

# Advancing Cardiovascular Care of the Oncology Patient

## *Why Are We 'Here?' The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

**President-Elect**

**American College of Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Advancing Cardiovascular Care of the Oncology Patient

## *Why Are 'We' Here? The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

**President-Elect**

**American College of Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Advancing Cardiovascular Care of the Oncology Patient

## *'Why' Are We Here? The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

**President-Elect**

**American College of Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Advancing Cardiovascular Care of the Oncology Patient

## *Why Are We 'Here?' The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

**President-Elect**

**American College of Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

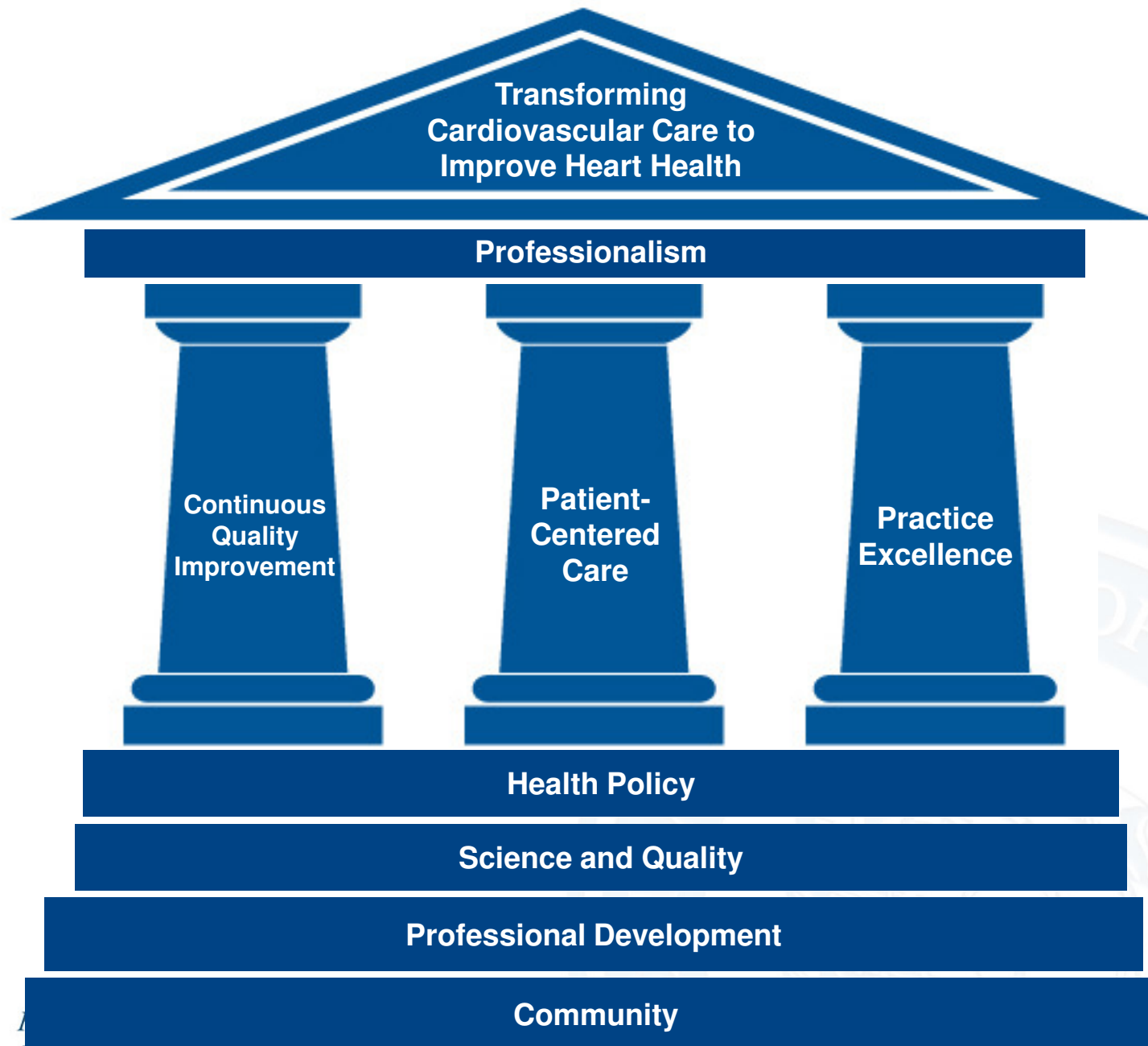
# Our Mission

To Transform  
Cardiovascular Care  
and Improve Heart  
Health



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*





*Learn. Advance. Heal.*



# The American College of Cardiology Strategic Plan



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# **Current ACC Section Leadership Councils and Sections**

- **Academic Cardiology**
- **Adult Congenital and Pediatric Cardiology**
- **Cardio-Oncology**
- **Cardiovascular Care Team**
- **Cardiovascular Imaging**
- **Cardiovascular Management**
- **Cardiovascular Training**
- **Early Career Professionals**
- **Electrophysiology**
- **Federal Cardiology**
- **Fellows in Training**
- **Geriatric Cardiology**
- **Heart Failure and Transplant**
- **Interventional**
- **Peripheral Vascular Disease**
- **Prevention**
- **Sports and Exercise Cardiology**
- **Surgeons' Scientific**
- **Women in Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*



# Advancing Cardiovascular Care of the Oncology Patient

## *Why Are 'We' Here? The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

**President-Elect**

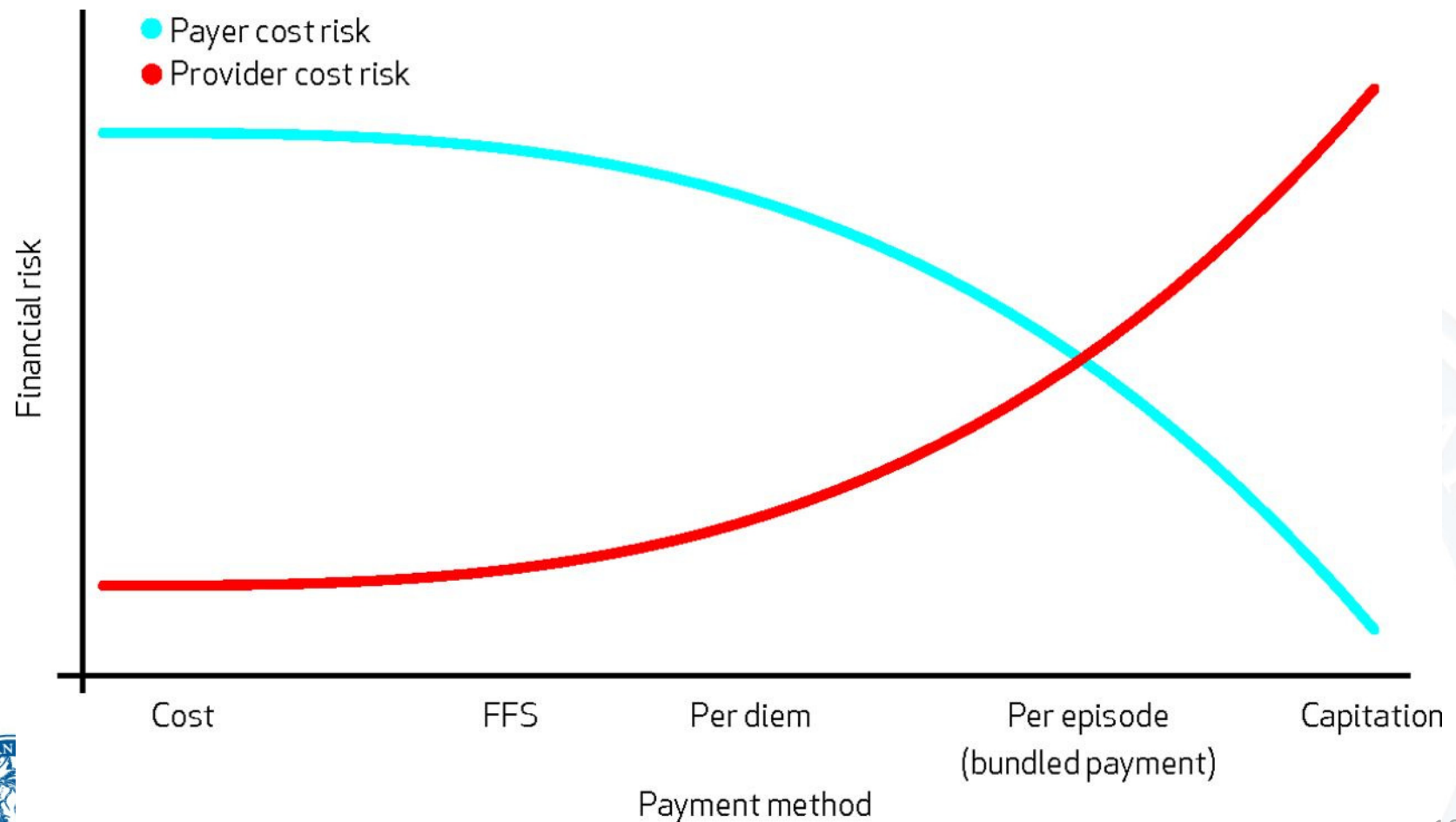
**American College of Cardiology**



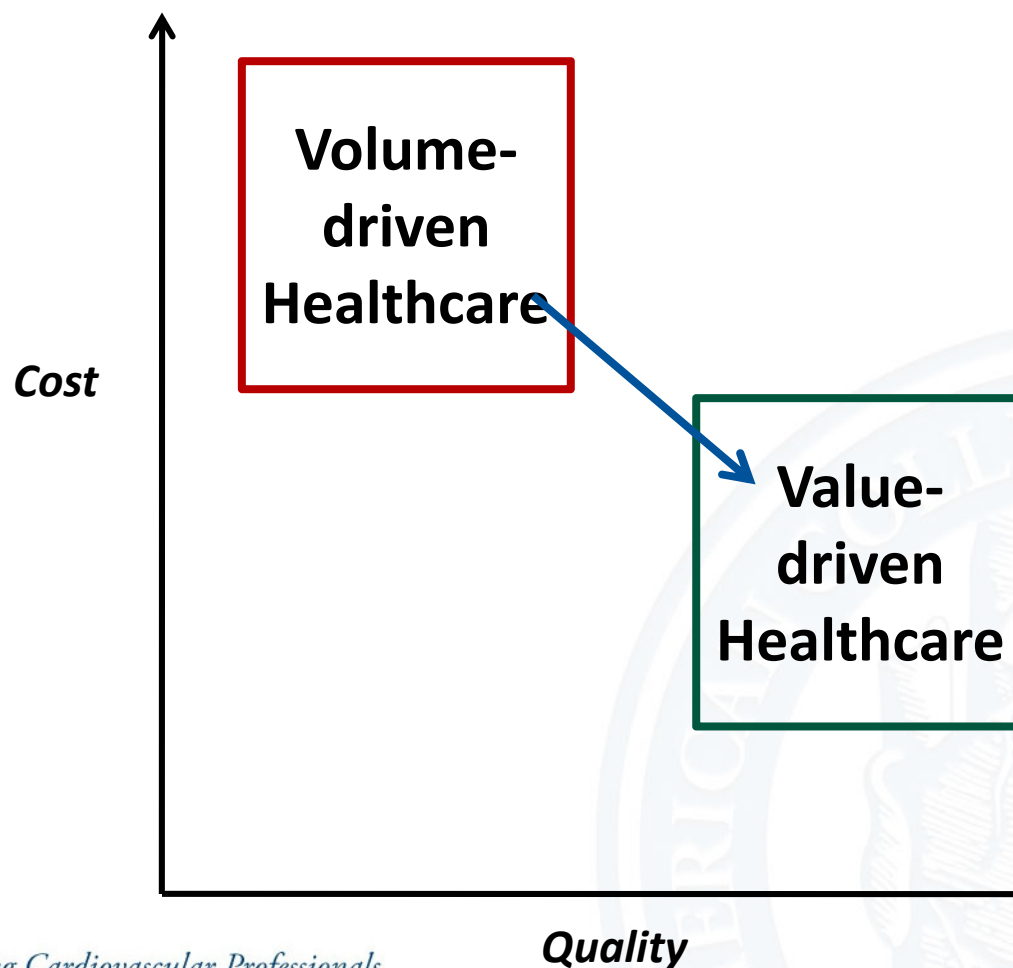
*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Financial risk is shifting from payors to providers

Financial Risk Of Care For Provider And Payer, By Payment Method.



# Payment is Transitioning From Volume-Driven to Value-Driven



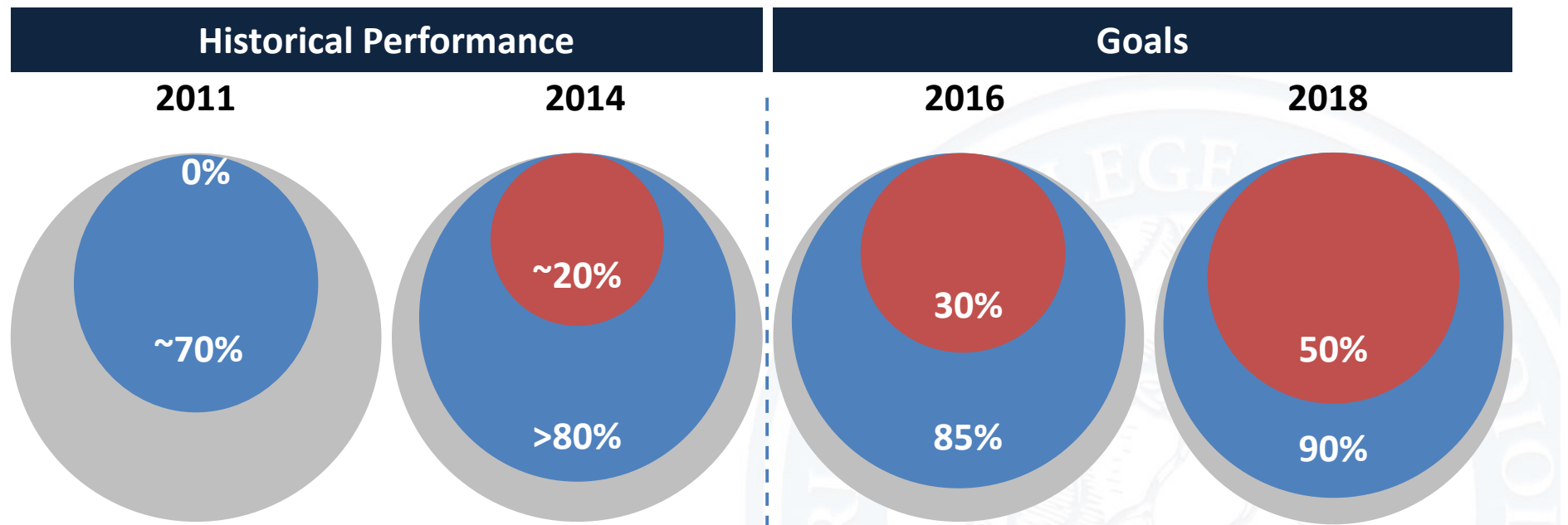
*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*



# A National Transition to Value-Based Reimbursement

CMS Timeline Expects By 2018, 50% of Payments in Alternative Payment Models

- Payments linked to alternative payment models
- Fee-for-Service ("FFS") linked to quality
- All Medicare FFS

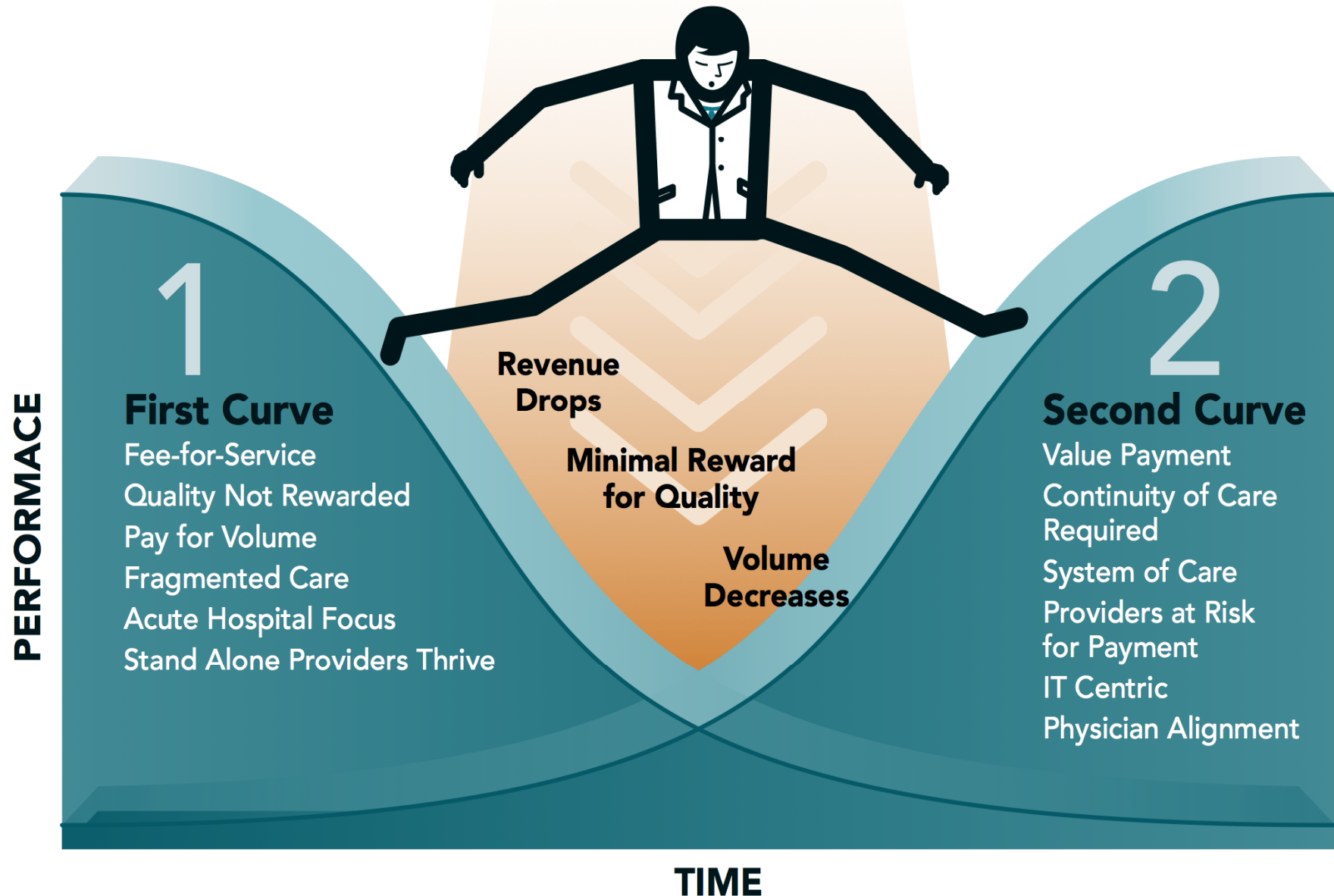


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

Source: Centers for Medicare and Medicaid Innovation ("CMMI") Center, Bundled Payment Summit, June 2015

# THE CURVE

STRADDLE



# Team Based Care



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*





# The Team Will See You Now



Patients Are Looked After by a Team of Medical Professionals  
At Union Square Family Health Center in Somerville, Mass.

<b>Doctor</b> Kirsten Meisinger, supervises the medical team. She also diagnoses patients, performs procedures and prescribes medications.	<b>Social Worker</b> Paula Coutinho assists patients with needs like transportation and financial assistance. She also connects patients to behavioral health services for depression.	<b>Physician Assistant</b> Juliane Liberus handles routine consultations, manages lab results and helps patients with chronic diseases. She is the point person when the doctor isn't available.	<b>Pharmacist</b> Joseph Falinski advises patients on how to take drugs correctly and possible side effects and interactions. He can adjust dosages and help manage conditions like chronic pain.	<b>Medical Assistant</b> Fabiola Marcelin takes patients' vital signs and prepares them to see the doctor. A trained phlebotomist, she does blood work and tracks follow-up appointments.	<b>Registered Nurse</b> Amberly Killmer performs triage and directs some routine patient visits like prenatal counseling. She helps patients adopt healthier lifestyles.
---	---	---	--	--	---



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

WSJ Feb 18, 2014



# Need for Team-Based Care

**Table 6. Average U.S. Staffing by Practice Size: Role Composition**

	Total (%)	Small Program ( <4 staff) n=107 (%)	Small-Medium Program (4–10 staff) n=86 (%)	Medium Program (11–20 staff) n=45 (%)	Large Program ( >20 staff) n=14 (%)
MD/DO FTEs	28.0	29.6	25.5	29.4	28.4
NP/PA FTEs	23.3	29.2	23.6	20.6	24.0
RN coordinator FTEs	27.6	21.4	24.4	29.3	33.0
Financial consultant	3.1	0.2	3.6	3.9	2.7
Social worker	5.2	2.8	6.1	5.4	5.1
Exercise physiologist	2.2	3.2	2.9	1.8	1.3
Nutritionist	3.8	5.1	4.9	3.3	2.1
Psychologist	2.7	2.8	3.2	3.0	1.5
Pharmacologist	4.1	5.6	5.8	3.3	1.8
Total no. of staff	2,386	298	762	826	500

DO indicates doctor of osteopathy; FTE, full-time equivalent; MD, medical doctor; NP, nurse practitioner; PA, physician assistant; and RN, registered nurse.



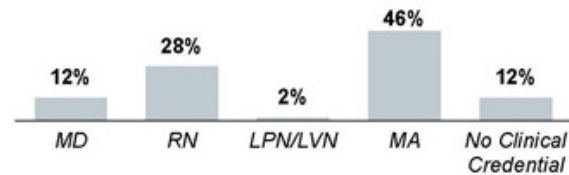
*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

J Am Coll Cardiol 2011;57:2115–24

# Working to the top of your license

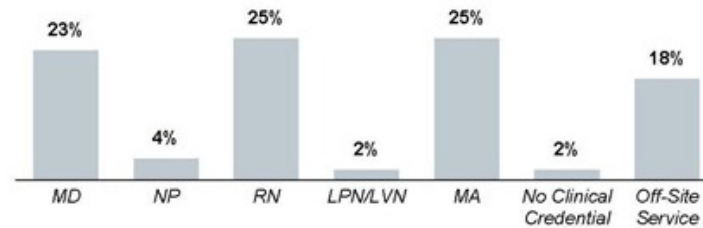
## Pre-visit chart review

N= 55



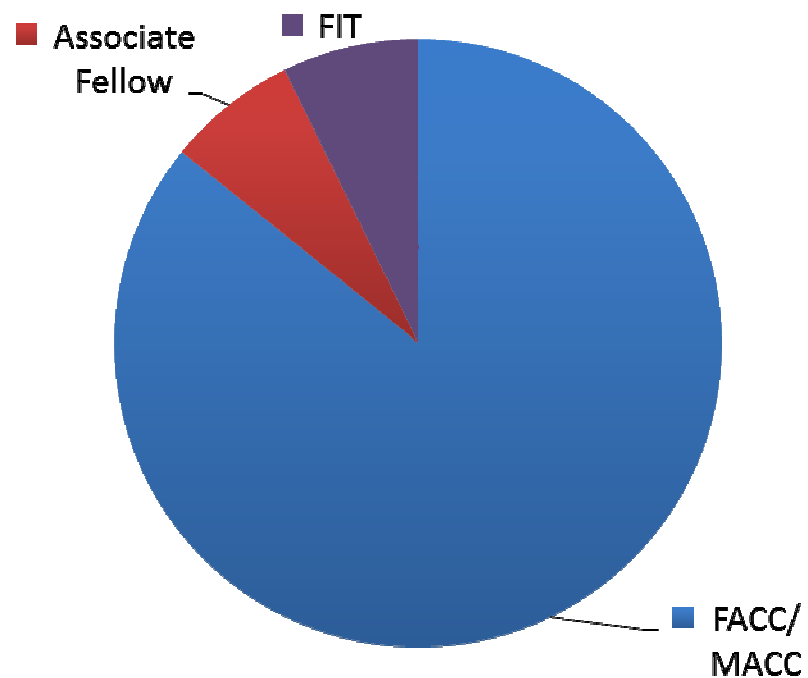
## Patient self-management support

N= 55

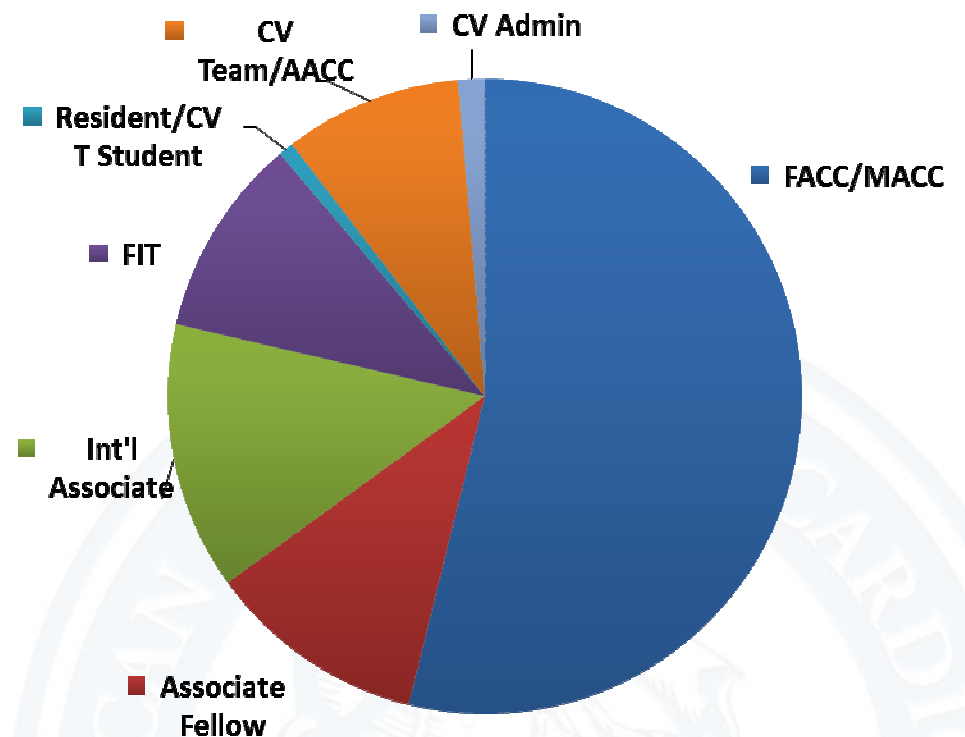


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

## ACC in 2000 (26,000 Members)



## ACC in 2016 (52,000+ Members)



Source (Right): Data compiled from 2015 Year End Official Member Count



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Advancing Cardiovascular Care of the Oncology Patient

## *'Why' Are We Here? The Intersection Between Cardiology and Oncology*

*Feb 17, 2017*

***Mary Norine Walsh, MD, FACC***

Medical Director, HF and Cardiac Transplantation  
St . Vincent Heart Center, Indianapolis, IN

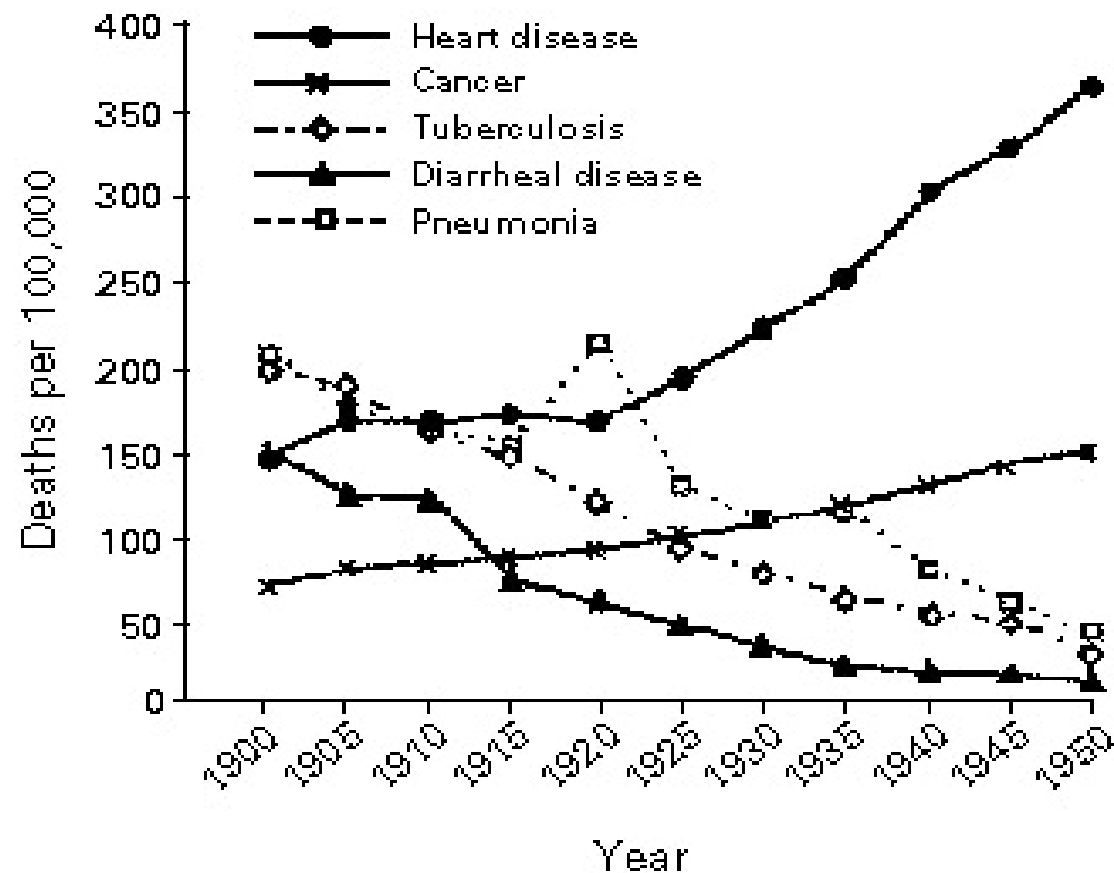
**President-Elect**

**American College of Cardiology**



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Crude Death Rates for Leading Causes of Death in the United States from 1900 to 1950

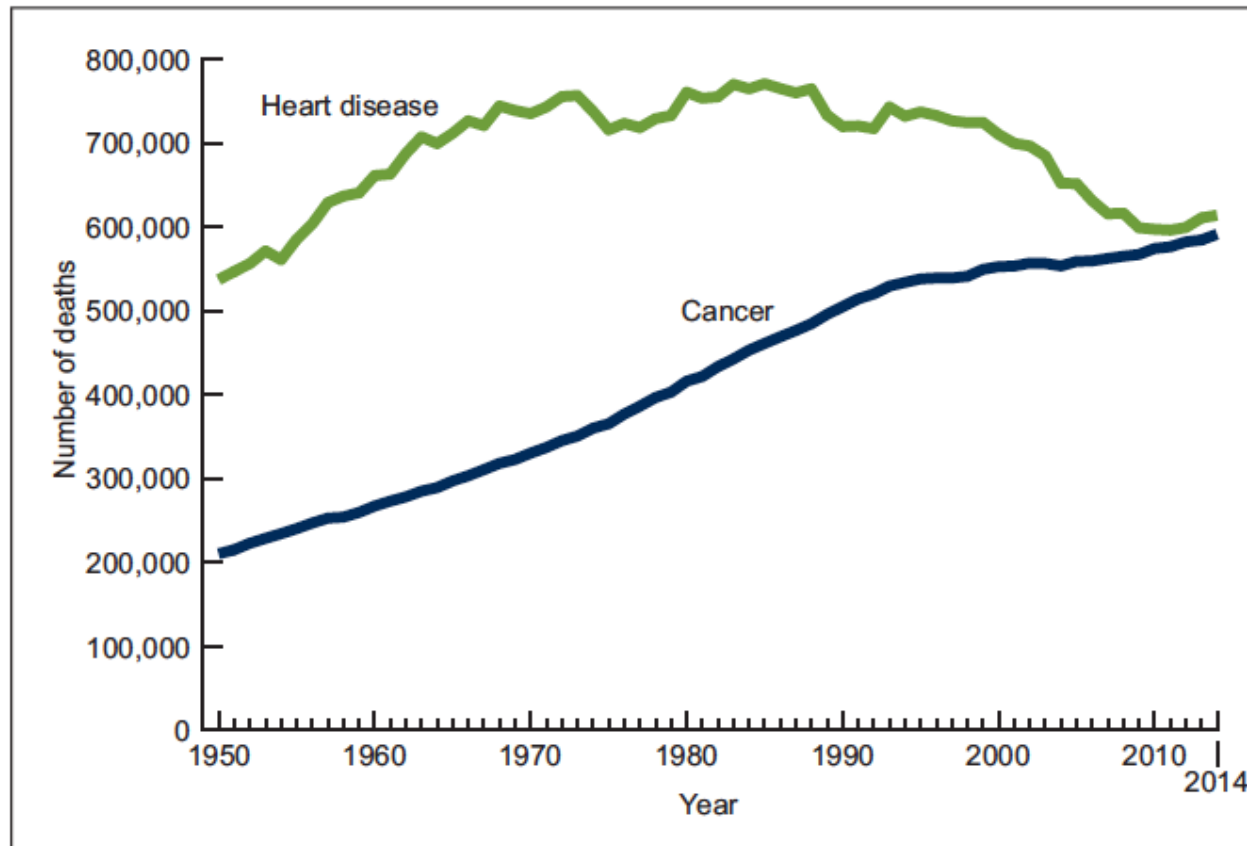


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

Braunwald E. N Engl J Med 1997;337:1360-1369.



Figure 1. Number of deaths due to heart disease and cancer: United States, 1950–2014



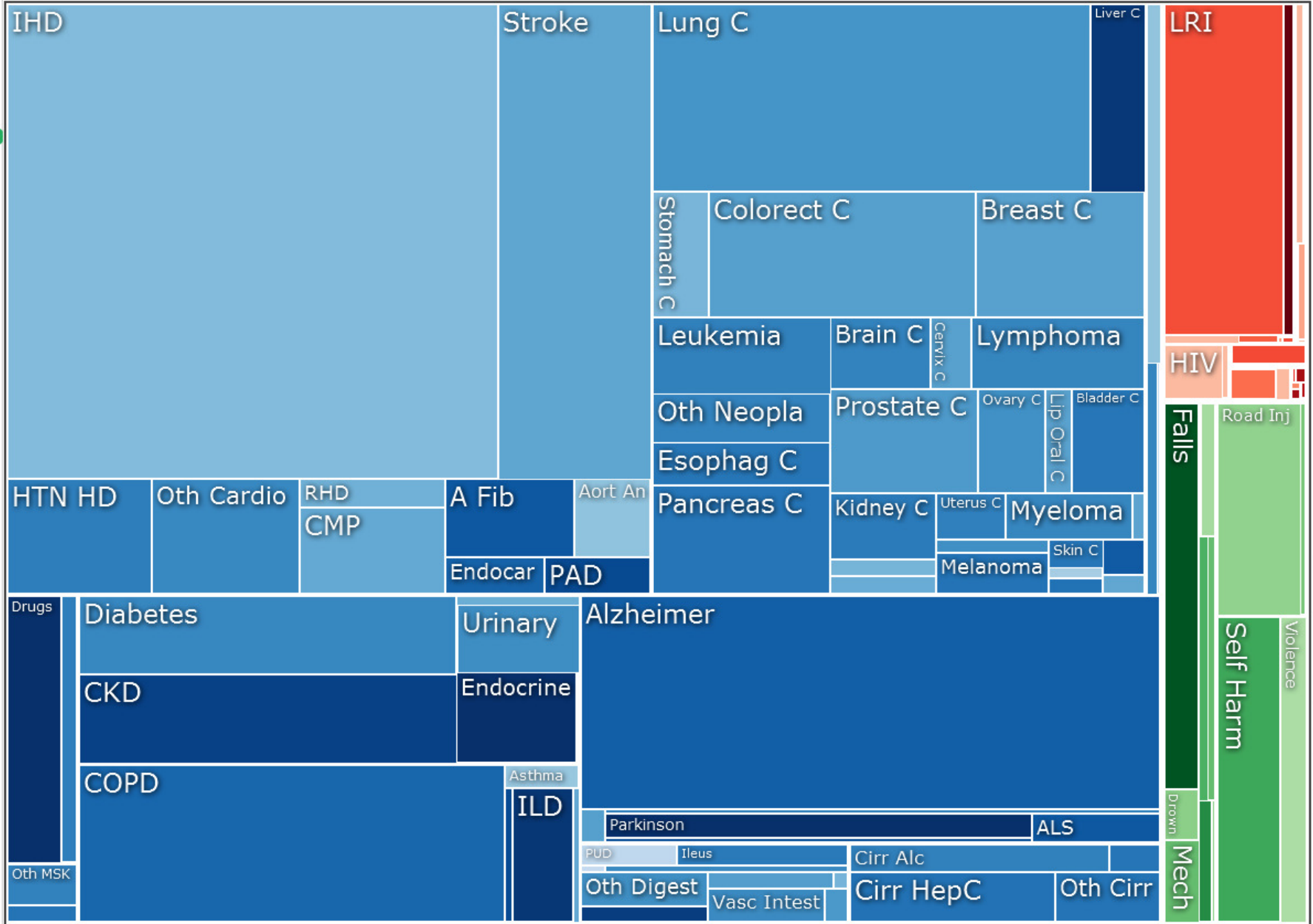
NOTES: Leading cause is based on number of deaths. Access data table for Figure 1 at: [http://www.cdc.gov/nchs/data/databriefs/db254\\_table.pdf#1](http://www.cdc.gov/nchs/data/databriefs/db254_table.pdf#1).

SOURCE: NCHS, National Vital Statistics System, Mortality.



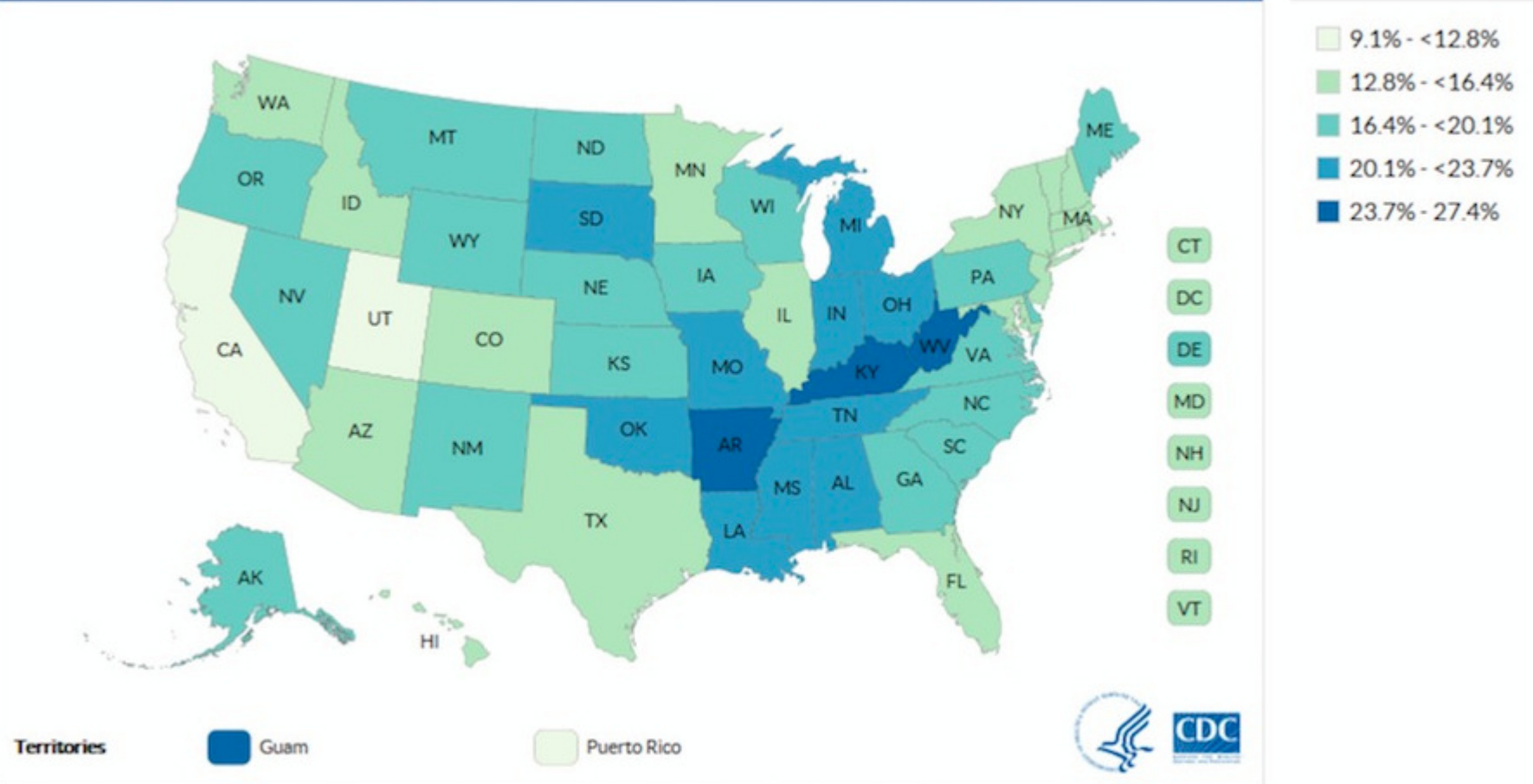
*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

United States  
Both sexes, All ages, 2015, Deaths



## Current Cigarette Use Among Adults (Behavior Risk Factor Surveillance System) 2015

### About This Map



The figure presents the percentage of adults in each state who were current smokers in 2015.<sup>3</sup>

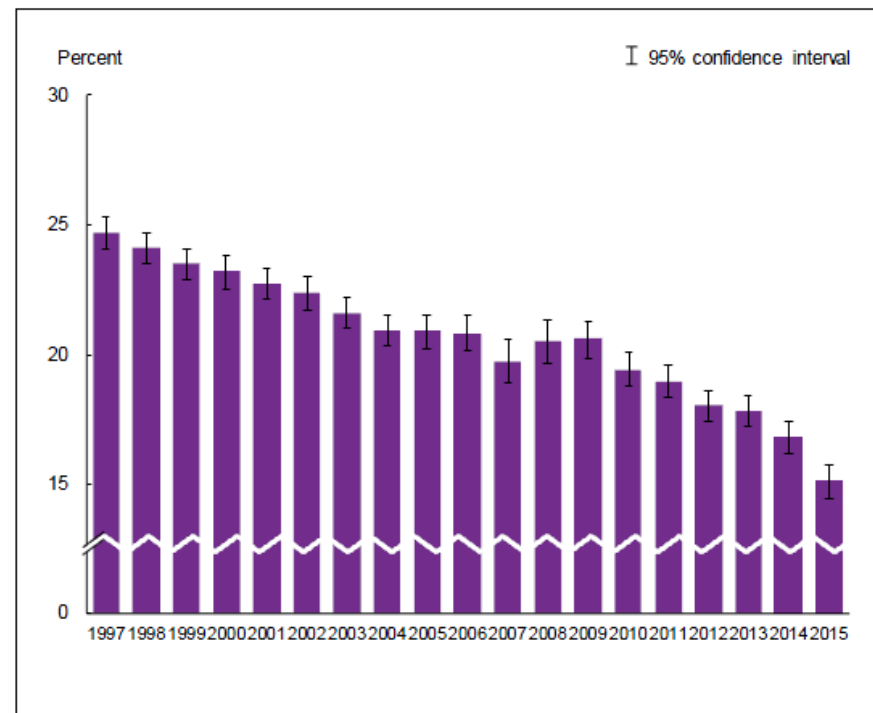


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Current Smoking: NHIS

## Current smoking

Figure 8.1. Prevalence of current cigarette smoking among adults aged 18 and over: United States, 1997–2015



NOTES: Data are based on household interviews of a sample of the civilian noninstitutionalized population. Current cigarette smokers were defined as those who had smoked more than 100 cigarettes in their lifetime and now smoke every day or some days. The analyses exclude persons with unknown cigarette smoking status (about 2% of respondents each year). See [Technical Notes](#) for more details.

DATA SOURCE: NCHS, National Health Interview Survey, 1997–2015, Sample Adult Core component.

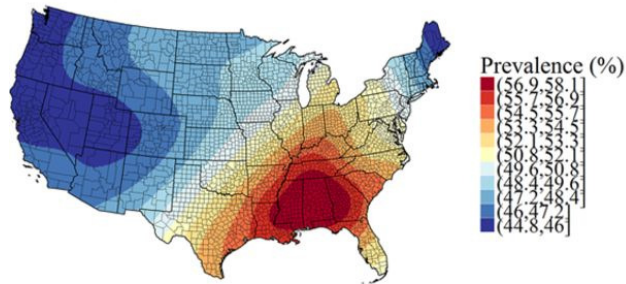


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

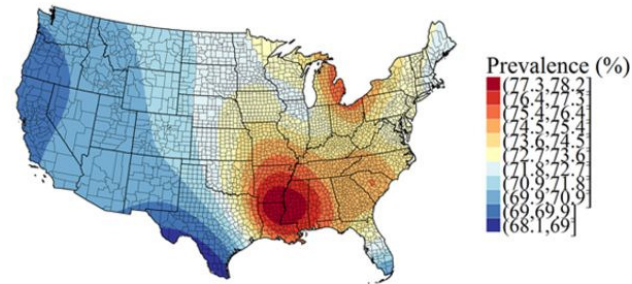


# Maps of estimated hypertension, diabetes mellitus, and current smoking prevalence among whites and blacks, adjusted for age and sex.

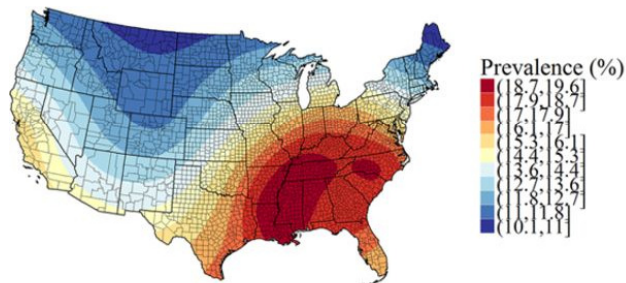
**Hypertension in whites**



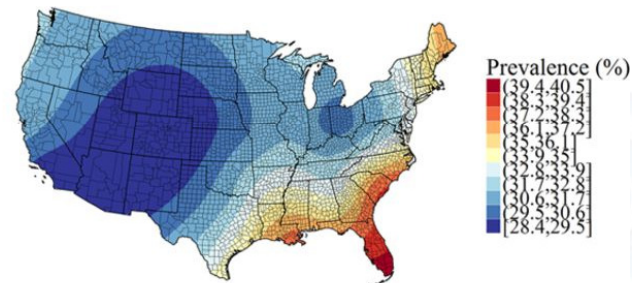
**Hypertension in blacks**



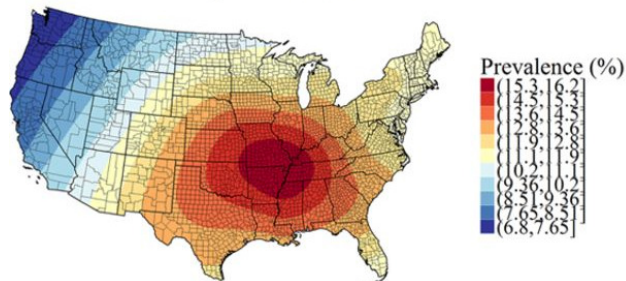
**Diabetes in whites**



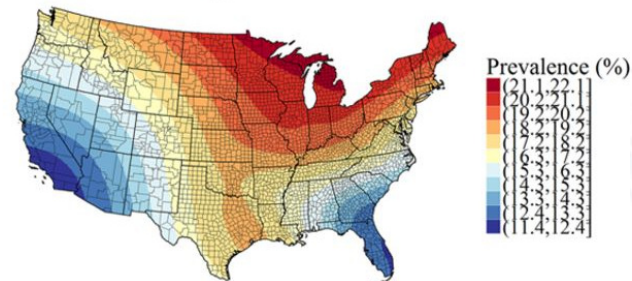
**Diabetes in blacks**



**Smoking in whites**



**Smoking in blacks**

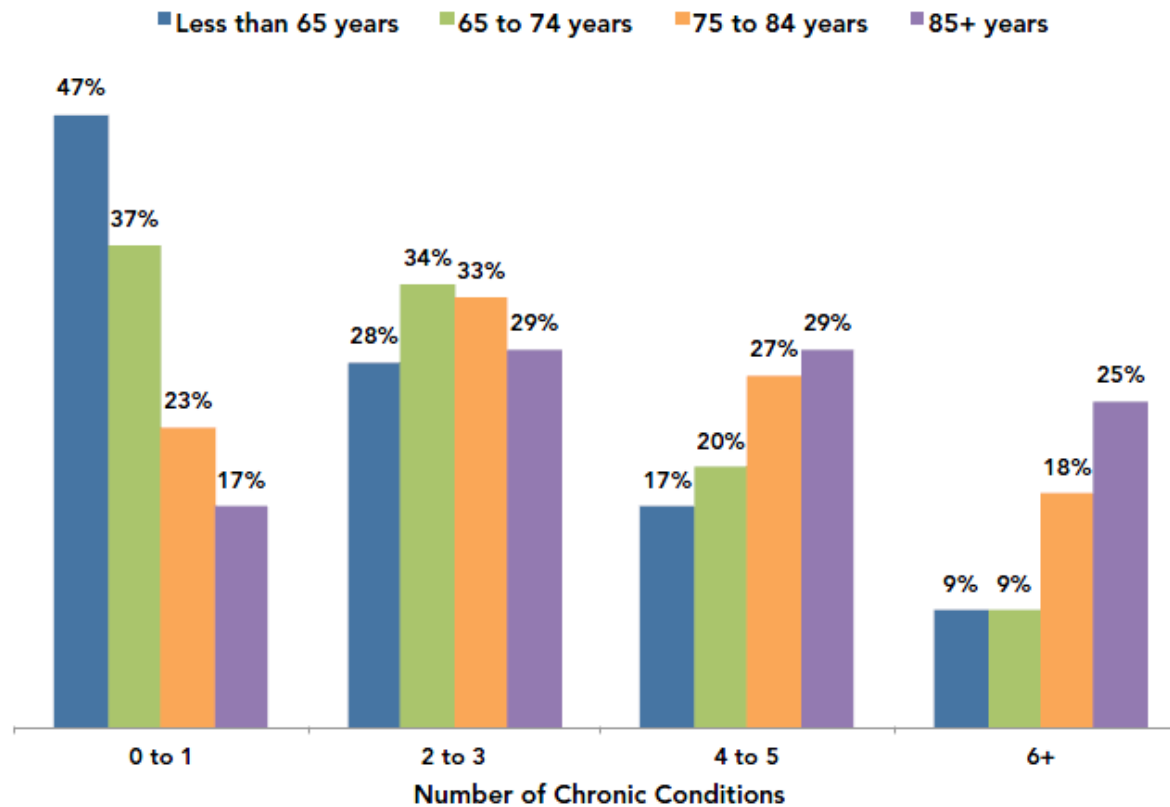


*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

**Matthew Shane Loop et al. Circ Cardiovasc Qual  
Outcomes. 2017;10:e003350**

# Number of Chronic Conditions in Medicare FFS Beneficiaries 2010 by Age

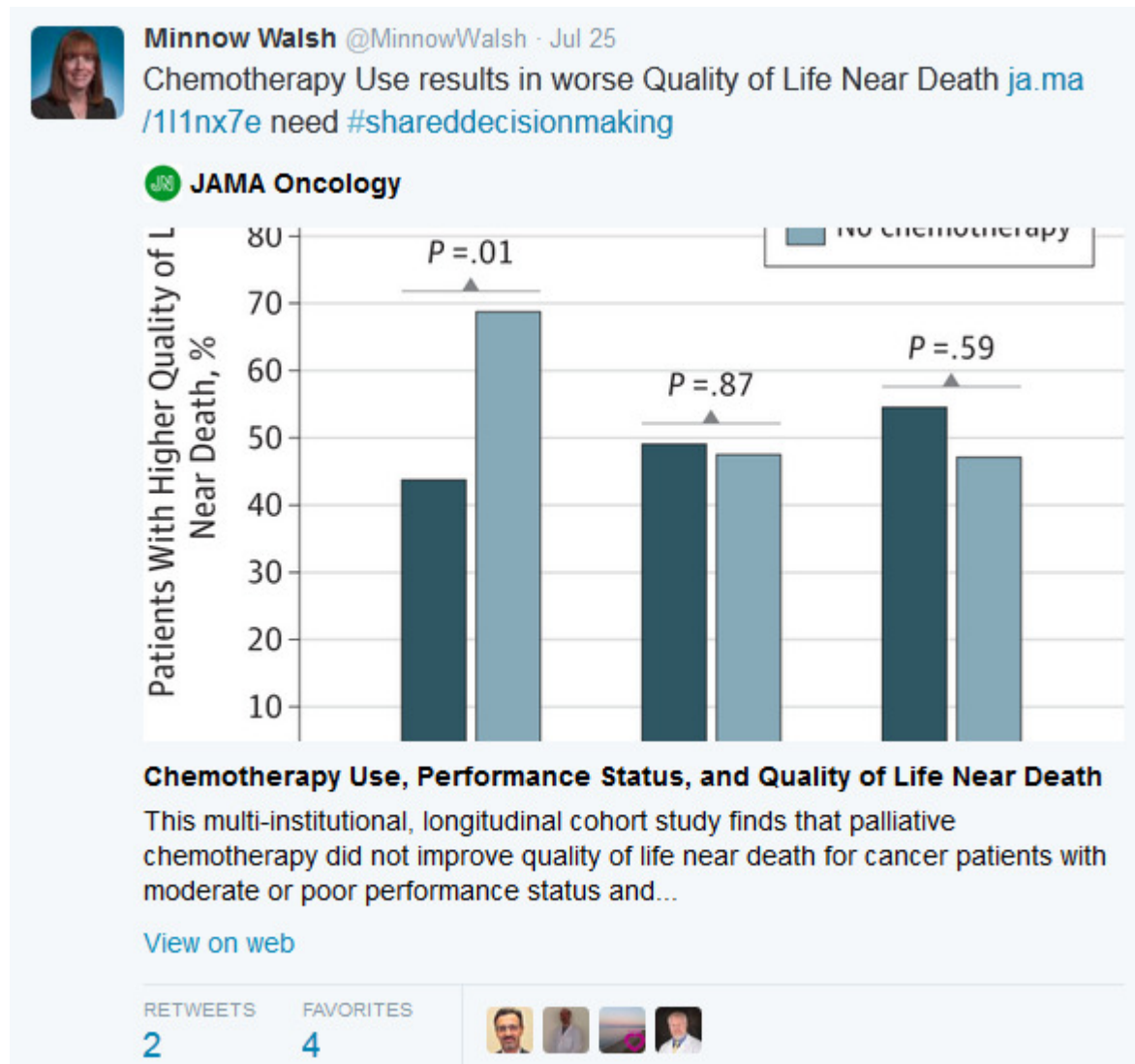
**Figure 1.2b** Percentage of Medicare FFS Beneficiaries by Number of Chronic Conditions and Age: 2010



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*



# Palliative Chemotherapy Does Not Improve Quality of Life



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*

# Patient Centered Care



*Helping Cardiovascular Professionals  
Learn. Advance. Heal.*