VA Heart Failure Network CHF QUERI

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Outline

- Announcements
- Acute Decompensated Heart Failure: ED Pathway
- CHF QUERI Quality Improvement Goals for 2010
- Facility Survey Data

VA Quality Improvement Guide

- Based on Input from the VA Heart Failure Network
- Already have extensive library of patient education materials
- Looking to collect the following:
 - Inpatient forms, protocols
 - Outpatient forms, protocols
 - Other?

Criteria for CHF QUERI Goals

 Must improve outcome (survival or quality adjusted survival)

- Absolute benefit*gap in care
- Must have value (reasonable cost per gain in benefit).
- Must Meet Stakeholder goals
 Existing VA HF Performance Measures
 Readmissions

Rank Order of Goals

- Reduce Readmission Rates
- Increase Life-prolonging Treatments
 - Beta-blockers (3 recommended)
 - Aldosterone antagonists
 - Hydralazine/Nitrates in African Americans
 - Devices
 - ACE Inhibitors

 Recognition of asymptomatic LV dysfunction or unrecognized symptomatic HF.

HF Network Input

- Current goals sent to all members
 Received 87 responses with 85
 - commenting on the goal order:
 - 80 agreed with reducing readmissions as #1
 - 3 favored increased use of life-prolonging therapy as #1
 - Other recommendations for top goal
 - Prevention of HF and detection of unrecognized heart failure
 - Treatment of advanced heart failure.

CHF QUERI Plans for 2010

- Interventions to Reduce Readmission Rates
 - Identification of interventions
 - Implementation
- Continued focus on beta-blockers
 - Have patients on one of three recommended betablockers

New areas

- Atrial fibrillation
- Appropriateness/overuse (echo, medication use)

Facility Survey for Heart Failure Care: 2008

Facility Survey Background

Increasing focus on heart failure
Rehospitalization
Outcome varies
Facilities function independently
Unclear variation in resources devoted to heart failure care

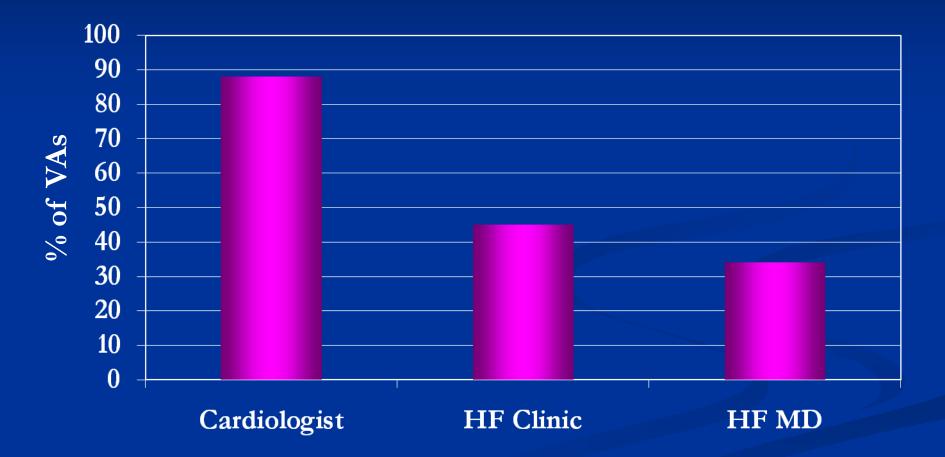
Facility Survey Goals

- Determine structure/resource use for heart failure care at each VA facility
- Determine any association with survival and hospitalization.
- Disseminate findings, encourage implementation of programs found to be highly effective

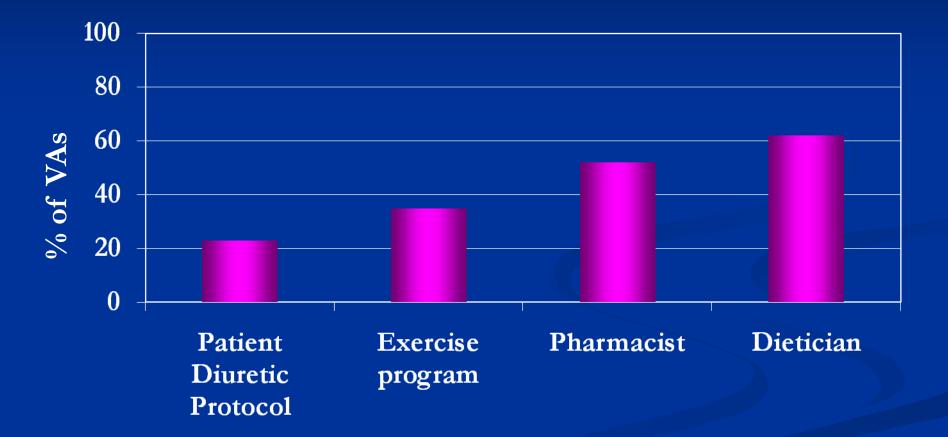
Facility Survey Responses

144 facilities responded
93 reported data on fulltime cardiologists (mean 3.3)

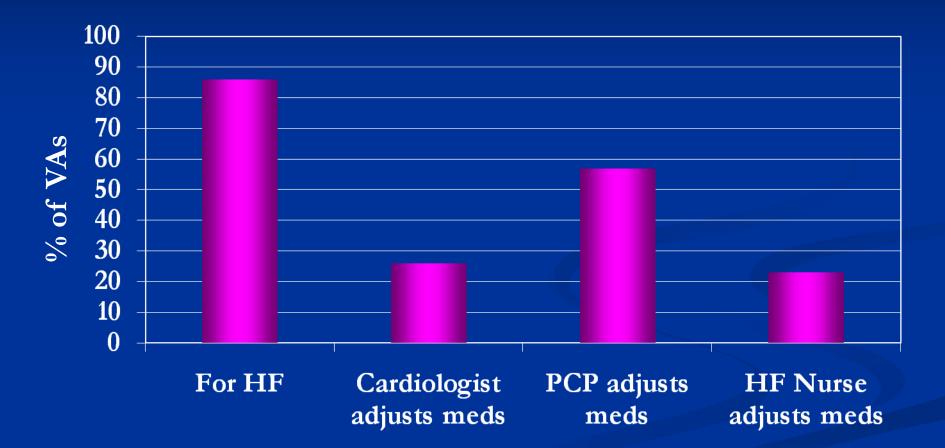
Physician Resources



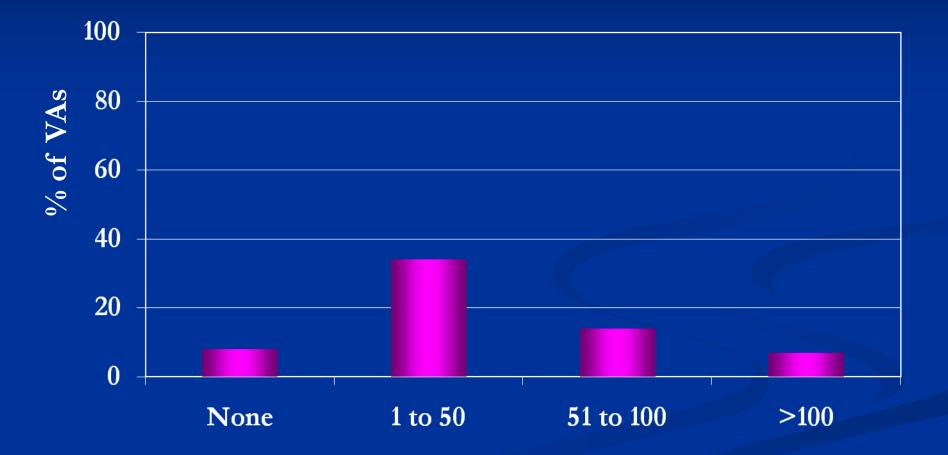
HF Program Characteristics



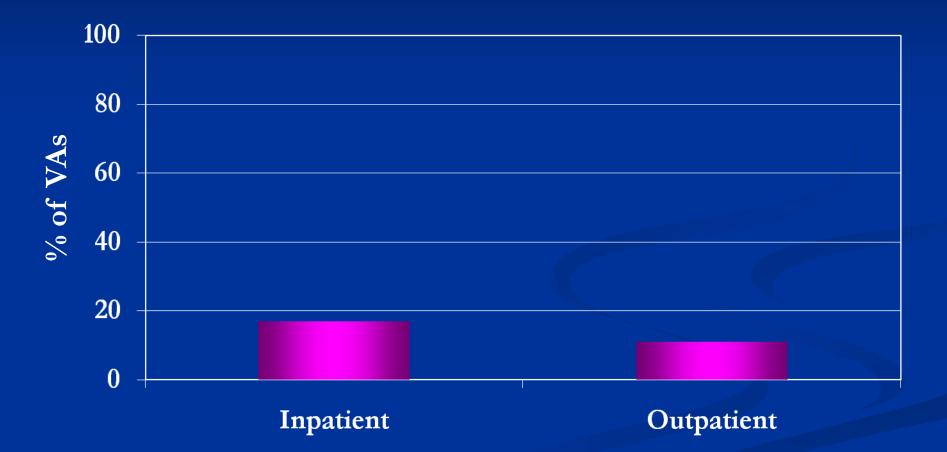
Home Monitoring



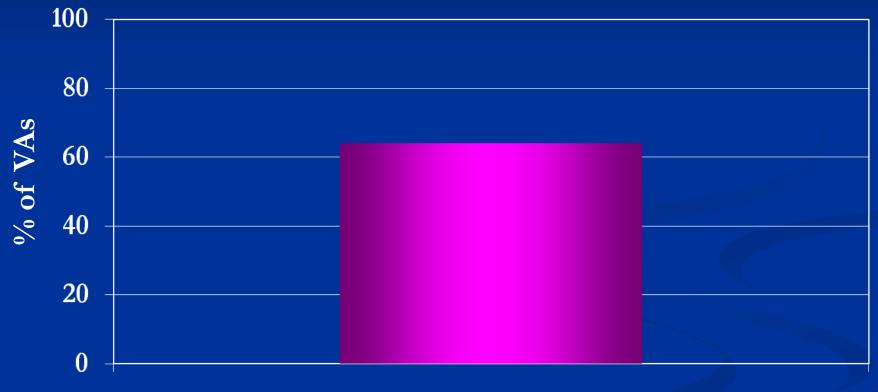
Home Monitoring Enrollment



Standardized Orders

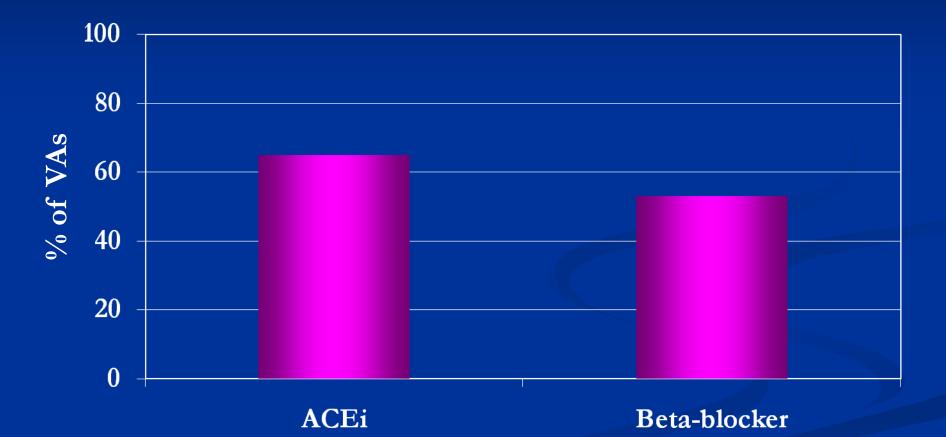


Feedback Quality Measures

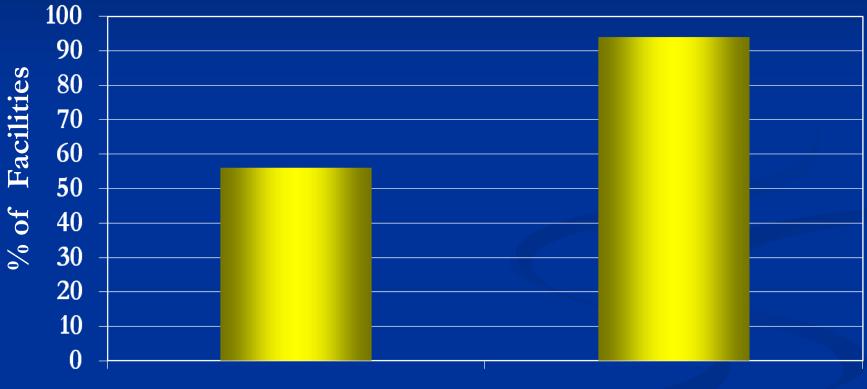


Any

Clinical Reminders



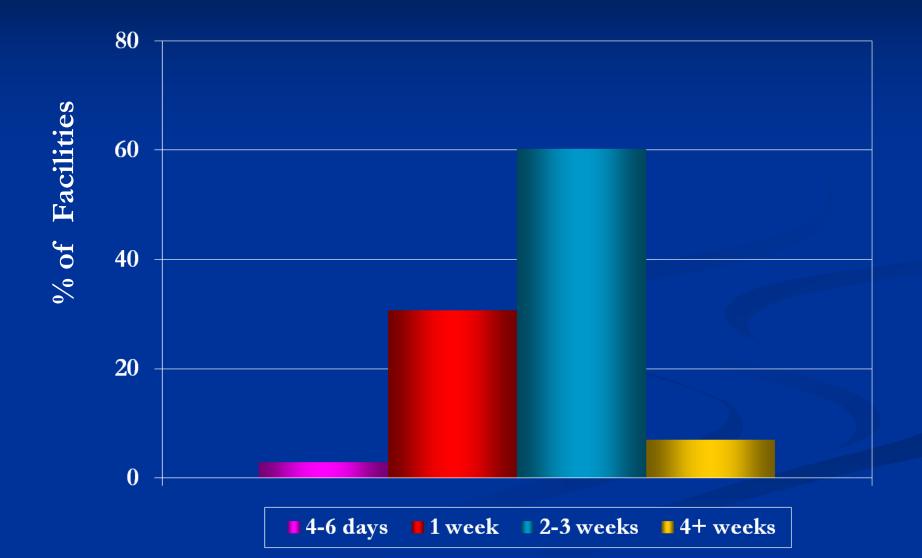
Follow Up



Telephone Call

Clinic Visit

Follow-up Time for Clinic Visit



Follow-up Time for Telephone Call



Patient Characteristics:				
Cardiologist Available				
Cardiologist Available				
	YES	NO		
Age	69.4	71.7*		
LOS	6.43	6.32		
Comorbid Score	2.13	2.22*		



Patient Characteristics				
Cardiology Clinic				
	Cardiology Clinic			
	YES	NO		
Age	68.8	70.7*		
LOS	6.31	6.61*		
Comorbid Score	2.02	2.22*		



Patient Characteristics:				
Heart Failure Cardiologist				
Heart Failure Cardiologist				
	YES	NO		
Age	68.7	70.2*		
LOS	6.56	6.31*		
Comorbid Score	2.06	2.21*		



Patient Characteristics:				
Home Telehealth				
Home Telehealth Use				
	YES	NO		
Age	69.6	68.7*		
LOS	6.45	6.44		
Comorbid Score	2.13	2.13		



14 day Follow Up After HF Hospitalization

Patients N=118,280

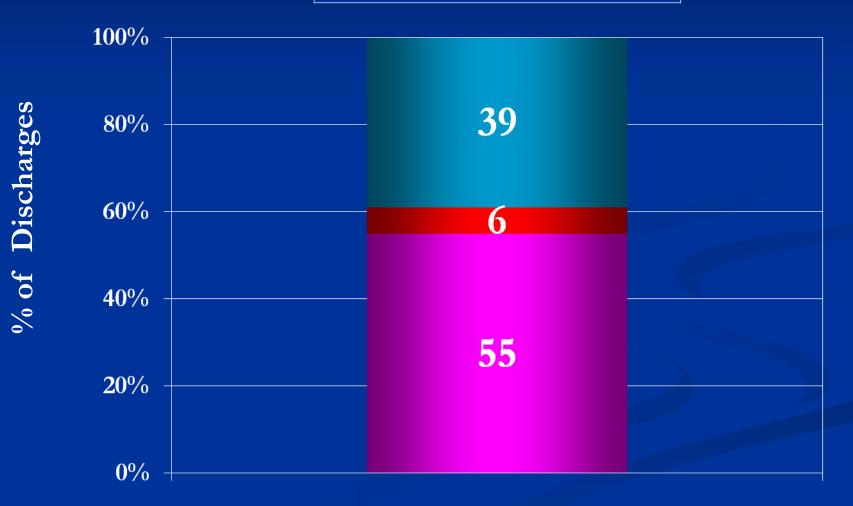
Primary Discharge diagnosis for heart failure
 2000-2006

Discharged to community

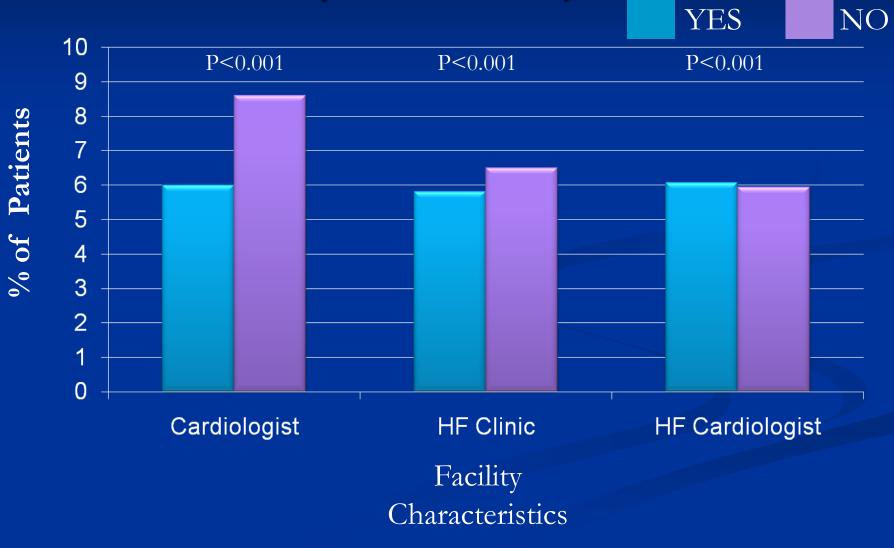
Survived 14 days post discharge without an admissions

Clinic visit with 14 days

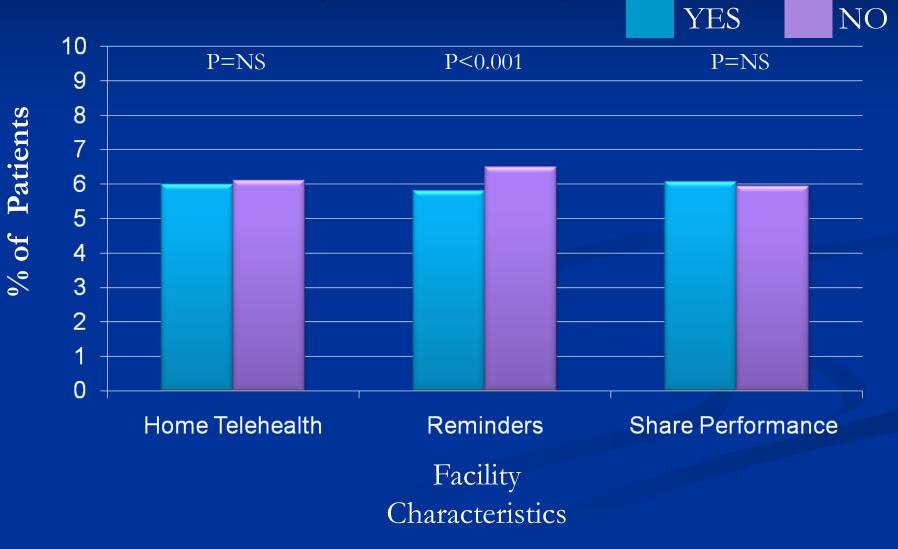
■ No ■ Cardiology ■ Other



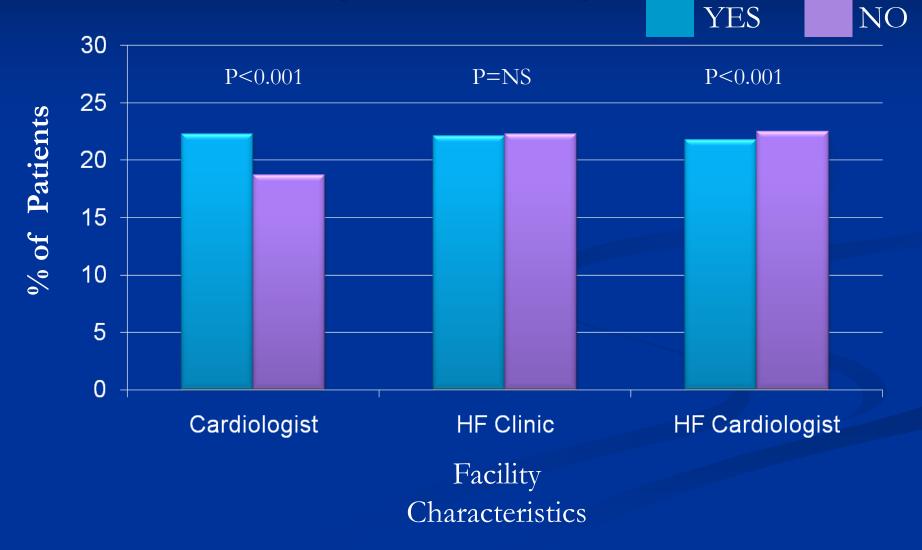
30 Days Mortality (All Cause)



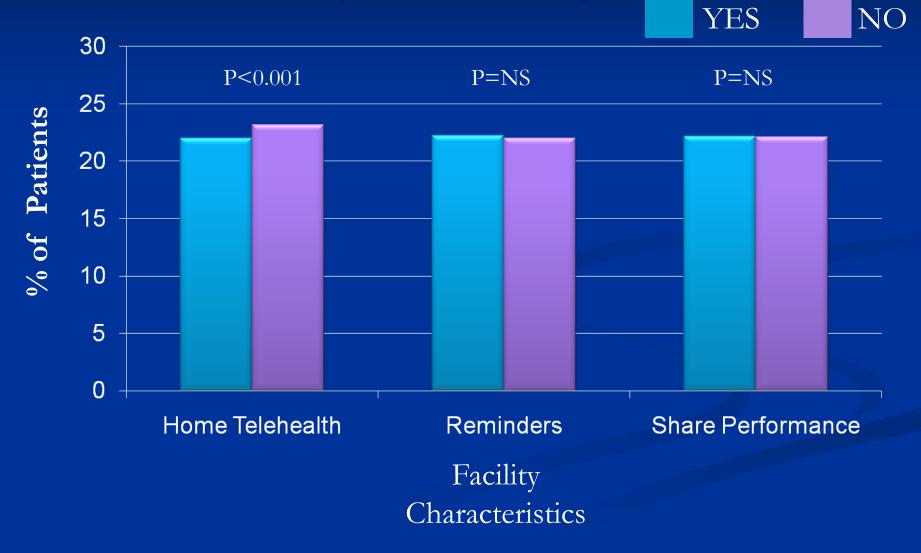
30 Days Mortality (All Cause)



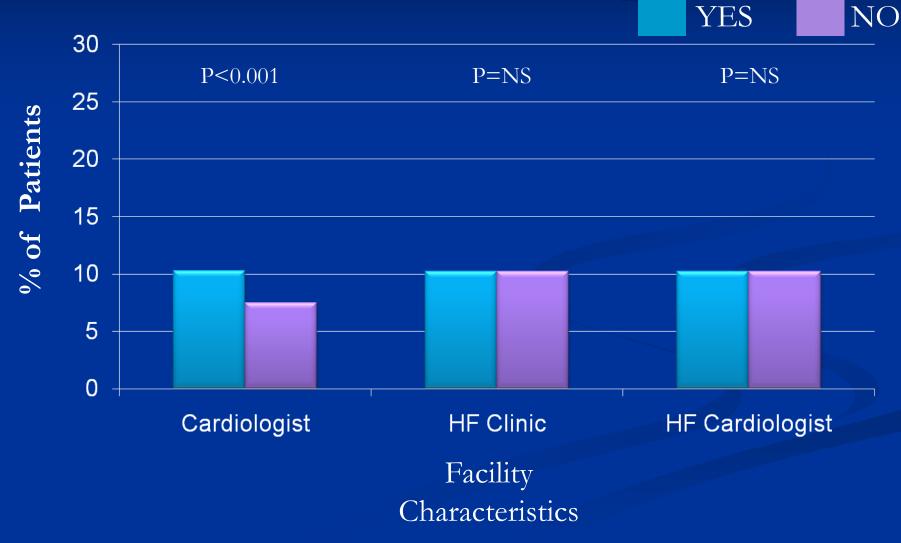
Readmitted within 30 Days (All Cause)



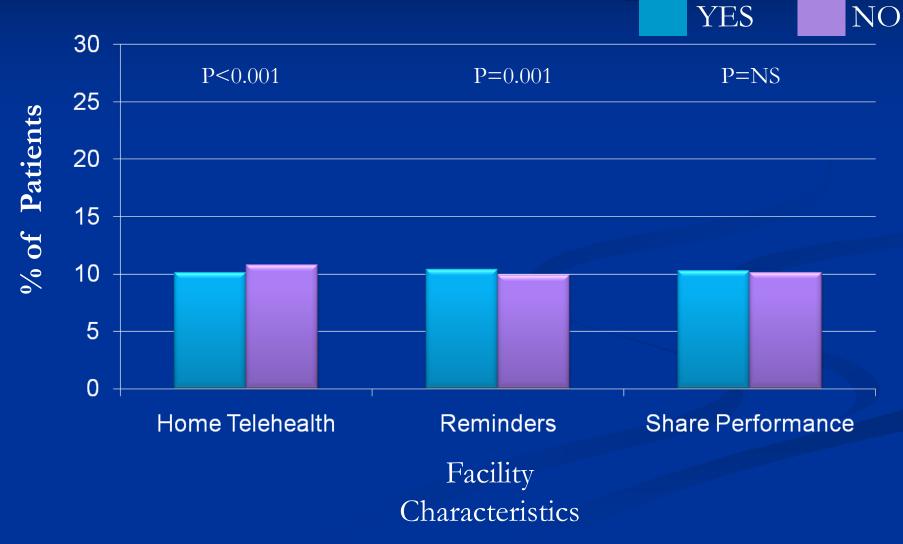
Readmitted within 30 Days (All Cause)



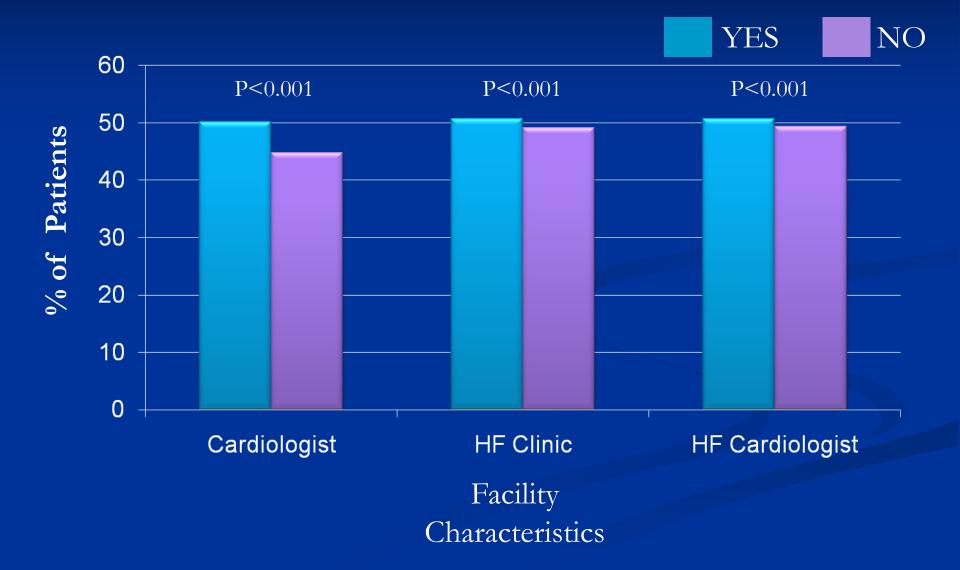
Readmitted within 30 Days (Heart Failure Principal Dx)



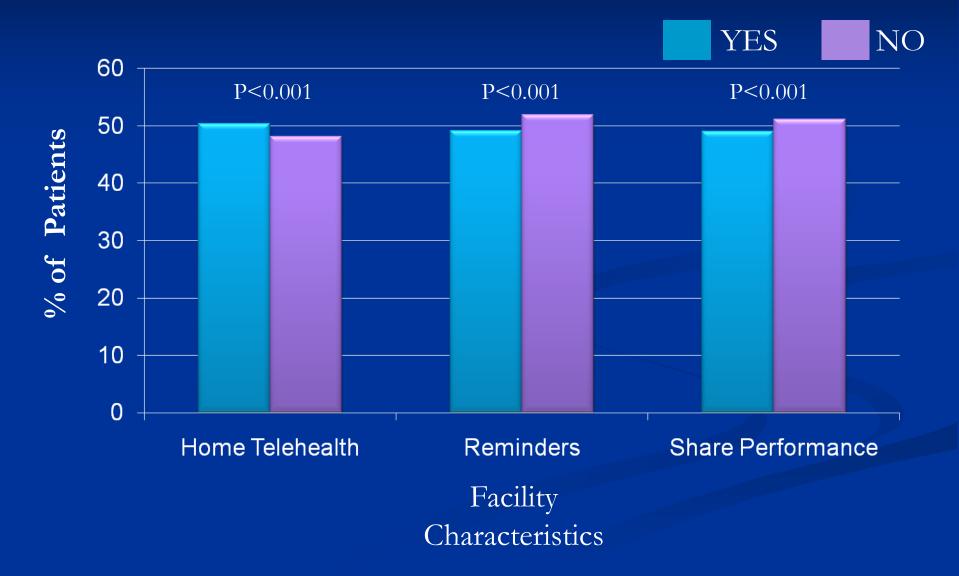
Readmitted within 30 Days (Heart Failure Principal Dx)



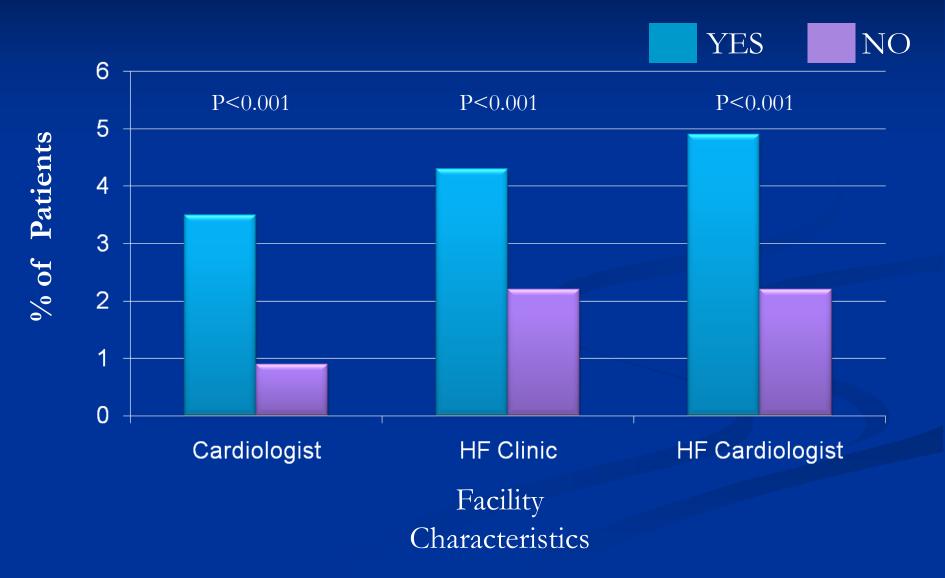
Office Visit within 14 Days



Office Visit within 14 Days



Right Heart Catheterization



Survey Conclusions

Facility Survey

Better outcomes associated with available resources, however bias cannot be excluded
 Home Telehealth
 Heart failure specialists