

VA HF Network

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Presenter Disclosure Information

- I will not discuss off label use or investigational use in my presentation
- I have no financial relationships to disclose

Outline

- Hospital to Home Update
- VA's interest in H2H
- Who enrolled?
- What did they do?
- Initial Impact of H2H on Outcome

- Hospital Compare
 - Reporting of Outcome, Process of Care

VA and Non VA Prevalence of Heart Failure

VA HF prevalence near 140,000 or 2.6%

Population Group	Prevalence	Incidence	Mortality	Hospital Discharges	Cost
Total population	5,300,000	660,000	284,965	1,084,000	\$34.8 billion

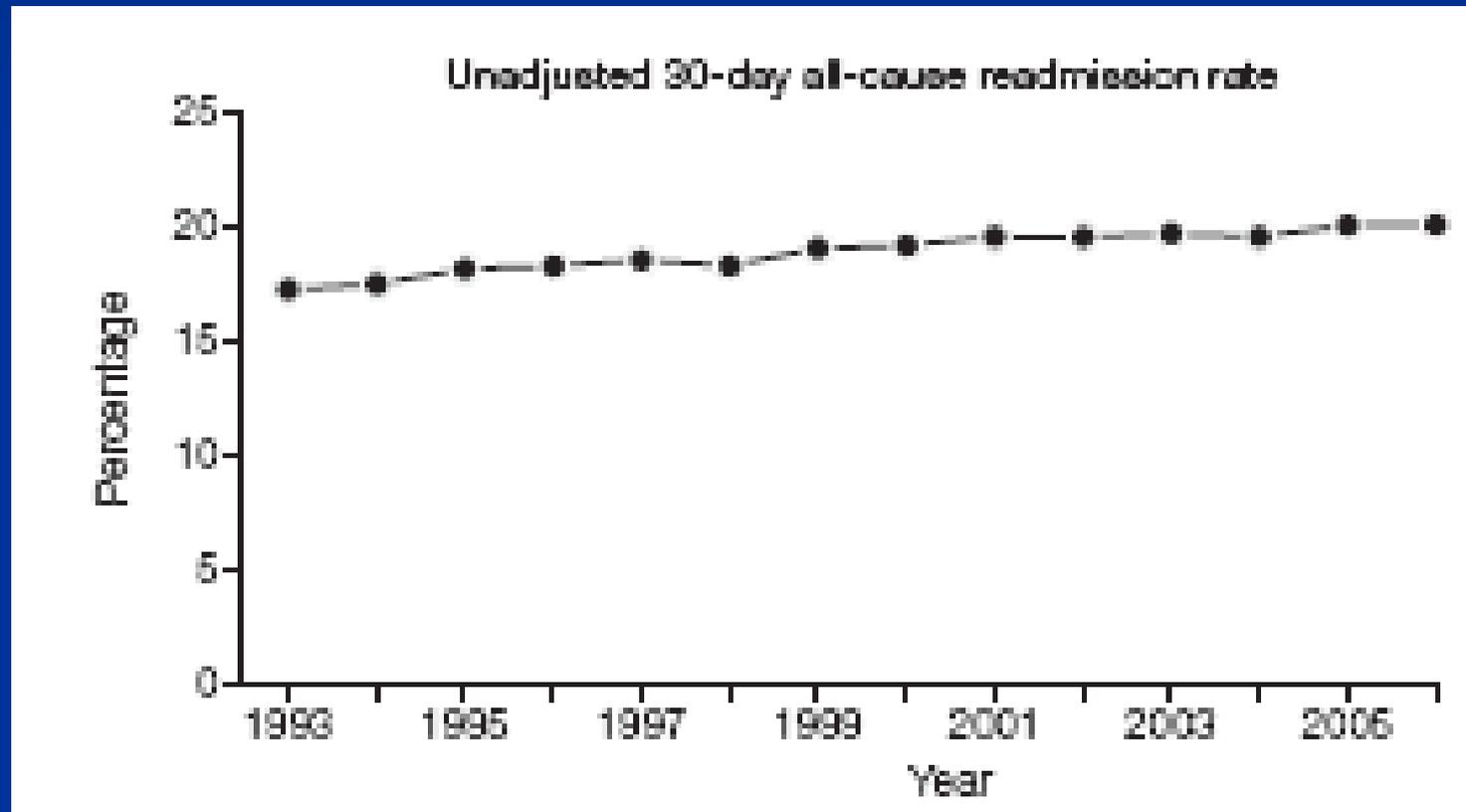
¹American Heart Association. *2008 Heart and Stroke Statistical Update*. Dallas, TX: American Heart Association; 2008.

²Hunt SA et al. ACC/AHA guidelines for the evaluation and management of chronic heart failure in the adult. 2001.

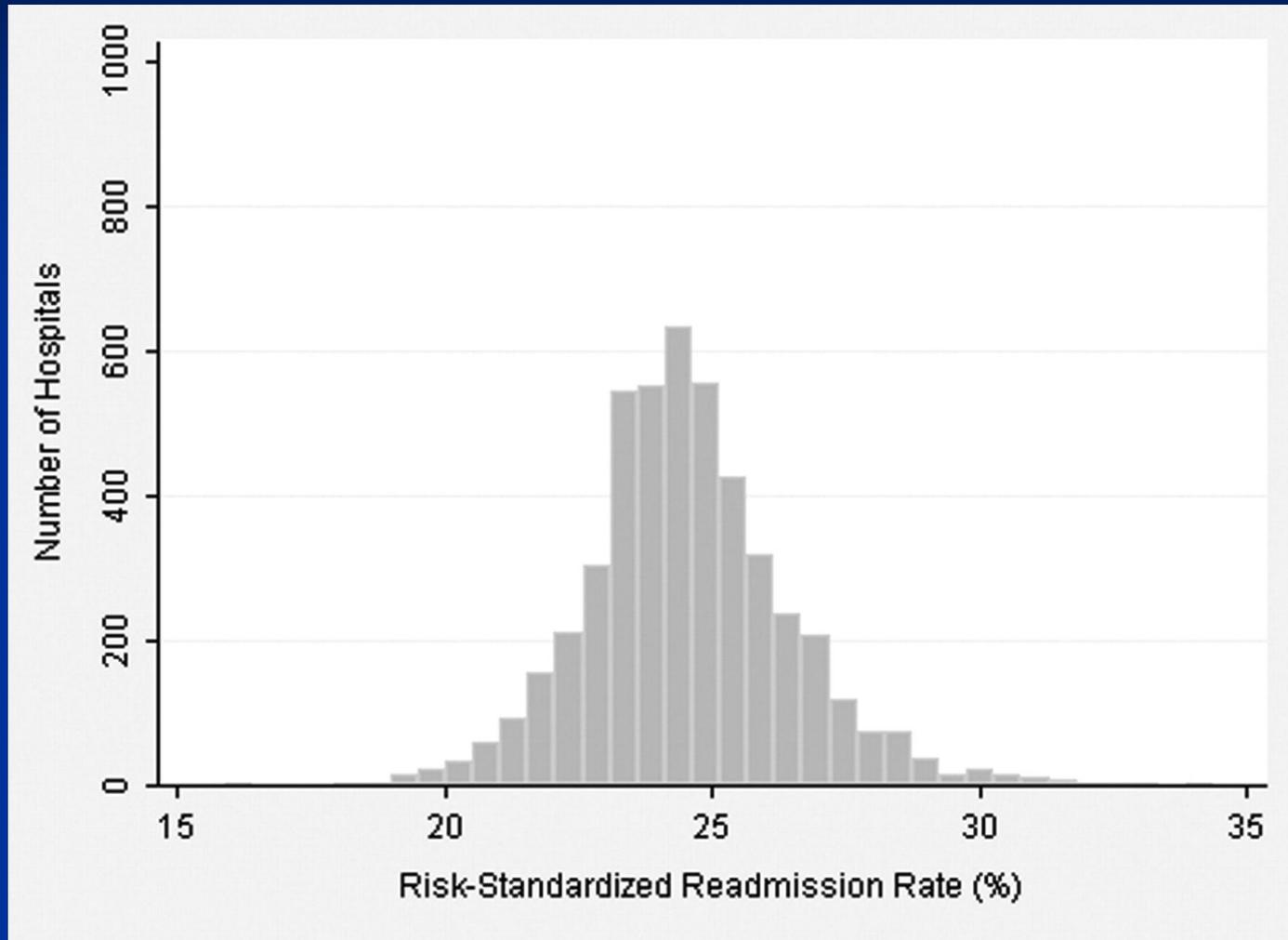
Hospital to Home (H2H) Excellence in Transitions

h2hquality.org

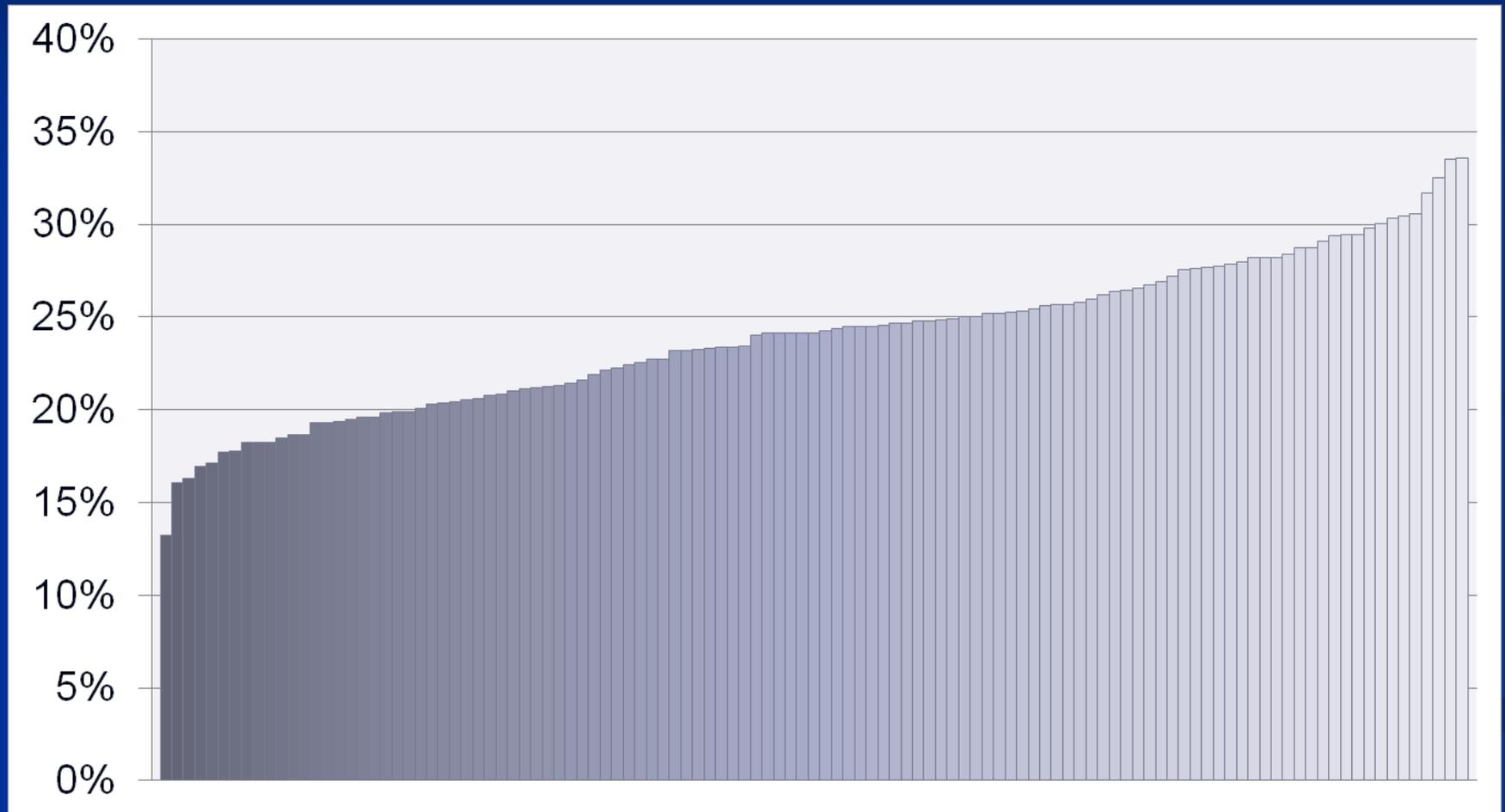
30-Day Readmission Rate: US Medicare



Heart failure 30-day Risk-Standardized Readmission Rate Distribution



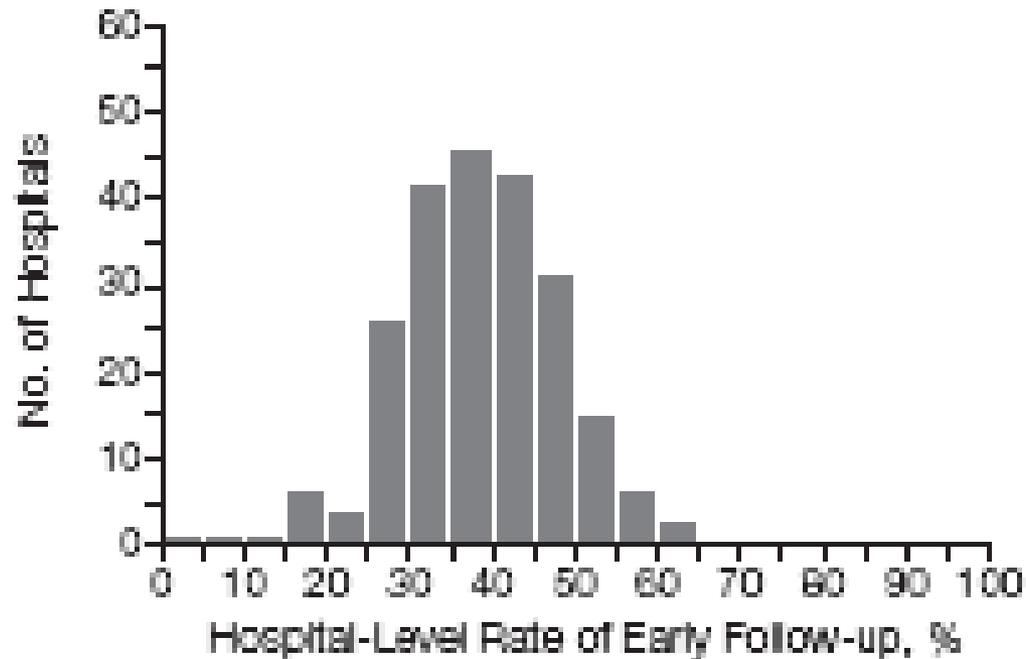
30 Readmissions (All Cause) Distribution for VA Facilities



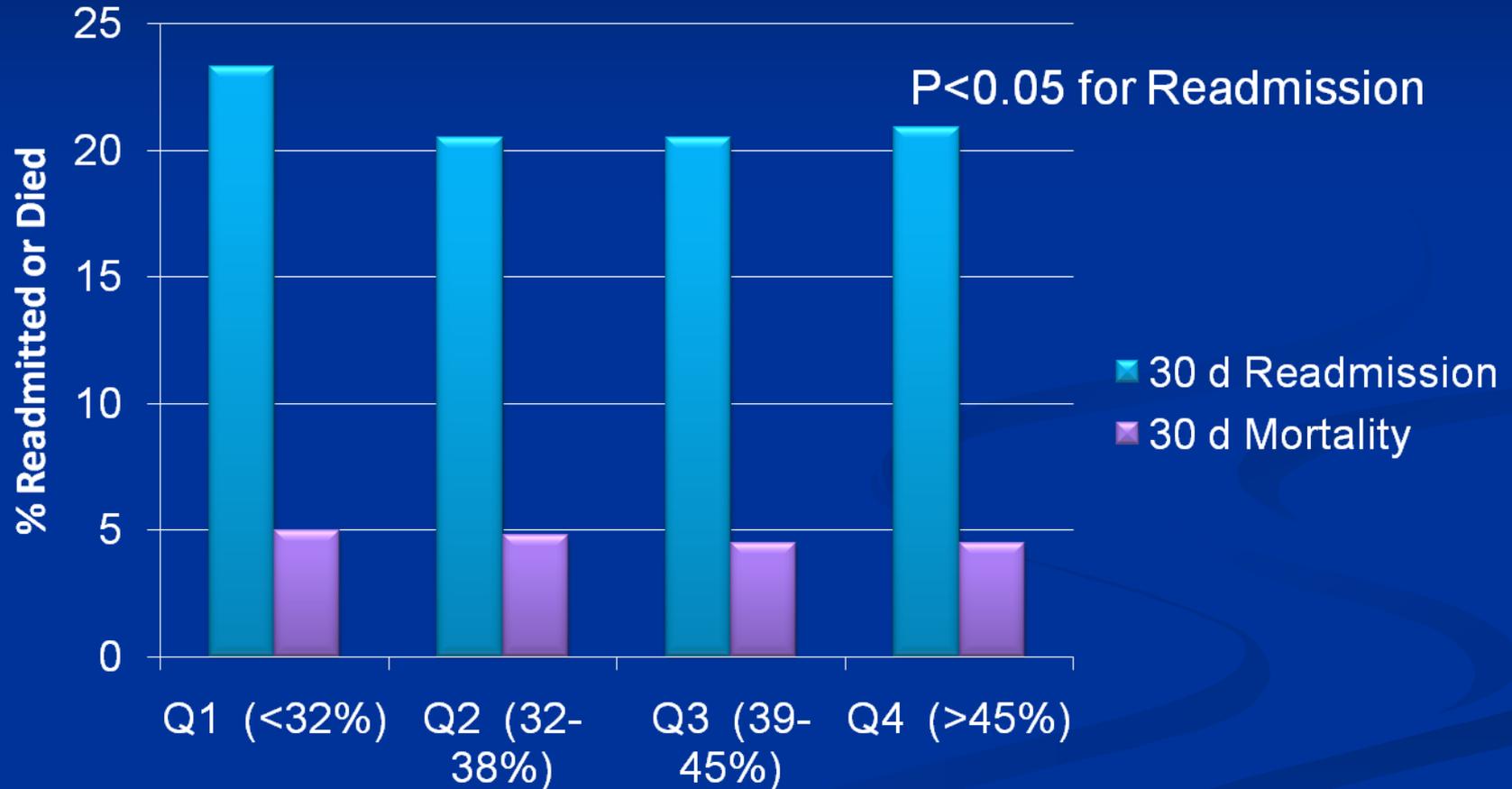
Excludes Facilities with < 100 HF discharges over 2 years.

Early Follow Up and Readmissions

Figure. Variation in Physician Follow-up Within 7 Days After Discharge



Follow-Up Within 14 Days and Outcome



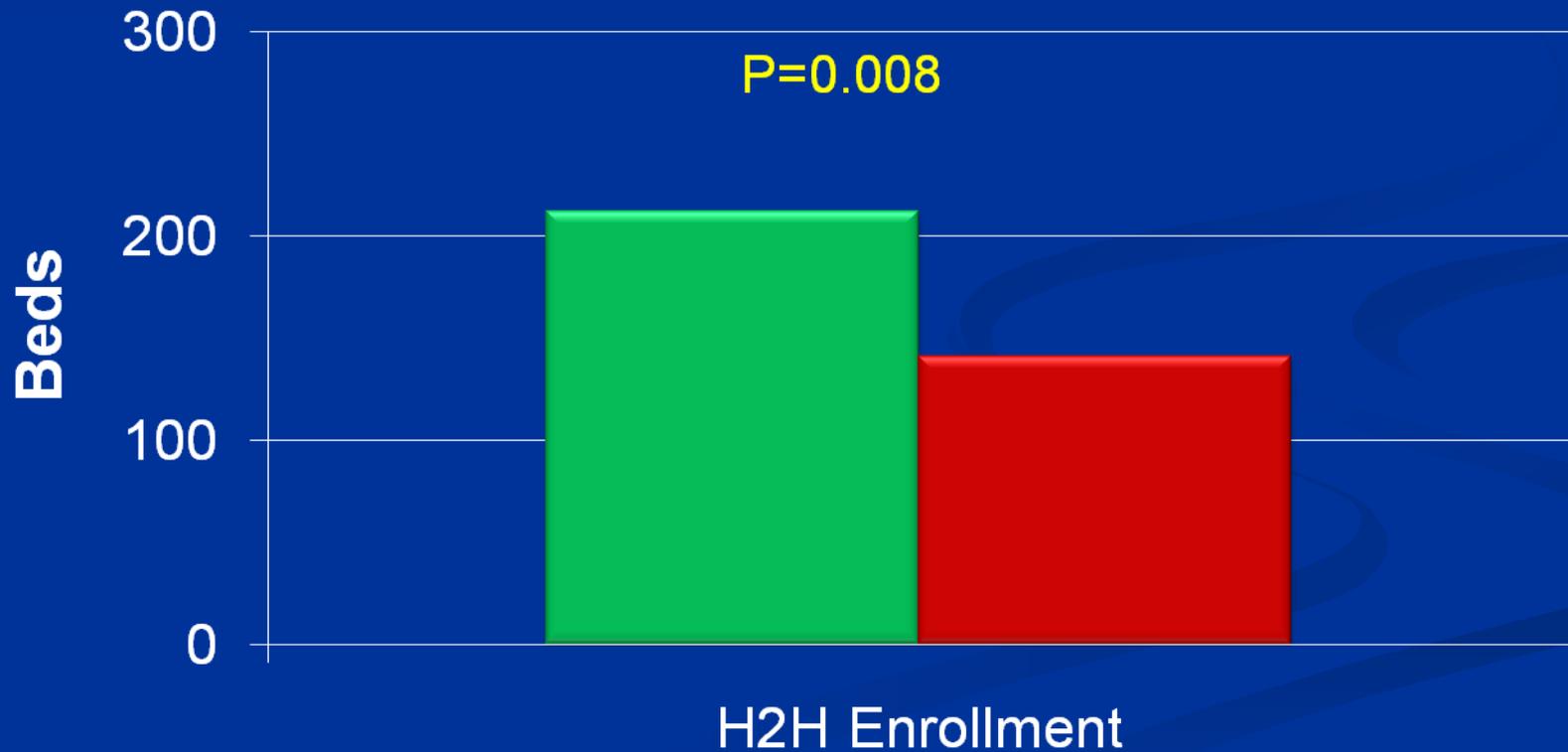
Quartiles of Hospitals based on % of Patients Seen in 14 days

3 Question Framework

- **Medication Management Post-Discharge:** Is the patient familiar and competent with his or her medications and is there access to them?
- **Early Follow-Up:** Does the patient have a follow up appointment scheduled within a week of discharge and is he or she able to get there?
- **Symptom Management:** Does the patient fully comprehend the signs and symptoms that require medical attention and whom to contact if they occur?

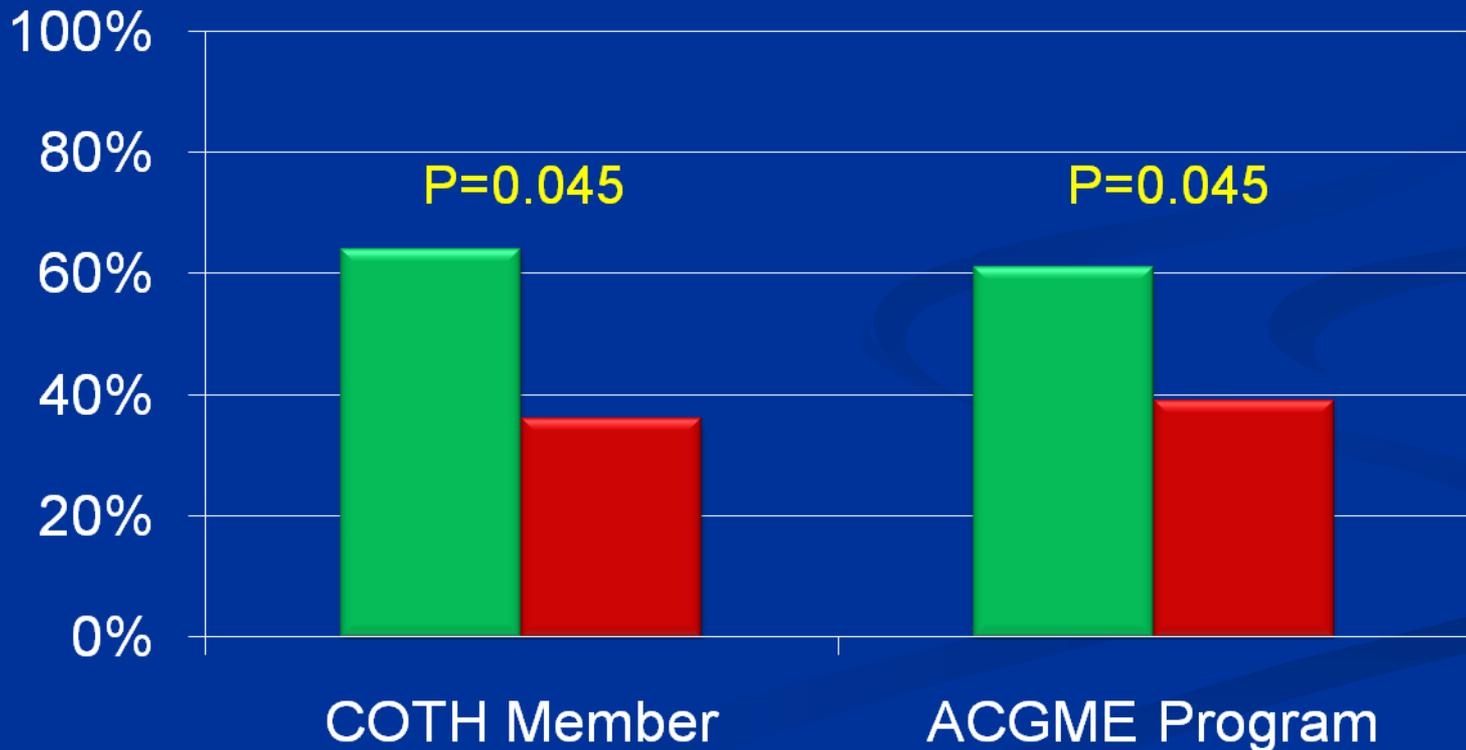
Who Joined H2H?

■ Joined H2H ■ Did not Join H2H



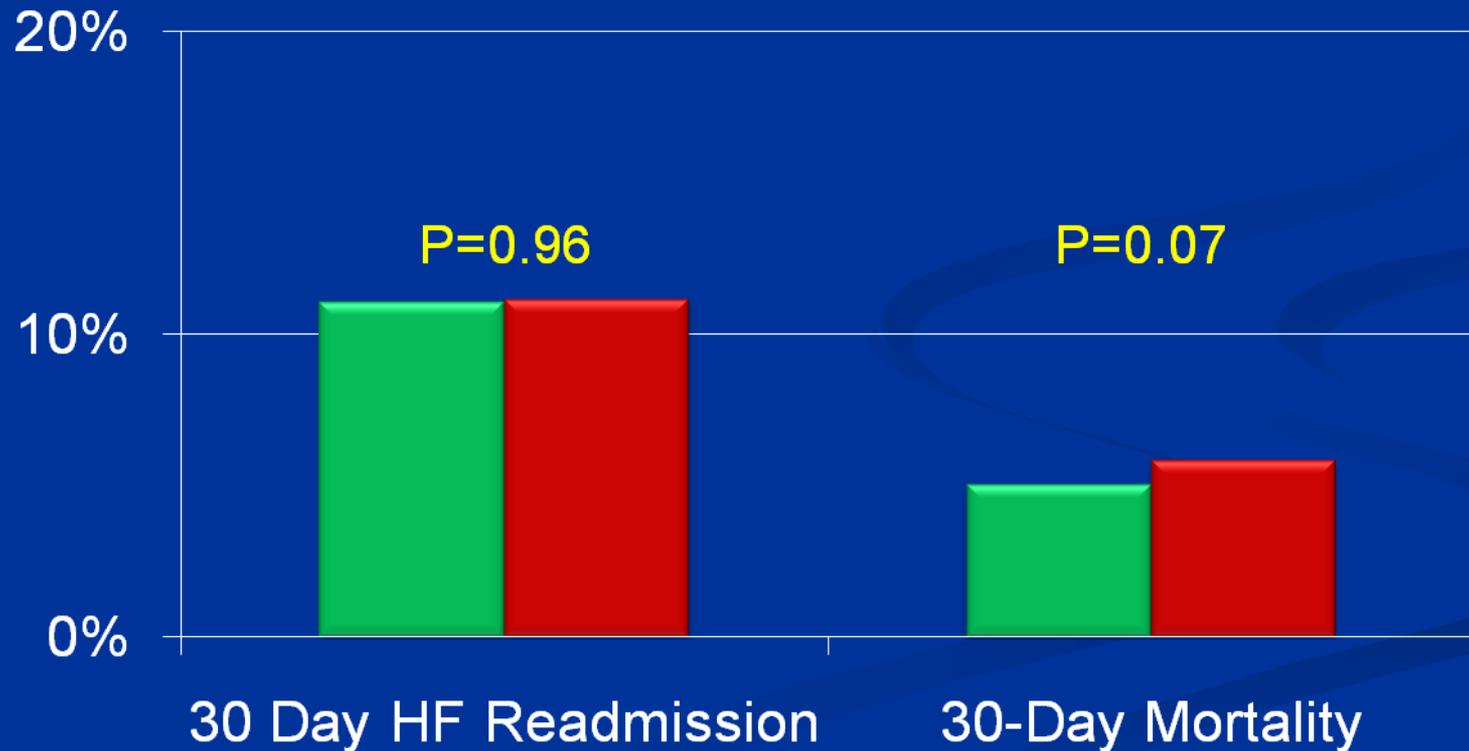
Teaching Status and Joining H2H

■ Joined H2H ■ Did not Join H2H



Baseline Outcomes (2008) and Joining H2H

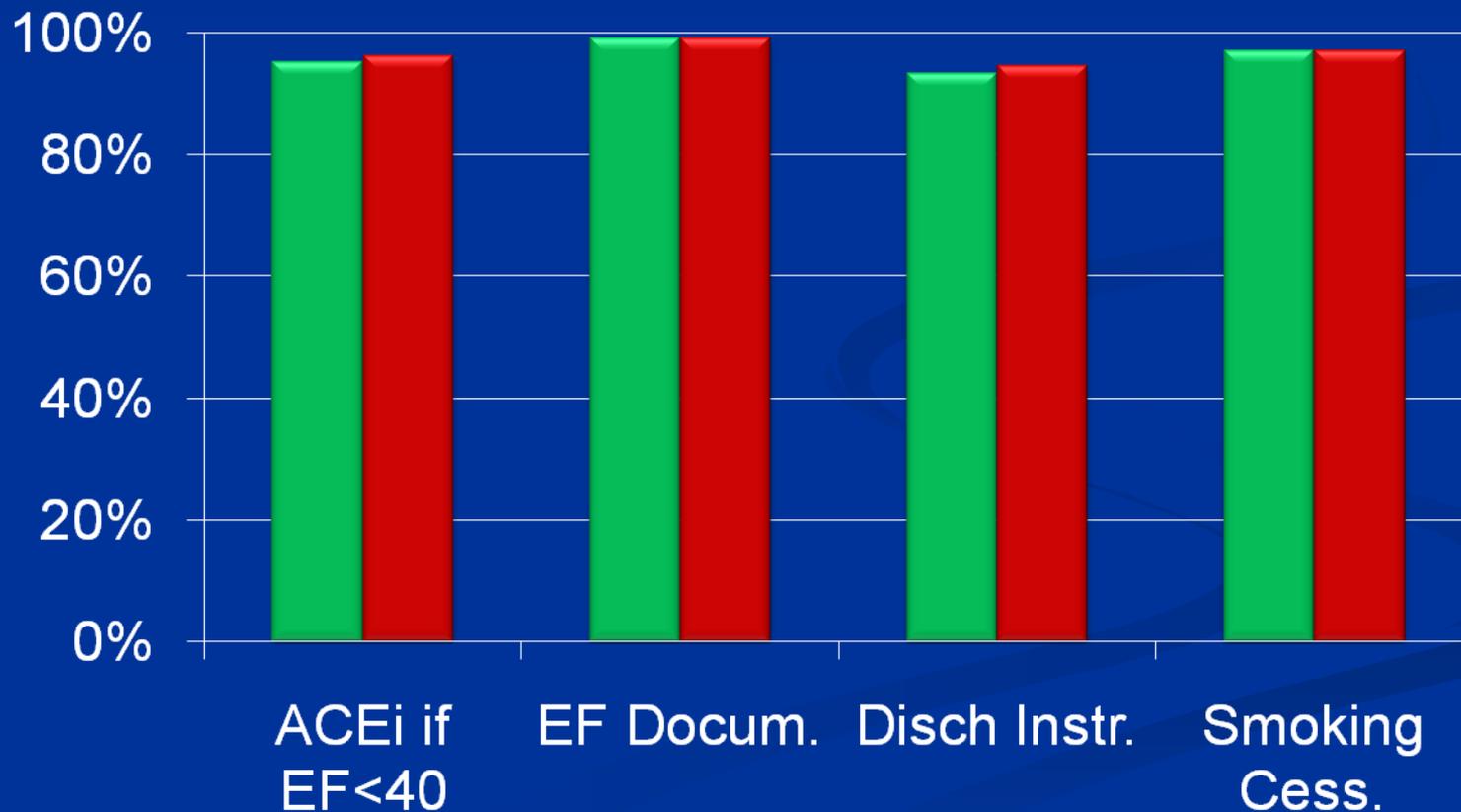
■ Joined H2H ■ Did not Join H2H



Baseline Process of Care and Joining H2H

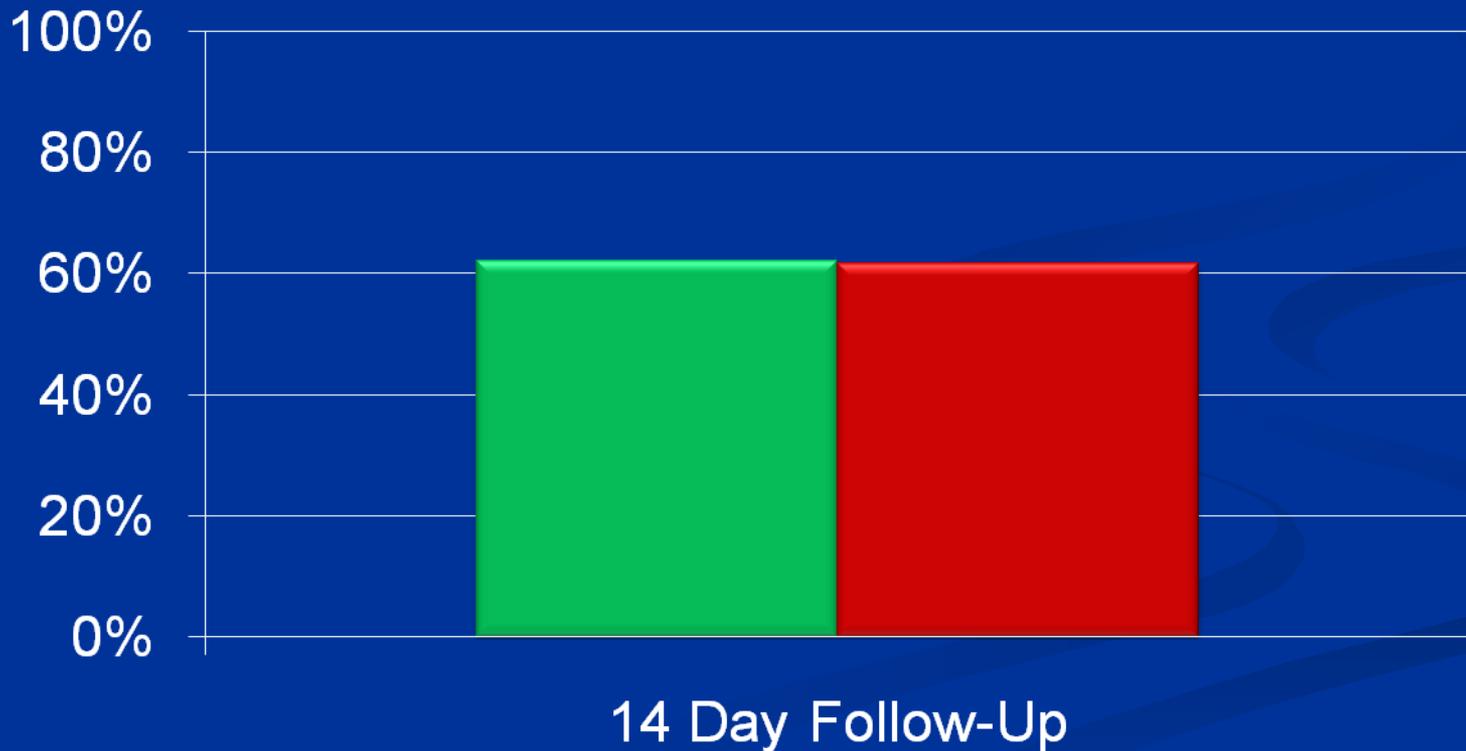
■ Joined H2H ■ Did not Join H2H

All P=NS



Baseline Follow-up and H2H Participation

■ Joined H2H ■ Did not Join H2H



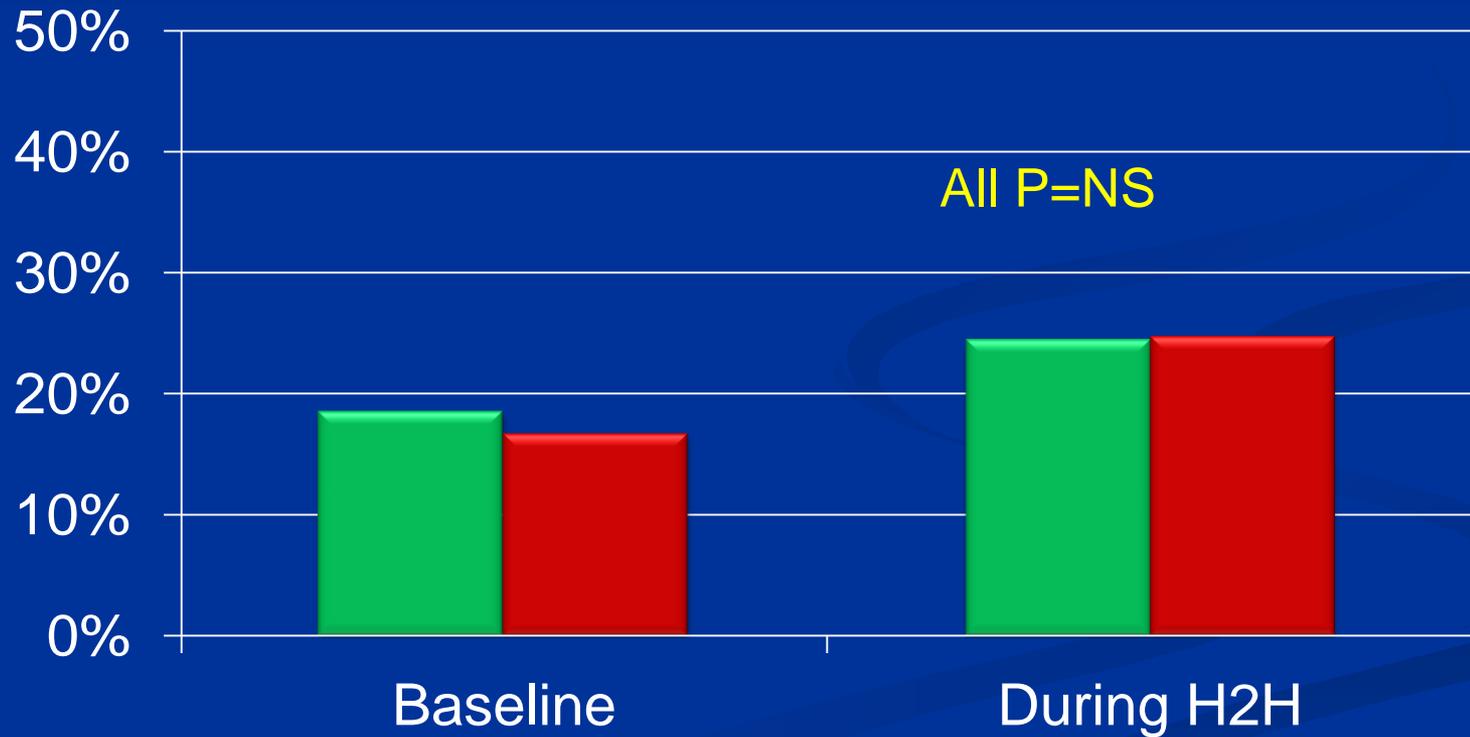
H2H

- A majority of VA hospitals have enrolled in H2H
 - Larger, academic facilities more likely to enroll
 - Baseline care appears similar
- Enrollment and project development was enhanced through the use of an existing provider network
 - 30% of hospitals had ongoing projects
 - 20% have started a project due to H2H
 - 10% planned to start

7 Day Follow-Up

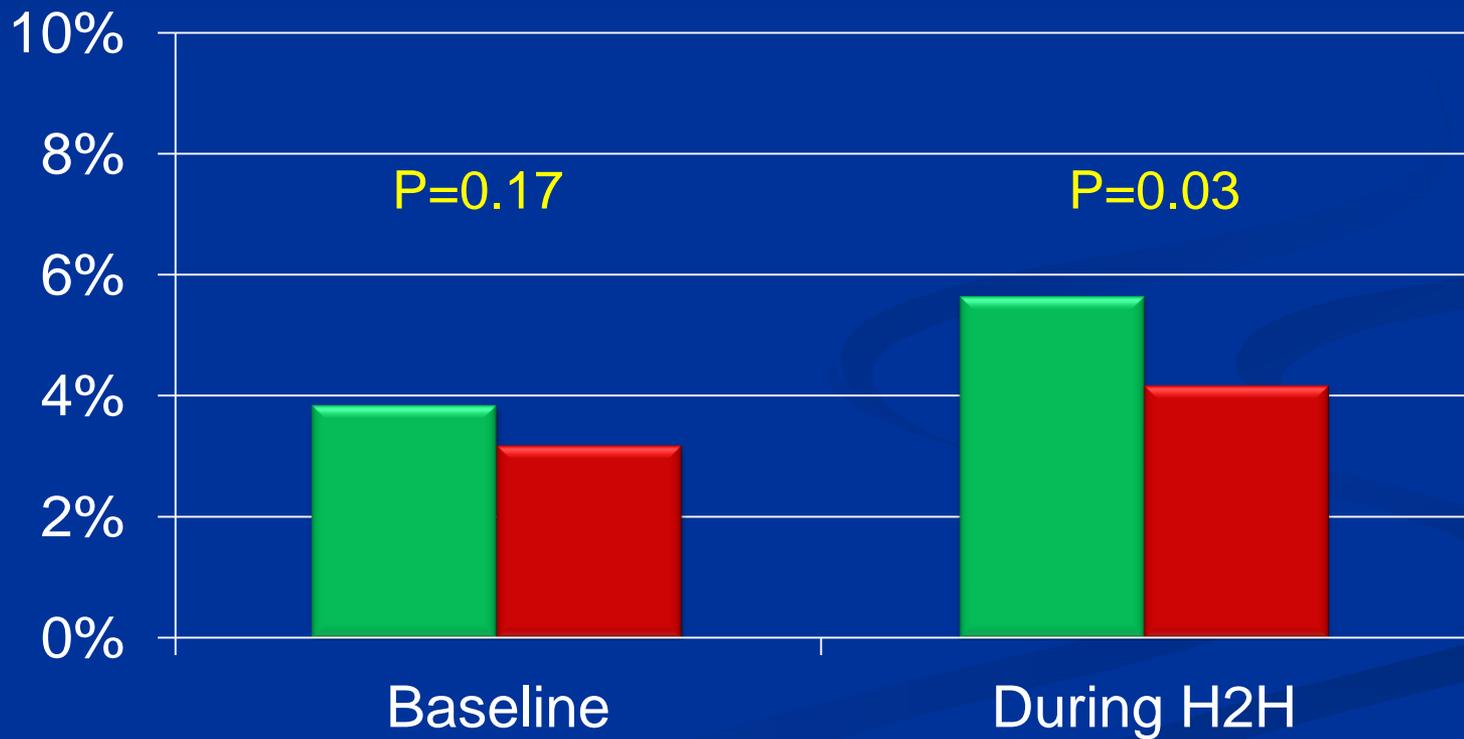
Any Face to Face Clinic Visit

■ Joined H2H ■ Did not Join H2H



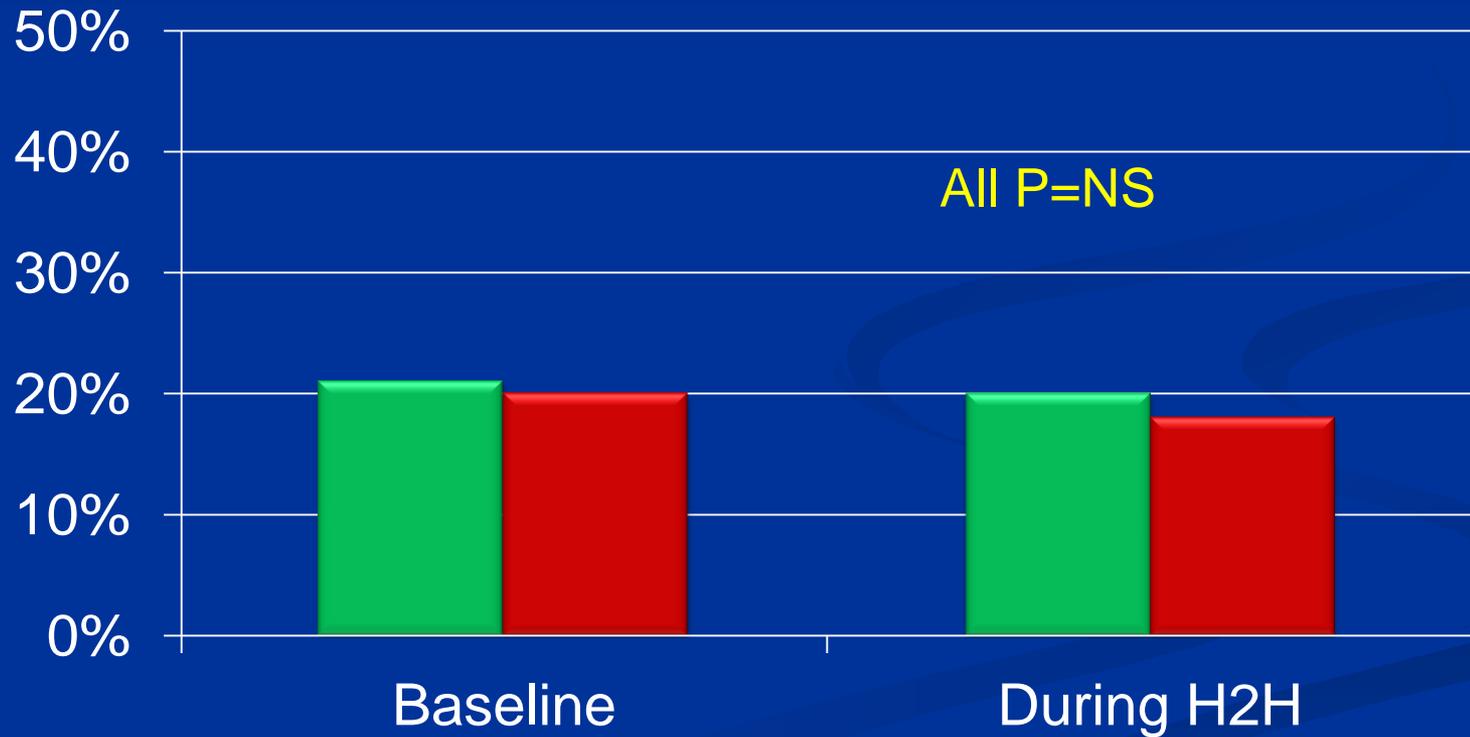
7 Day Follow-Up Cardiology Clinic Visit

■ Joined H2H ■ Did not Join H2H



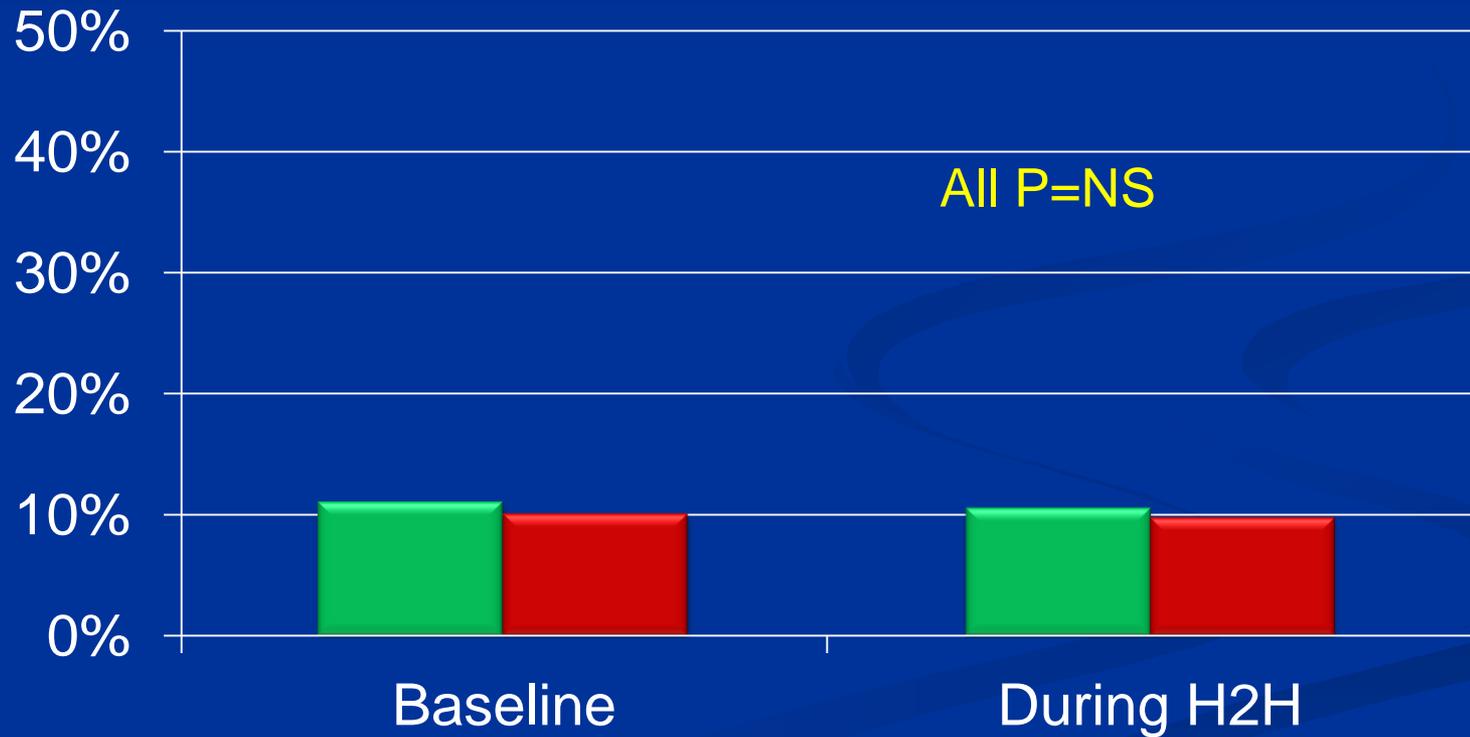
30 Day Readmission Rate All Cause

■ Joined H2H ■ Did not Join H2H



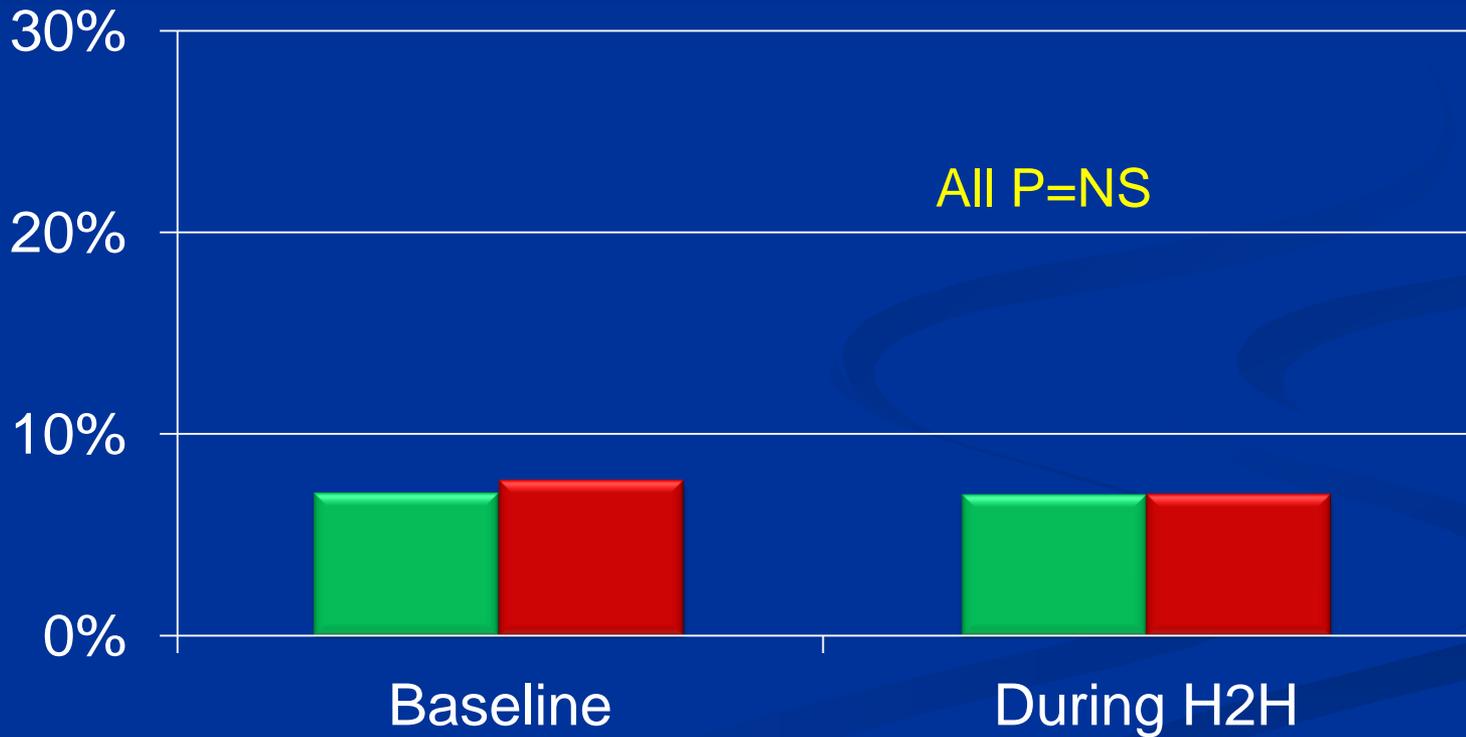
30 Day Readmission Rate Heart Failure Principal Dx

■ Joined H2H ■ Did not Join H2H



30 Day Mortality Rate

■ Joined H2H ■ Did not Join H2H



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Hospital Compare

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+ View Your Results on a Map and Get Driving Directions

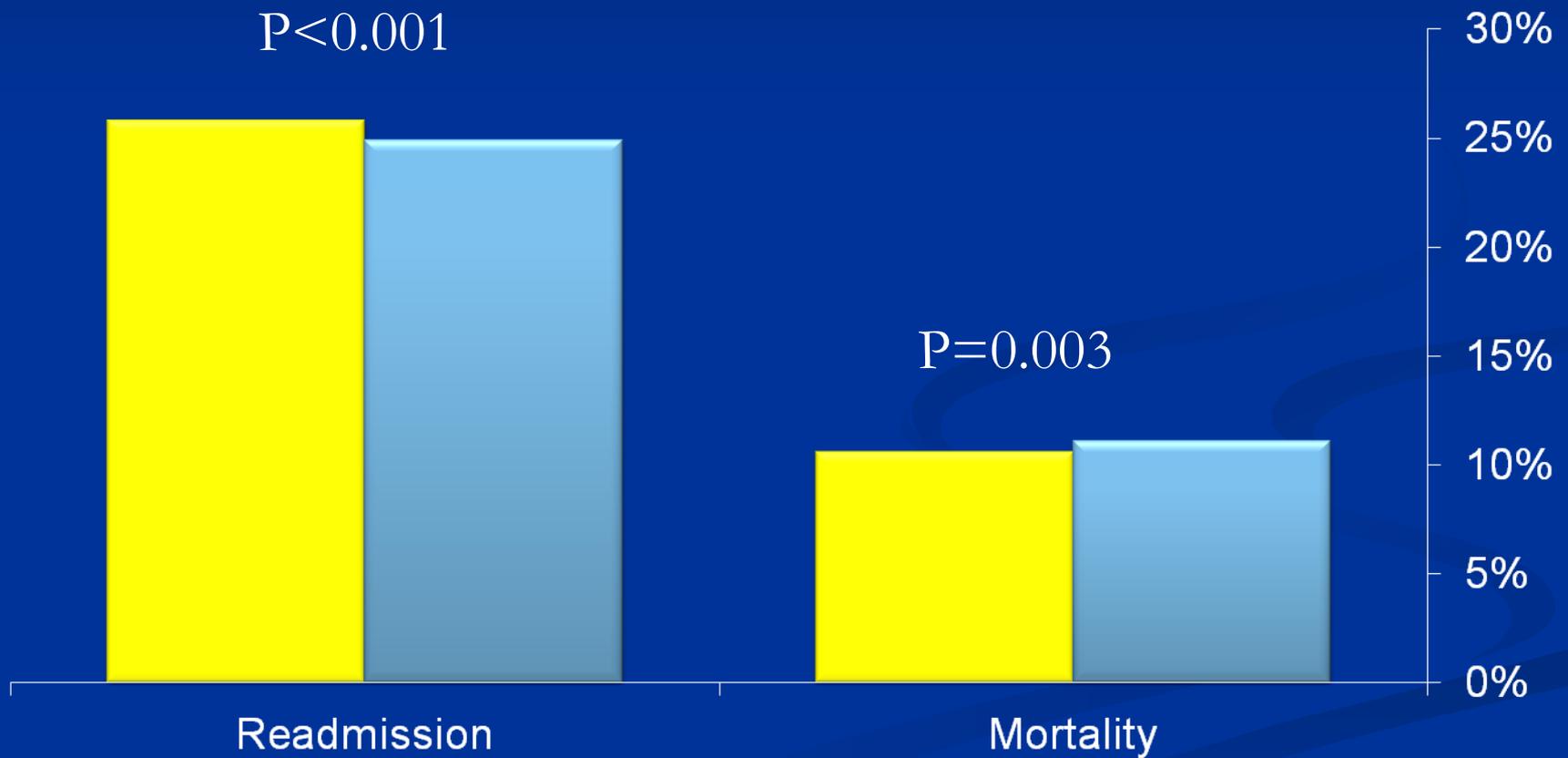
General Information

Quality of Care

Medicare Payment & Volume Data

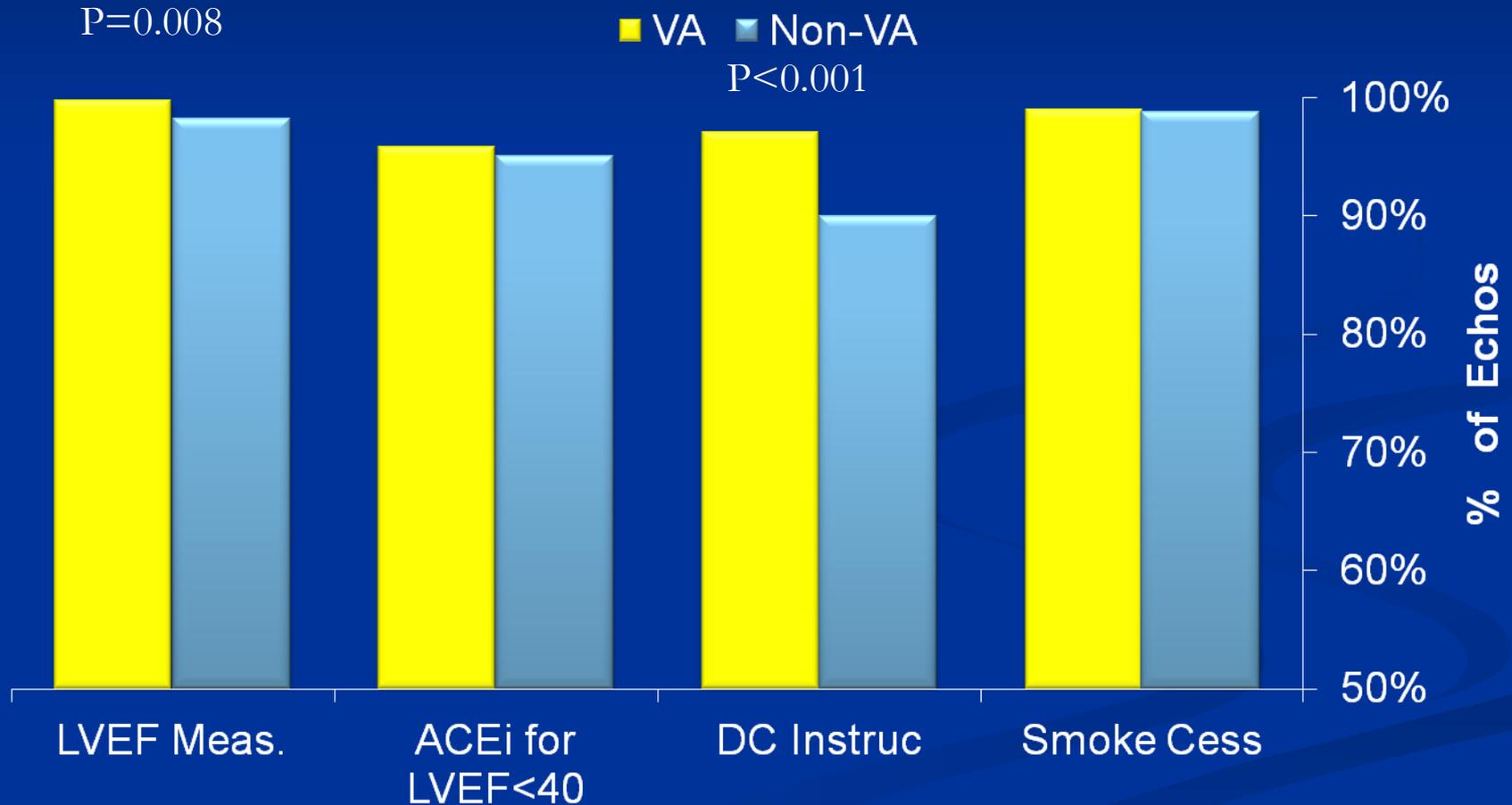
Outcome: Heart Failure

■ VA ■ Non-VA



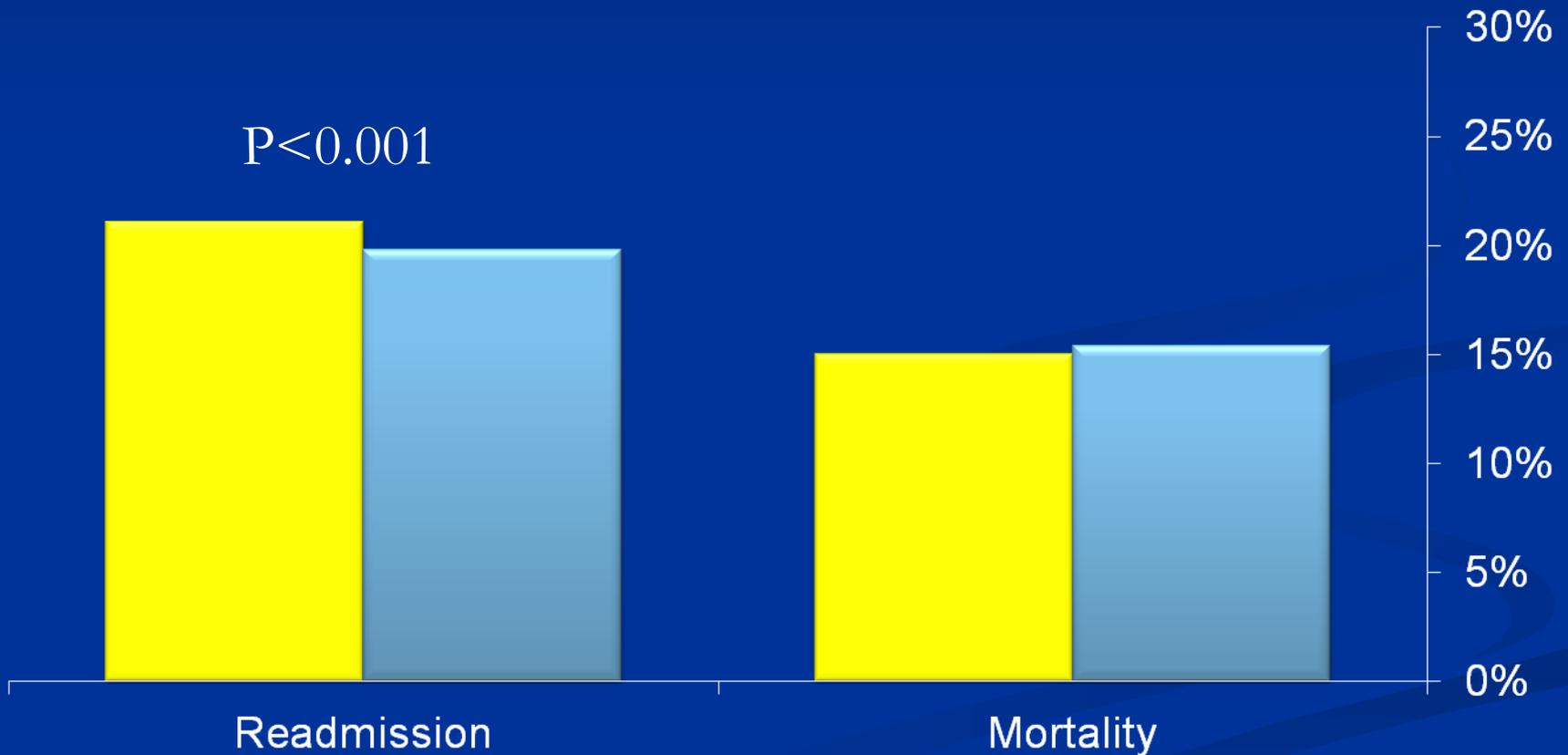
30 Day Outcome

Current Inpatient HF Process of Care



Outcome: Myocardial Infarction

■ VA ■ Non-VA



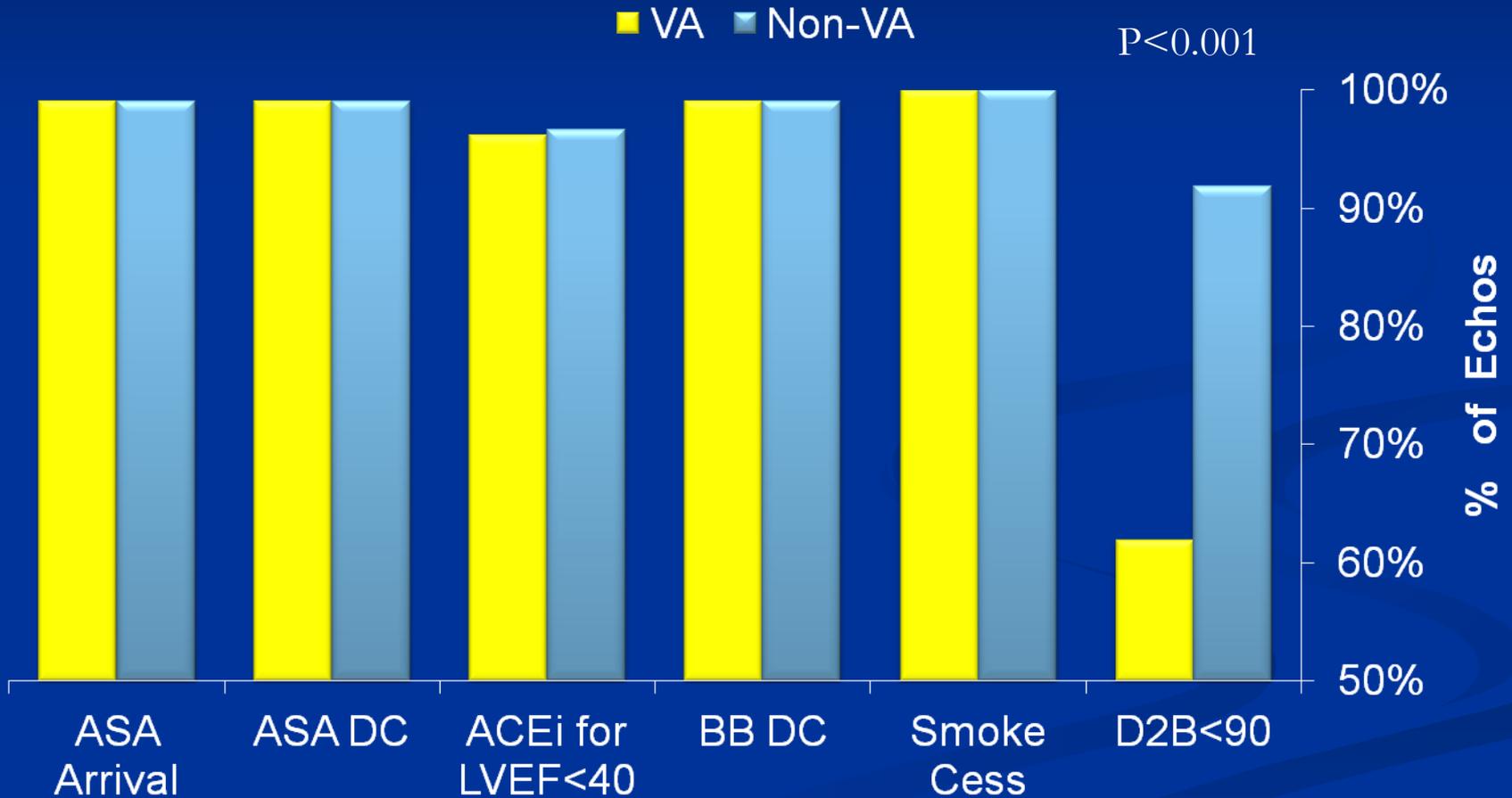
$P < 0.001$

Readmission

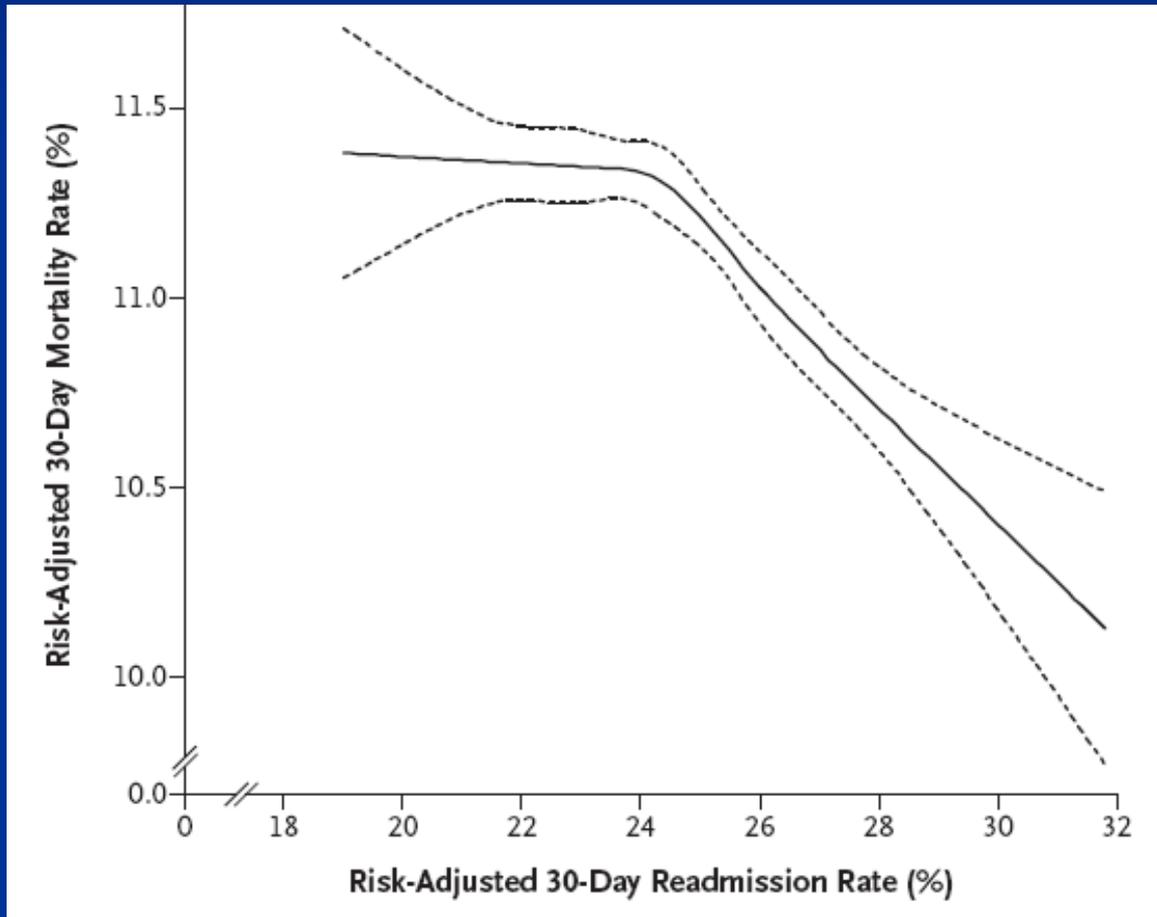
Mortality

30 Day Outcome

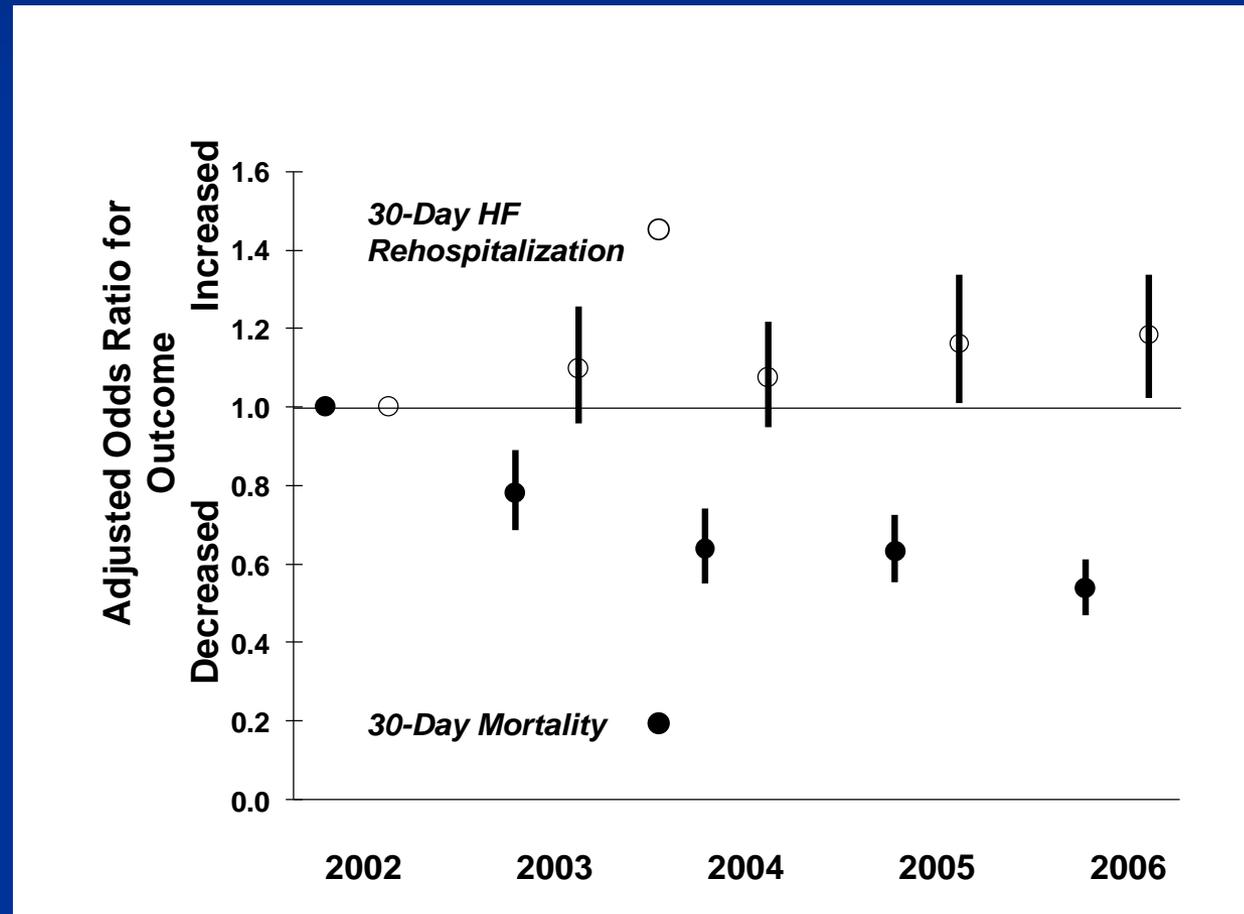
AMI Process of Care



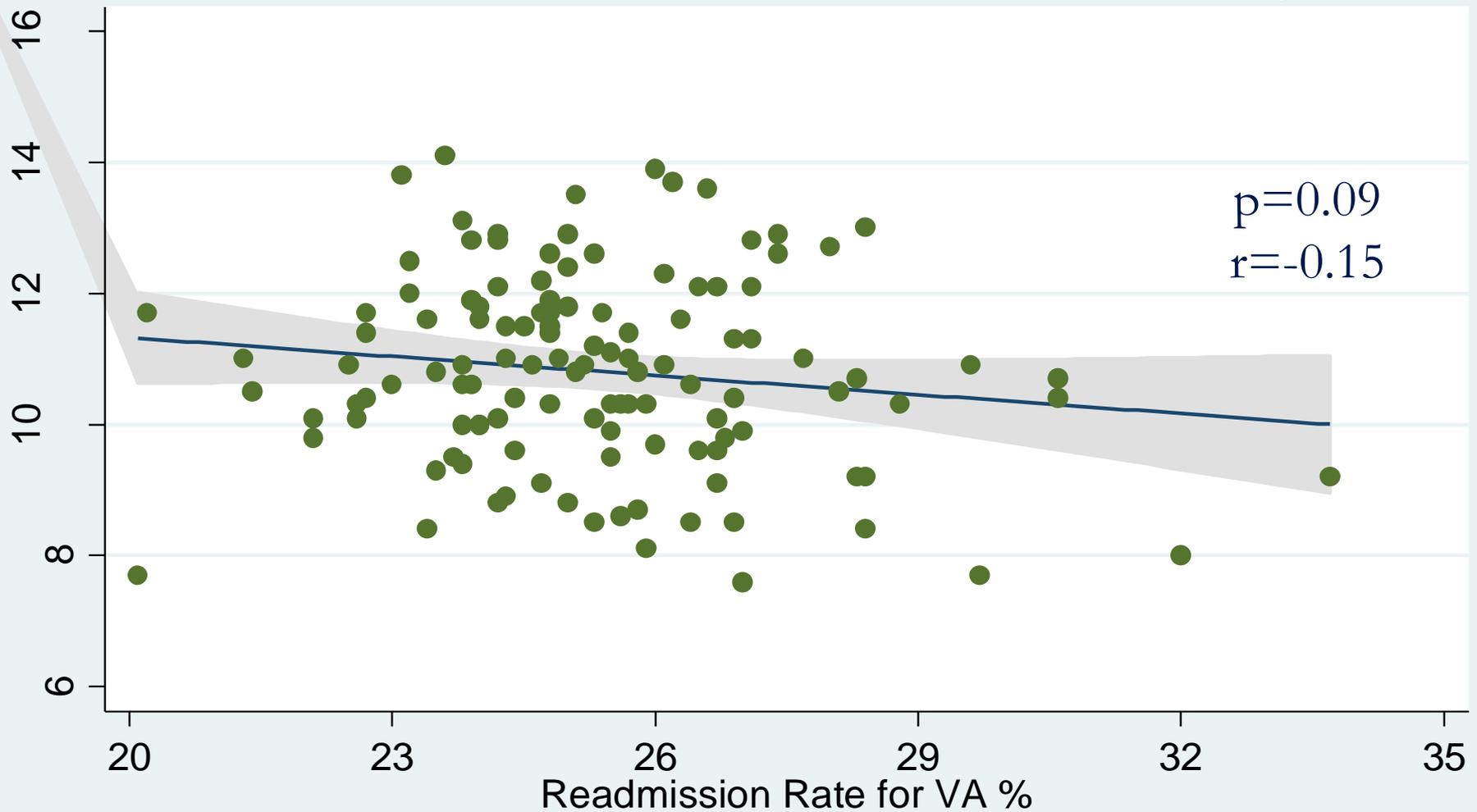
Heart Failure Mortality and Readmissions: 4000+ US Hospitals



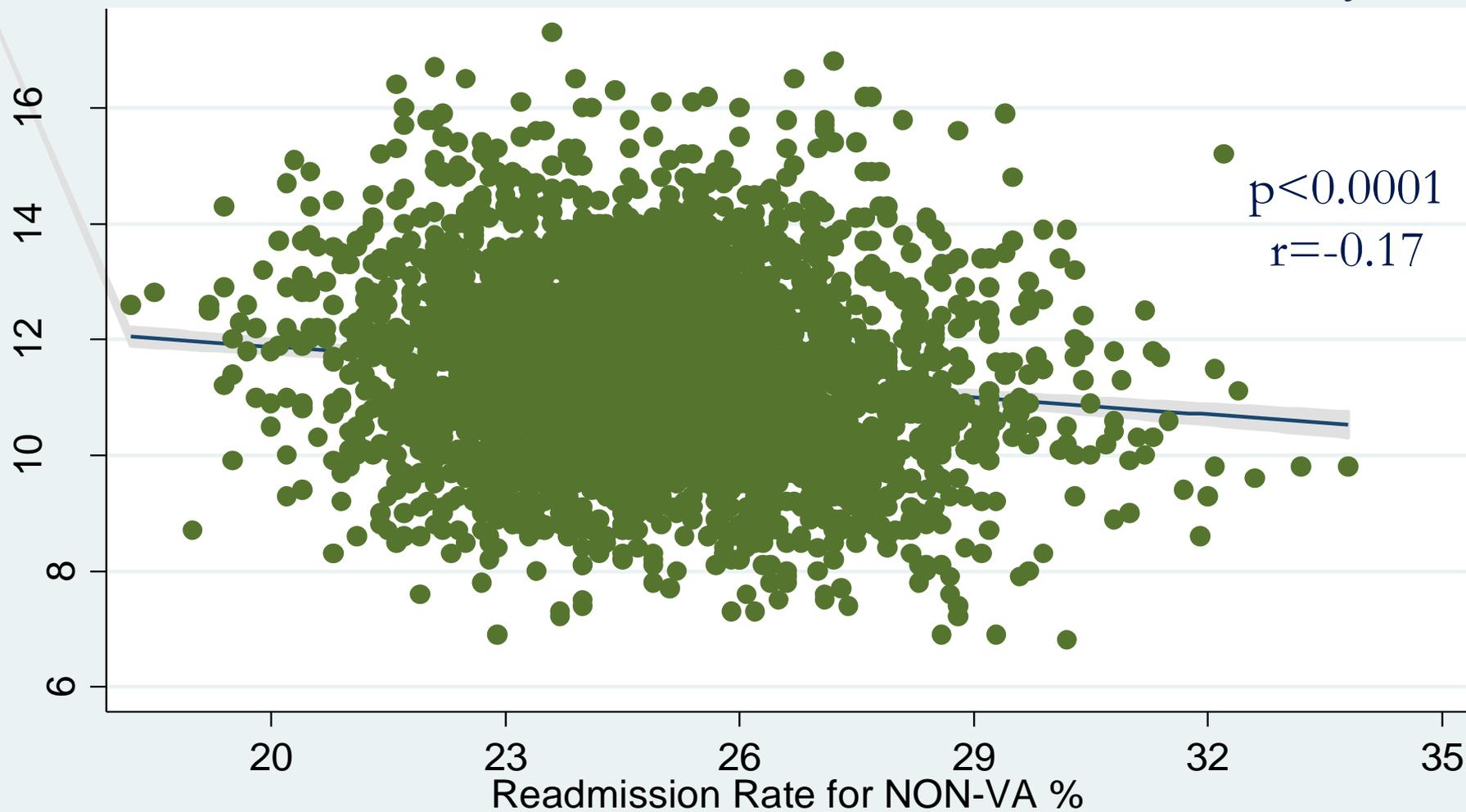
VA Heart Failure Mortality Declining While Readmissions are Rising



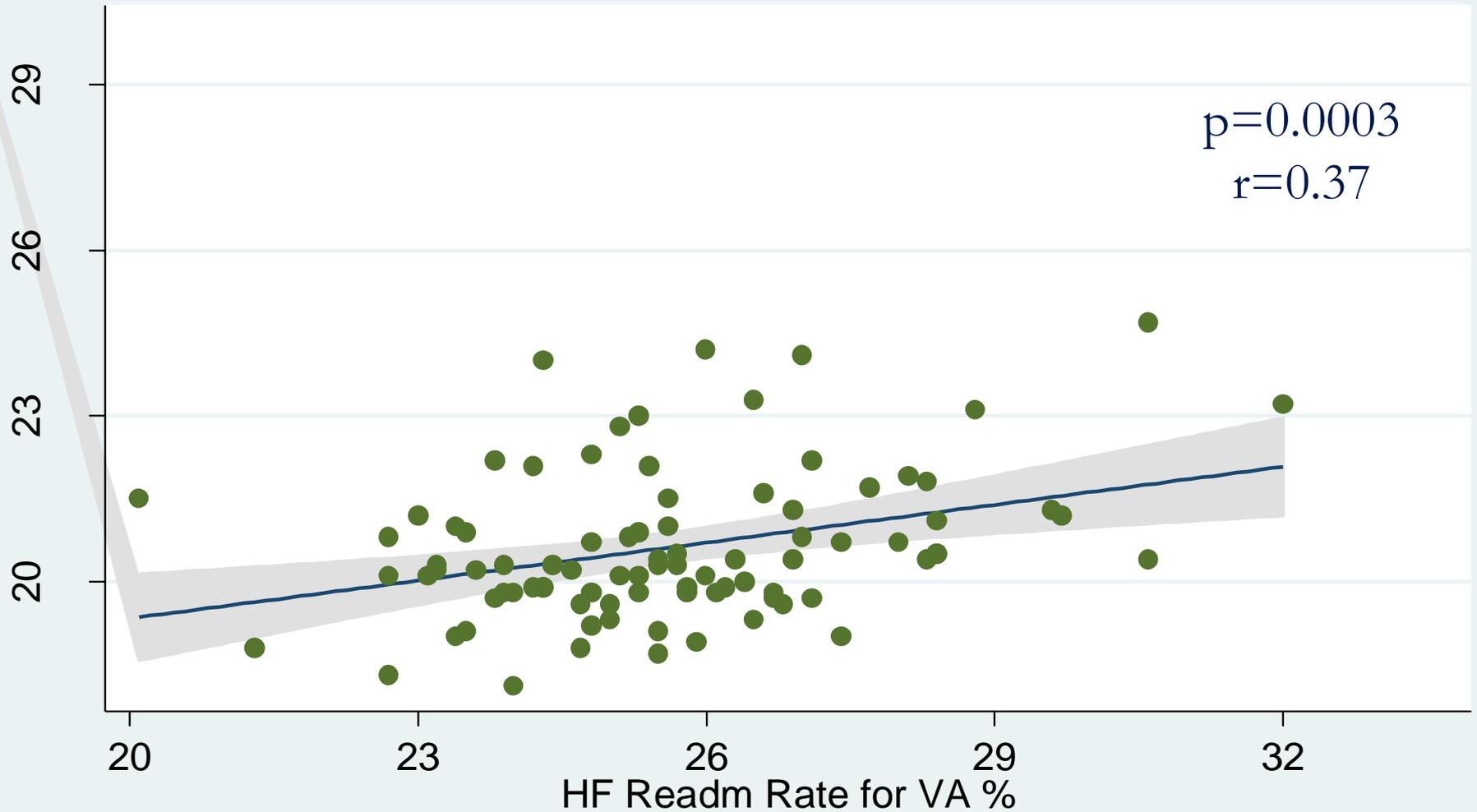
VA Heart Failure Readmission vs Mortality



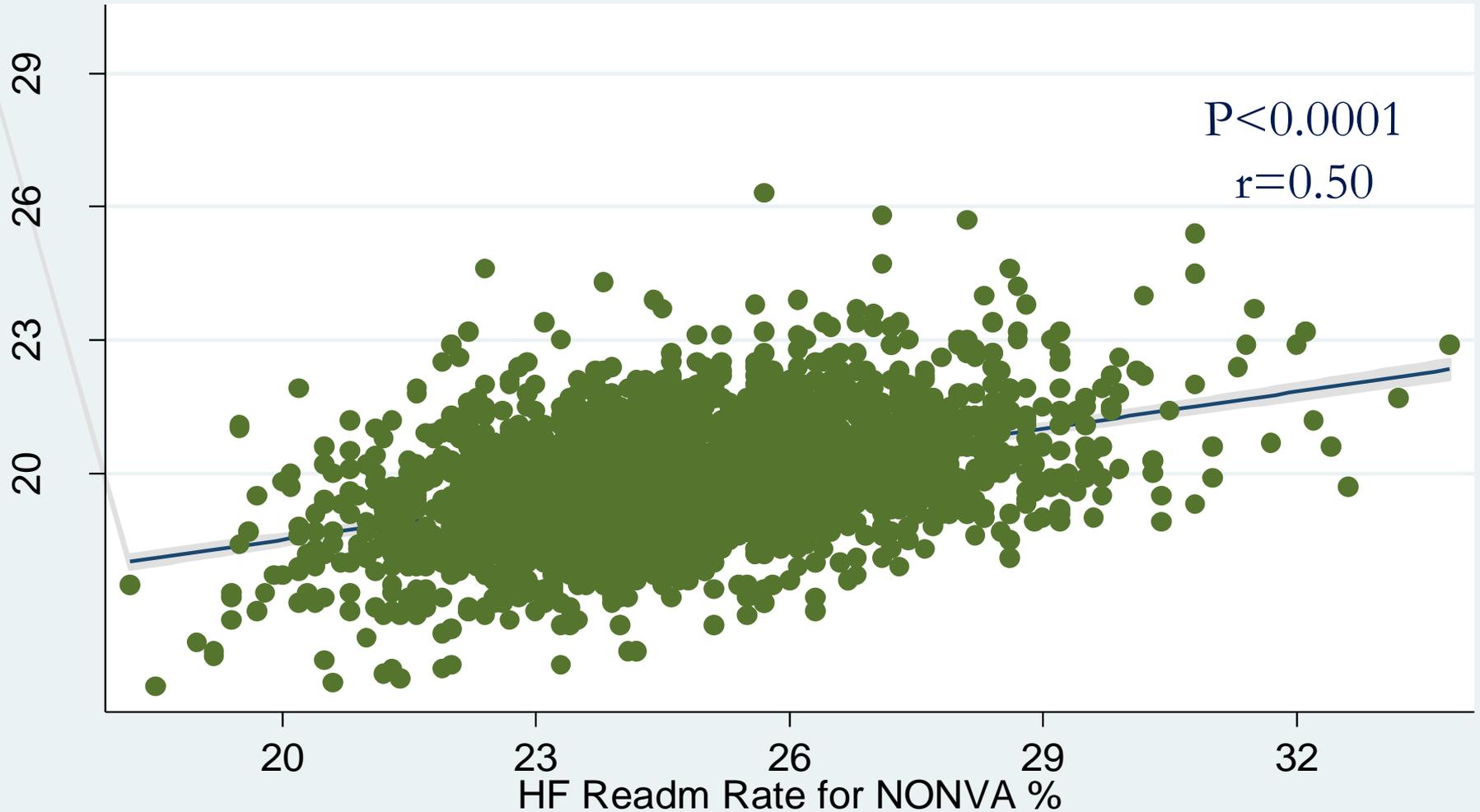
NON VA Heart Failure Readmission vs Mortality



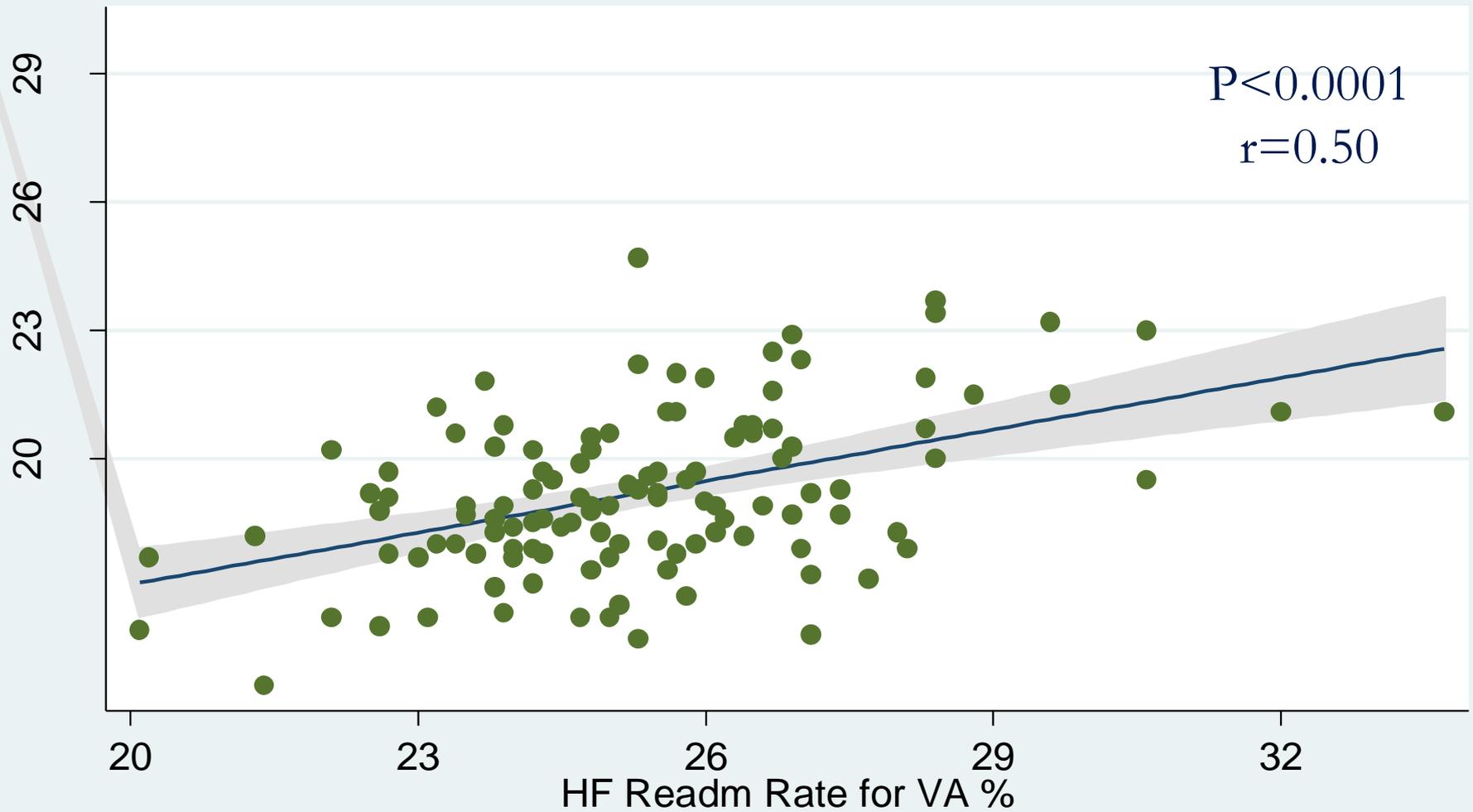
VA Heart Failure vs AMI Readmission



NONVA Heart Failure vs AMI Readmission

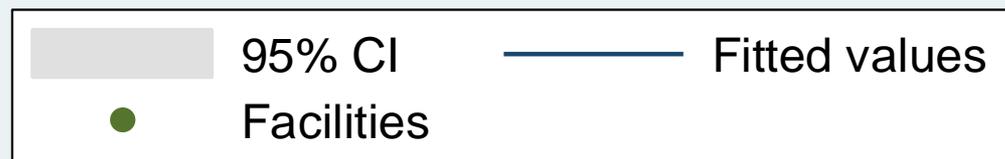
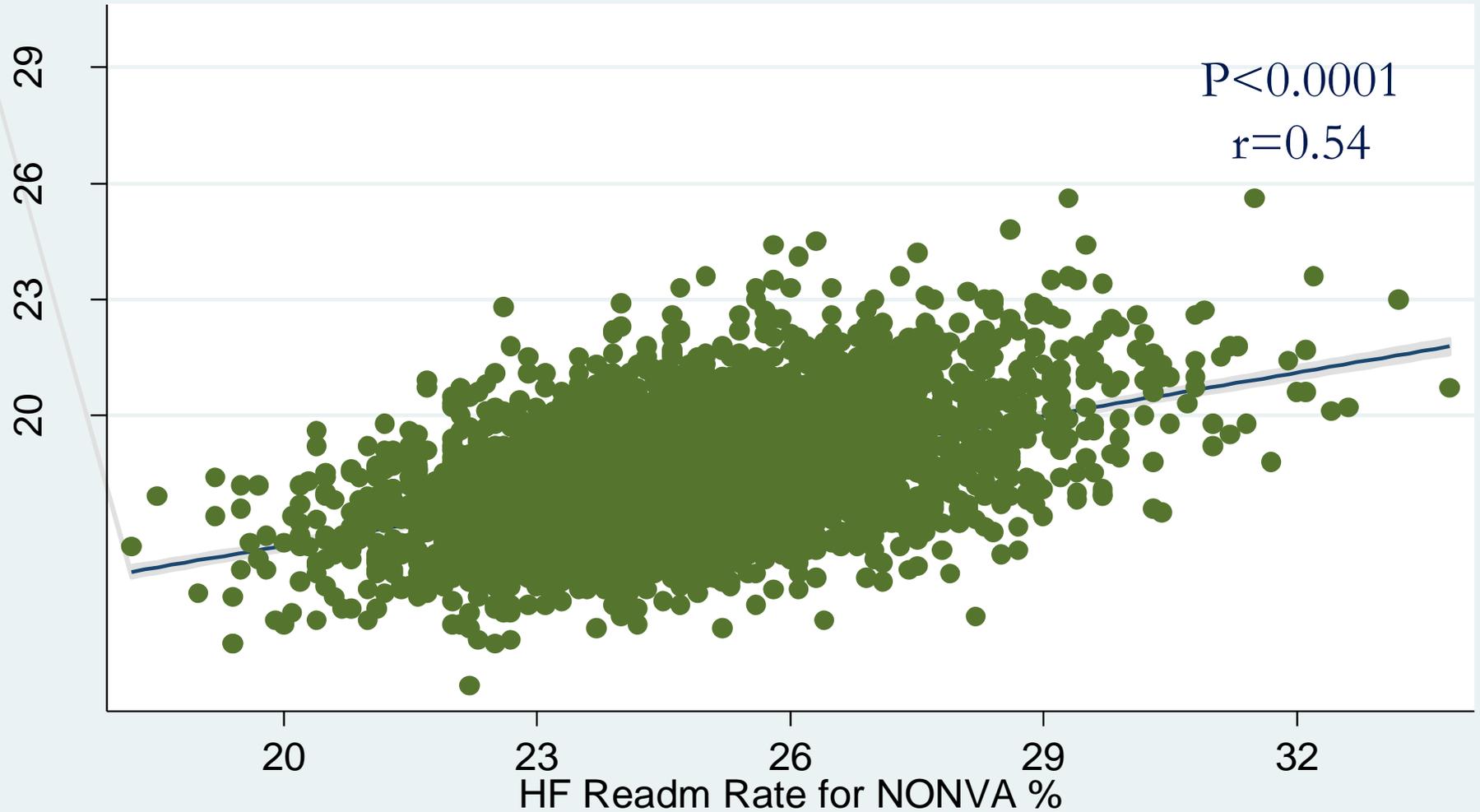


VA Heart Failure vs PNA Readmission

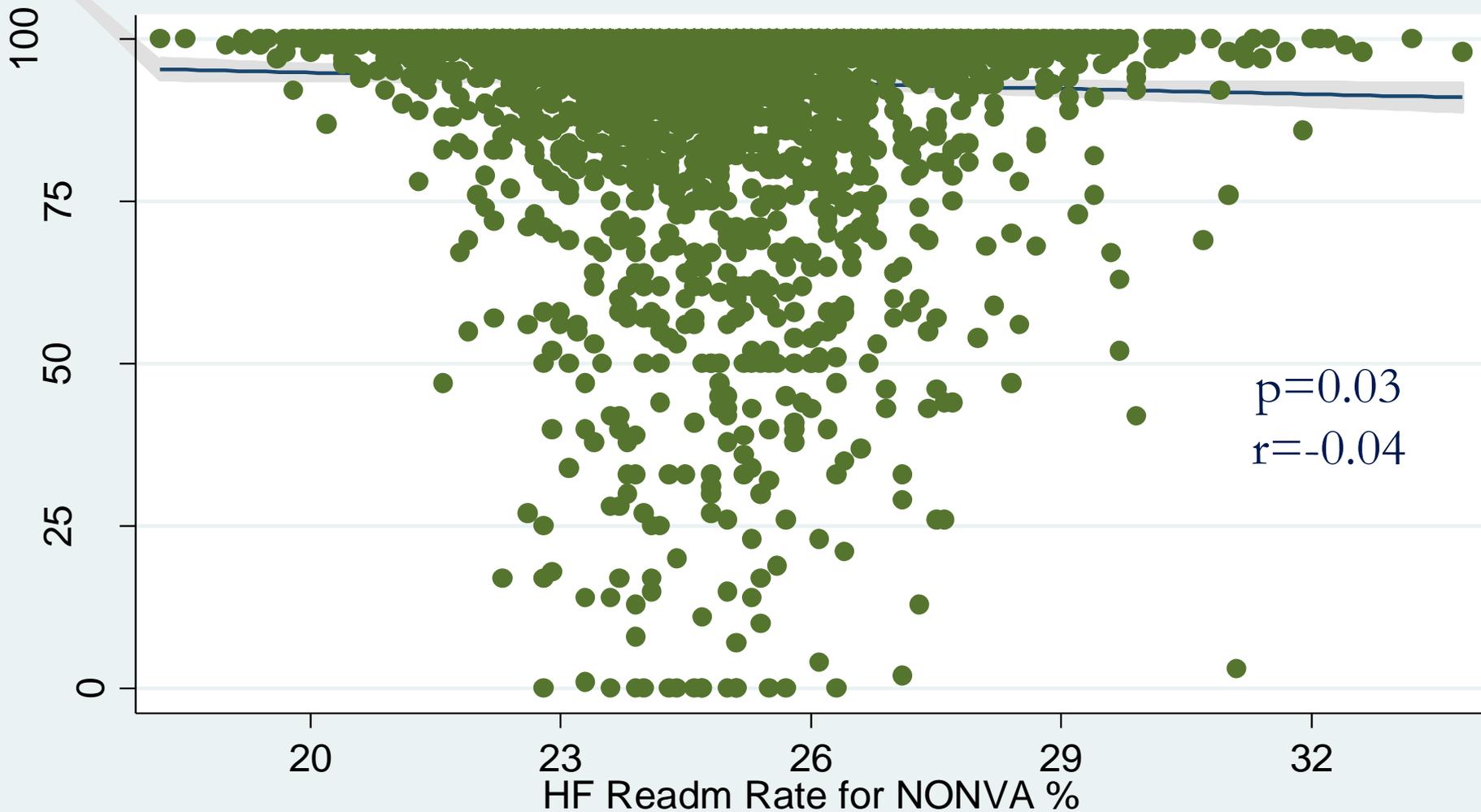


95% CI Fitted values
● Facilities

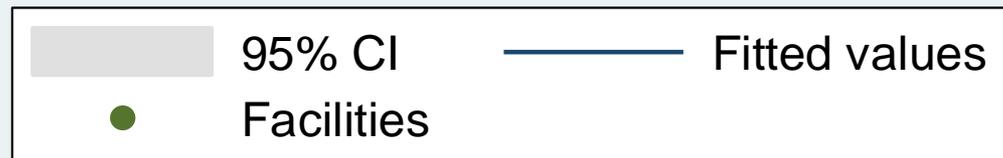
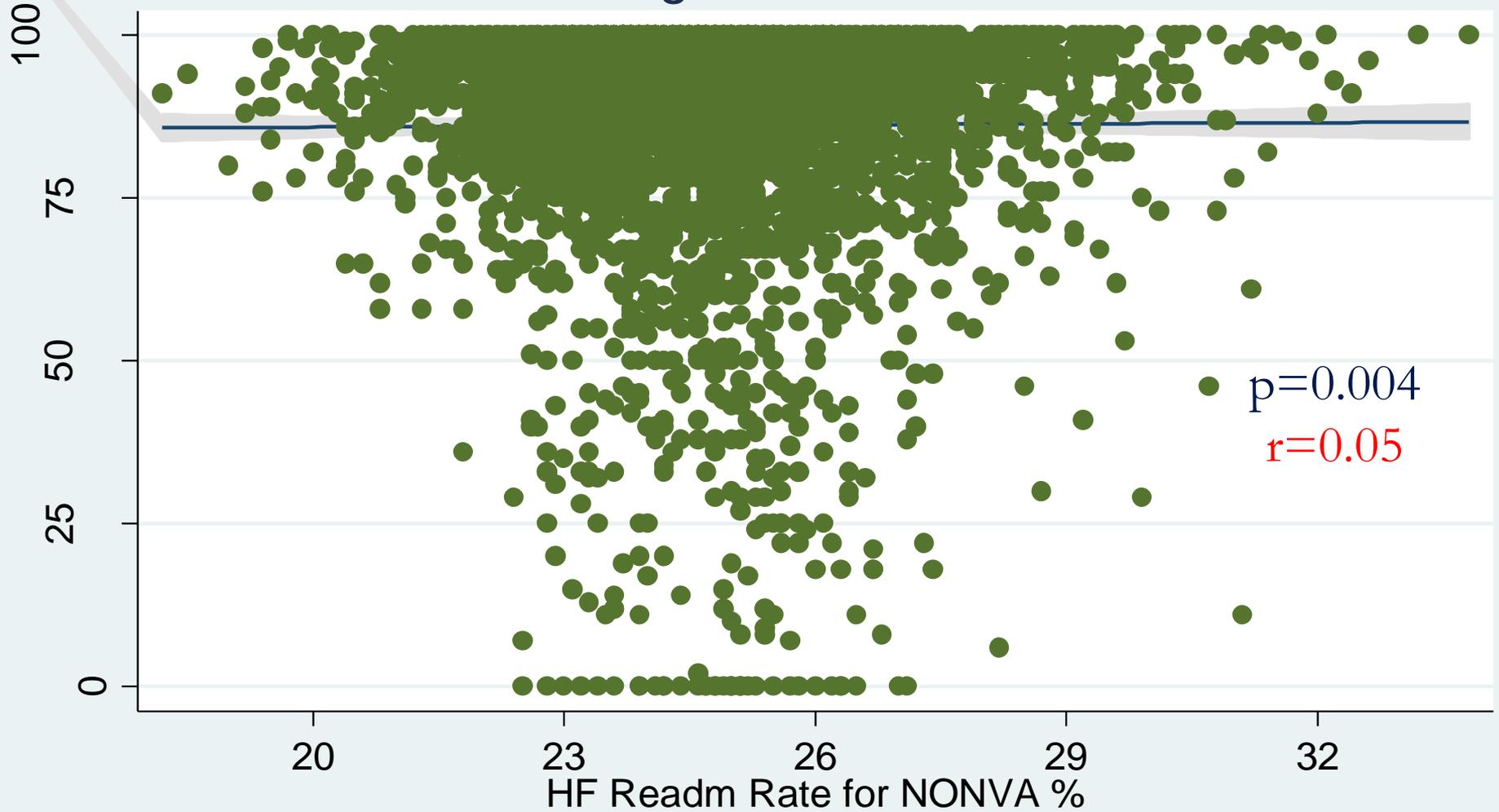
NONVA Heart Failure vs PNA Readmission



NONVA LVEF Measured and Readmission



NONVA Discharge Instruct. and Readmission



Hospital Compare

- 30-day Readmission and Mortality publically reported
- No outcome performance measure for the VA
- What outcome measure could work?

Future of Specialty Care

- How should cardiology interact with PACTs?
- E consults
- Telemedicine
- SCAN-Echo