

Quality Performance Measures in Cardiology: What are they and how are we doing in Rhode Island?

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Quality Definition

- Insurer/payor
 - CMS
 - Insurance company
- Care provider
 - Hospital
 - Group
 - Physician/LIP

Definition

- Process based
- Outcomes based
- Guideline driven
 - Level of data supporting the guideline

Sources of Information

- Public domain
 - CMS data
 - www.Hospitalcompare.org
 - www.Whynotthebest.org
 - National registries
 - ACC - NCDR, Carotid stenting, Pinnacle
- Private domain
 - PQRI
 - United Health Care – Premium Physician Designation

Information Pitfalls

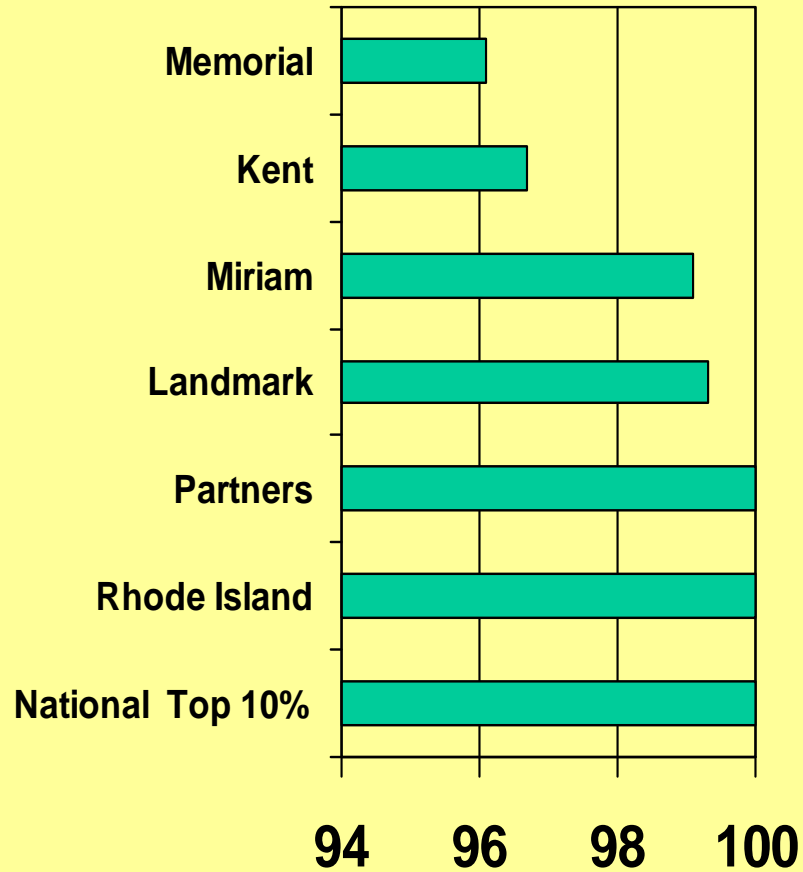
- Only as good as what is reported
 - Co-morbid conditions
 - Risk adjustment
- Understand the numerator and the denominator for the indicator
- Influence of small volume centers on outcomes

Public Indicators

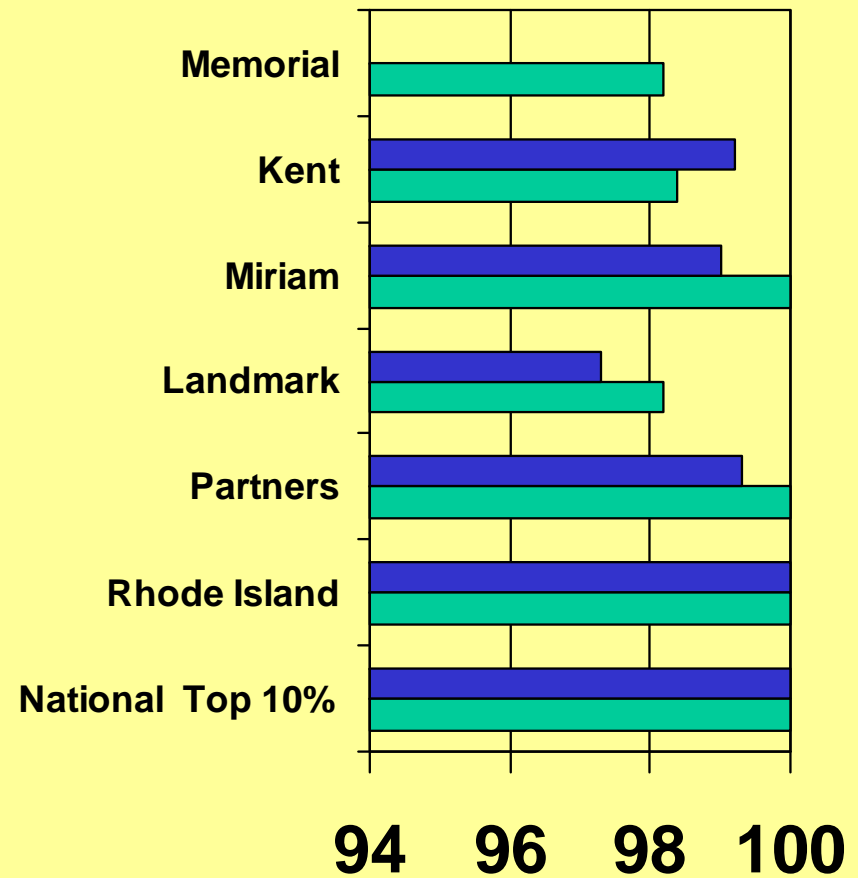
- MI
 - Smoking Cessation
 - ASA on admission
 - Discharge meds
 - Aspirin
 - Beta blockers
 - ACE/ARB for LV dysfunction
 - Door to balloon time
 - 30 day mortality
 - 30 day readmits
 - Composite score
- CHF
 - ACE/ARB for LV dysfunction
 - Smoking cessation
 - Assess LV dysfunction
 - Discharge instructions
 - 30 day mortality
 - 30 day readmits
 - Composite score

MI Indicators

ASA at Arrival



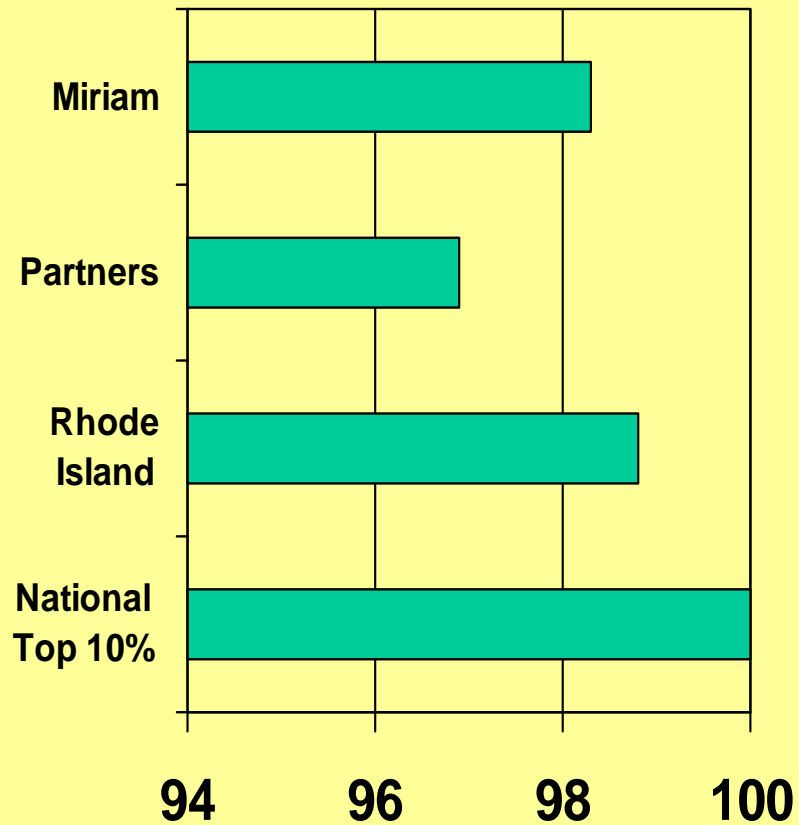
Discharge Medications



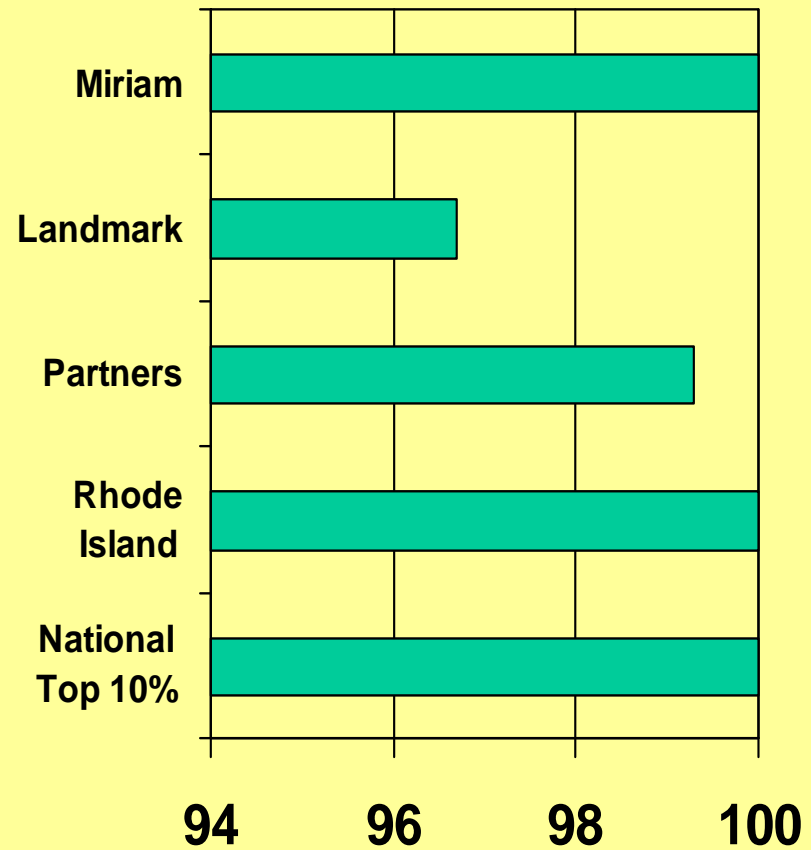
ASA Beta-blocker

MI Indicators

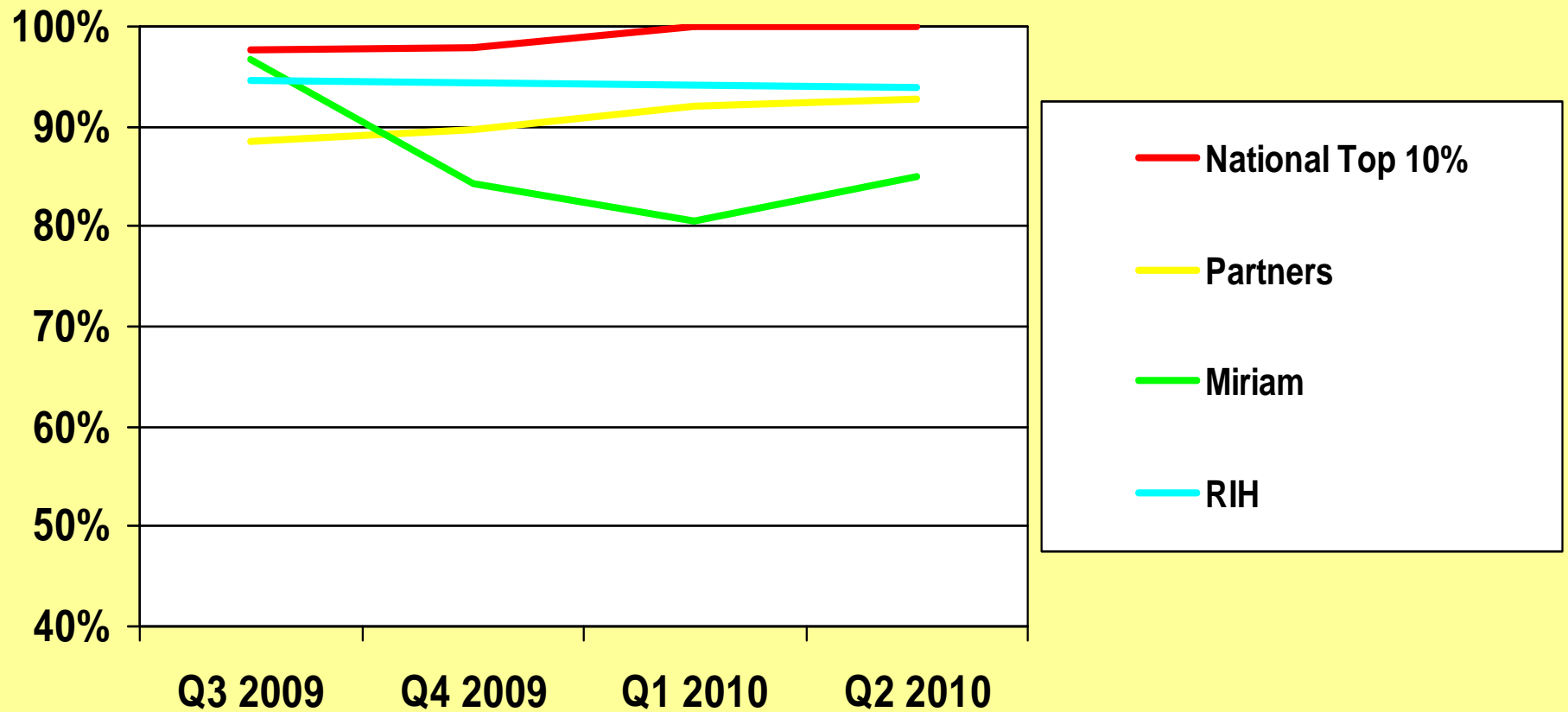
ACE or ARB at Discharge



Smoking Cessation



Door to Balloon <90 minutes

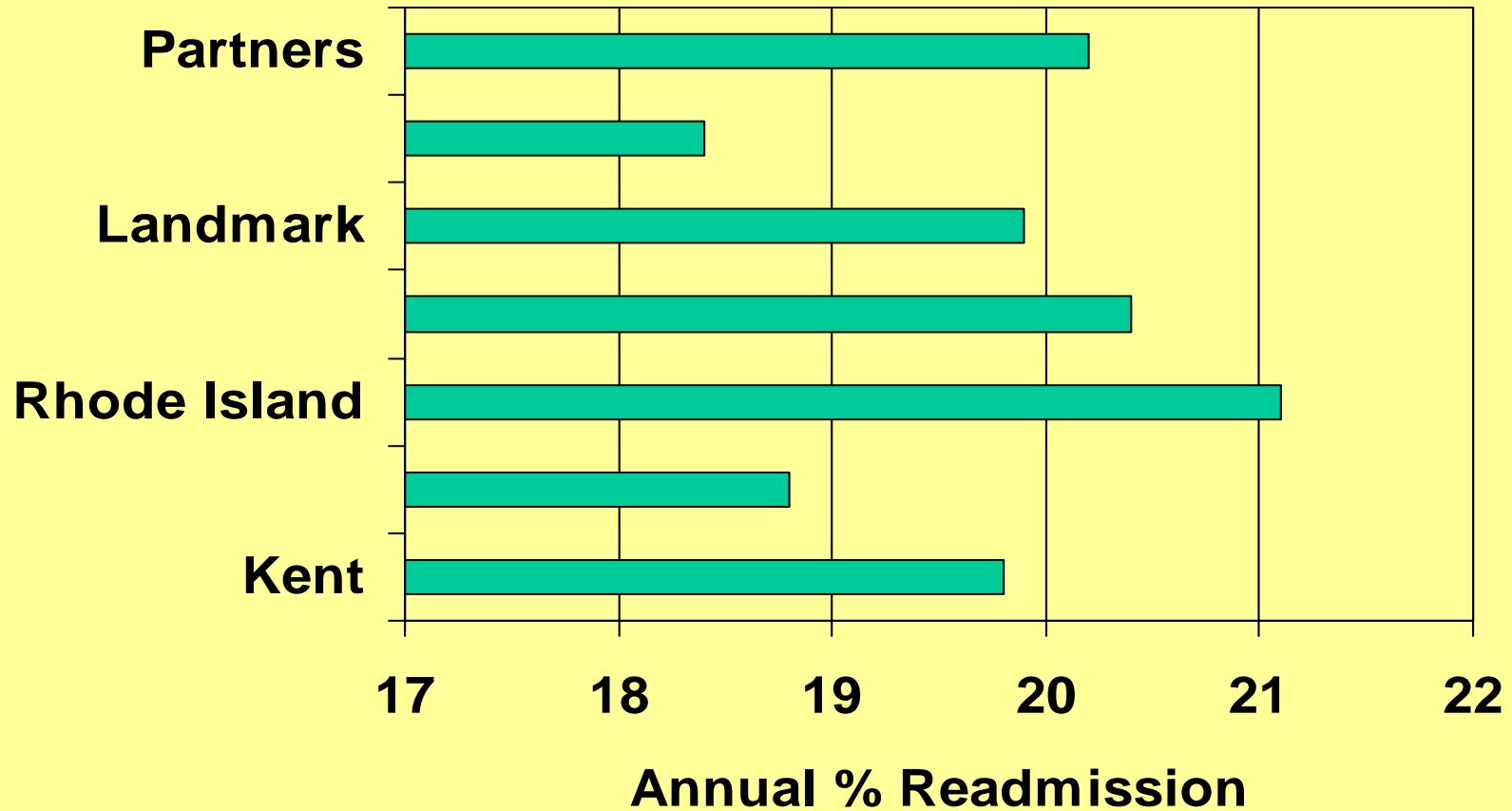


MI Mortality Data AHRQ

	Observed	Expected	O/E ratio
Kent	8.8	4.8	1.83
Miriam	4.1	5.8	0.71
Rhode Island	5.3	5.9	0.89
Memorial	14.7	8.0	1.84
Landmark	11.8	9.9	1.19

Mortality rate unchanged for last 5 years data

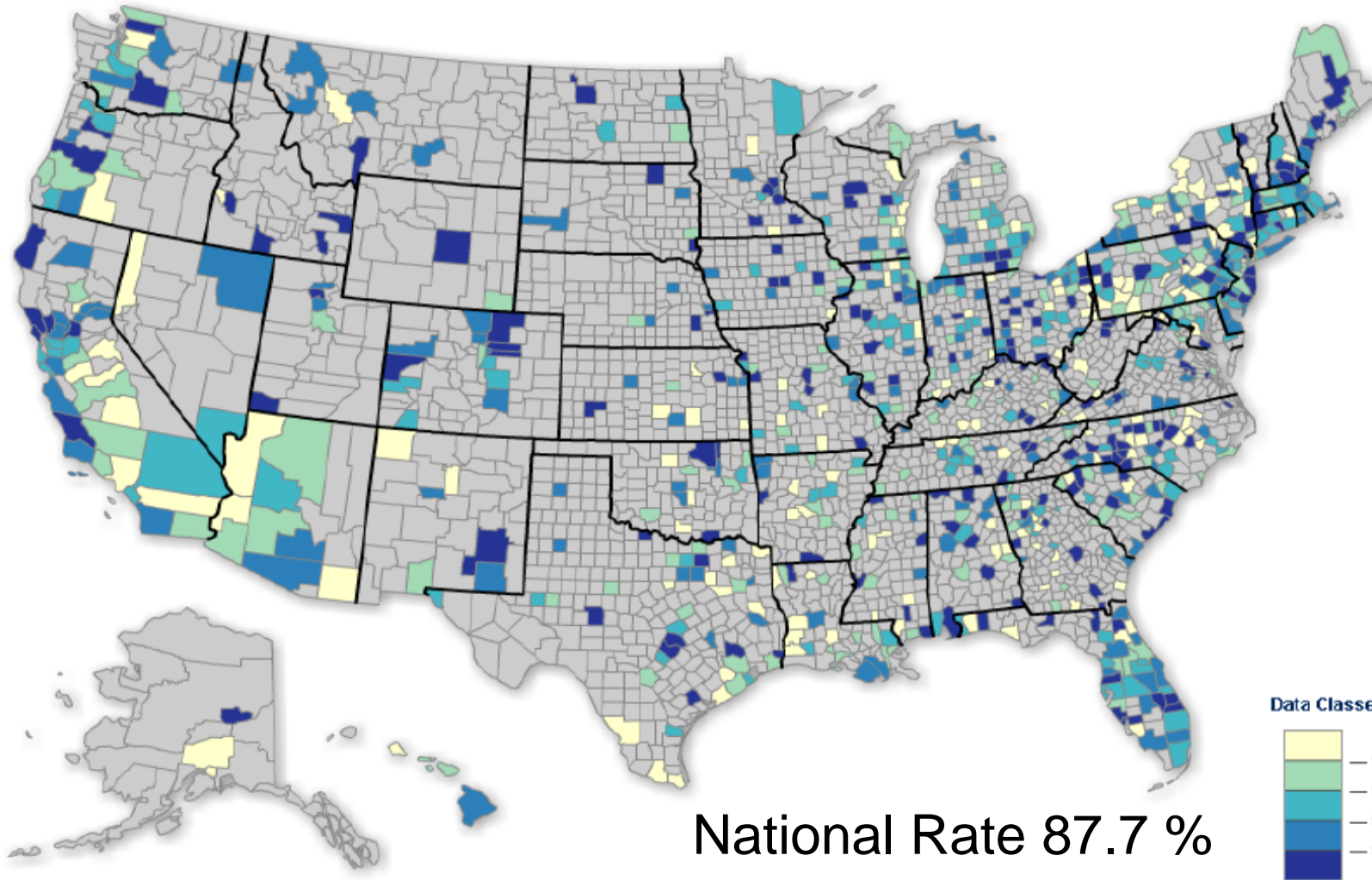
MI Readmission Data



Readmission rate unchanged for last 5 years data

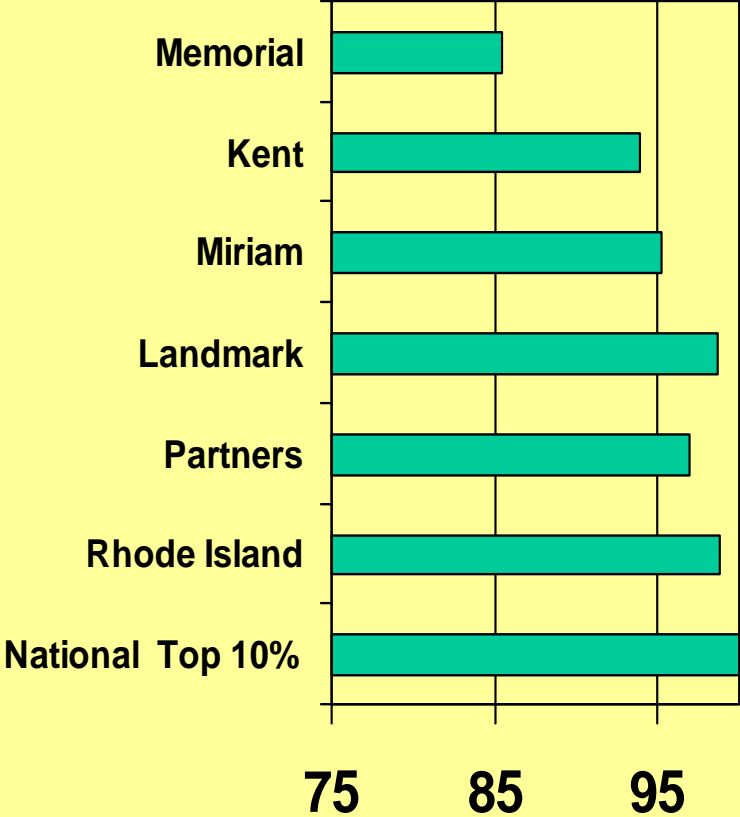
Composite MI

Reporting Date Range: 2009-10-01 to 2010-09-30

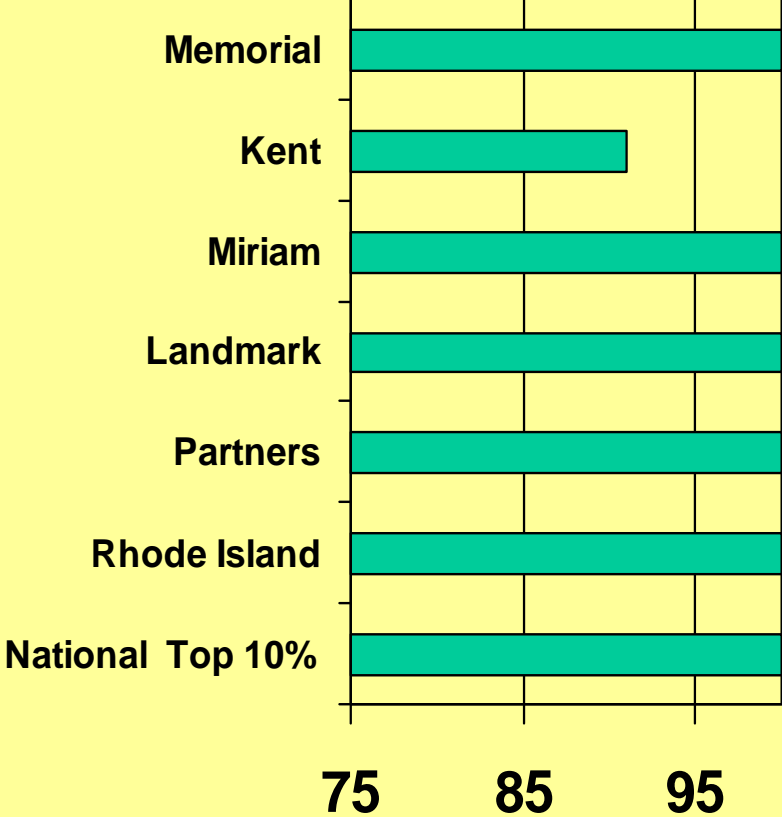


CHF Indicators

ACE or ARB at Discharge

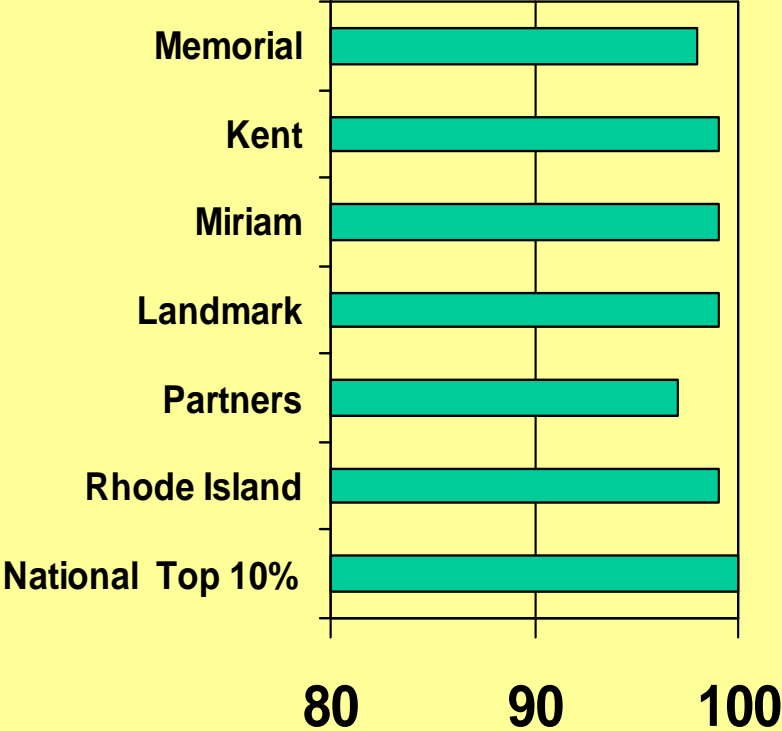


Smoking Cessation

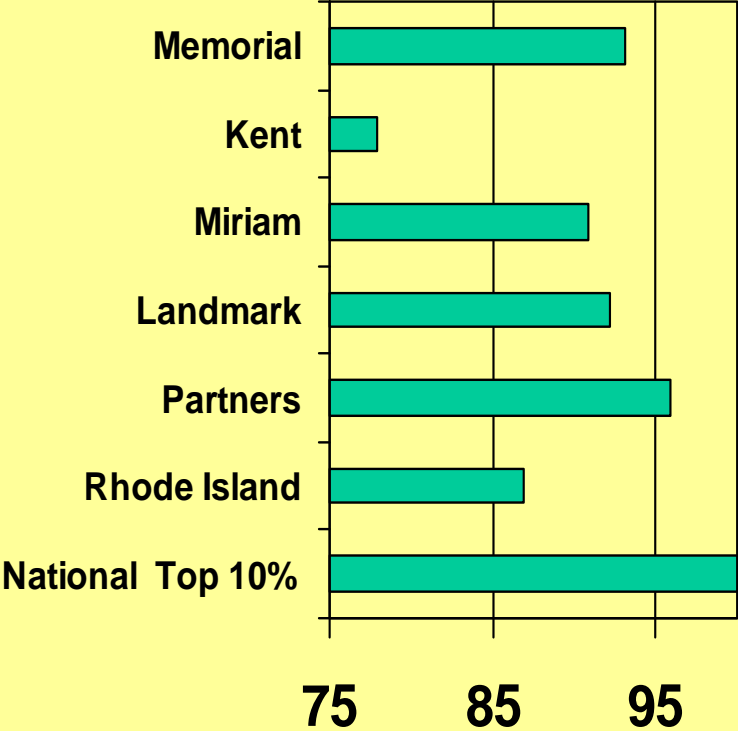


CHF Indicators

Assess LV Dysfunction



Discharge Instructions

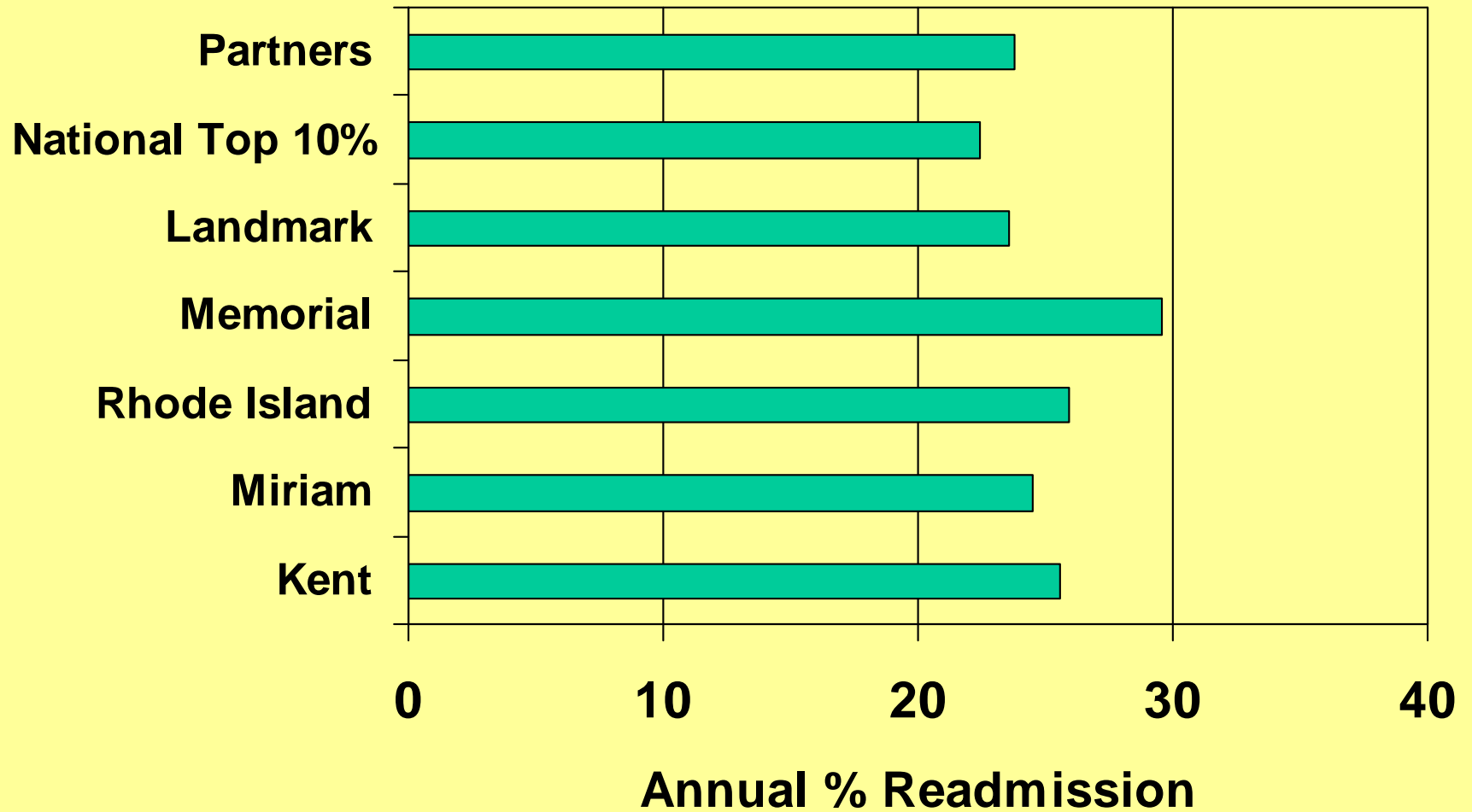


CHF Mortality Data AHRQ

	Observed	Expected	O/E ratio
Kent	3.67	3.18	1.15
Miriam	2.5	2.15	1.16
Rhode Island	3.0	2.35	1.28
Memorial	3.5	2.77	1.26
Landmark	4.05	3.23	1.25

Mortality rate unchanged for last 5 years data

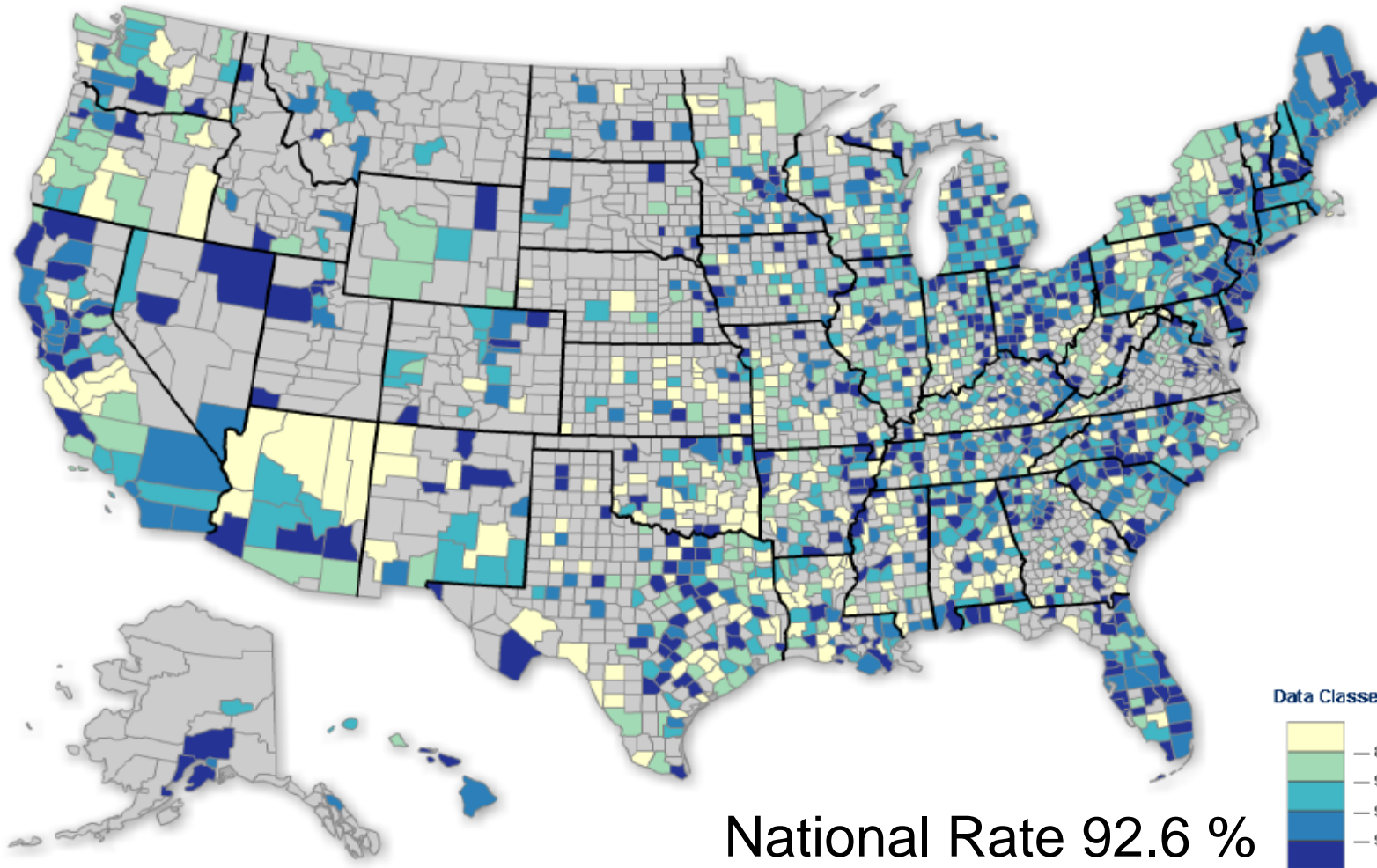
CHF Readmission Data



Readmission rate unchanged for last 5 years data

Composite CHF

Reporting Date Range: 2009-10-01 to 2010-09-30



Conclusions

- There has been very little change in many aspects of cardiac care over the last three years
- New measures reporting observed:expected ratios have been implemented
- There are trends in data, however, none are statistically different
- There is always room for improvement
 - Reduce readmissions major focus