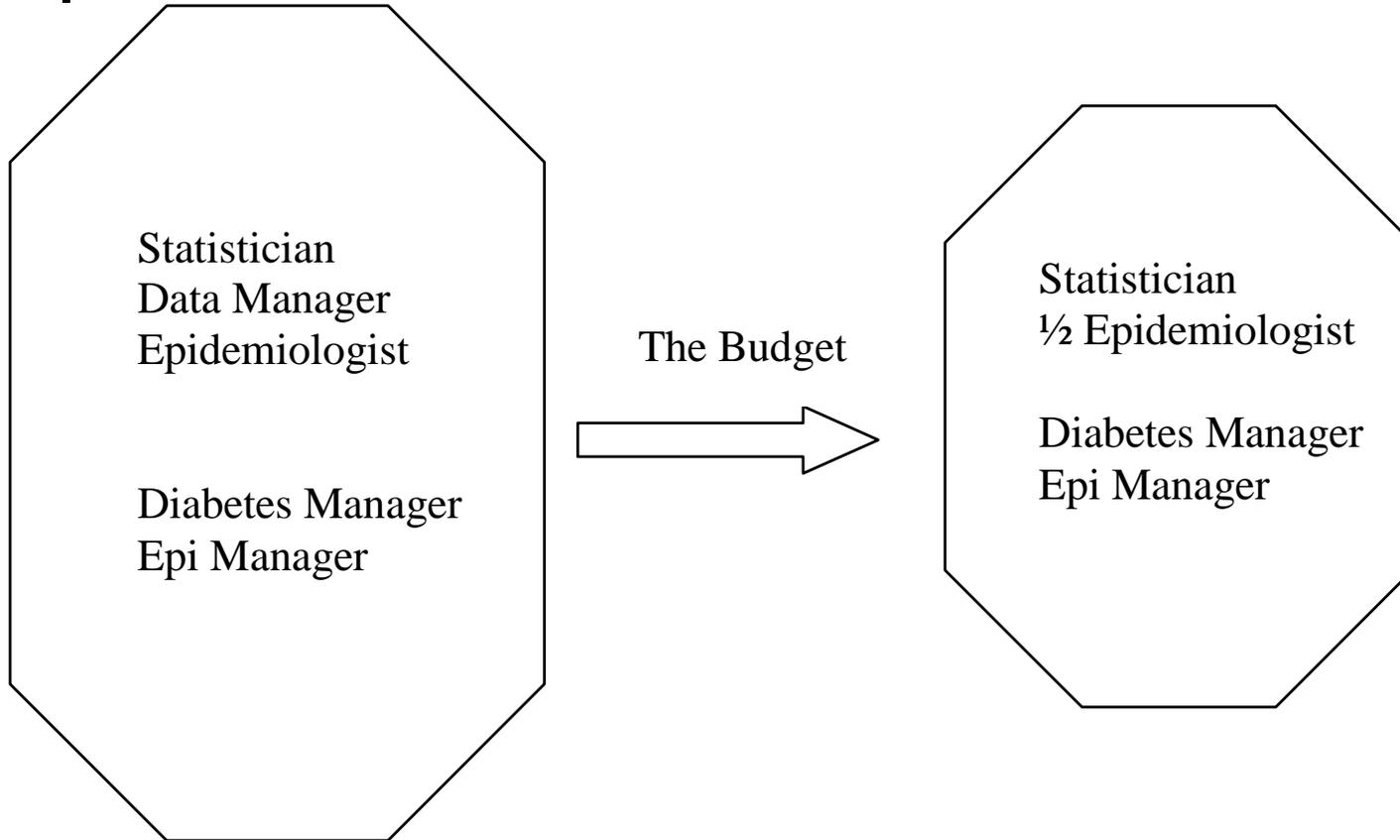


# Functions of Diabetes and Cardiovascular Epidemiology

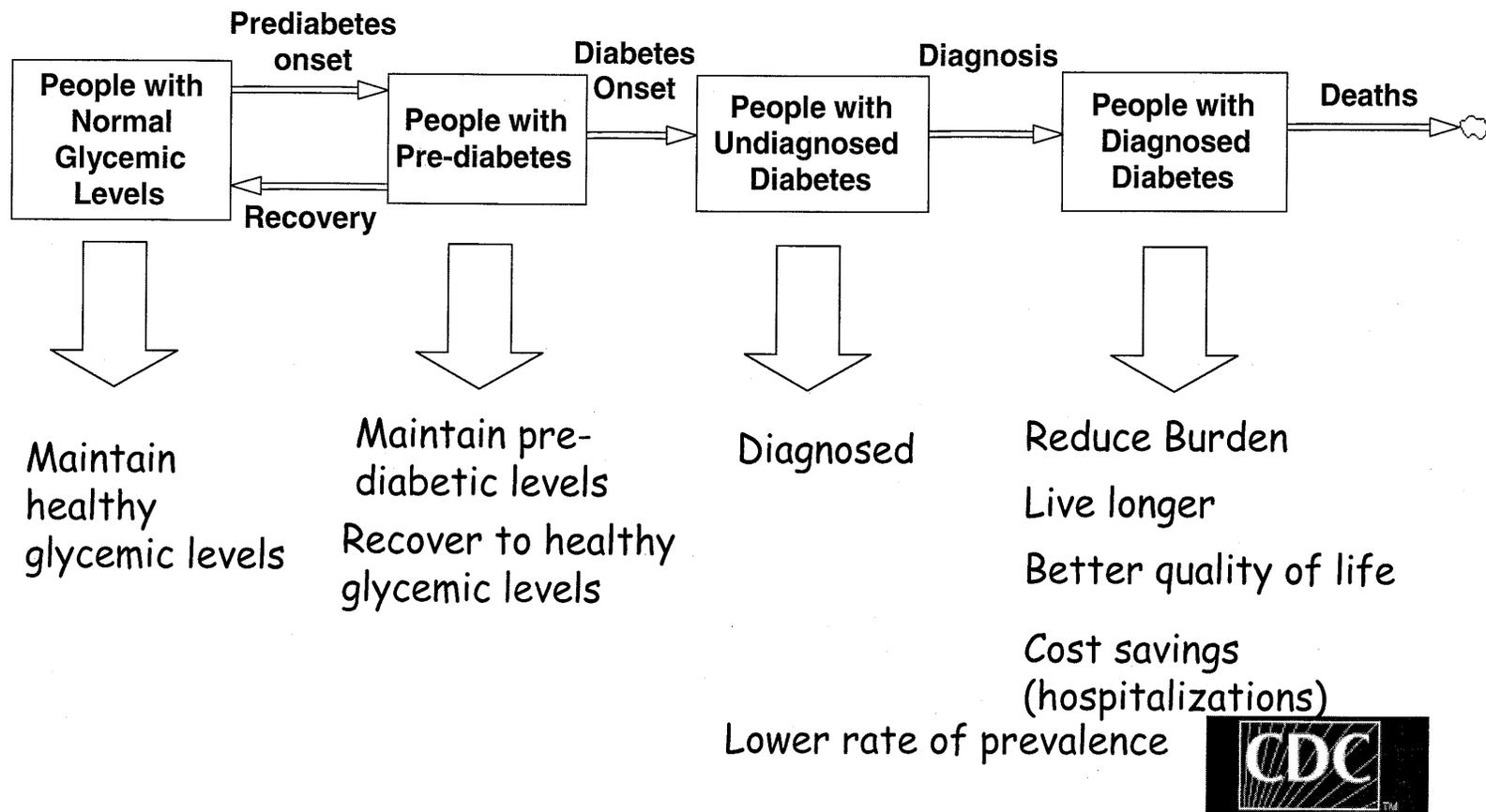
Beth Anderson



# Diabetes Data Team



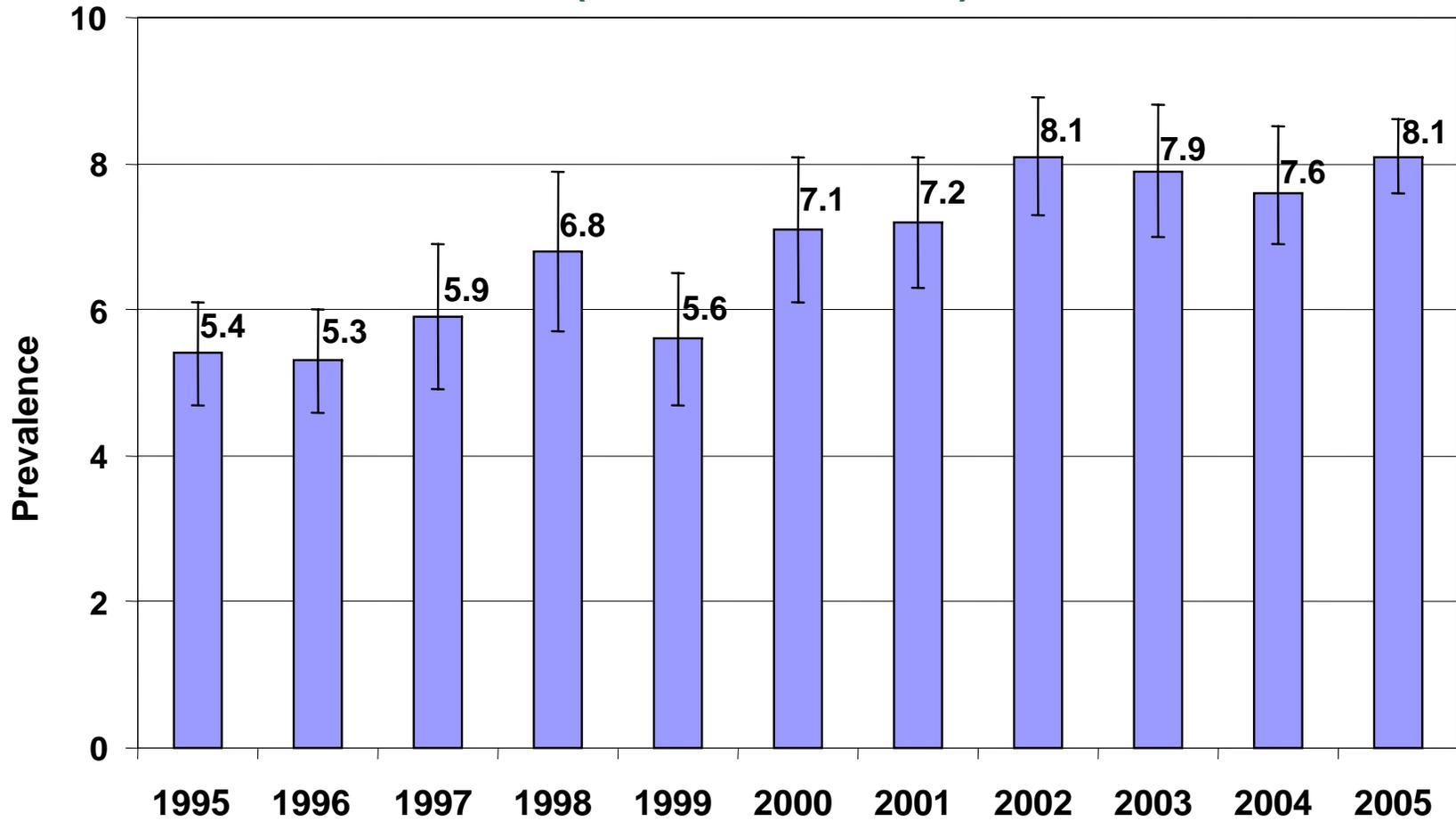
# What outcomes are we looking for?



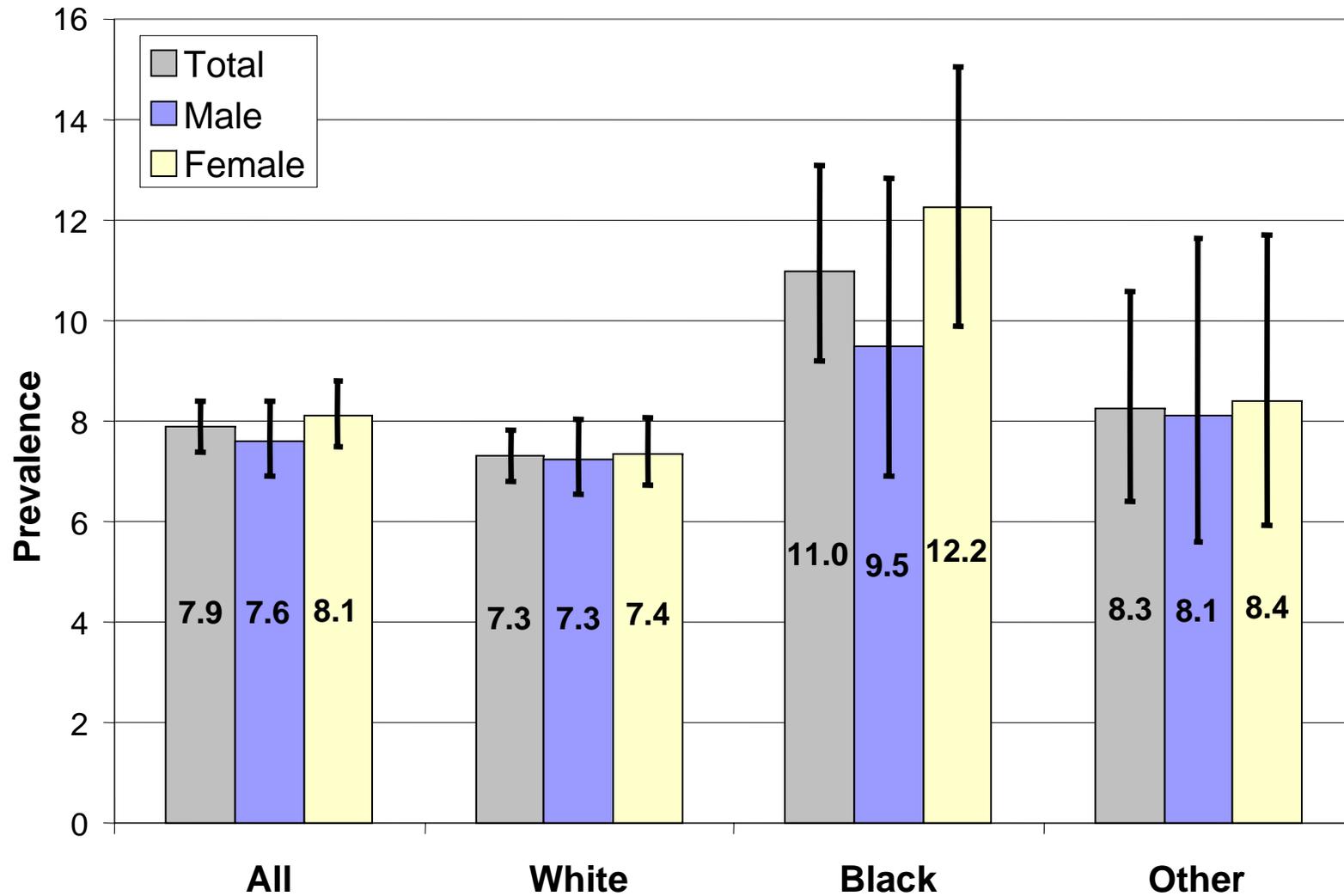


# Surveillance

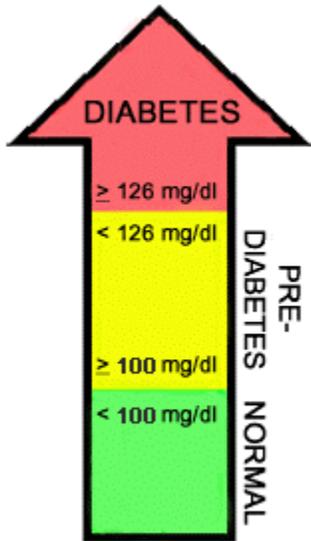
Prevalence of Diabetes in MI Adults, 1995-2005  
(Source: MI BRFSS)



● ● ● | **Prevalence of Diabetes in MI Adults, 2002-2004**  
**(Source: MI BRFSS, 3-yr. average)**



# Surveillance – Prediabetes



Diagnostic levels for Fasting Plasma Glucose

Prediabetes: When a persons blood glucose becomes higher than normal but not yet high enough to be diagnosed as diabetes

5-15 times more likely to develop type 2 diabetes in the next 5 years

	<b>Estimated National Prevalence</b>	<b>95% CI</b>	<b>Estimated Number in Michigan</b>
12-17 years	10.2	6.9 - 13.5	62,500 - 123,400
18-39 years	16.1	12.7 - 19.5	383,200 - 588,000
40-64 years	33.4	27.5 - 39.3	911,000 - 1,298,900
65-85 years	41.3	36.4 - 46.2	453,300 - 576,400



# Communication

- DPAC Prevention Committee
  - Impact Statement: Effectively translate diabetes scientific findings into community health action programs.
  - Toolbox
- Return on investments
- Data Requests
  - DPAC and other coalitions
  - MDCH
  - Local Public Health Offices





# Consultation

- Diabetes Competitive Grant Renewal
  - Literature reviews
  - Comparisons to other state programs
- Assistance with diabetes staff
  - Developing program objectives for purposes of evaluation

# ● ● ● | Evaluation

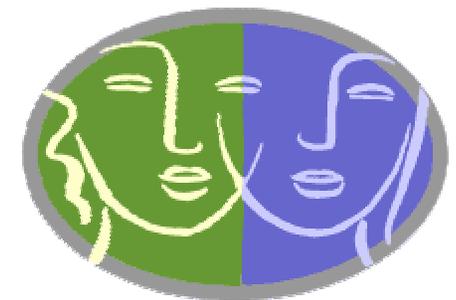
## ○ WISEWOMAN

### ● Mission:

- To provide low-income, under- or uninsured 40- to 64-year-old women with the knowledge, skills, and opportunities to improve diet, physical activity, and other lifestyle behaviors to prevent, delay and control cardiovascular and other chronic diseases.

### ● Diabetes Pilot Study

- What are the predictors of pre-diabetes
- Can a person move from being pre-diabetic back to a normal glucose level? What drives this change?



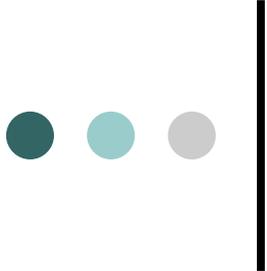
WISEWOMAN™

Well-integrated Screening and Evaluation  
for Women Across the Nation



# Investigation

- CDC annual recommendations for preventive care services:
  - Two hemoglobin A1c tests
  - A foot exam by a professional
  - A dilated eye exam
- Objective:
  - Determine the extent to which adults with diabetes in Michigan receive the recommended preventive care services



# Investigation

Receipt of Preventive-Care Services  
(N=594)

	%	(95% CI)
Two HGA1c tests annually	67.3	(61.9, 72.3)
Dilated eye exam annually	68.4	(63.5, 73.0)
Foot exam annually	67.3	(62.4, 71.9)
<b>All 3 services within the year</b>	<b>33.9</b>	<b>(29.3, 38.8)</b>



# Innovation

- CARE Card

- Goal: To increase the percentage of people with diabetes who receive all necessary exams and tests according to recommended diabetes care guidelines
- Double sided letter





# Upcoming Projects

- Cardiovascular Disease Burden Report
- Support CVD State plan development
- BRFSS Diabetes Surveillance Brief
- Gestational Diabetes Project