

Wisconsin Collaborative Diabetes Quality Improvement Project

2010 Primary Care Research &
Quality Improvement Forum

9/16/2010

Kristin Gallagher

UW Population Health Institute

Outline

- Background
- NCQA vs. WCHQ
- Methods
- HEDIS[®] Measures
- Results
 - Quality Improvement Initiatives
 - CDC Chronic Disease Program Integration
- Conclusions

Background

- Wisconsin Collaborative Diabetes Quality Improvement Project
 - Collaboration between:
 - Participating Wisconsin HMOs and health plans
 - Wisconsin Diabetes Prevention and Control Program
 - Wisconsin Division of Health Care Access and Accountability
 - Wisconsin Diabetes Advisory Group
 - University of Wisconsin Population Health Institute

NCQA vs. WCHQ

	NCQA	WCHQ
History	Established in 1990	Established in 2003
Members	Voluntary membership for all national health plans	Voluntary consortium of Wisconsin health plans, physician groups, healthcare purchasers, government agencies
Measures	71 HEDIS [®] measures across 8 domains of care	Set of performance measures healthcare organizations have agreed upon
Data	National-level comparison	Provider-level comparison
Reporting	State of Healthcare Quality Report (annual) including only including national average, 90 th percentile	Performance and Progress Report – publicly available electronic database
Member Accreditation	Members can apply for accreditation and be eligible for ranking	Not applicable



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- Health Plan

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- North Eastern
- North Western
- South Eastern
- Southern
- Western

View Map of
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FEEDBACK SURVEY

Diabetes: Blood Sugar (A1c) Testing WCHQ

This measure assesses the care of **133,912** patients with Diabetes. [Read More About This Measure](#)

Legend:

Two or more tests

One test

Percentage of Patients Meeting the Criteria

* Upper age limit changed from 85 to 75 years

Reporting Period: Q3 2008 - Q2 2009 ▾

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Comprehensive Diabetes Care

HEDIS[®] Measures

- Hemoglobin A1c (HbA1c) testing
- HbA1c poor control (>9.0%)
- HbA1c control (<8.0%)
- HbA1c good control (<7.0%)
- Eye exam (retinal) performed
- LDL-C screening
- LDL-C control (<100 mg/dL)
- Medical attention for nephropathy
- Blood pressure control (<140/90 mm Hg)
- Blood pressure control (<130/80 mm Hg)

Results

HEDIS[®] Comprehensive Diabetes Care Measures

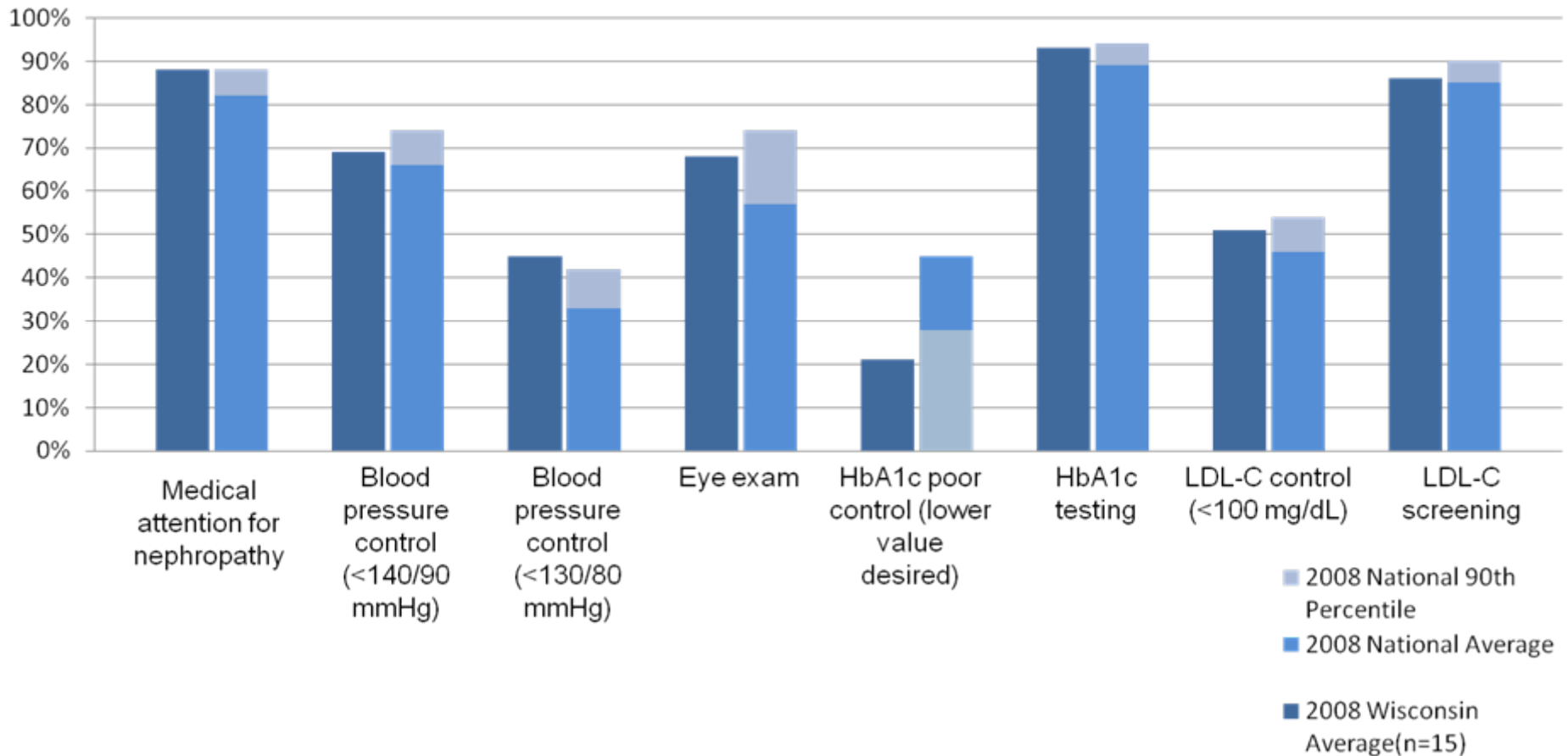
	Group Mean (2009)	Group Mean (2010)	Direction of Trend (2009-2010)	Variation among Plans*	National Mean (2009)**	Group vs. National Mean
HbA1c Poor Control (>9.0%) (Lower percentage desired)	21%	22%	Decrease	High Range=25%	28%	Better than National
HbA1c Control (<8.0%)	70%	67%	Decrease	Medium Range=22%	N/A	N/A
HbA1c Good Control (<7.0%)	44%	47%	Increase	Medium Range=23%	N/A	N/A
HbA1c Testing Performed	93%	92%	Decrease	Low Range=7%	89%	Better than National
Eye Exam Performed	68%	68%	No Change	High Range=36%	57%	Better than National
LDL-Cholesterol Screening Peformed	86%	87%	Increase	Low Range=9%	85%	Better than National
LDL-Cholesterol Control <100 mg/dL	51%	52%	Increase	Medium Range=22%	46%	Better than National
Blood Pressure Control <140/90 mmHg	69%	72%	Increase	Medium Range=16%	66%	Better than National
Blood Pressure Control <130/80 mmHg	45%	42%	Decrease	Medium Range=18%	33%	Better than National
Medical Attention for Nephropathy	88%	88%	No Change	Low Range=9%	82%	Better than National

* Categories are: Low <15%, Medium 15-24%, and High ≥25%.

** National mean for 2009 not released until November 2010

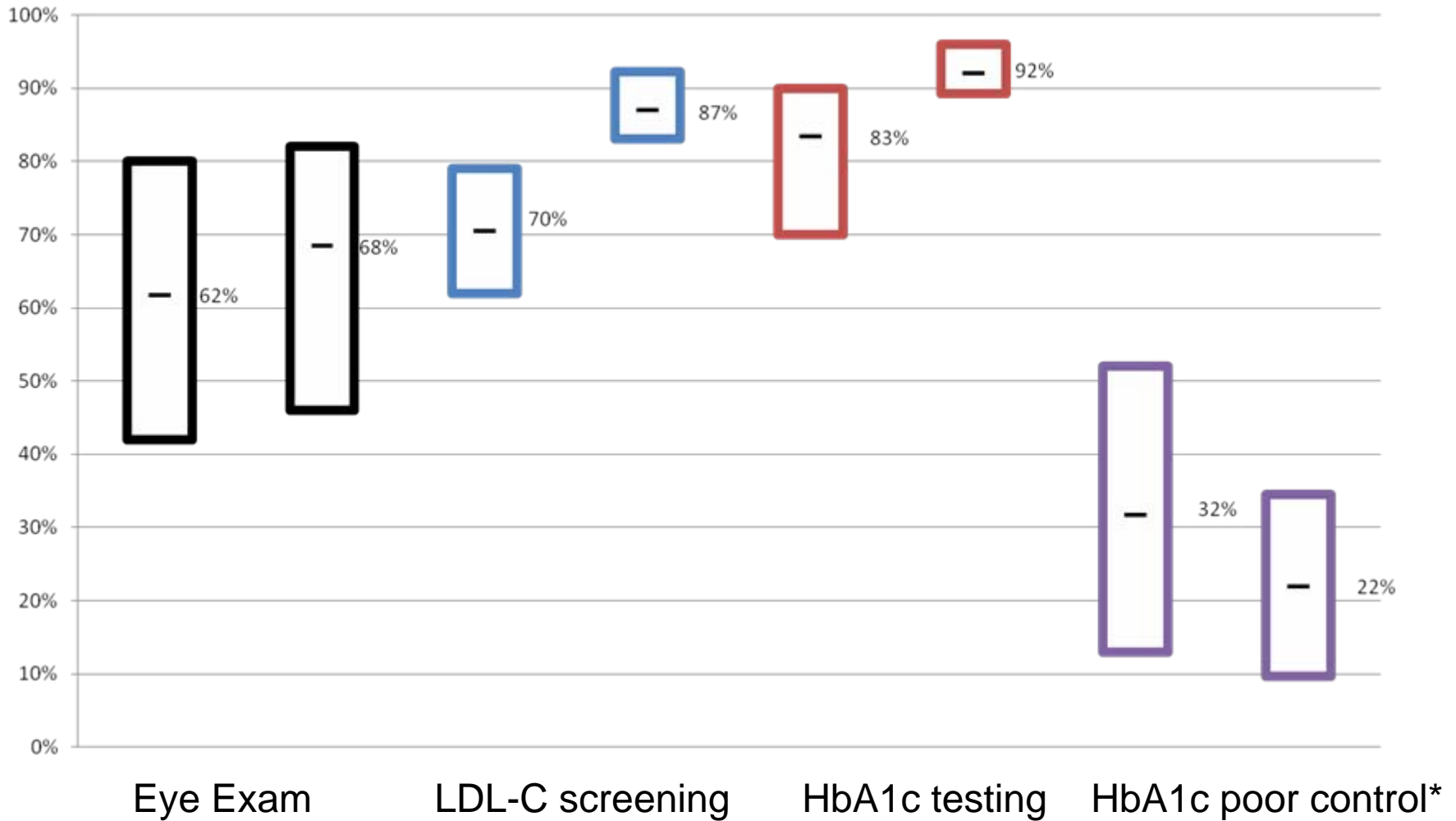
Results

Collaborative Average Performance vs. National Average and National 90th Percentile (HEDIS® 2009)



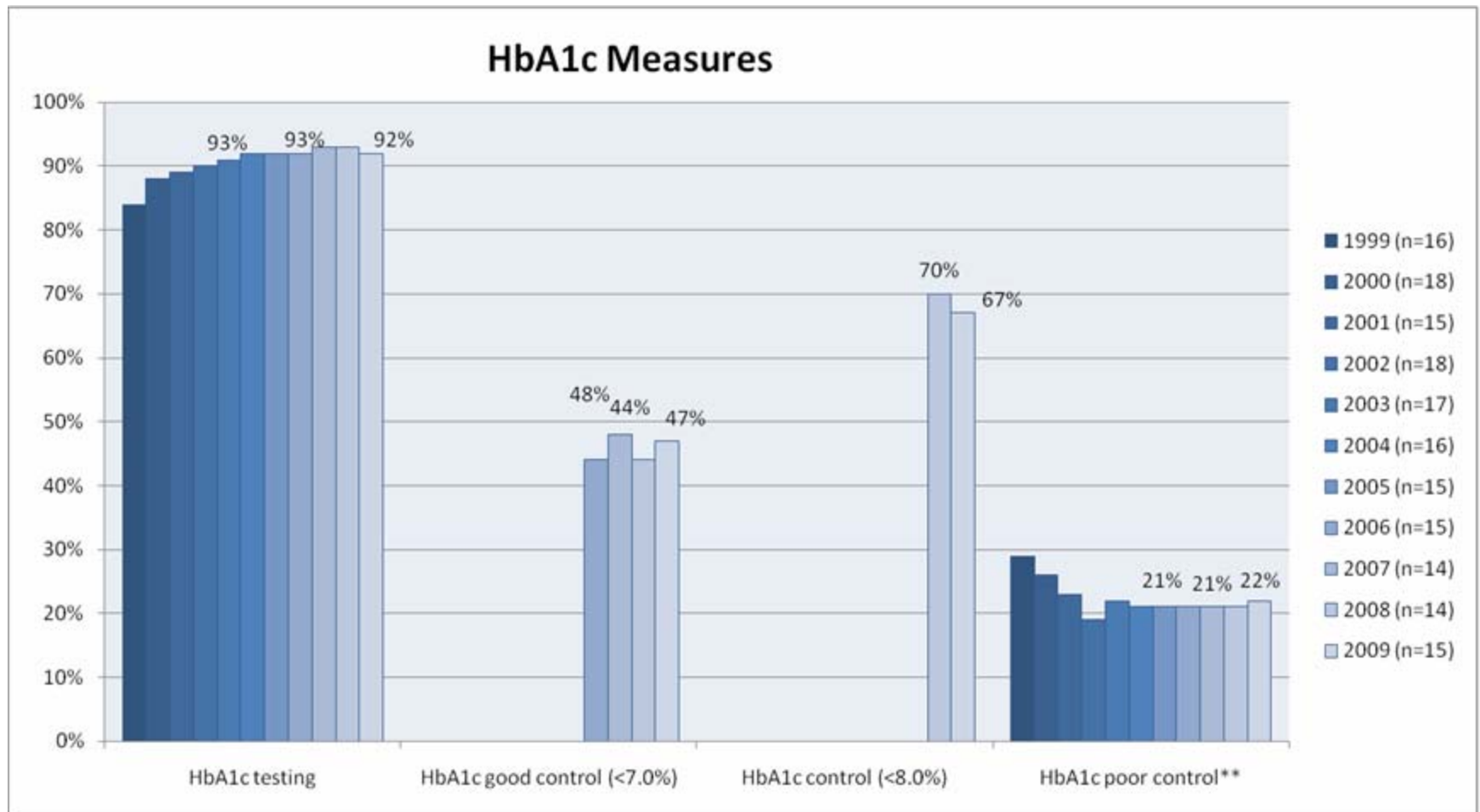
Results: Plan Variation

Diabetes Care Measure Mean and Variation Over Time
(Data from HEDIS® 1999 and 2010)



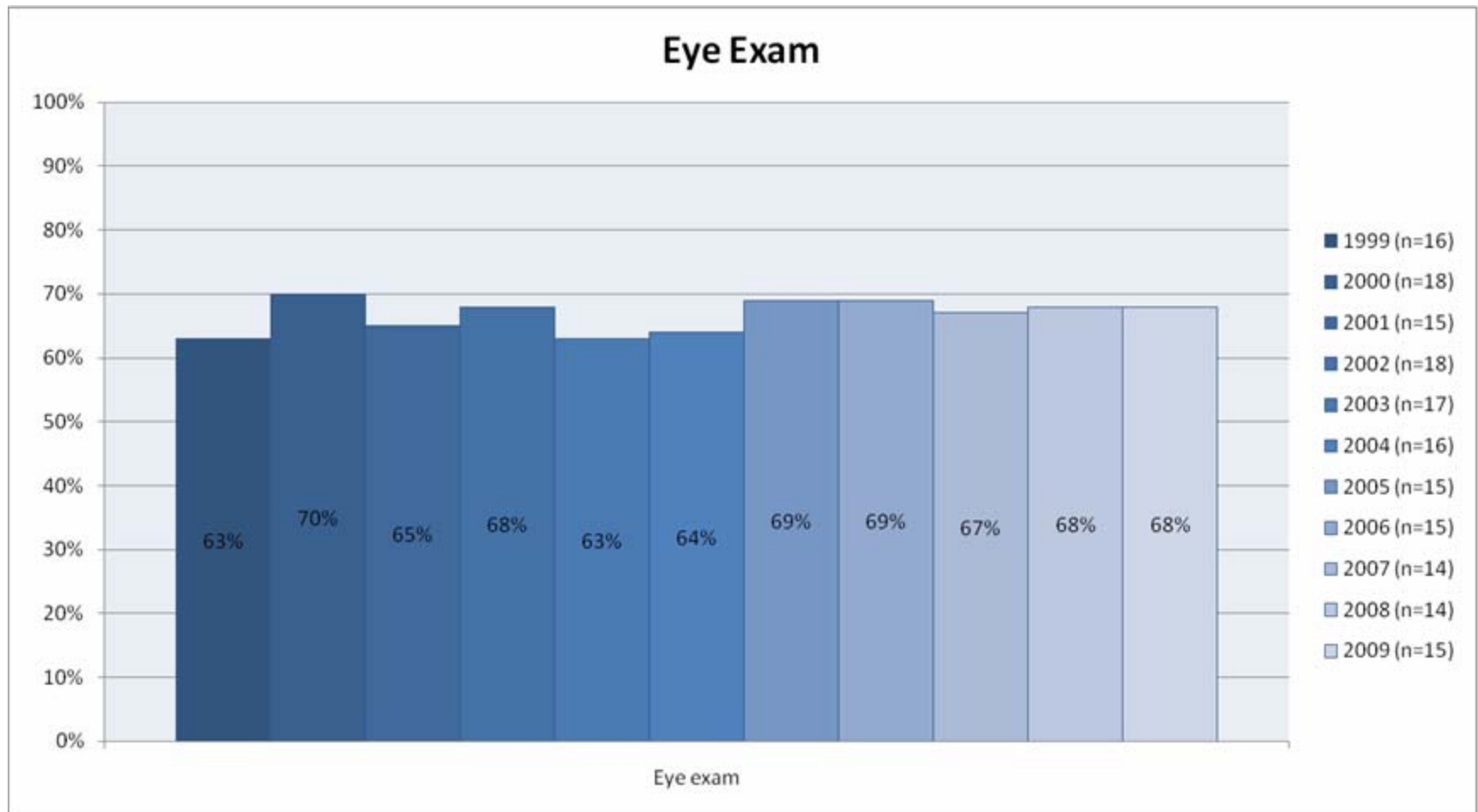
Results: Comprehensive Diabetes Care

HEDIS[®] 2010 Measures

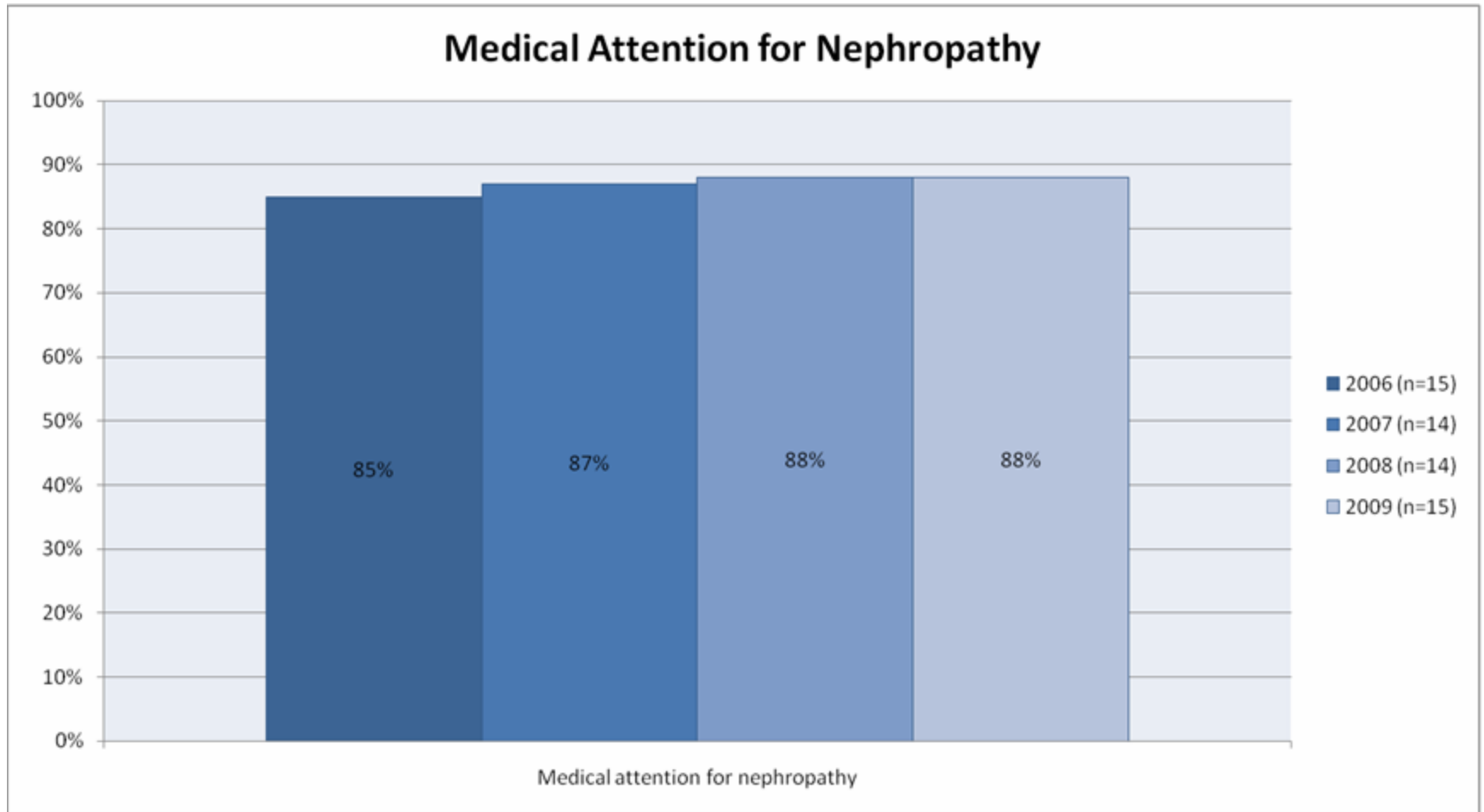


Results: Comprehensive Diabetes Care

HEDIS[®] 2010 Measures

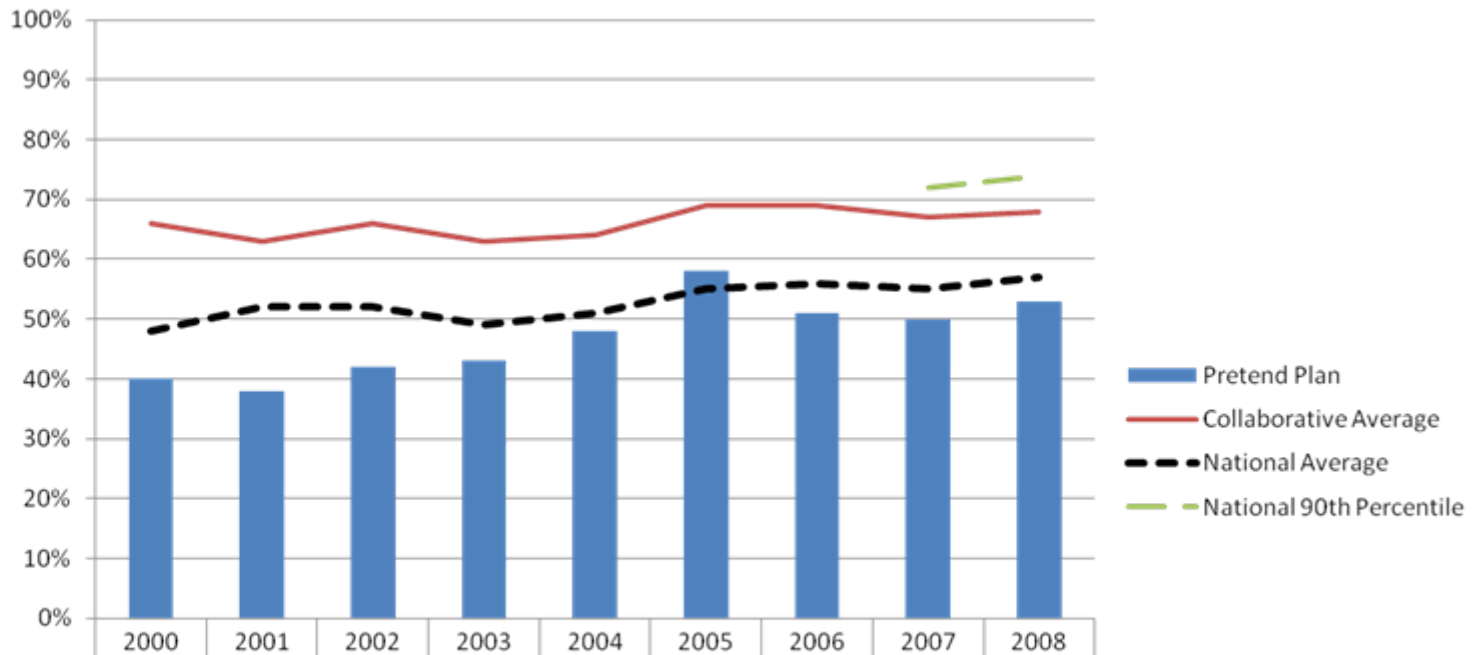


Results: Comprehensive Diabetes Care HEDIS[®] 2010 Measures



Individual Plan Report Example

Eye Exam



	2000	2001	2002	2003	2004	2005	2006	2007	2008
Pretend Plan	40%	38%	42%	43%	48%	58%	51%	50%	53%
Collaborative Average	66%	63%	66%	63%	64%	69%	69%	67%	68%
National Average	48%	52%	52%	49%	51%	55%	56%	55%	57%
National 90th Percentile								72%	74%

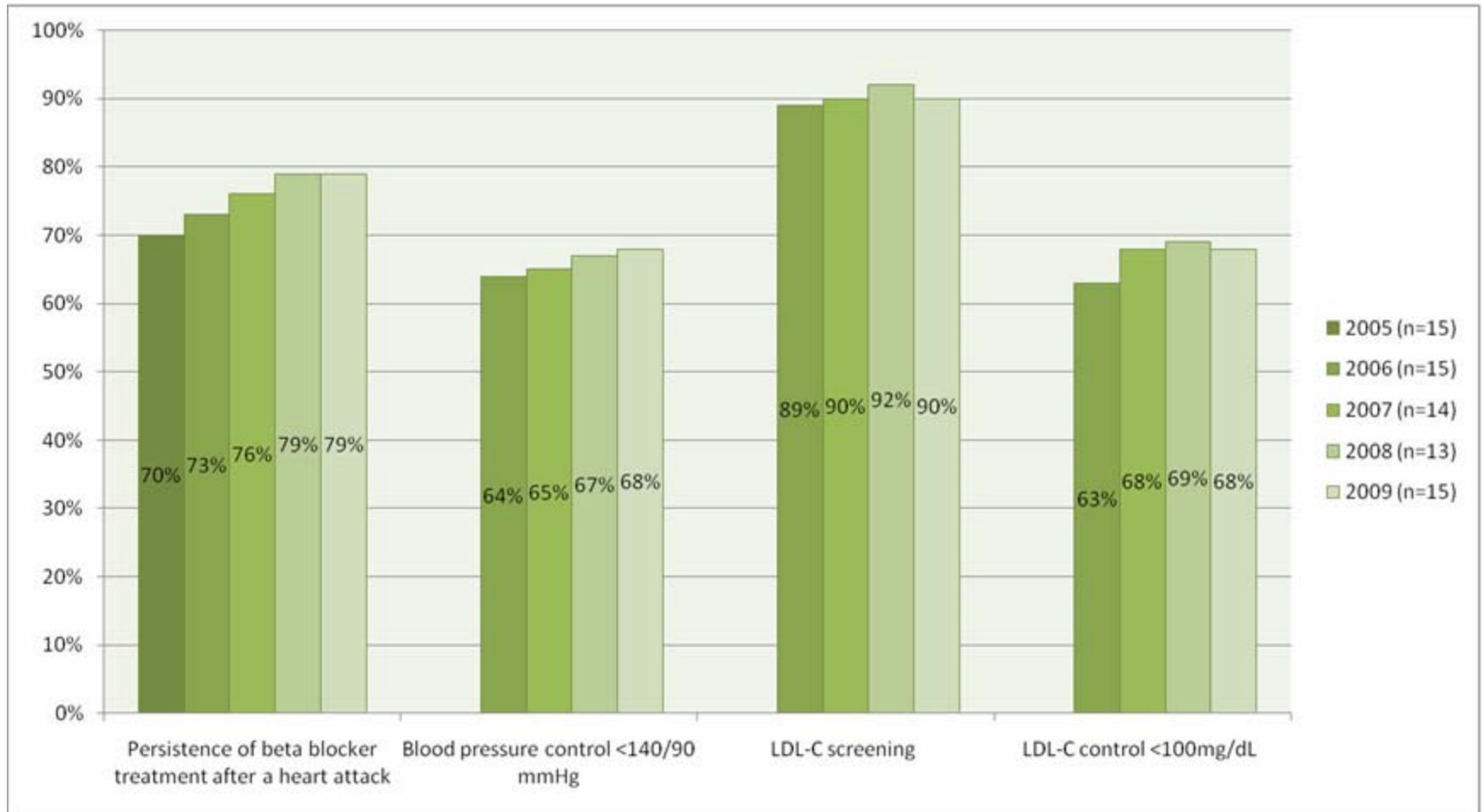
Quality Improvement Initiatives

- Eye Care Initiative that began in 2001, re-implemented in 2006
- Production of a bilingual DVD: *Protect Your Vision: The Dilated Eye Exam*, (in collaboration with the Wisconsin Lions Foundation)
- Cardiovascular Risk Reduction Initiative that began in 2003; Publication of the *Cardiovascular Care Performance* report
- Production of a bilingual DVD: *The Links to Chronic Kidney Disease: Diabetes, High Blood Pressure, and Family History*, (in collaboration with the Wisconsin Lions Foundation and the National Kidney Foundation)
 - Continued support to increase reporting of estimated Glomerular Filtration Rate (eGFR) by Wisconsin laboratories and the statewide Chronic Kidney Disease Task Force
- *Living Well with Chronic Conditions* self-management program
- Relative Resource Use: The Project collected baseline data for this new HEDIS® utilization measure. The Collaborative is planning how to report and use this information.

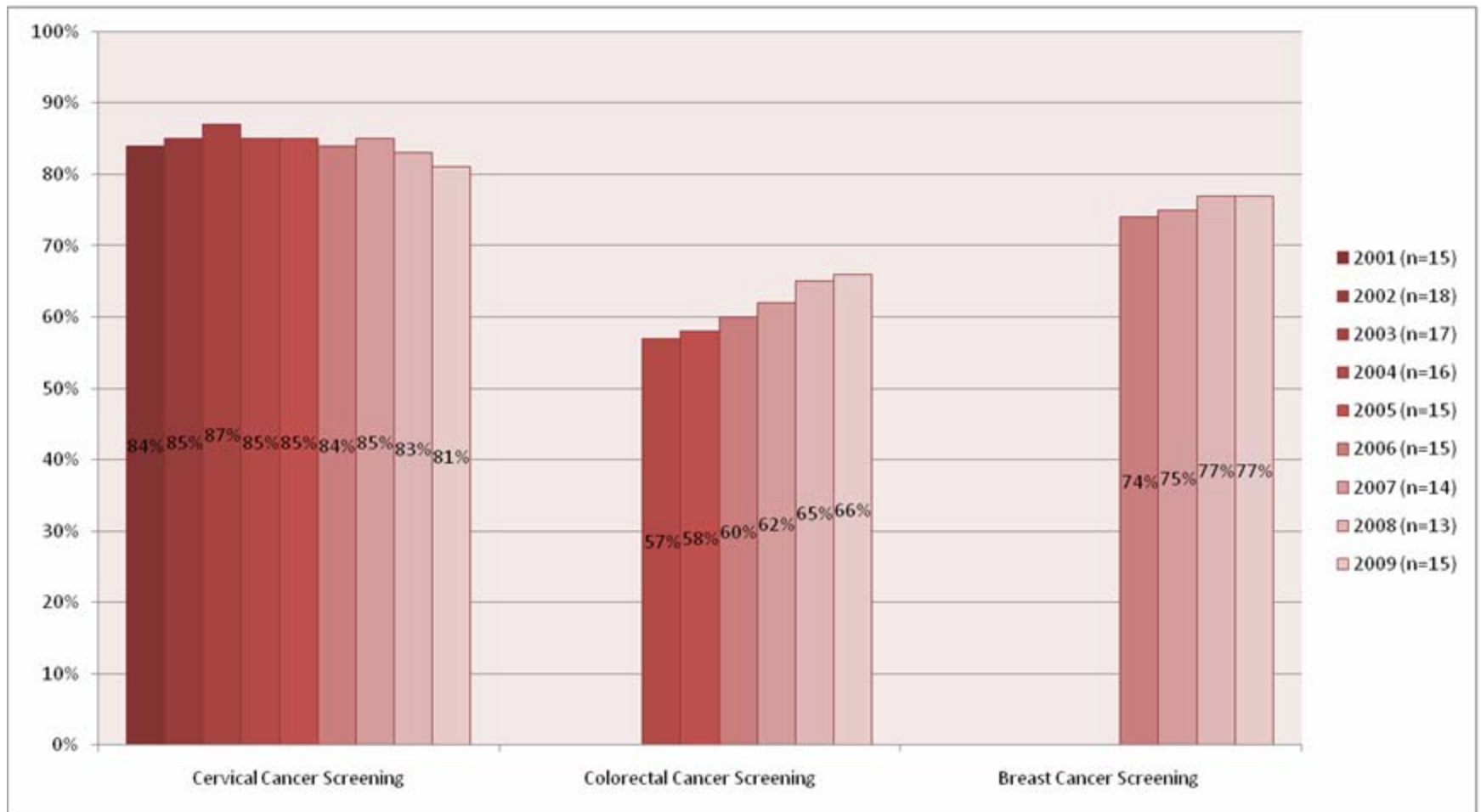
Chronic Disease Program Integration

- Wisconsin is one of the four Program Integration Demonstration states in a pilot project funded by the Centers for Disease Control and Prevention (CDC).
- Several chronic disease programs (including Arthritis, Asthma, BRFSS, Cancer, Diabetes, Heart Disease and Stroke Prevention, Nutrition, Physical Activity and Obesity, and Tobacco Prevention and Control) are collaborating to accomplish a coordinated program integration work plan that increases the effectiveness and efficiency of participating programs.
- Findings can be used to design and implement new initiatives to improve care.

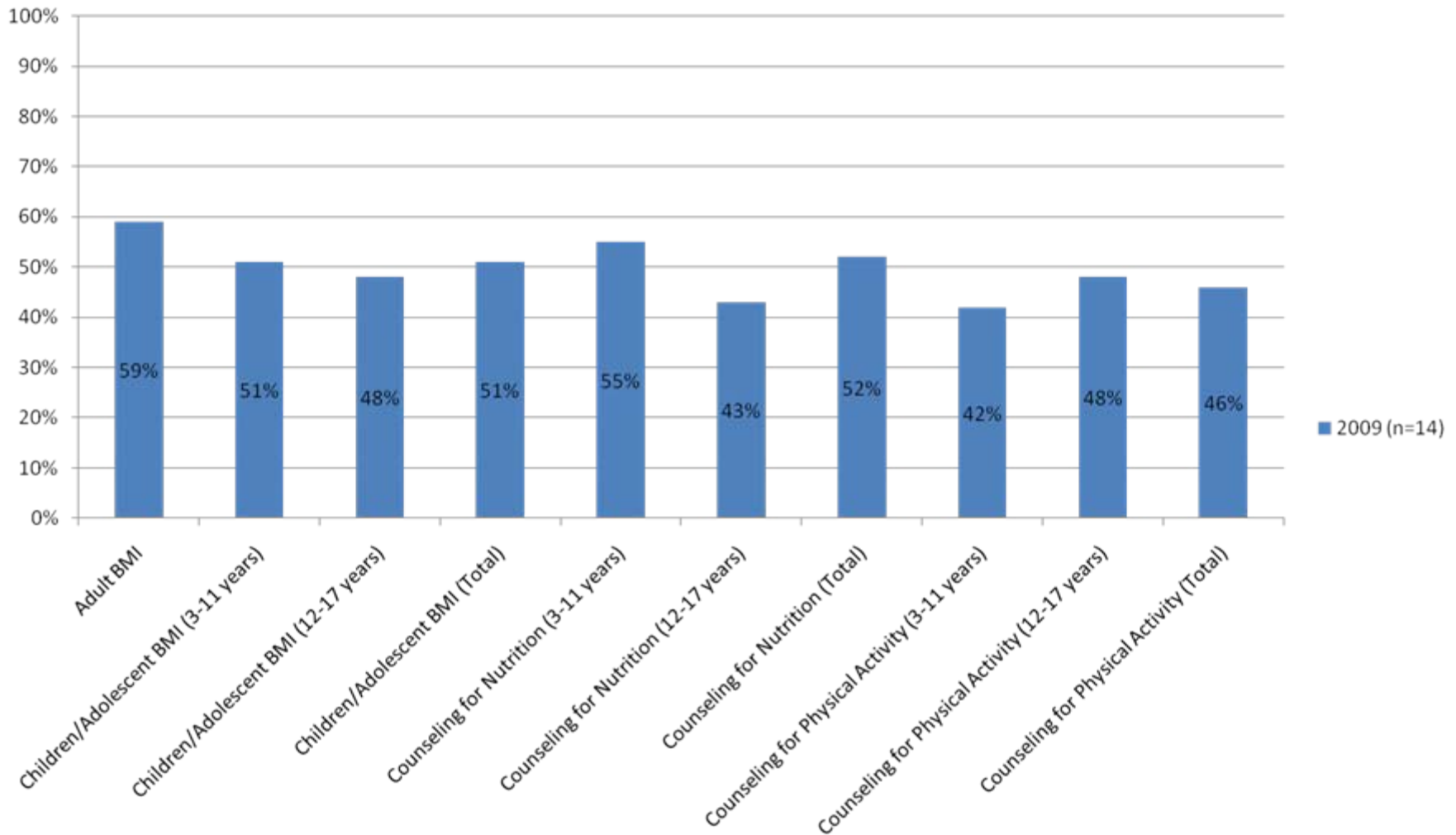
Results: Cardiovascular Care HEDIS[®] 2010 Measures



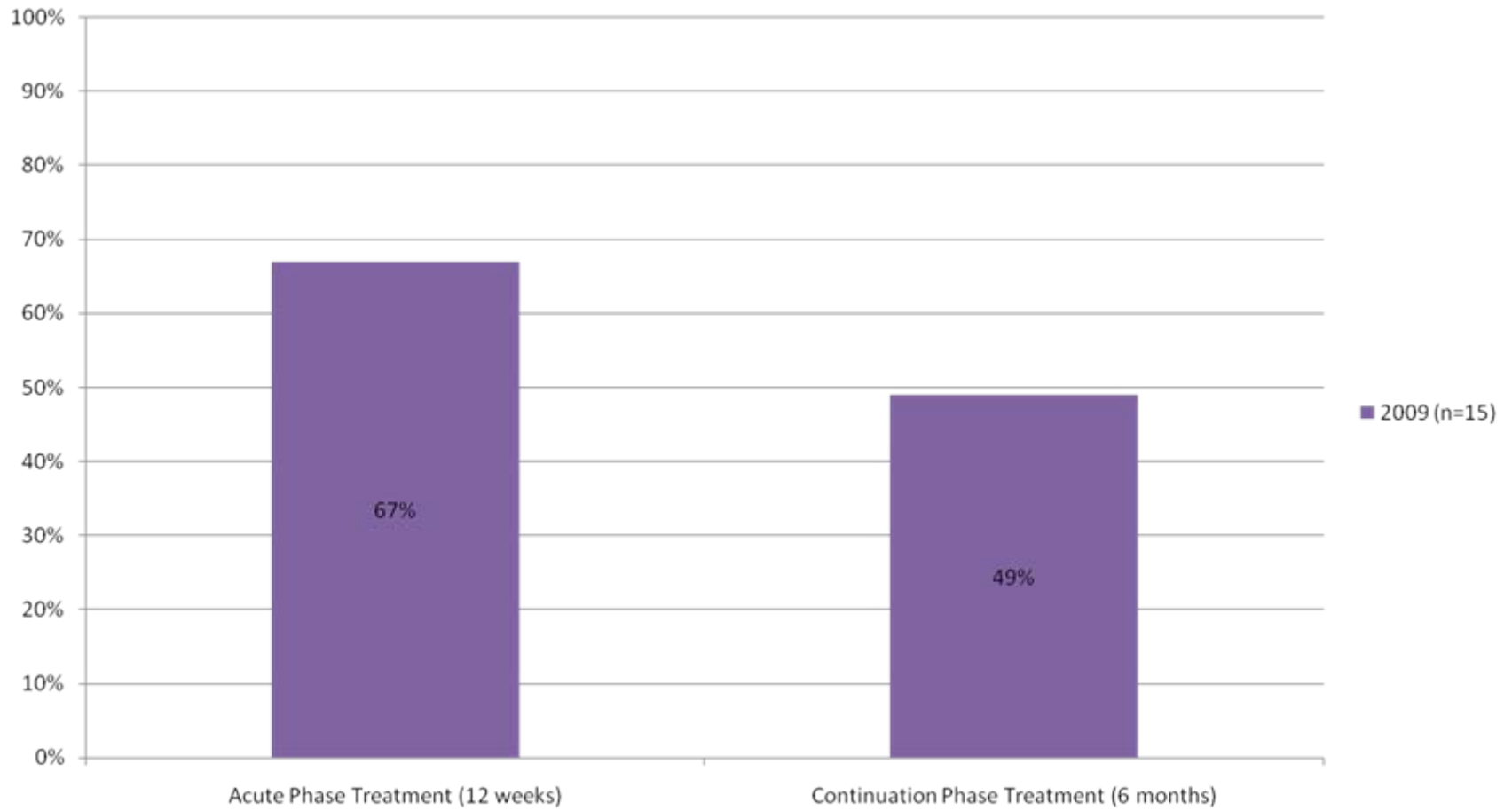
Results: Cancer Screening HEDIS[®] 2010 Measures



Results: Weight Assessment HEDIS® 2010 Measures



Results: Antidepressant Medication Management HEDIS[®] 2010 Measures



Conclusions

- Wisconsin's performance **exceeds national averages** for all HEDIS® Comprehensive Diabetes Care measures
- Diabetes **quality improvement initiatives** have been undertaken, both by the WCDQIP and by participating organizations
- Project is a **model for quality monitoring and improvement** in other programs, states, and communities

Future Directions:

- **Publication of 2010 Project Report** in November 2010
 - Including new **Chronic Disease Program Integration** Program-specific reports
- **RRU** data collection and reporting implemented for year thirteen to measure the efficiency and value of services rendered by organizations

Questions?

Kristin Gallagher, BS, CHES

Project Assistant, UW Population Health Institute

University of Wisconsin School of Medicine and Public Health

5901 Research Park Blvd, Room 100-E

Madison, WI 53719

Phone (608) 262-5254

E-mail: klgallagher@wisc.edu