

National Institute of Diabetes and Digestive and Kidney Diseases

Core Principles

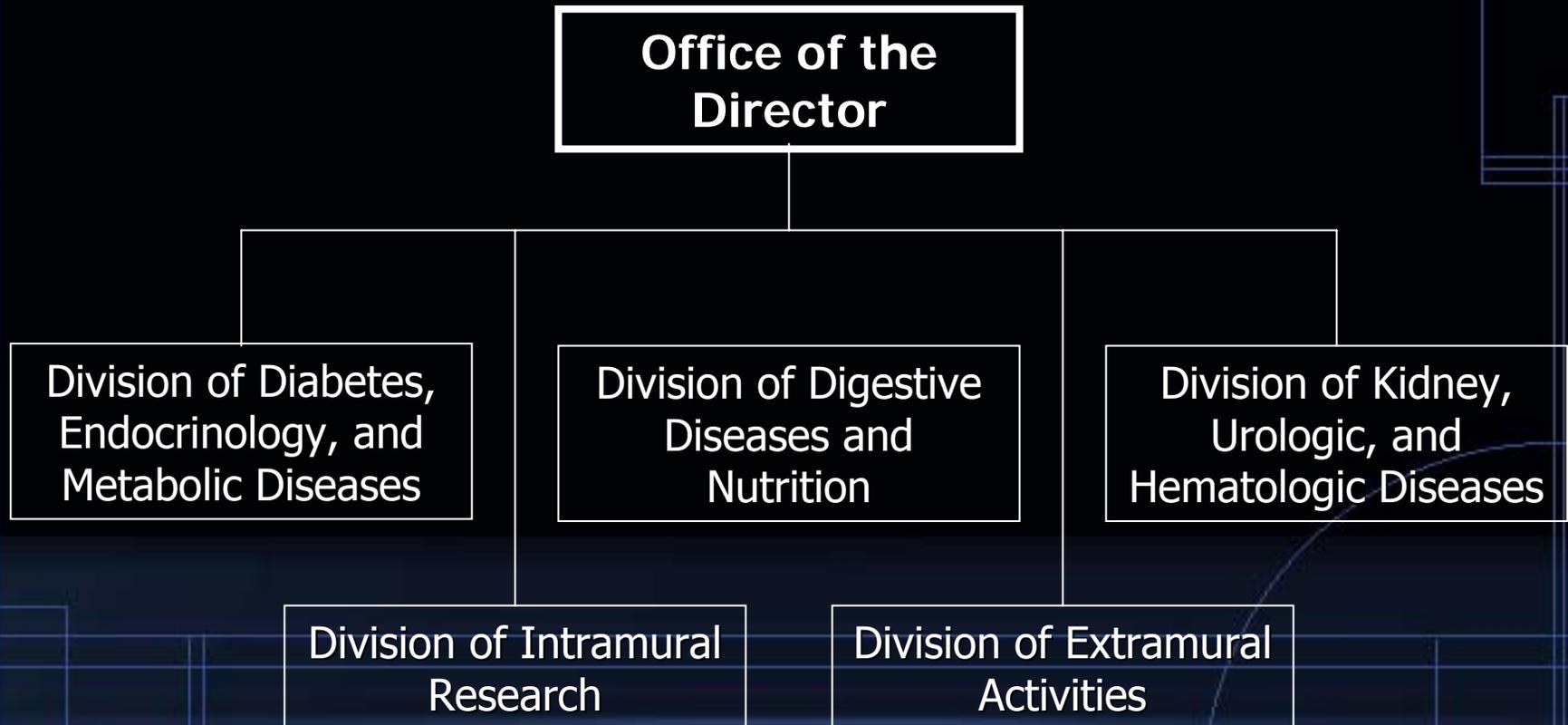
Griffin P. Rodgers, M.D., M.A.C.P.
Director



NIDDK 



Organizational Structure of the NIDDK



Examples of NIDDK Broad Leadership Roles

- **Co-chair NIH Obesity Research Task Force**
- **Lead Roadmap Metabolomics Initiative**
- **Administer T1DM Special Funding Program**
- **Chair 3 Interagency Coordinating Committees**
- **Chair National Commission on Digestive Diseases**

Core Principles

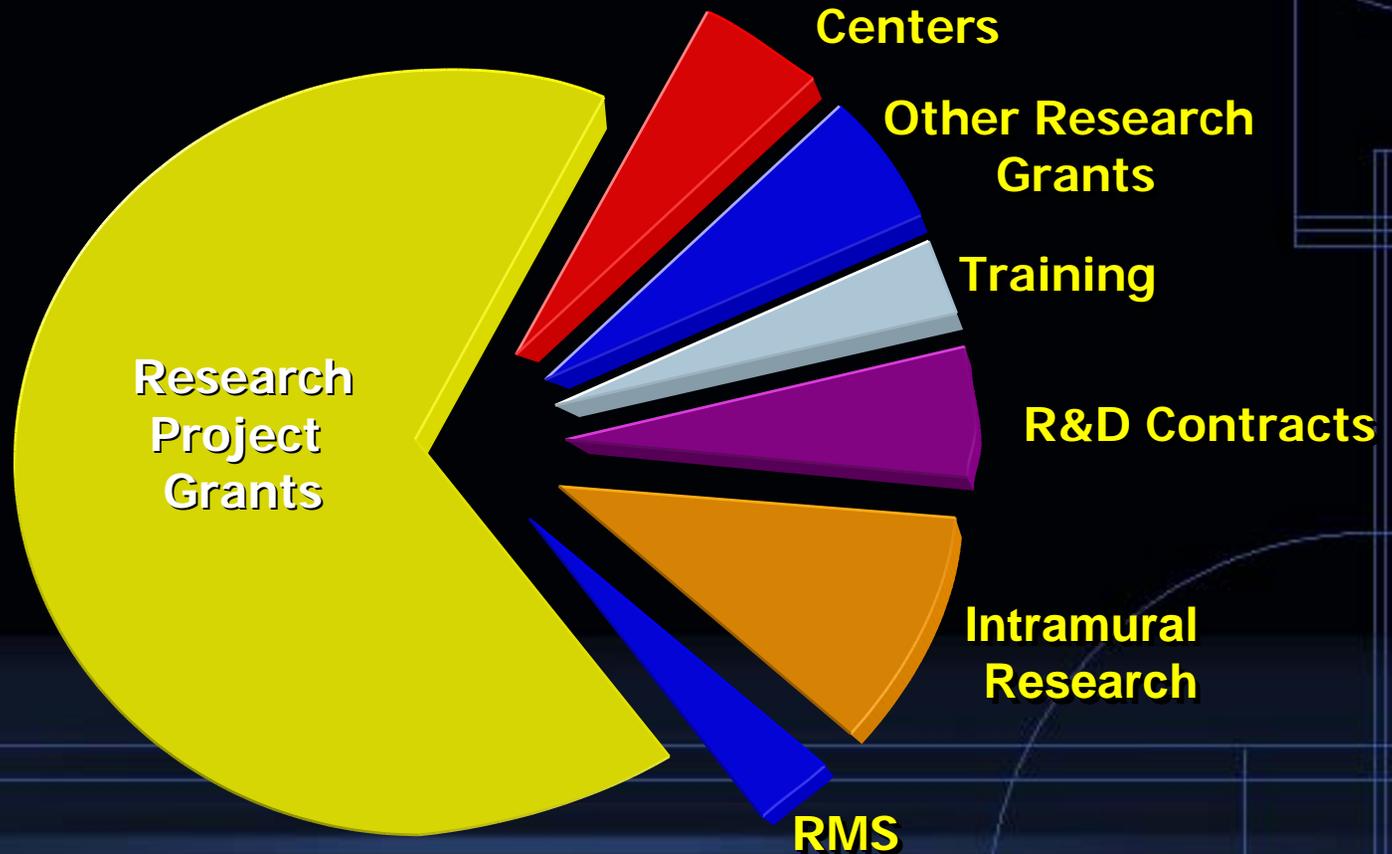
- **Maintain a Vigorous Investigator-Initiated Research Portfolio**
- **Support Pivotal Clinical Studies and Trials**
- **Preserve a Stable Pool of Talented New Investigators**
- **Foster Exceptional Research Training and Mentoring Opportunities**
- **Ensure Knowledge Dissemination Through Outreach and Communications**



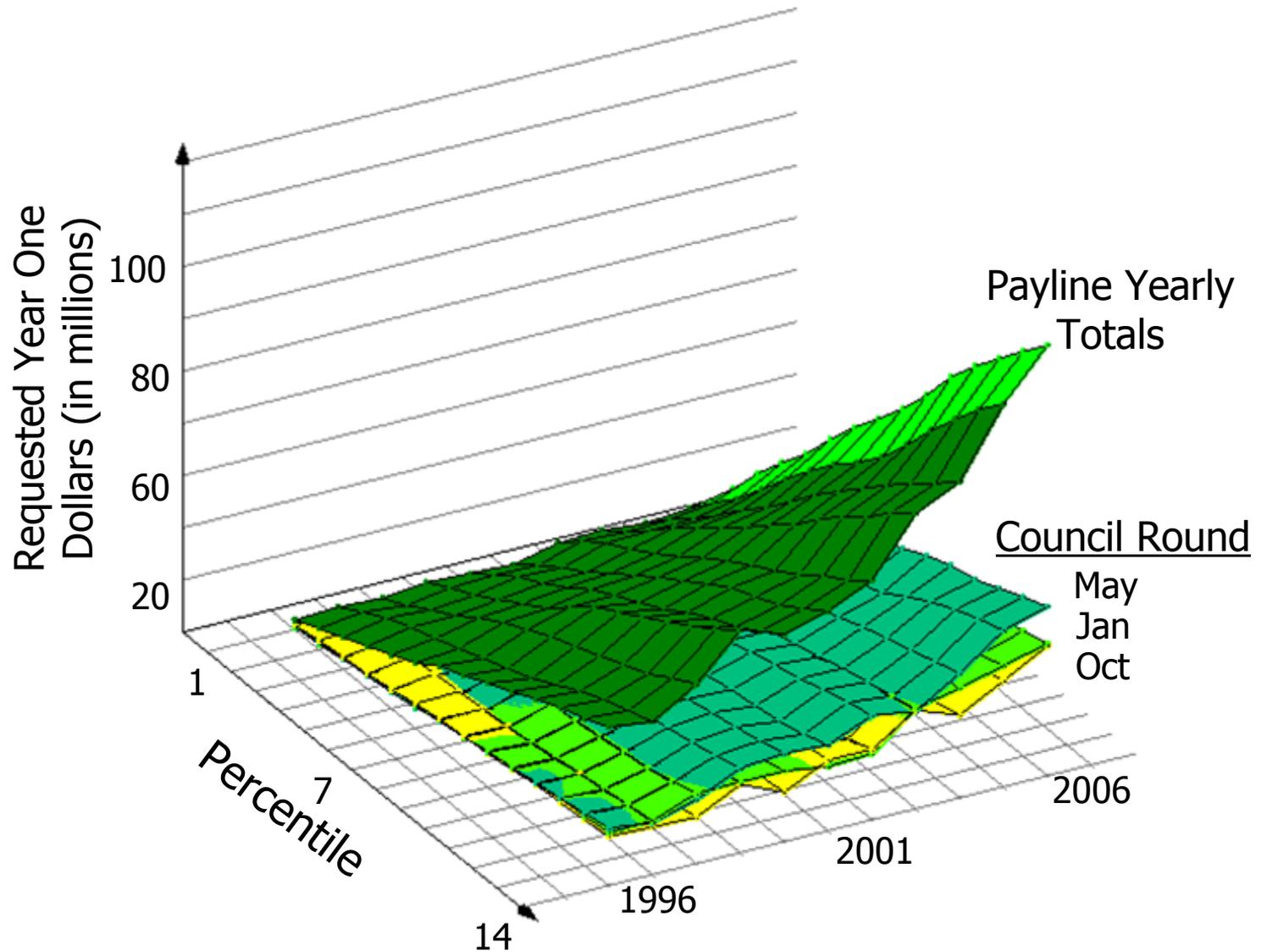
**Maintain a Vigorous Investigator-
Initiated Research Portfolio**

NIDDK FY2007 Budget

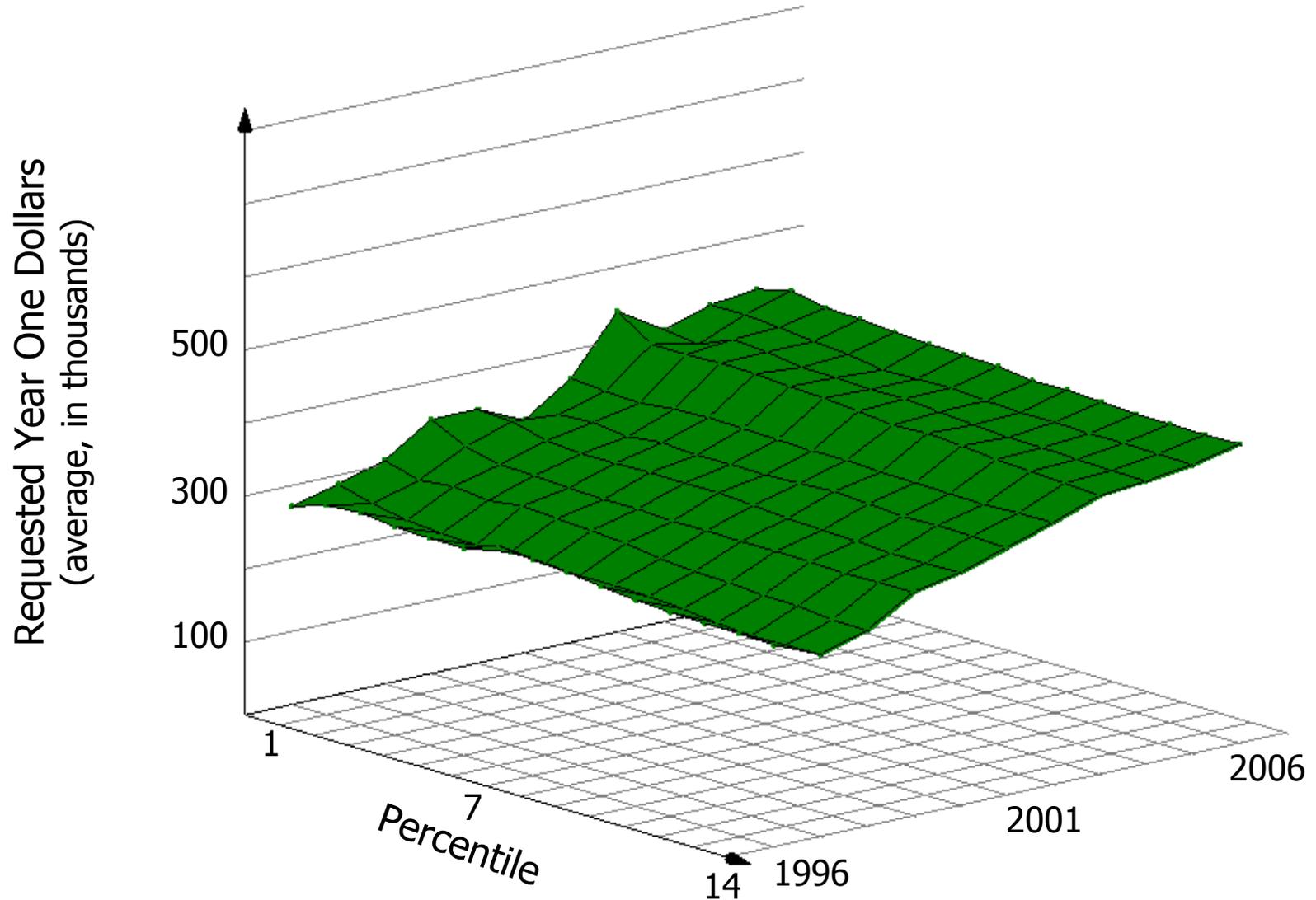
Obligations by Mechanism



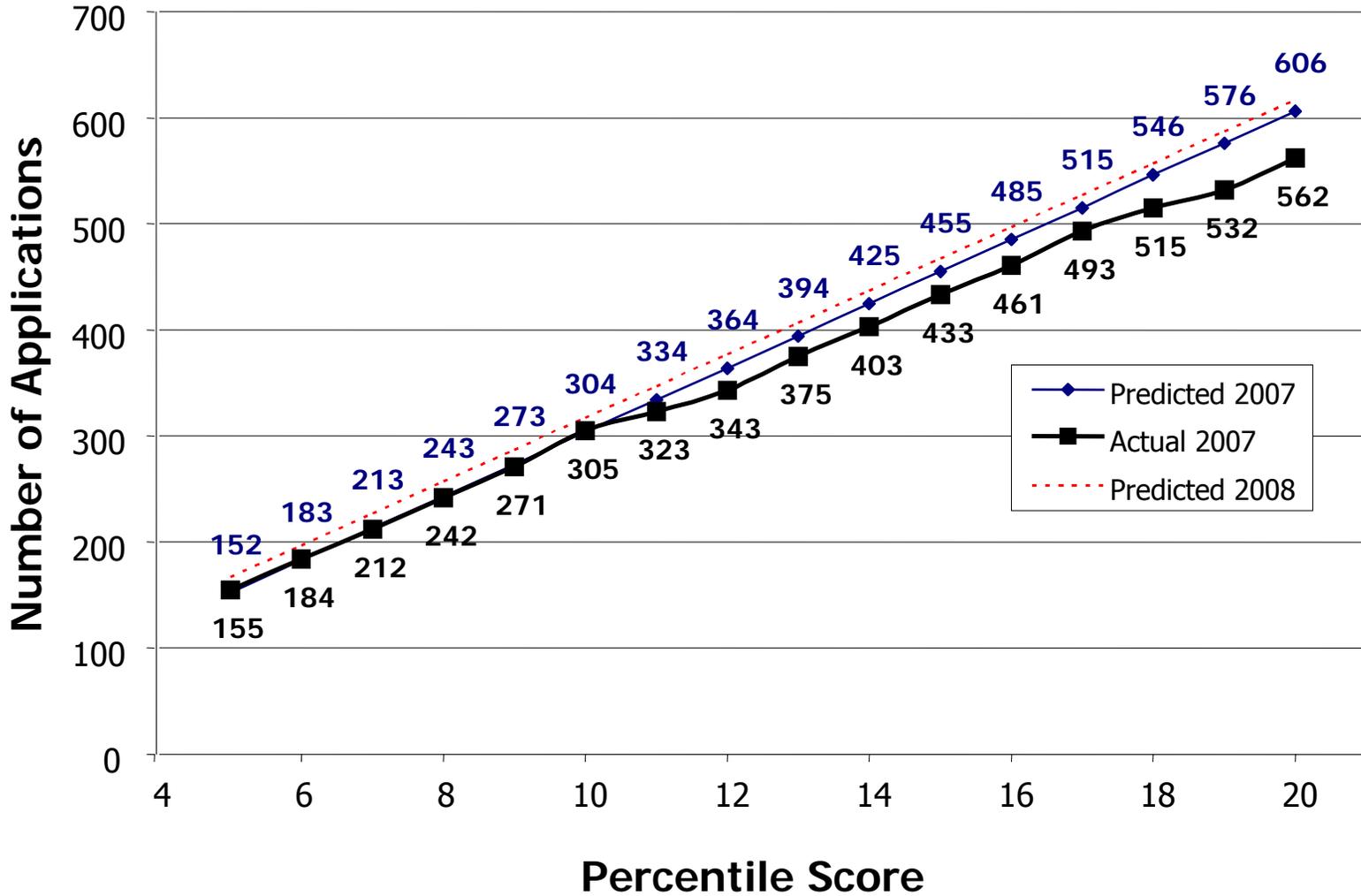
Running Ten-year Average of Paylines



Application Funding Requests Over Time



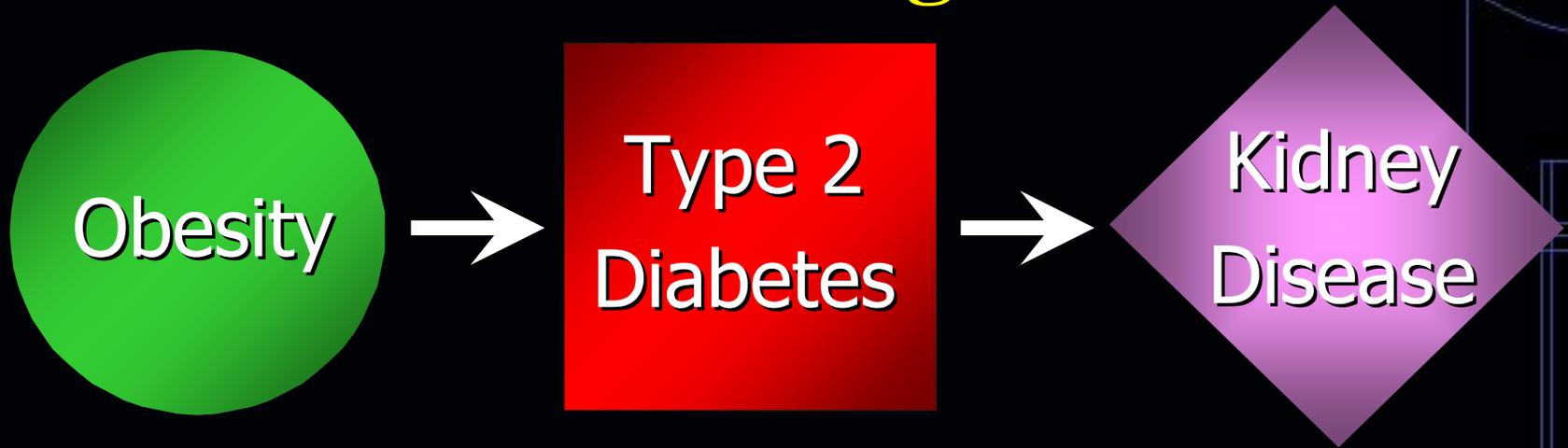
2007 Model Predictions





Support Pivotal Clinical Studies and Trials

A Paradigm of NIDDK's Integrated Research Programs



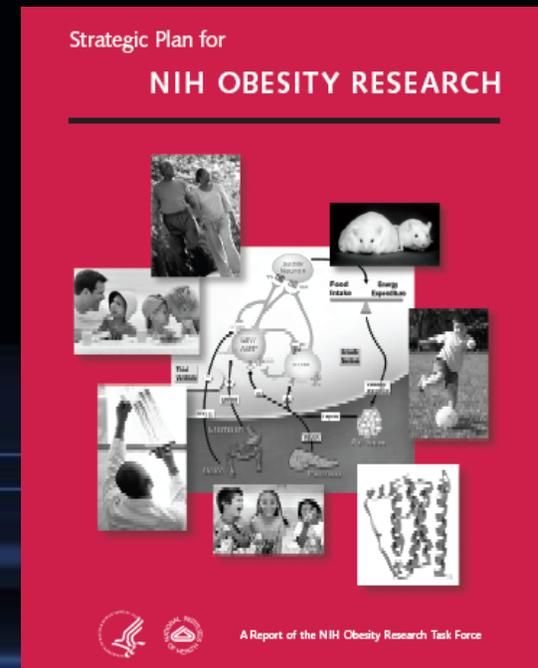
- Approx. 2/3 of U.S. adults overweight
- Approx. 1/3 of U.S. adults obese
- Increasing in the young
- Annual cost: \$117B

- Approx. 21 million U.S. cases (7% of population)
- Projected to ~50 million by 2050
- Increasing in the young
- Annual cost: \$132B

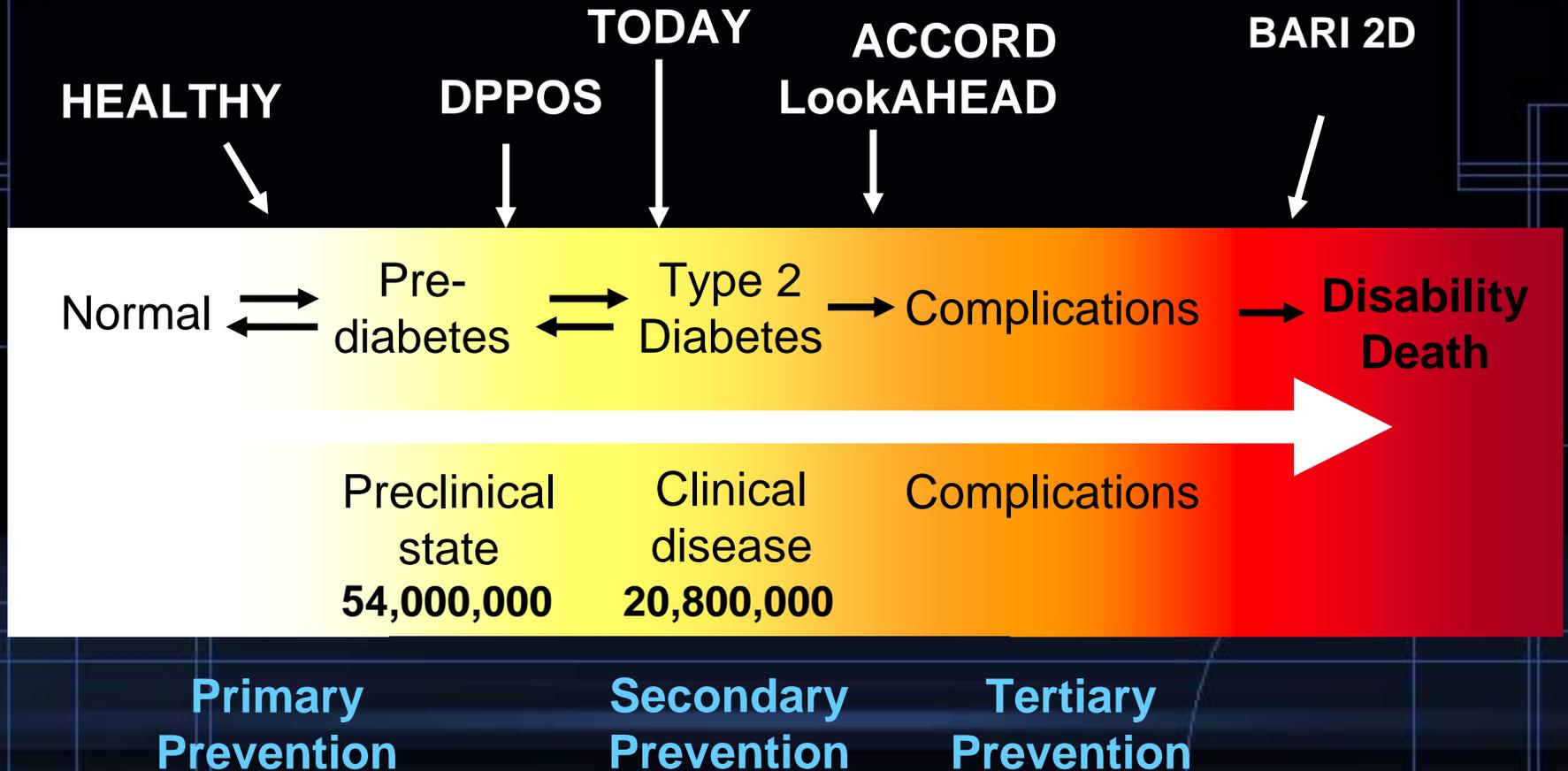
- Approx. 26 million U.S. cases of CKD
- Major causes: diabetes, hypertension
- ESRD treatment: \$32B annually

Strategic Plan for NIH Obesity Research

- Prevention/treatment through lifestyle modification
- Prevention/treatment through pharmacologic, surgical, or other medical approaches
- Research toward breaking the link between obesity and associated health conditions
- Cross-cutting research topics
 - Health disparities
 - Technology
 - Interdisciplinary research teams
 - Investigator training
 - Translational research
 - Education/outreach efforts



Stages in the History of Type 2 Diabetes



A dynamic photograph of two young men playing basketball. The player on the left is wearing a white jersey with 'HEALTHY' printed on it and is dribbling the ball. The player on the right is wearing a red jersey and is reaching out to steal the ball. The background is dark, and the lighting is dramatic, highlighting the players' movements.

HEALTHY

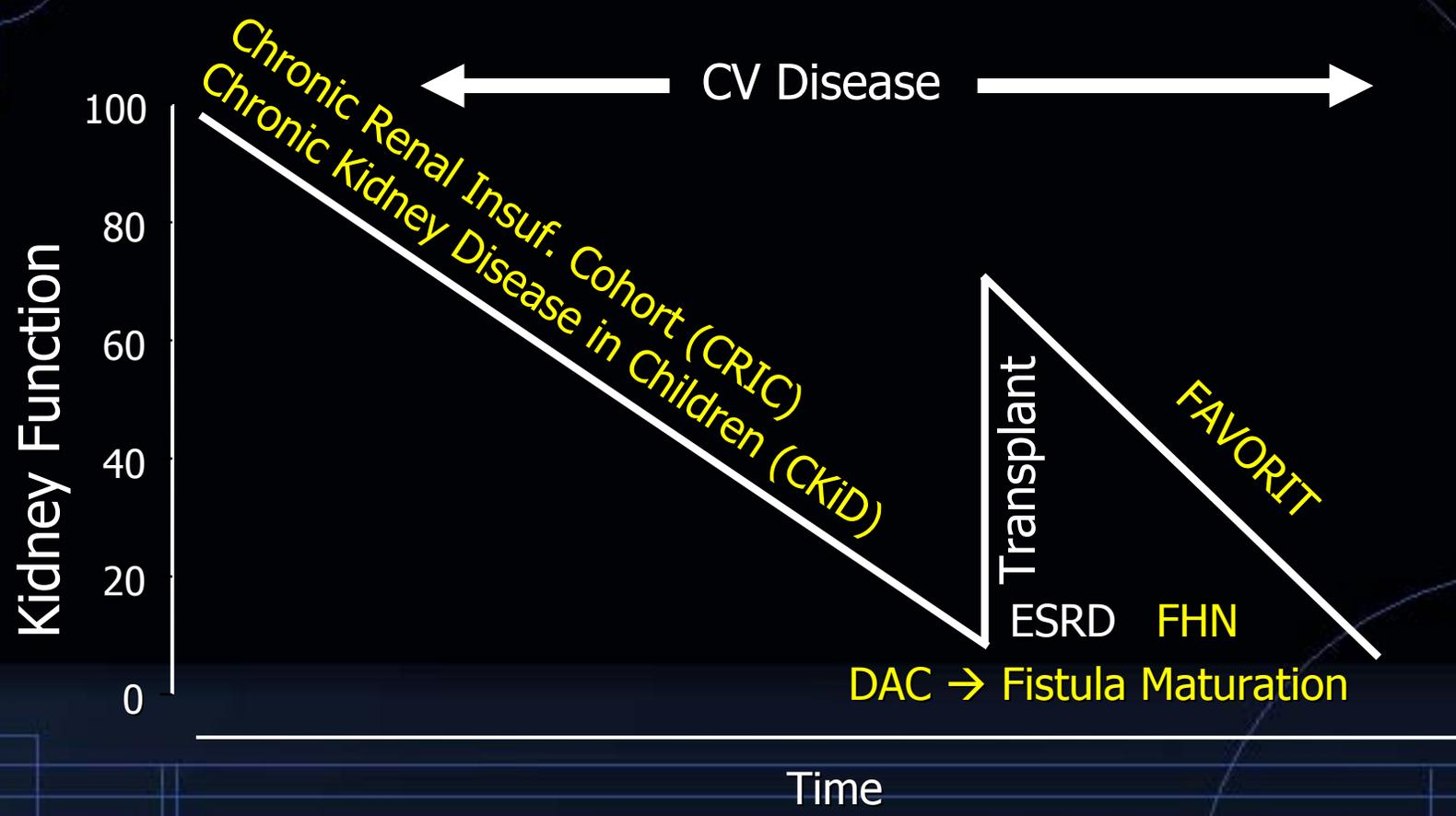
**ONLY YOU
CAN MOVE YOU**

GET PHYSICAL.

ONE HOUR A DAY, EVERY DAY.



Research Opportunities in Chronic Kidney Disease



USRDS, NKDEP



SPRINT

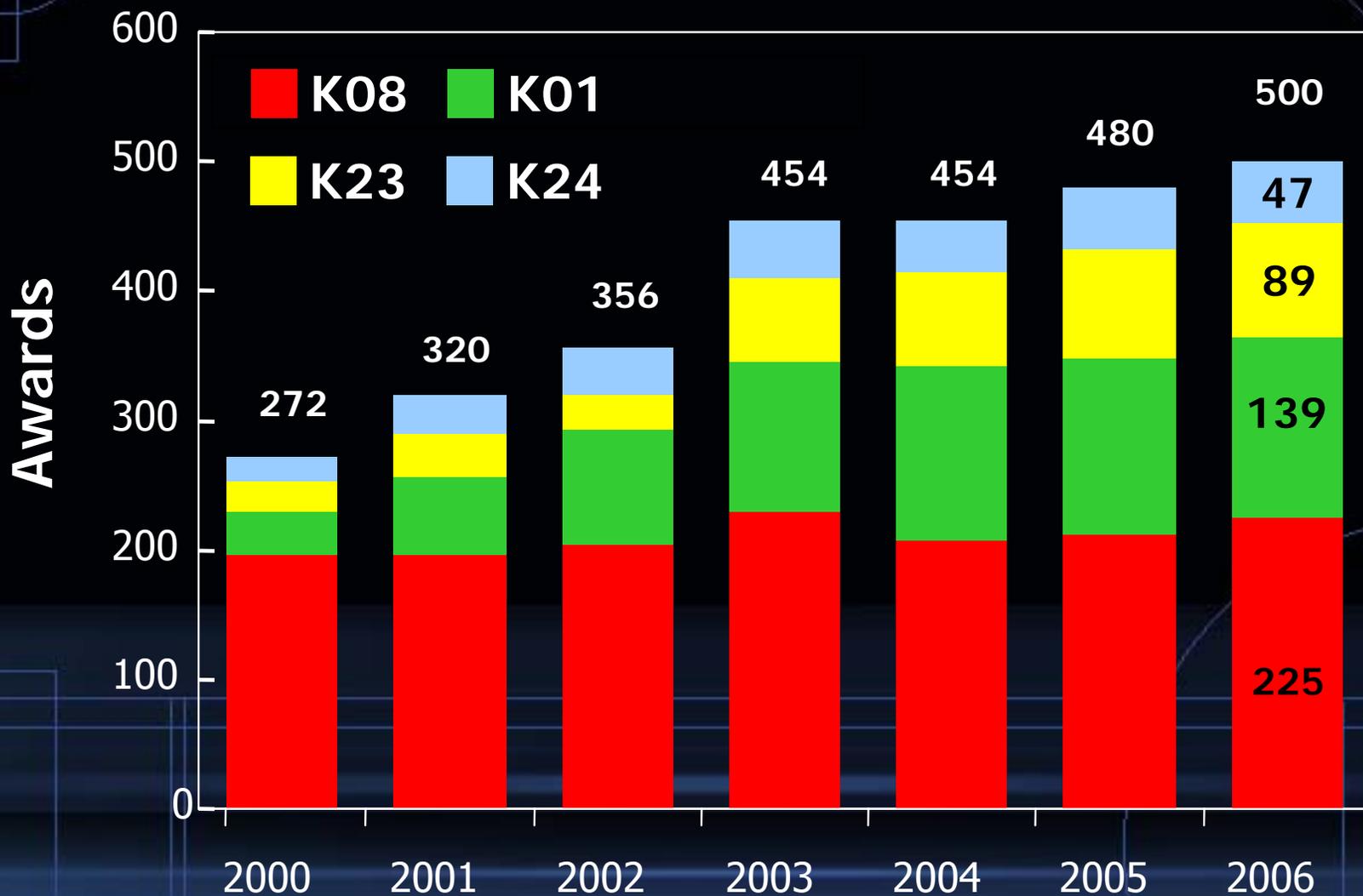


**Preserve a Stable Pool of
Talented New Investigators
and
Foster Exceptional Research
Training and Mentorship
Opportunities**

NIDDK Efforts To Assist New Investigators

- More Liberal Payline for New R01 Grants
- Criterion for Special Emphasis Funding
- NIDDK Contribution to NIH-wide Target of 1,500
- Participation in NIH Pathways to Independence (K99/R00)
- NIDDK Workshop for New Investigators

Total Numbers of NIDDK K Awards



T32 Trainees Who Remained in Research in 2006

- 60% of the cohort of 1,006 individuals who completed training on T32 institutional training grants during FY94-FY05 (80 lost to follow-up).

F32 and K08/K11 Awardees Who Subsequently Obtained NIH Funding

- 41% of the cohort of 256 individuals whose F32 individual fellowship awards ended during 1990-1995 (15 lost to follow-up).
- 54% of the cohort of 140 individuals whose K08/K11 career development awards ended during 1990-1995 (5 lost to follow-up).

F32 and K08/K11 Awardees Who Applied for NIH Funding

- 75% of the F32 awardees who APPLIED for funding were successful (n = 106 of 141)
- 84% of the K-awardees who APPLIED for funding were successful (n = 76 of 90)

NOTE: not all researchers apply for NIH grants

**Ensure Knowledge Dissemination
through
Outreach and Communications**

Weight-control Information Network (WIN)

WIN Weight-control Information Network

Just End For

Ab

WIN Weight-control Information Network

Weight Loss for Life

Gastrointestinal Surgery for Severe Obesity

NIDDK
National Institute of Diabetes and Digestive and Kidney Diseases
NATIONAL INSTITUTES OF HEALTH

WIN Weight-control Information Network

You may be a candidate

Medical Care for Obese Patients

U.S. DEPARTMENT OF HEALTH AND HUMAN SERVICES

WIN Weight-control Information Network

Obesity and Body Mass Index

Body mass index (BMI) predicts the development of weight-related health problems or by using the chart on the right.

The National Institutes of Health's Class II (BMI 30 kg/m² or greater), also

TIPS FOR ADULTS

Healthy Eating & Physical Activity Across Your Lifespan

Better Health and You

WIN Weight-control Information Network

Getting patients to overcome their sense of shame when it comes to discussing food

TIPS FOR OLDER ADULTS

Healthy Eating & Physical Activity Across Your Lifespan

Young at Heart

TIPS FOR PREGNANCY

Healthy Eating & Physical Activity Across Your Lifespan

Fit for Two

WIN Weight-control Information Network

Energize Yourself and your family!

Sisters Together: Move More, Eat Better

Celebrate the Beauty of Youth!

Want to feel better, look better, and have more energy? Moving more and eating better is the best place to start.

Why Move More and Eat Better?

Being physically active and making smart food choices is good for your health. But that is not the only reason to move more and eat better. You can:

- have more energy
- look good in hip, trendy clothes
- tone your body (without losing your curves)
- reduce stress, boredom, or the blues
- feel good about yourself.

Tips on Moving More

Physical activity can be fun! Do things you enjoy like:

- dancing
- playing sports
- rollerblading
- bicycling
- fast walking
- swimming.

If you can, be physically active with a friend or group. That way, you can cheer each other on, have company, and feel safer when you are outdoors. Find a local school track where you can walk or run, go for a stroll in a local park, or join a recreation center near your home or work.

Think you do not have time for physical activity? It is easy to move more by making these small changes to your daily routine.

- Get off the bus or subway one stop early and walk the rest of the way (the sunnier the area is safer).
- Park your car farther away and walk to your destination.
- Walk to each end of the mall when you go shopping.

Look Good as You Get Fit

If you avoid physical activity because you do not want to ruin your hairstyle, try:

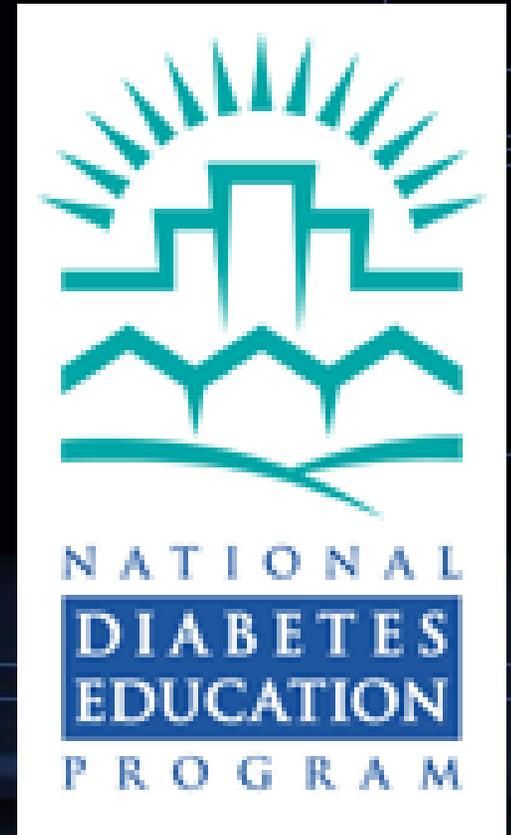
- a natural hairstyle
- a style that can be wrapped or pulled back
- a short haircut
- braids, twists, or locs.

TIP: Day-to-day activities can count! Fold up in your back. To remove salt, shampoo with a mild, pH-balanced product at least once a week.

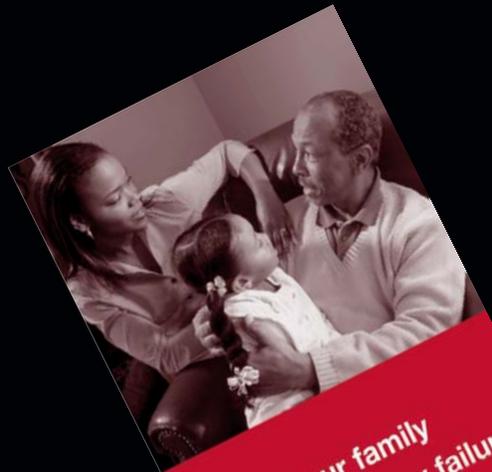
Fit and Fabulous!

as you mature

National Diabetes Education Program (NDEP)



National Kidney Disease Education Program (NKDEP)



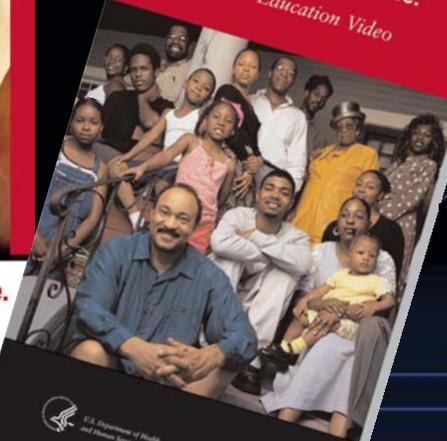
Help your family prevent kidney failure



Help your family prevent kidney failure.

National Kidney Disease Education Program
National Institutes of Health
U.S. Department of Health and Human Services

You Have The Power To Prevent Kidney Disease:
A Health Education Video



Help your family prevent kidney failure.

Kidney disease runs in families. Even if only one person in a family has kidney failure, all blood relatives should be tested for kidney disease. With early treatment, kidney disease can be slowed and dialysis or a transplant may be avoided. So talk to your family members about getting tested for kidney disease. You could save their lives. To learn more, call the National Kidney Disease Education Program toll-free at 1-866-454-3639.

The National Kidney Disease Education Program is an initiative of the National Institutes of Health, U.S. Department of Health and Human Services.



U.S. Department of Health and Human Services
National Institutes of Health



NIDDK



NKDEP



U.S. Department of Health and Human Services



National Institute of Diabetes and Digestive and Kidney Diseases



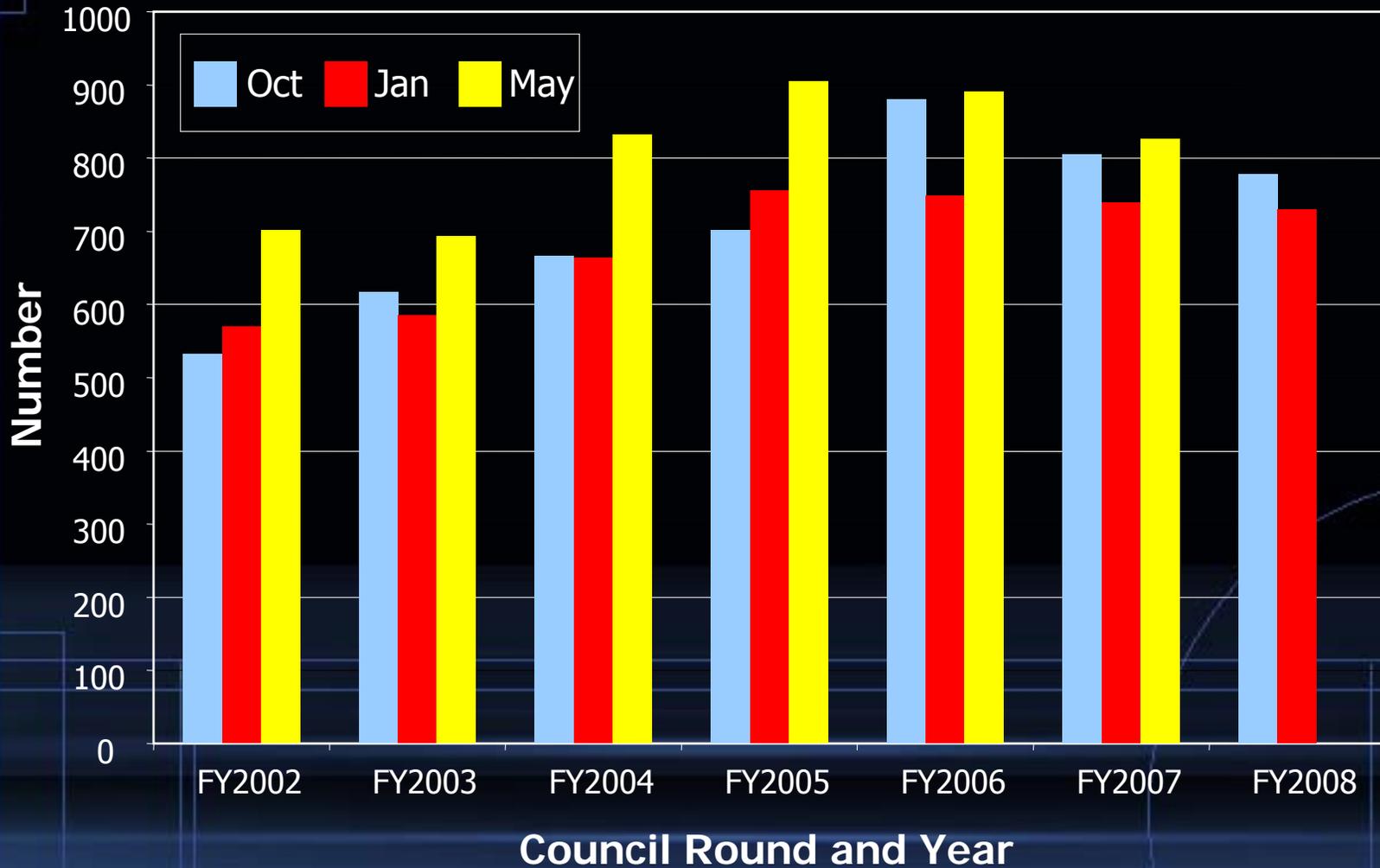
National Institutes of Health



National Kidney Disease Education Program

R01 Applications Received by Council Round

Unsolicited, PA and PAR; Type 1,2,9; primary only

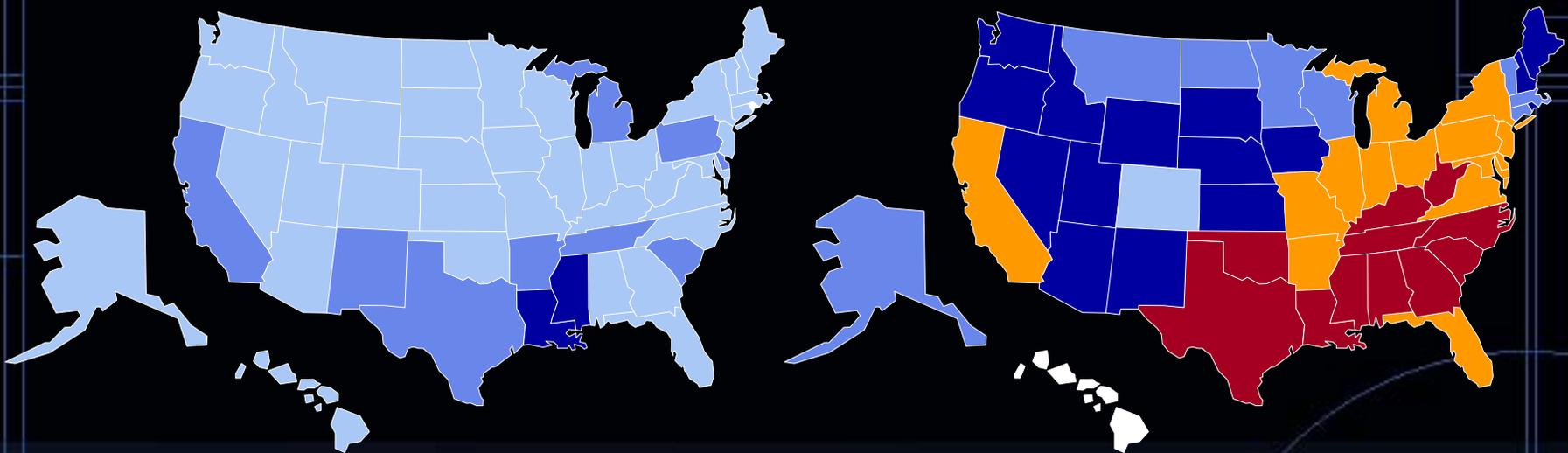


Estimates of Diagnosed Diabetes Among Adults in the U.S.

Diagnosed Diabetes per 100 Adults

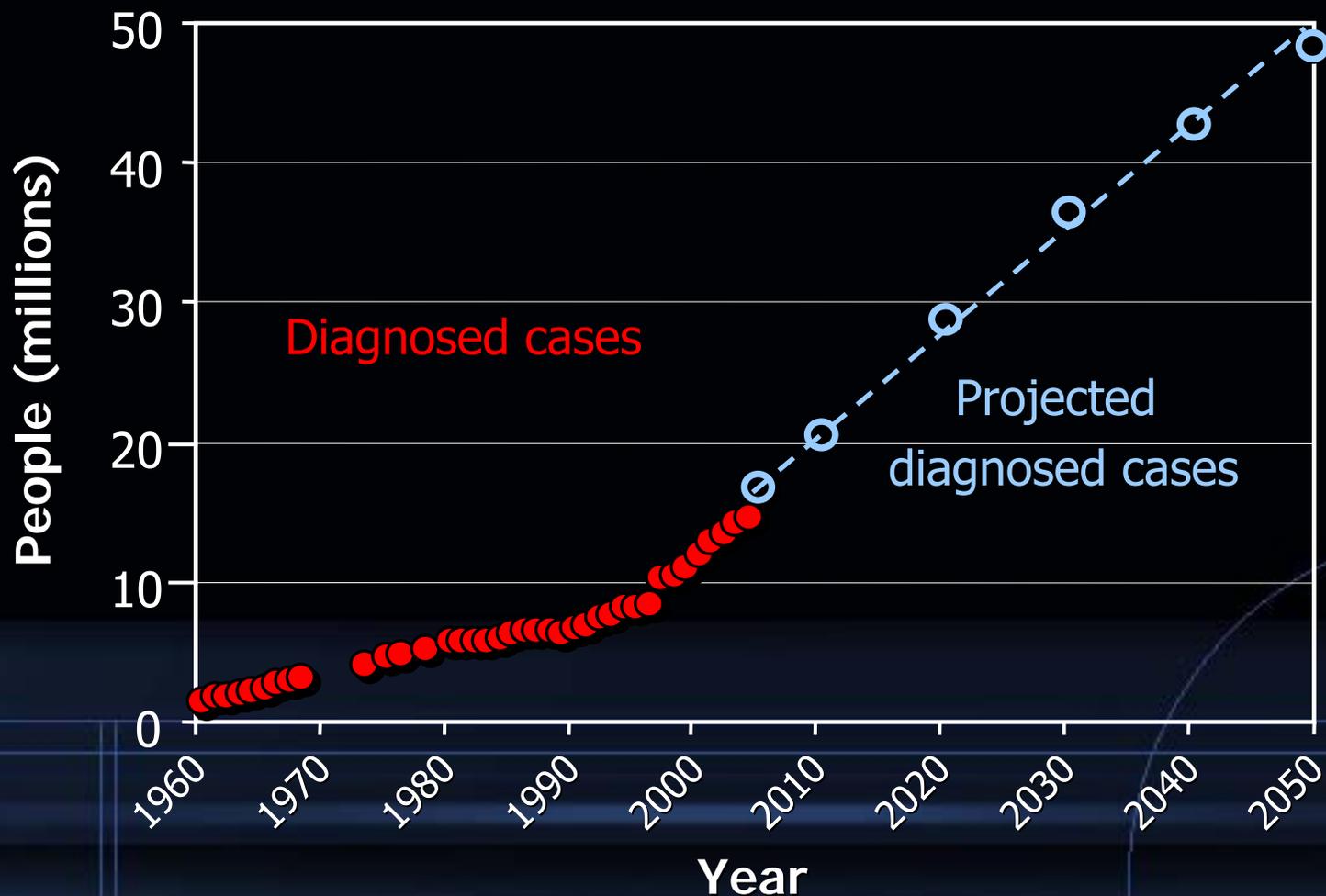
1994

2005



Diagnosed Diabetes in the U.S.

Diagnosed (1960-2004) and
Projected Diagnosed (2005-2050) Cases

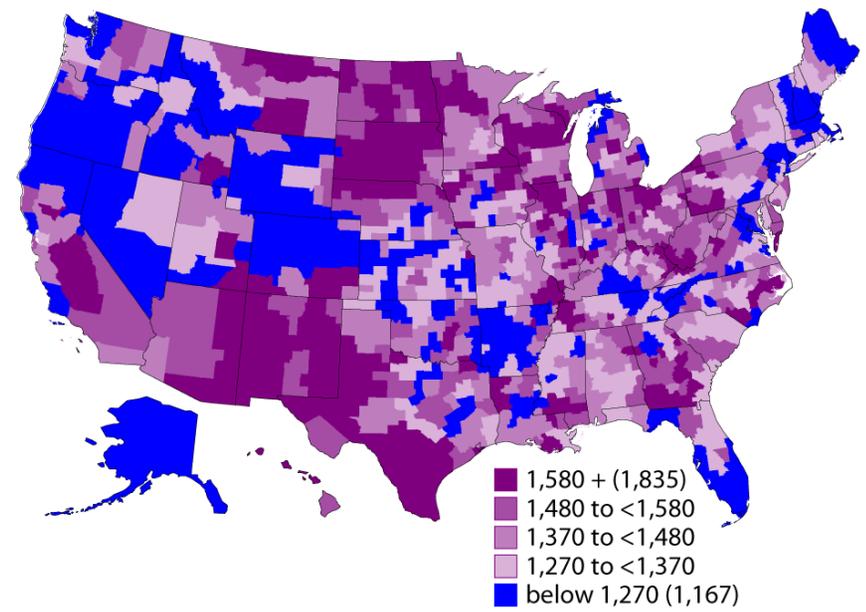
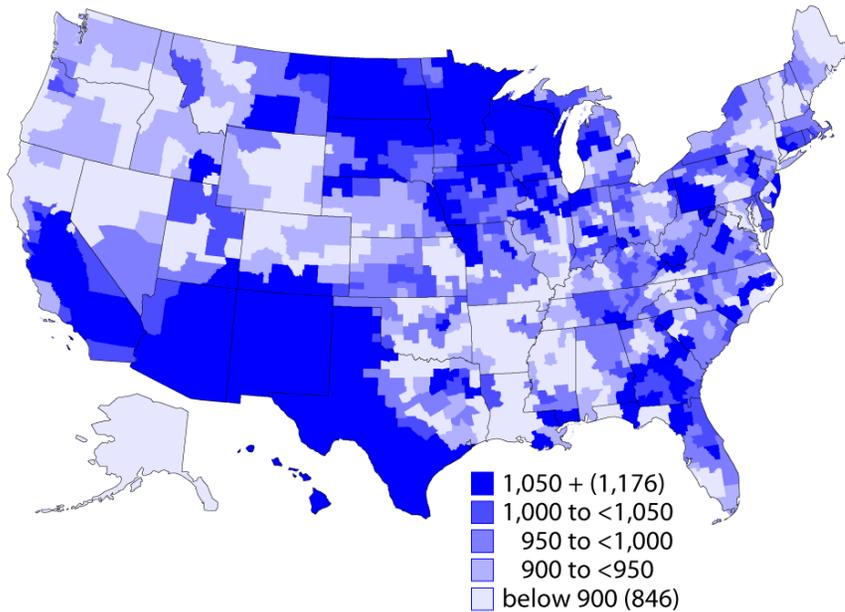


End-stage Renal Disease in the U.S.

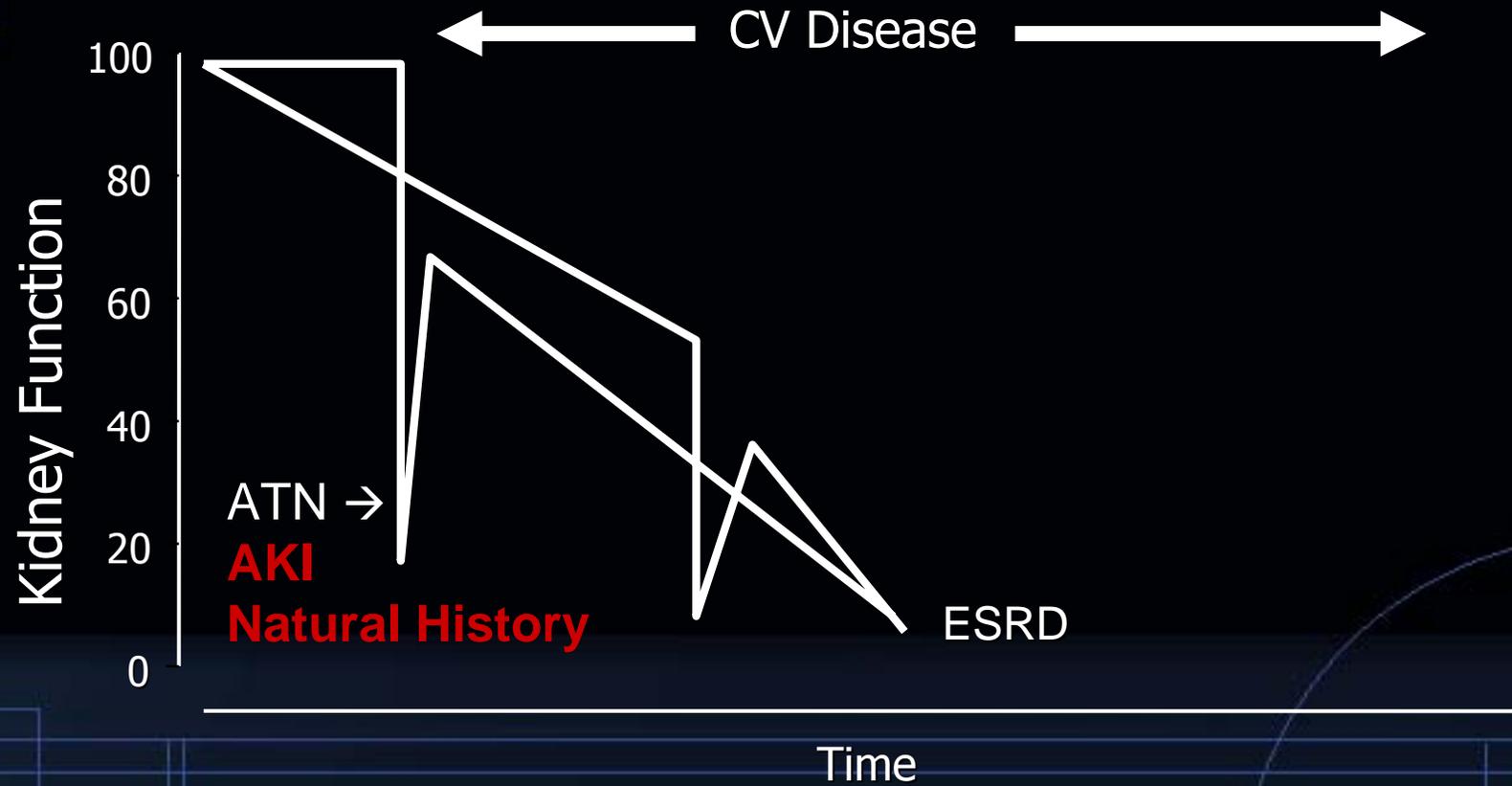
Number of Patients per Million Population

1993

2003



Research Opportunities in Acute Kidney Injury



USRDS,
NKDEP,
FIND



SPRINT

