# WINNER POSTER 2

PAG<sub>NY</sub>

HEALTH+ HOSPITALS

#### **Post-Discharge Experience of Patients with Congestive Heart Failure at** Harlem **Harlem Hospital**



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RESULTS

119 (31%

167 (64%)

94 (36%)

101 (40%) 153 (60%)

## INTRODUCTION BACKGROUND

- CHF affects 6.5 million adults in the USA, with 5-year survival rate of ~50% for all stages.
- CHF costs the nation ~\$30.7 billion/year and is expected to rise to ~\$53 billion by 2030.
- Multidisciplinary/comprehensive care practices leads to fewer hospitalizations, reduced mortality and hospital cost. This includes inpatient management, discharge planning, and post-discharge support.
- There is less clarity on how hospitals can revamp current care practices and tailor improvements to address needs of unique patient populations.

## **OBJECTIVE/HYPOTHESIS**

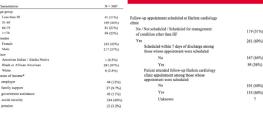
To examine the inpatient and post-discharge experience among patients with CHF at HHC and determine which variables impact show rate at clinic visits.

To provide a framework for future performance improvement initiatives that enhance the care of patients with CHF

Hypothesis: Support practices, such as education and timely post-discharge appointments, would increase the likelihood of patients attending appointments

### **METHODS**

Retrospectively reviewed for 380 patients who were admitted to Harlem Hospital for CHF from 2019 -2020, either due to an exacerbation of symptoms or new-onset of disease. The main analysis excluded any patients who were admitted prior to the CHF Coordinator's start date and who did not have a scheduled follow-up appointment at the Harlem Cardiology clinic. The subset evaluation included 239 patients. Our main outcome of interest was attendance at any scheduled follow-up/post-discharge appointment.



Characterist Age group Loss than 51-65 66-75 >=76 Gender Female Maie

employer family suppo

- · 69% of patients had a follow-up appt scheduled post-discharge and only 36% of those patients were scheduled for 7 days post-discharge
- · A significantly larger percentage of patients with a permanent residence or a length of stay of 1-3 days attended a follow-up appt
- Patients with T2DM had 0.51 (95% CI: 0.26-0.97) time lower odds of attending a follow up appointment, while patients with obesity had 2.48 (95% CI: 1.27-5.01) higher odds

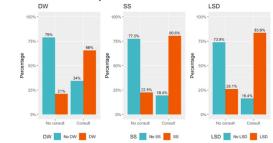
Results of logistic results modeling "Patient attended a follow-up Harlem cardiology clinic ap

poinimeni	Model 1		Model 2		Model 3	
	OR (95% CI)	p-value	OR (95% CI)	p-value	OR (95% CI)	p-value
Age	0.99 (0.96,1.01)	0.2	1.00 (0.97,1.02)	0.8	1.00 (0.98,1.03)	0.7
Type 2 Diabetes						
No / Unable to Determine			Ref		Ref	
Yes			0.56 (0.30,1.03)	0.065	0.51 (0.26,0.97)	0.043
Obesity						
No			Ref		Ref	
Yes			2.33 (1.23,4.51)	0.011	2.48 (1.27, 5.01)	0.009
History of COPD						
No			Ref		ref	
Yes			0.71 (0.38,1.33)	0.065	0.68 (0.35,1.30)	0.2
Length of Stay						
1-3 Days					Ref	
4-6 Days					0.82 (0.36,1.85)	0.6
>6 days					0.45 (0.19,1.03)	0.061
CHF Coordinator consult during admission						
No					Ref	
Yes					2.67 (1.27,5.96)	0.012
Model 1 is adjusted for Model 2 is adjusted for		morbidities				
Model 3 is further adjus OR= Odds Ratio CI= Con	ted for length of stay		ator consult took pla	ce or not		

## **CONCLUSIONS / DISCUSSION**

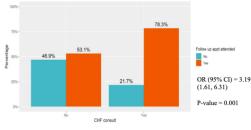
- The CHF Coordinator's role is essential for patient education and attendance at follow-ups. It highlights the importance of supportive inpatient/outpatient care practices
- Patients who are homeless, have a longer hospital stay and/or have T2D may benefit from enhanced discharge support and management
- More attention towards a follow-up appointment within 7 days of discharge. Patients may benefit from a mandated consultation by the CHF Coordinator

Percentage of patients who received in-patient education on daily weight monitoring (DW), signs and symptoms (SS), and low-sodium diet (LSD), among patients who had a CHF Coordinator consult vs patients who did not



· A significantly larger percentage of patients who were seen by the CHF Coordinator received education on LSD, DW and SS

Clinic show rate in patients who received a CHF Coordinator consult vs patients who did not receive a consult



· The odds of attending a follow-up appt was significantly increased in patients who saw the CHF Coordinator

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