2 days	2			
	3 days	3			
	4-6 days	4			
	7-13 days	5			
	14 or more days	6			
-					
Acute	Inpatient	3			
admission	Observation	0			
Comorbidity:	No prior history	0			
-	DM no complications, Cerebrovascular disease, Hx of MI, PVD, PUD,	1			
(Comorbidity points	Mild liver disease, DM with end organ damage, CHF, COPD, Cancer,	2			
are cumulative to	Leukemia, lymphoma, any tumor, cancer, moderate to severe renal dz	-			
points)	Dementia or connective tissue disease	3			
. ,	Moderate or severe liver disease or HIV infection	4			
	Metastatic cancer	6			
_	0 vielte	0			
Emergency	U VISITS	0			
Room visits	1 visits	1			
during previous	2 VISITS	2			
6 months	3 VISITS	3			
	4 or more visits	4			



LACE Score	Total	Readmit < 30 N	lo Readmit < 30	% Readmit	% No Readmit			ΙΔΟ	- Validation
3	132	2 18	114	13.64%	86.36%			LACI	
_4	980) 31	949	3.16%	96.84%				
5	2799	9 61	2738	2.18%	97.82%		LACE 58 Deadmit + 201 575		
6	2401	L 100	2301	4.16%	95.84%		Reaumit < 30. 575		
7	2361	L 150	2211	6.35%	93.65%		reicentage. J.JU /0		$\frac{\textbf{LACE } \geq 11}{\text{Poodmit} < 20: 1354}$
8	2356	5 215	2141	9.13%	90.87%	J			Reduiting < 50.1334
9	2340) 248	2092	10.60%	<mark>89.40%</mark>]	LACE 9-11		Percentage. o.10%
10	1799	218	1581	12.12%	<mark>87.88%</mark>	\succ	Readmit < 30: 779		
11	1646	5 313	1333	19.02%	80.98%	J	Percentage: 15.56%		
12	1122	2 268	854	23.89%	76.11%				
13	899	9 251	648	27.92%	72.08%		LACE 12-13 Poodmit < 30: 862		
14	716	5 213	503	29.75%	70.25%	[Percentage: 37 12%		
15	447	7 130	317	29.08%	70.92%	Į			LACE > 11
16	264	1 85	179	32.20%	67.80%				Readmit < 30: 1175
17	300) 121	179	40.33%	59.67%		$\frac{LACE \geq 10}{Readmit < 30.313}$		Percentage: 41.26%
18	211	L 82	129	38.86%	61.14%		Percentage: 59.51%		
19	64	1 25	39	39.06%	60.94%		1 010011ago. 00.0170		
Grand Total	20837	2529	18308	12.14%	87.86%				



UC Irvine Health

LACE score in Allscripts EMR

Allscr	ipts Gateway	My Applications Ambulatory							
1y Applic	ations ┣ Amb	oulatory 🕨 Patient List							
<u>F</u> ile <u>R</u> eg	istration <u>V</u> iew	<u>G</u> oTo <u>A</u> ctions Pr <u>e</u> ferences <u>T</u> oo	ls						
					P P 📥 🍣	815 N 20	💱 🏋 🤔 🔘 🥭 💐.	HELP	
Ċ	No patient	t visit selected.							
Patier	nt List Orde	ers Results Patient Info	Document	s Flo	owsheets BDI Cli	inical Summary Clin Detai	I Handoff Dx Views TDS Se	chedule Arri	ived Pts eCha
Inbo					🧶 👧 🔊				
Curre		Primary Patients	- L .79	-	Select All P	atients 13 Visit(s	Save Selected Patients		
The s						(A .1	DI
New	LACE	Patient Name	Gender	Age	ID / Visit Number	Location	Visit Reason	Date	Discharge
\times	10		Male	79y		CCU2 7231-01 Coronary	ATRIAL FIBRILLATION CHF	03-15-2015	
\mathbf{X}	9		Female	67y		DH48 4832-01 Medical/	LOW GRADE SQUAMOS INTRAPITHEL	02-27-2015	
X	10		Male	52y		DH78 7832-01 Medical T	CHF	03-12-2015	
\times	9		Male	68y		MCU2 7430-01 Medical I	NON STEMI	03-15-2015	
X	12 H		Male	87y		MCU2 7431-01 Medical I	FOREHEAD HEMATOMA ON COUMA	03-02-2015	
\times	14 H		Male	39y		SCU4 6432-01 Surgical I	NEW ONSET HEART FAILURE	03-09-2015	
X	8		Male	52y		T3BD02 Telemetry-Med/	HEART FAILURE OF UNKNOWN ETIOL	03-17-2015	
	13 H		Male	85y		T4BD-27 Medicine	ACUTE ALTERED MENTAL STATUS AC	03-01-2015	
	15 H		Female	64y		T5BD-04 Medical Telem	HYPOXIA SHORTNES OF BREATH VEN	03-09-2015	
	11 H		Male	84y		T5BD-06 Medical Telem	ACUTE RENAL INSUFFICIENCY NAUSE	03-15-2015	
			Male	53y		T5BD-10 Medical Telem	CHEST PAIN	03-17-2015	
\times	10		Male	58y		T5BD-22 Medical Telem	CONGESTIVE HEART FAILURE	03-13-2015	
			Male	114y		zTDS		01-01-1901	



LACE & CM Notes

• LACE Score displayed in the CM's note

CM initiates recommendations

LACE Score	12 H	
Recent Hospitalizations (Within Last 6 Months)	G yes C no	
High Risk For Readmission	© yes C no	
Indicators	□ over age 70 □ multiple diagnoses and comorbidities □ greater than 5 complex medications □ impaired mobility	
	🗖 impaired self-care skills 🔲 poor cognitive status 🔲 catastrophic injury or illness 🔲 homelessness 🔲 poor social support	
	🗖 chronic illness 🛛 🗍 anticipated long term health care needs (e.g. new diabetic, CHF, Stroke, 🔲 substance abuse	
	☐ history of multiple hospital admissions ☐ history of multiple emergent care use	
High Risk Actions	If yes for high risk to readmit, patient should have a targeted comprehensive assessment completed and link to appropriate resources, Clinical Social Work, and/or clinics.	*
		T
Readmission Comments		~
		$\overline{\nabla}$
Recommendations To Physic	ian	
Recommendations		-
		-
Our Intervention on a score >=11.

					Unit
Intervention	MD	СМ	CSW	RN	PharmD
CSW auto consultation			complete		
Home Health Referral (disease management,					
med rec and safety eval)	order	request	request		
Follow up appt with PCP and/or HF clinic					
within 7 days prior to D/C	order	request			
Obtain letter of medical necessity for					
unfunded & funded patients	write	process			
Referral to Med Safety Clinic for patients					
with greater than 10 scheduled medications	order	request			request
Make follow-up call to patient within 72					
hours of discharge: check on meds, appt,				complete	
Patient Education - disease specific				complete	
Review Discharge meds	order			review	complete



UC Irvine Health Readmission Interventions Current Interventions for all

- Observation status
- Discharge planning day of admission
- M-F daily discharge huddle
- Dietary Consult based on trigger
- HF NP for consultation & HF education
- Handoff to primary care provider
- 72 Hours follow-up call for HF, AMI & PNA patients
- Open access of Primary care and HF clinics
- IV Lasix available in the HF clinic
- HF-Palliative follow-up clinic for eligible patients
- Opening of a Cardiac Rehab













Difference between pre & 30 day post visit Phone-coach call





What is Coached Care?

- Work with patients
 - In person in the clinic
 - Over the telephone
 - Before and after the medical visit
- Make the most of the medical visit
 - Set & understand "targets"
 - Know their "status"
 - Identify & prioritize barriers
 - Bring "good" questions for the doctor into the medical visit
- Develop self-management skills for their chronic disease
 - Turn the answers to those questions into specific concrete goals
 - Follow through to accomplish those concrete goals





Readmissions Reduction Project

Heart Failure-Palliative Program



Heart Failure Palliative Care Program Evaluation Process









Readmissions Reduction Project New tool-Heart Failure-ST2



ST2 2013 ACCF/AHA Guideline for the Management of HF

As a biomarker of myocardial fibrosis, soluble ST2 is not only predictive of hospitalization and death in patients with HF but also additive to natriuretic peptide levels in their prognostic value. Strategies that combine multiple biomarkers may ultimately prove beneficial in guiding HF therapy in the future.



Biomarker : "ST2, Serum"

- Now available at UCI
 - Low risk \leq 35 ng/ml
 - High risk > 35 ng/ml
- In order sets:
 - Stand-alone
 - ED Common
 - HF Admit
 - Afib Admit
 - AMI Admit
 - CCU Admit



How is it being implemented here?

- For Acute HF admission:
 - ST2 on admission
 - and 48 hours after 1st draw
- Management in the out-patient clinic
 - Baseline ST2
 - If <35 repeat with acute HF symptom
 - If <35 repeat within 6-12 months
 - If >= 35 Repeat 2-3 weeks after change in QDMT



ST2 Could Drive Resource Allocation



PA Pressure monitoring (CardioMEMs)

UC Irvine Health first in Orange County to use remote heart failure monitoring system

Implanted CardioMEMS sensor helps reduce heart failure-related hospital readmissions

February 10, 2015

UC Invine Health is the first medical center in Orange County to offer heart failure patients a wireless system that allows cardiologists to remotely monitor their pulmonary artery pressure and heart rate measurements.

Real-time access to this data enables doctors to proactively manage a patient's condition, helping to reduce the rate of hospital readmission related to heart failure, the leading cause of hospitalization among adults 65 and older in the U.S., according to the American College of Cardiologists.

Heart failure refers to the progressive



Dr. Pranav Patel, UC Irvine Health

weakening of the heart muscle until it no longer pumps enough blood to meet the body's needs. Advances in treatment allow more patients to survive hospitalization for heart failure, but more than 50 percent of them experience a new onset of symptoms and end up being readmitted within six months. Cardiologists hope the CardioMENS Heart Failure System will help break this cycle.

Dr. Pranav Patel, chief of the UC Irvine Health Division of Cardiology, implanted the sensor in an 84-year-old male patient on Feb. 6.

"This technology will help change the way we manage heart failure patients," said Patel. "Once the patient returns home, they must pay careful attention to changes in weight, ankle or abdominal swelling and shortness of breath. CardioMEMS monitors their heart rate and artery pressure daily, and transmits that information to a secure database at the benchmark of the return a burging or a sure. We can identify any warding simplify before the orginate the benchmark of the return of the sure o





UC Irvine Health Readmission Interventions Future Intervention

- Lacier LACE score with Dx algorithm and age
- Standardized approach (cross-training)
- Enhance PM discharge huddles
- Increase collaboration of multidisciplinary team
- Improve discharge instructions for social aspects
- Increase referrals to medication safety clinics
- Increase use of novel approach (PA pressure monitoring & ST2)
- Expand on ED Transitions of Care
 - CM and SW screening in ED
- Creation of a inpatient transition of care team
- Opening of a transition of Care Clinic



THANK YOU





Reducing Heart Failure Readmissions Preparing for the Patient's Discharge from the Hospital

> Drew Baldwin, MD Kavita Malling, MHA

> > June 4, 2015



Patient Story

Today's Presentation Covers:

1. Measuring & Improving Processes

2. Focusing on One Metric

3. Patient Engagement Tools

Measuring & Improving Processes

Data, Tools, and Communication

Double-sided Pocket Cards for Hospitalists & Residents

Performance Metrics for Cardiovascular Care

Myocardial infarction

Inclusion criteria: All patients admitted with MI (ACS symptoms + abnormal troponin level)

Performance metrics:

- Aspirin prescribed at discharge
- Beta-blocker prescribed at discharge
- Statin prescribed at discharge
- ACE-I or ARB prescribed at discharge if LVEF < 40%
- Measurement of LVEF during the current hospitalization (echo, nuclear, or ventriculogram)
- Referral to cardiac rehabilitation before discharge
- Smoking cessation counseling for patients who have smoked in the previous year

Heart failure

Inclusion criteria: All patients with a diagnosis of heart failure during the current admission

Performance metrics:

- ACE-I or ARB prescribed at discharge if LVEF < 40%
- HF-specific beta blocker (carvedilol or metoprolol succinate) prescribed at discharge
- Measurement of LVEF before arrival, during hospitalization, or planned after discharge
- Follow-up appointment scheduled and documented (including location, date, and time for follow-up visit)



Inclusion criteria: All patients with a new ICD implanted during the current admission

Performance metrics:

- ACE-I or ARB prescribed at discharge if LVEF < 40%
- Beta-blocker prescribed at discharge if LVEF < 40%
- Beta-blocker prescribed if there is a history of myocardial infarction

PCI

Inclusion criteria: All patients undergoing PCI (coronary angioplasty or stent) during the current admission Performance metrics:

- Aspirin prescribed at discharge
- P2Y12 inhibitor (clopidogrel, prasugel, or ticagrelor) prescribed at discharge
- Statin prescribed at discharge

Notes

- A patient may fall into multiple categories (e.g, a patient may be included in PCI, MI, and HF registries).
- If a medication is contraindicated, the reason for the contraindication must be documented.

Please contact **drew.baldwin@virginiamason.org** with any questions about the cardiovascular care performance metrics.



Front



Back

Process for Giving Direct Feedback to Hospitalists



Automated Report Sent to Quality Team

GWTG Heart Fail	ure		
MRN Last Name	First Name	Admit Date	Discharge Date
		4/21/2015	4/26/2015
Discharge Status: Home			
Discharge MD			
Consulting Cardiologist			
Performance Metrics:		-	
LVF assessed	Yes	_	
ACE/ARB @ Disc	Yes		
BB @ Disc	Yes		
Follow Up Scheduled	Yes		
Quality Metrics:		-	
Aldosterone @ Disc	No		
Anticoag Therapy @ Disc	Yes		
Hydralazine @ Disc	N/A		
DVT Prophylaxis	Yes		
Instructions @ Disc	Yes		
Flu Vaccine	Given prior to admit, current flu, not this stay		
Pneumococcal Vaccine	Pneumococcal vaccine received prior to admit	r	

Sharing the Data

Trends are shared at monthly meetings in the Heart Institute.

Heart failure metrics	Feb 2015	YTD 2015	90 th percentile
# Total cases	37	80	N/a
PROCESS METRICS			
ACE-I/ARB at discharge for LVEF < 40%	100.0%	100.0%	100.0%
HF-specific beta-blocker at discharge for LVEF < 40%	100.0%	100.0%	100.0%
LVEF measurement or documented as planned	100.0%	100.0%	100.0%
Follow-up appointment scheduled (date, time, location documented)	68.2%	63.8%	100.0%
Discharge instructions provided	100.0%	100.0%	100.0%
OUTCOME METRICS			
30-day mortality	8.1%	10.0%	N/a
30-day readmissions	13.5%	16.3%	N/a



Focusing on One Metric:

Scheduling the Follow-Up Clinic Visit Before Discharge

Percentage of eligible heart failure patients for whom a follow-up appointment was scheduled and documented including location, date, and time for follow-up visits or location and date for home health



Heart Failure Tracking

P PowerChart Organizer for Juel RN, Roxanne H

Task Edit View Pat	itient Chart Links Navigatio	n Help											
針 Home 🔢 Ambulato	ny Organizer 🛔 Patient List 🚨 N	Iulti-Patient Clinic	Tasks 🎬 Organizer V	/MPages 🌃 Patien/	t Keeper (ECC) 🔝 Invitations	-							
SmaRTE 📮													
🞝 V-Net 🔞 Clinical Ap	ops 🔞 Philips iSite 🝦												
Tear Off 🔄 Attach	😫 Change 🗰 Suspend 🗐 Exit	Calculator	AdHoc 🊨 PM Conv	ersation 👻 🛞 Explo	rer Menu 🛃 Discern Analytics	🖀 Report Builder 🔣 Patien	t Information Request 🔄 Communica	ste 👻 🔥 Patient P	harmacy 🦹 Depart 👔 Pa	tient Education 🖕			
											ST JOHN, C	YNTHIAL 🝷 🌾 R	ecent - MRN
Organizer VMPages												(D) Full scre	en 🝈 Print 🎅 0 minutes
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Ambulatory Room	ning Patient List CHF Pa	atient List 🧧	Clinical Andon Boa	ard 🚺 Diabetes	s Patient List 👖 ED Trac	king Board 👖 Hospital	Discharge Patient List 👖 Inp	atient Tracking	Board 👖 RT Patient	List Schee	duling Tracking Bo	ard 📔 Stroke Pa	atient List
Loaded 5/6/2	2015 09:00												Ereedback Abou
Tracking View:	CHF 🔽	Discharge	d										Total: 40
Cur Loc A NA	ME 🌣 MR	N 🗘 CHF	Problems \$	CHF Dx 🗘	CHF Edu Order 🔷 🗘	Prev Enc < 30	Med Svc	≎ BNP ≎	LOS (Days) 🗘	LINKS \$	Disch Dt 🗘	Actions \$	смтs 🗢
756-01					YES	YES	Outside Doctors	2589	2	100		×	2
758-01		~		~	NO	YES	Hospitalist		4	(FR 🗋 🛃		*	2
766-01		<u></u>			YES	NO	Outside Doctors	<u>616</u>	1	1		×	2
769-02				~	NO	YES	Hospitalist	1964	2	F	05/05/15	×	🗾 f/u appoin
863-01		X		*	YES	NO	Hospitalist	1177	5			×	2
868-01		~			NO	NO	Outside Doctors	348	0	1		×	2
869-01					NO	NO	Hospitalist		0			×	2
870-01				~	YES	NO	Hospitalist	2739	8			×	bundle pro
874-01				~	YES	NO	Hospitalist	772	1	14.0 2		×	Znote to Sw
876-01					YES	NO	Cardiothoracic Surgery	2917	22	FF 🖬 🔁		×	2
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968-01				~	NO	NO	Hospitalist		1	14 1		×	2
973-02		X			NO	NO	Outside Doctors		4			×	2
976-01				~	YES	NO	Hospitalist	3829	4	(Fr 🗈 🛃		×	Znote to Sw
977-01		M		~	YES	NO	Outside Doctors	218	3			×	2
1063-02		<u> </u>			NO	NO	Hospitalist	98	34	FF 🗎 🛃		×	SRD on C
1073-02				*	YES	NO	Hospitalist	4900	13	1 - C		×	bundle pro
1082-01		~			NO	NO	Hospitalist		0	1.		×	2
1459-01				~	NO	NO	Hospitalist	<u>381</u>	23			×	🗾 no HF issu
1460.01						10	t to an it all at	0.64				64	

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Open Access Scheduling

Key features:

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- Goal of open schedules is to allow for maximum flexibility
- No holds blocking the schedule
- Duration of appointment types standardized, across providers
- Simplified scheduling process allowing the software to easily

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	7:00			Release	1		Hospital Rounds			EP DT General				Hospita
	7:30		_		Meeting	3	Meeting	Card DT Cath/EP				_		
	8:00	Card FW General	Hospital Rounds	Card DT General							Card DT Echo Rea	i	_	
	8:30		Card DT General		Card IS General - A	Card LY General-A	Release		Hospital Rounds			Card DT General		
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Educating and Getting Physicians Involved

	Congestive Heart Failur	e
Type of heart failure:	Acuity of heart failure:	
Systolic heart failure Diastolic Heart Failure Combined systolic and diastolic HF Right Heart Failure Other: Charting will add a Heart Failure problem	Acute Chronic Acute on Chronic Unspecified	resent
Meas	surement of Left Ventricular Sys	tolic Function
Left ventricular systolic function measured before or during this hospitalization: LVEF > or Equal to 40% LVEF > or Equal to 40% LVEF < 40% LVEF Not Measured	Reason LVEF not measured: LVEF measurement planned after discharge Patient Left Against Medical Advice Comfort Measures Only Hospice Care	Patient refused an echocardiogram O Other:
	Medications	
ACE-inhibitor or ARB	Reason ACE-inhibitor or ARB not p	prescribed:
Prescribed at Discharge Not Prescribed at Discharge	LVEF > or Equal to 40% Contraindicated Due to Allergy Contraindicated Due to Cough Contraindicated Due to Low Blood Pressure	Contraindicated Due to Hyperkalemia Hospice Care Comfort Measures Only Patient refused
*Required if LVEF < 40%, unless contraindicated.	C Contraindicated Due to Kidney Disease	O Other:

Educating and Getting Physicians Involved

Carvedilol prescribed at c Metoprolol prescribed at a Bisoprolol prescribed at d Not prescribed	lischarge discharge lischarge	LVEF > or Equal to 40% Allergy Bradycardia or conduction abnormal Hypotension or low blood pressure Reactive Airway Disease	Patient Left Against Medical Advice Comfort Measures Drily Hospice Care Patient refused medication Other:	
equired if LYEF < 40% ridence-based HF-spec rvedilol, metoprolol su	, unless contrair ific beta blocke ccinate, and bis	ndicated. 18 are oprolol.	_	
🕇 Add 🍣 Document	Medication by Hx	: 🛛 🗖 External Rx History 🔹 🍟	Reconciliation Status ✔ Meds History ✔ Admi	ssion ✔ Discharge
View	Displayed: All Ac	tive Orders All Inactive Orders All Active M	edications, All Inactive Medications 24 Hrs Back	Show More Orders
Orders for Signature Medication List	4 Inpatient	> 🌾 Last D Status	Compliance S Compliance C	Order Name
Outpatient Prescription Ocumented Me	⊿ Prescription	p 🗹 6ත් Ordered n		insulin glargine (L/
Unspecified		Prescribed		verapamil (verapar
Medication History		Prescribed		enoxaparin (enoxa
Medication History Sn		Prescribed		mupirocin topical
Reconciliation History	► <u></u>	Prescribed		lisinopril (lisinopril
) b	Prescribed		lithium (lithium 30
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agnoses & Problems	The Details			
Related Results				

Educating and Getting Physicians Involved PART 3

Fol	llow Up Appointment Documented	
he date, time, and location of the scheduled a he chart before the patient is discharged.	ppointment must be documented in	
Follo w -up appointment locumented:	Reason follow-up appointment not docum	ented:
 Follow-up appointment documented Follow-up appointment not documented 	Appointment for home health visit documented instead Transferred to another hospital Discharged to skilled nursing facility Discharged to inpatient rehab facility Discharged to hospice Patient Left Against Medical Advice	Medical reason for no follow-up scheduled Patient refused to seek follow-up Patient refused medication Other:



Patient Engagement Tools

New Heart Failure Patient Packet



The Heart Failure Patient Education Packet was recently revised because we needed:

More focused language on individual patient needs

Simple and informative visuals

Tools that guide conversation and provide teach-back opportunities

Packets that could be used in the inpatient and outpatient settings






Front

AM/F

Virginia

Focusing on the Patient's Progress

Concentrated teaching on making sure the patient:

- > Weighs him or herself
- Understands a low sodium diet
- > Continues medications, even if he or she is feeling better





Plan-Do-Study-Act

PDSA Process Improvement

Testing documentation for the medical chart, with nurses, social workers, and other team members.

Key Learning: **We need nurse-led rounding** to identify heart failure patients before discharge, and to help schedule follow-up appointments.

HF EDUCATION by RN/PharmD: Support system: Who helps take care of your health? Psychosocial support issues: _ Do you feel you need assistance with any of the following? [] Transportation Taking your meds daily Med refills/Grocery shopping Making follow-up appointments [] Financial support Medication reconciliation done Medication concerns and side effects addressed ☐ Importance of medication adherence discussed barriers to adherence identified: Updated medication list printed and given to patient Commend the influenza and pneumococcus vaccinations be up-to-date BP <140/90? [] Yes Smoking Cessation counseling done ☐ Alcohol abstinence counseling done Daily weights C Reviewed home weight (range, average): Recognition of HF symptom worsening Patient able to teach-back the plan for red zone symptoms Lice counseiing Desiners to admenence with low sourcement with and many r Referral to Registered Dietician, if indicated (e.g. protein malnourishment, further salt intake education) Diet counseling GPH score (Prev score: _) Quality of life HVHC: Enrolled [] Yes [] No GMH (Prev score: _) Daily activities customized to patient discussed - [] Yes [] No LICHF packet with updated care plan given to patient (AHA recommended) viner issues: 76

Improving What We Know About the Patient

Ambulatory Summary MPage

Chief Complaint:	No results found	
Reason For Visit:	No results found	
Primary Physician:	No results found	
Attending Physician:	Aaronson MD, Barry A	
Referring Physician:	No results found	
Service:	Hospitalist	
Admit Date:	03/25/15	
Advance Directive:	Yes	
Last Visit:	No results found	
Do have a preferred name that we should use:	Jeff	
What type of living situation are you currently in:	I live at home	
Who is your primary caregiver:	My wife	
Best way to reach me is:	Home phone number	
Are there any barriers to receiving care:	My wife and I do not drive	
"Know Me" Notes 8/16/2014 12:41 Auth (Verified)		



Each Person. Every Moment. Better Never Stops.



Questions?

- We will only be taking text questions.
- Click the green "Q&A" icon on the lower left-hand corner of your screen, select "Ask," type your question in the open area and click "Ask" again to submit.



More Questions about Get With The Guidelines?

• Trainings and technical questions will be handled by Quintiles Real-World & Late

Phase Research Help Desk

- Contact Quintiles
 - Call 888-526-6700
 - Email InfosarioOutcomeSupport@quintiles.com

 Contact Quintiles or visit heart.org/QualityHF to find your local Get With The Guidelines representative.