

Trends and Innovation in the U.S. Healthcare System

2018 Casualty Loss Reserve Seminar

Anaheim, California

September 6, 2018



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Speakers



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Learning Objectives



Understand the stakeholders underlying the U.S. health insurance marketplace

Understand the impacts of U.S. healthcare reform



Learn about trends and innovations affecting the U.S. healthcare system



OVERVIEW OF THE U.S. HEALTHCARE SYSTEM



U.S. Health Expenditures

	1960
National Health Expenditure	\$27.2B
% of GDP	5.0%
\$/Person (today's \$)	\$146.24 (\$1,143)



U.S. Health Expenditures

	1960	2016
National Health Expenditure	\$27.2B	\$3,370B
% of GDP	5.0%	17.9%
\$/Person (today's \$)	\$146.24 (\$1,143)	\$10,539

Annual per-person spending in 2016 was **9 times** what it was in 1960



Types of Expenditures

Hospital Care

Professional Services

Prescription Drugs

Nursing Care Facilities

Personal Care

Dental Care

Home Health Care

Other Settings

Durable Medical Equipment

Medical Supplies

OTC Drugs/Supplies



Scope and Scale

5,500
hospitals

14.4 million
workers

895,000
physicians

2,900 mental
health
facilities

895,000
hospital beds

15,900
nursing
homes

2.7 million
registered
nurses

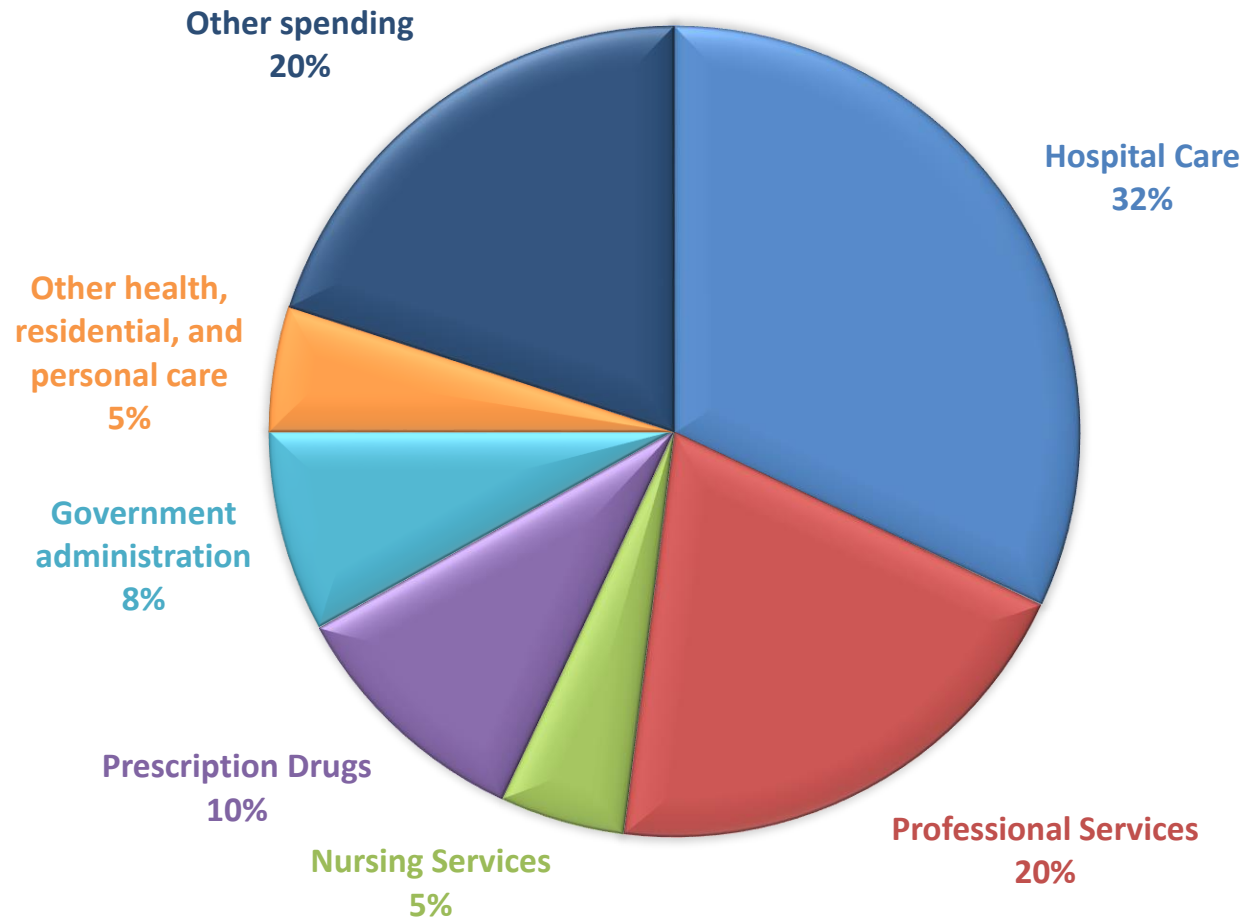
9,000 urgent
care centers

552,000
mental health
professionals



U.S. Health Expenditures

By Type of Expenditure

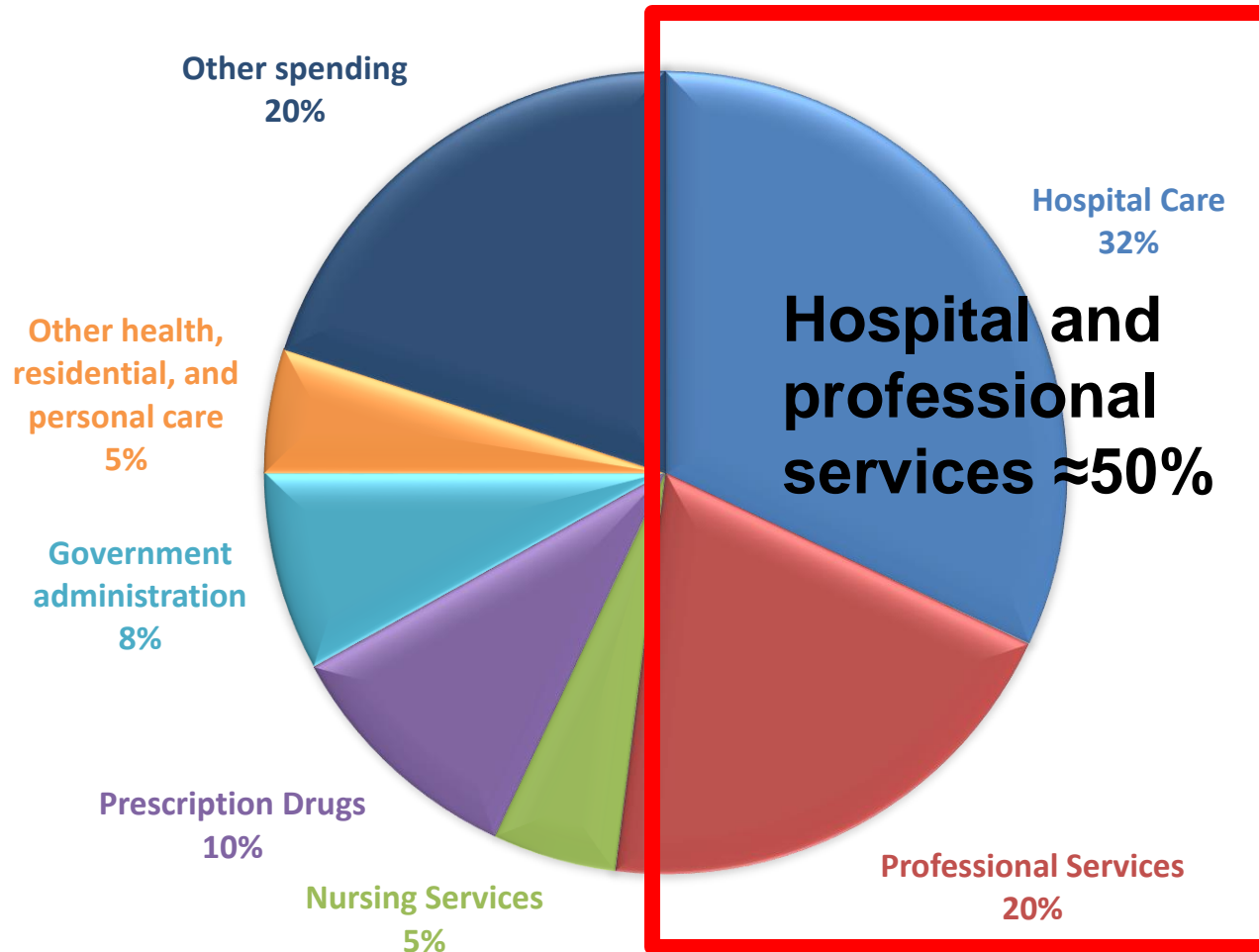


Source: Centers for Medicare and Medicaid Services, Office of the Actuary, National Health Statistics Group (2016)

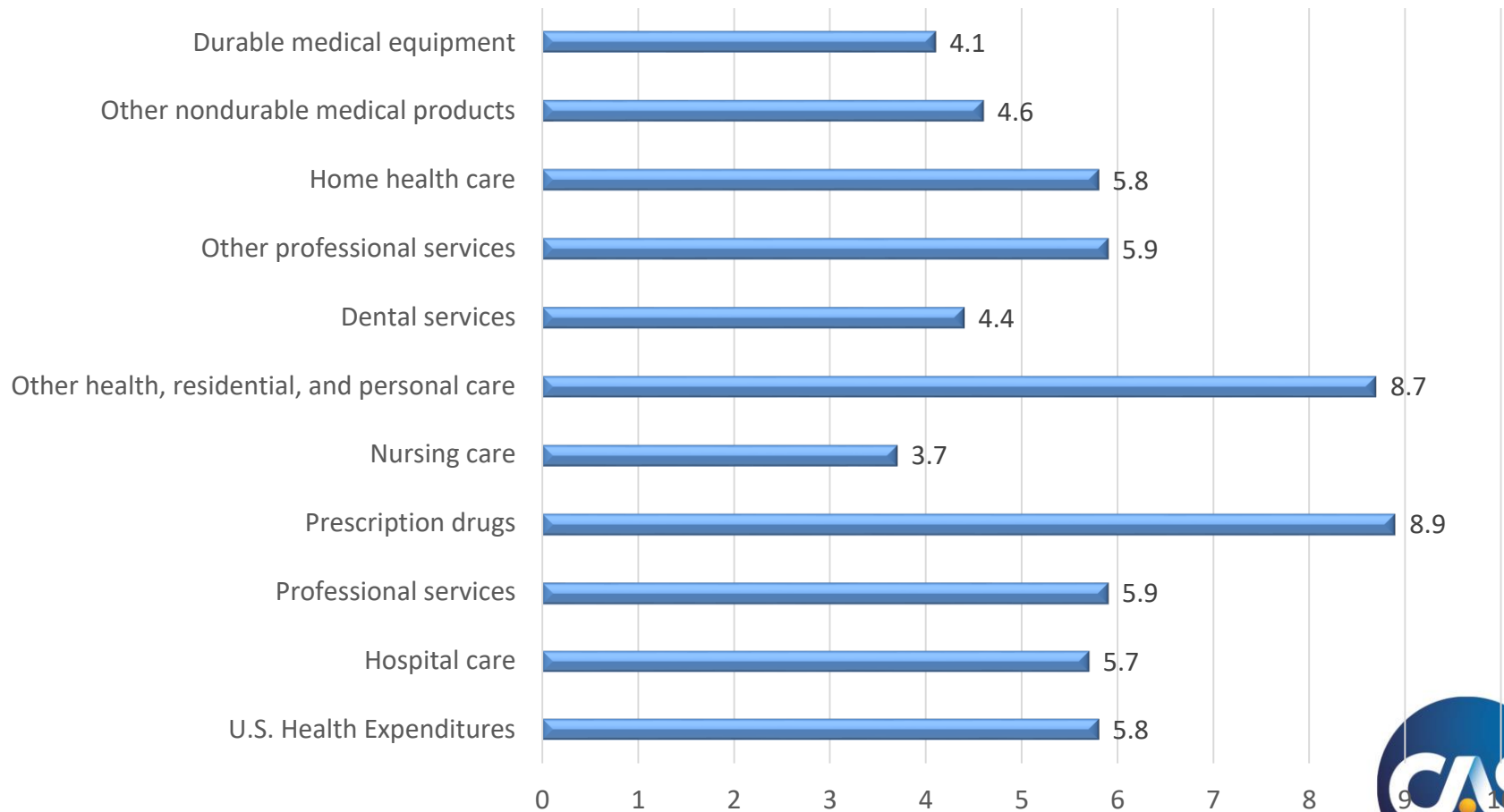


U.S. Health Expenditures

By Type of Expenditure

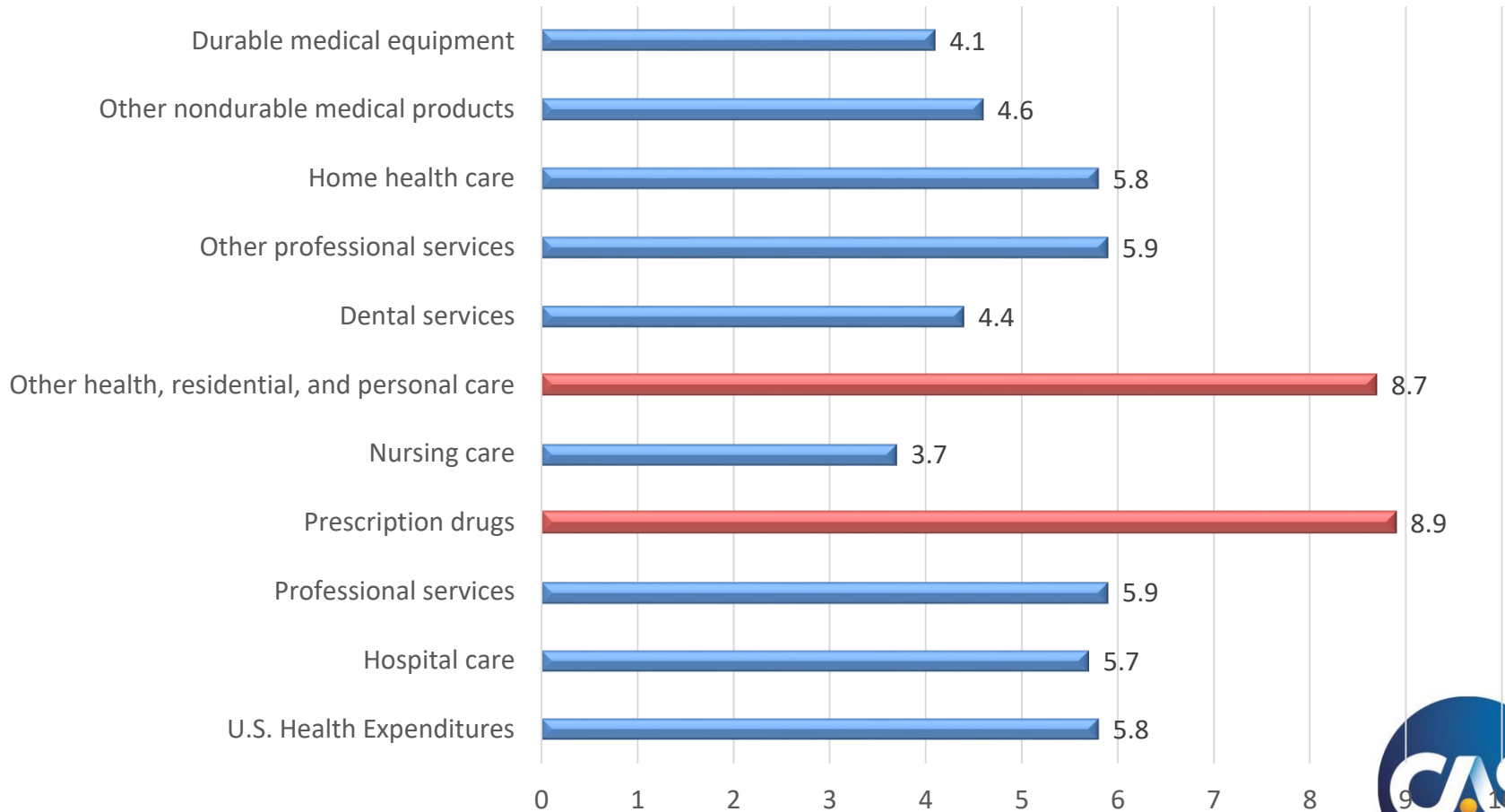


Growth by Expenditure Type



Source: Centers for Medicare and Medicaid Services, Office of the Actuary, National Health Statistics Group (2015)

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Sources of Funds

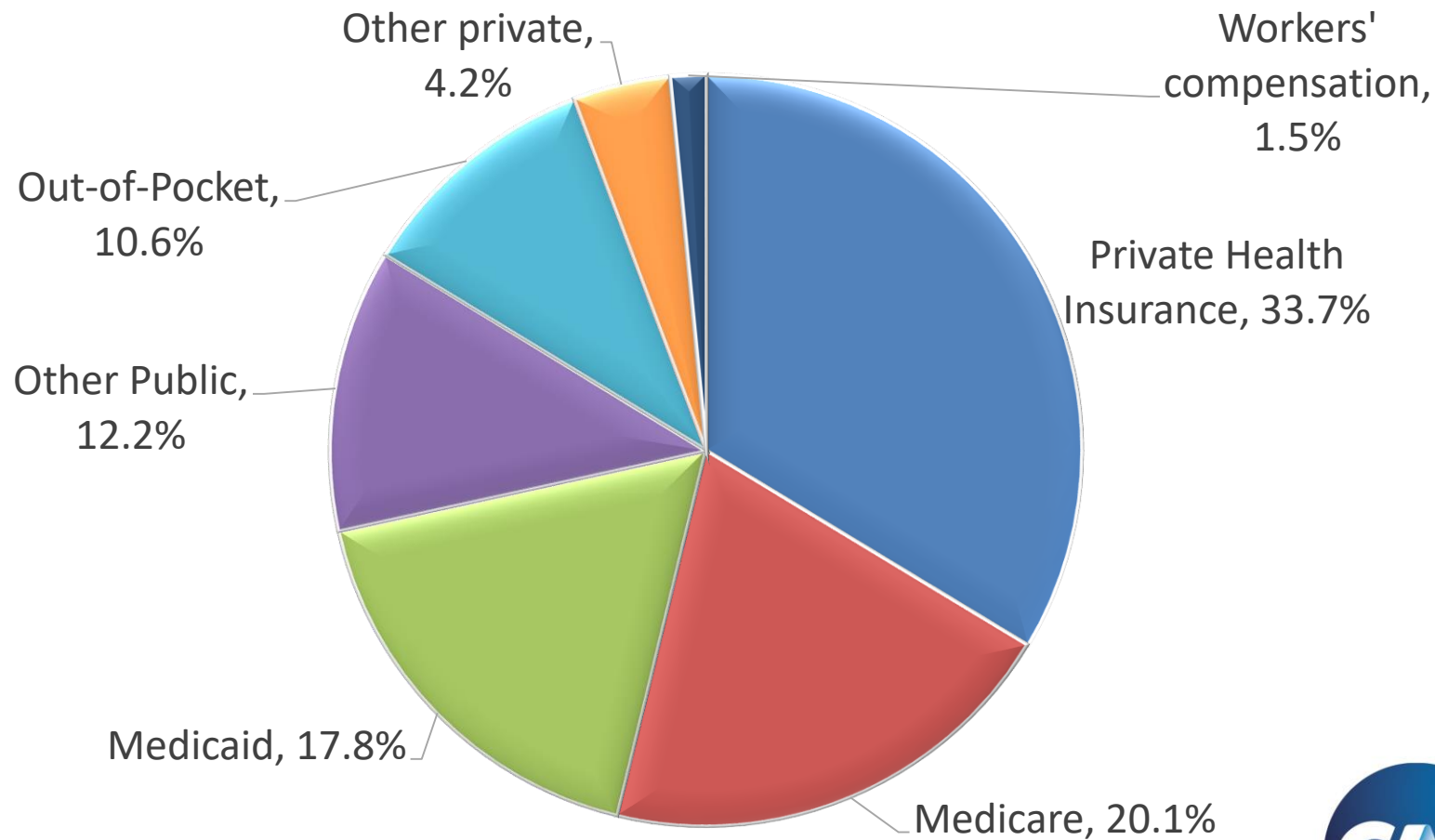
Source of Funds	Description
Private health insurance	Employer groups, individual (incl. ACA)
Medicare	Seniors and disabled
Medicaid	Temporary assistance, children's health
Other public sector	Veterans, military, Indian health, school health, public health, vocational rehabilitation
Out-of-pocket	Self-pay, health savings accounts
Workers' compensation	Federal, state, and local payments for workers' compensation-related medical payments
Other private sector	Employer worksite, philanthropy, ancillary facility services

Financed through a combination of **public** and **private sources**



U.S. Health Expenditures

By Source of Funds



U.S. Coverage Sources

Coverage Source	2013	2014	2015	2016
Private Health Insurance	187.6	192.8	196.3	196.4
Employer Sponsored	90%	88%	88%	88%
Individual	10%	12%	12%	12%
Medicaid	58.9	65.9	69.1	71.2
Medicare	51.3	52.8	54.3	55.8
Uninsured	44.2	35.5	29.5	28.6
Total	342.0	347.0	349.2	352.0

Uninsured moving into **Medicaid** (ACA expansion) and the **individual market** (ACA exchange)



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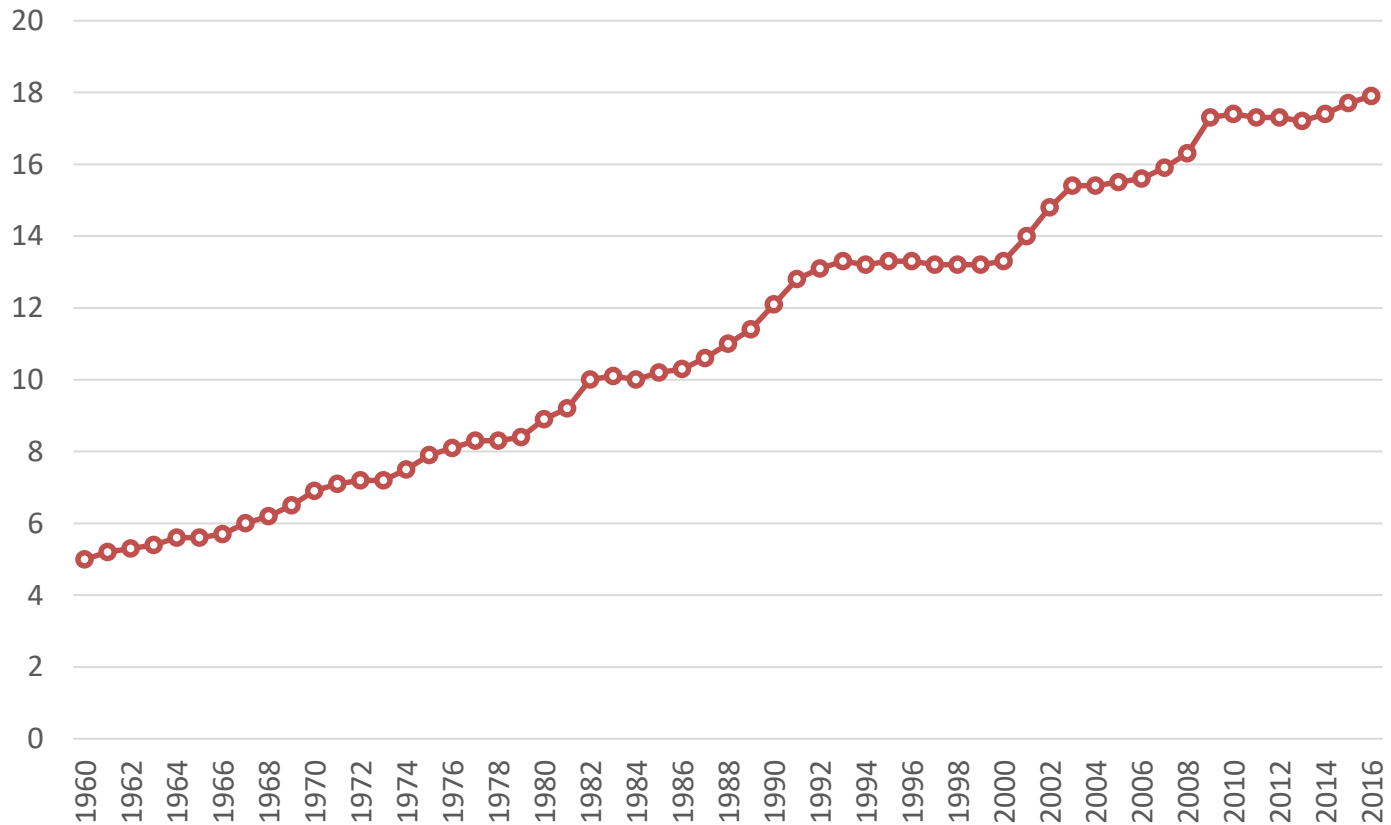


WC Benefits Paid

Coverage Source	2013	2014	2015
Private Insured	55.2%	55.0%	54.9%
State Fund Insured	15.1%	14.7%	14.6%
Federal Insured	5.9%	5.9%	6.0%
Self-Insured	23.8%	24.4%	24.5%



Share of GDP

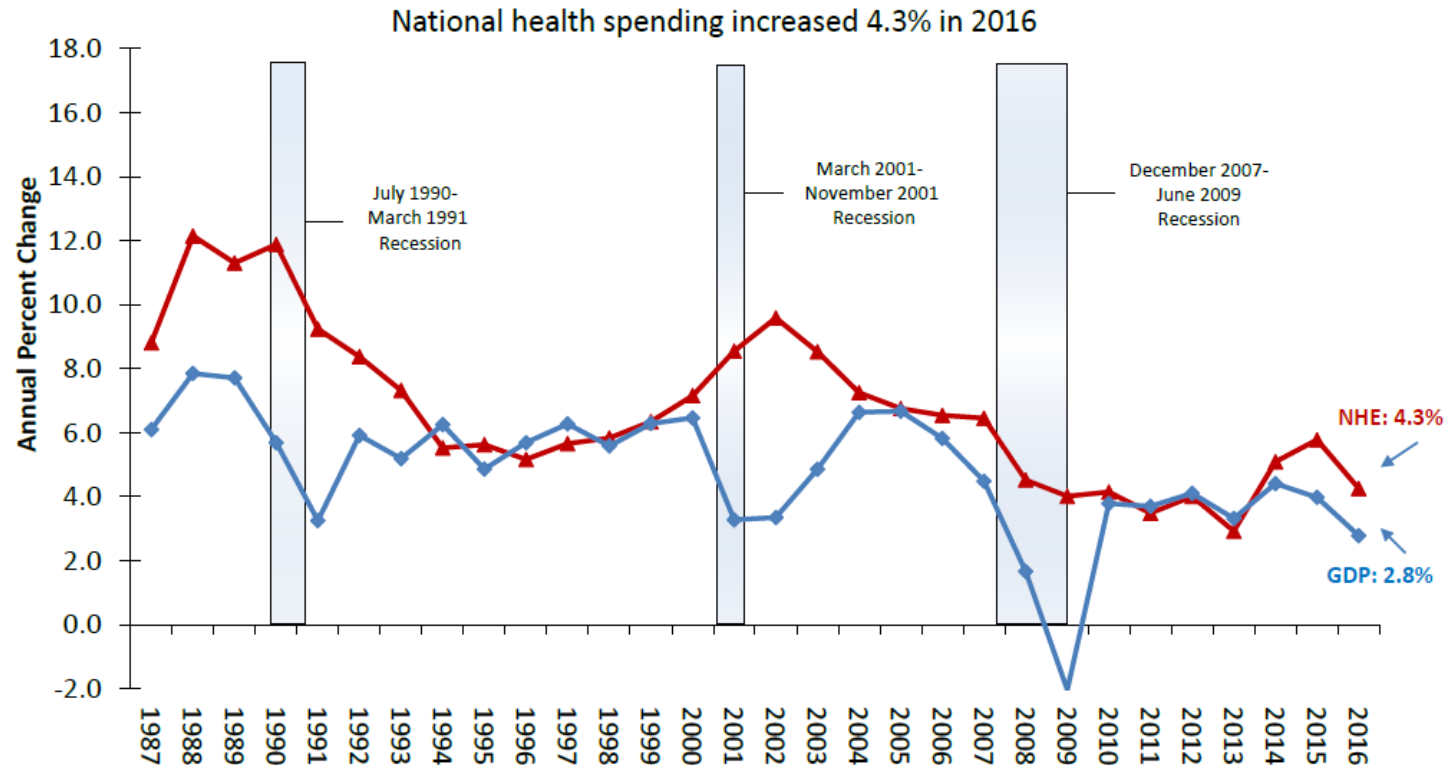


Source: National Healthcare Expenditures Summary Including Share of GDP, CY 1960-2016. (2016)



Share of GDP

Growth in National Health Expenditures and Gross Domestic Product, 1987-2016

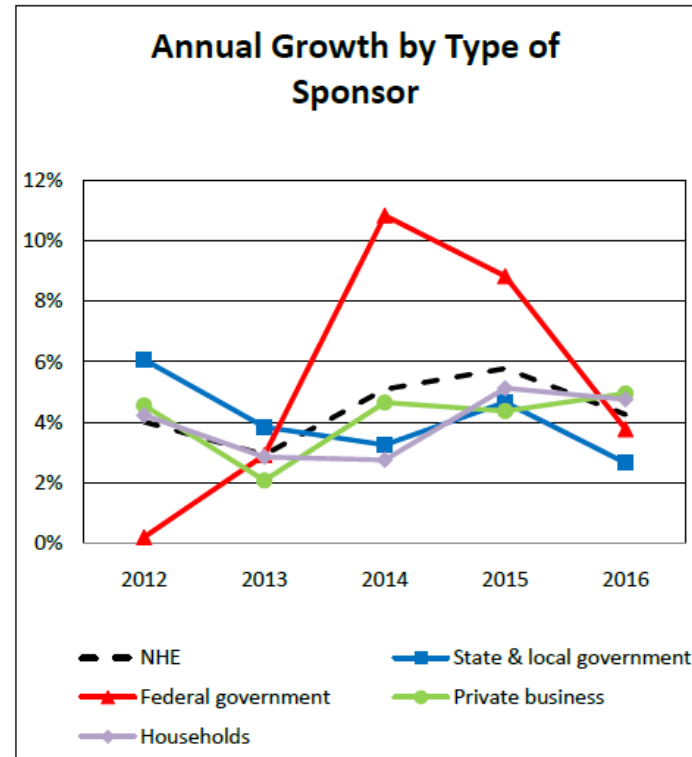
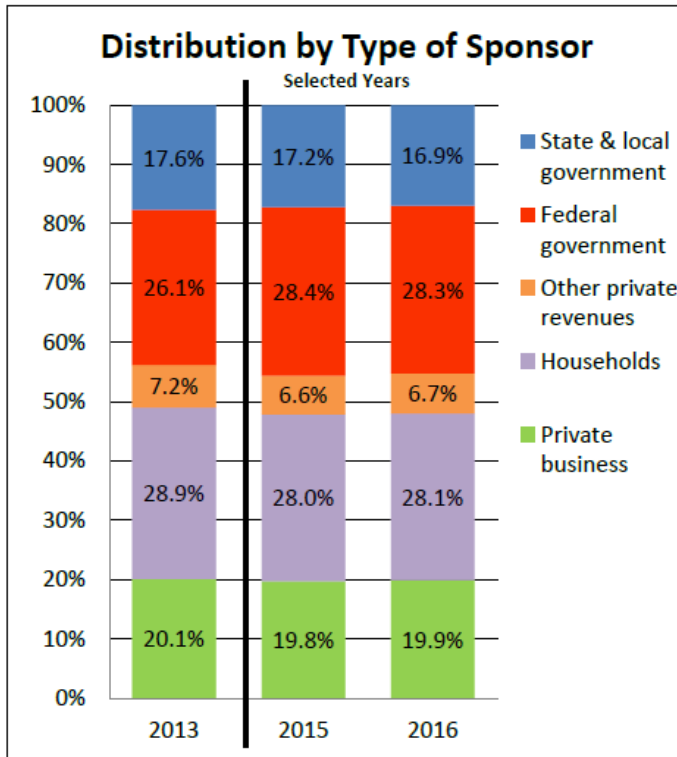


SOURCE: Centers for Medicare & Medicaid Services, Office of the Actuary, National Health Statistics Group; U.S. Department of Commerce, Bureau of Economic Analysis and National Bureau of Economic Research, Inc.



Share of GDP

National Health Expenditures: Distribution and Growth by Type of Sponsor



Federal government and **households** each fund about 28% of expenditures

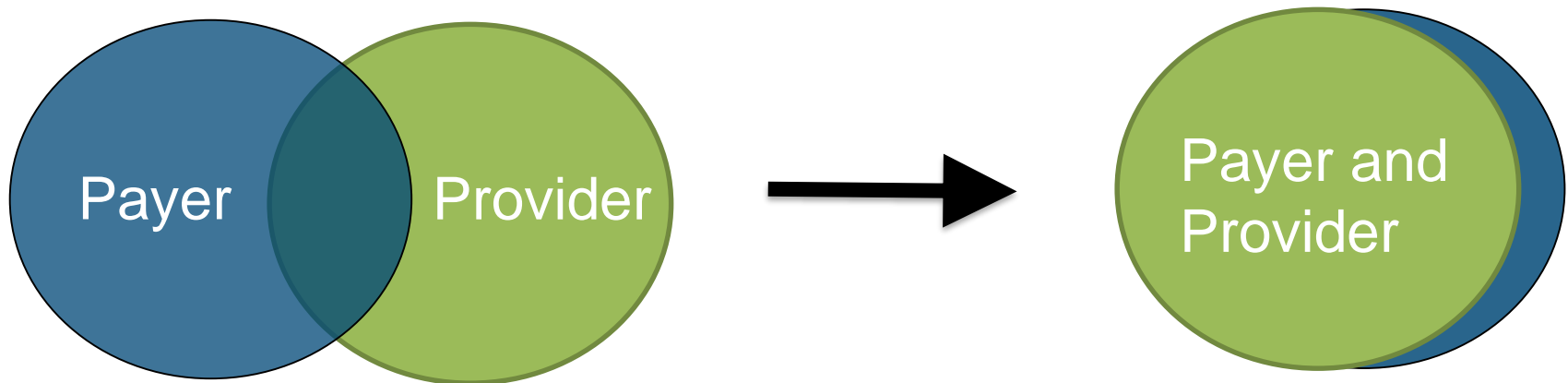


TRENDS AND INNOVATIONS



Provider/Payer Convergence

Distinction between “providers of care” and “financers of care” is blurring as each invests in building or buying infrastructure of the other

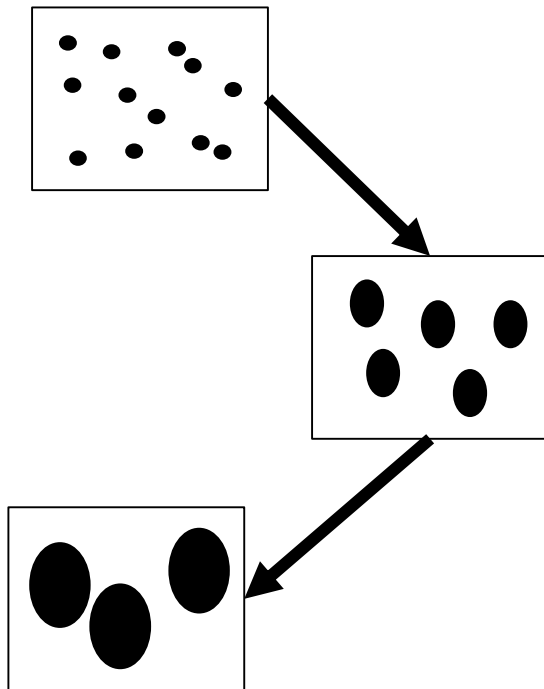


- Providers see opportunity in controlling the premium
- Payers see opportunity in controlling the delivery system



Industry Consolidation

Both payers and providers are pursuing acquisition/ affiliation strategies that consolidate market power and improve economies of scale



- Control the spectrum of care delivery
- Drive patient volume
- Improve negotiating power
- Create economies of scale
- Build market share
- Expand physical footprint



Employer Innovation

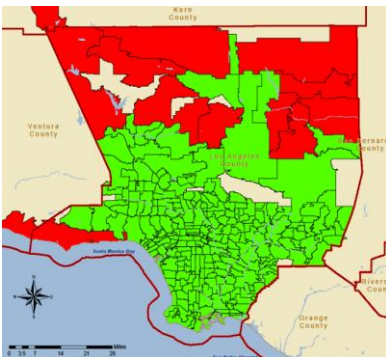
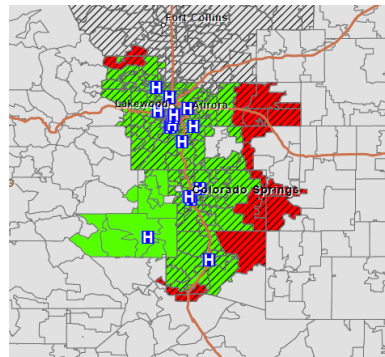
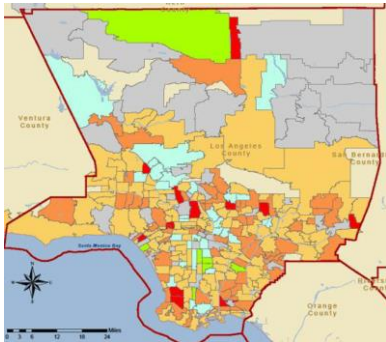
Employers are exploring new approaches to reduce costs through direct contracts with health systems and other innovations

- GM direct contract with Henry Ford Health System
- Walmart/ Geisinger bundled payment arrangement
- Boeing IOCP
- A/BH/JPMC “disruption” venture



Optimized Provider Networks

Transitioning from broad networks that maximize access to “optimized” networks that balance cost, quality, and access



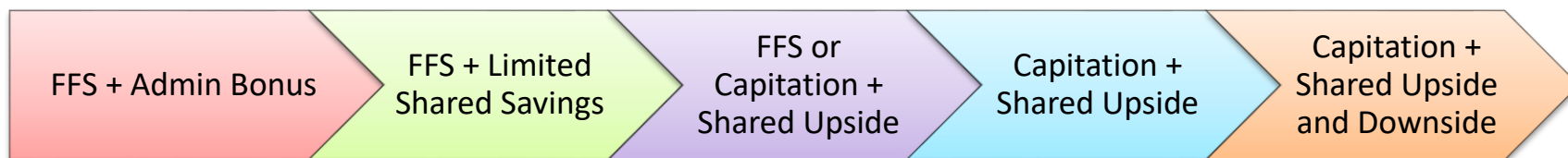
- Network is one of the remaining cost control “levers”
- Volume/price trade-off
- Employers less resistant to employee disruption
- Focus on cost/quality/access
- Limitations with some WC requirements



Alternative Payment Models

Reimbursement is transitioning from fee-for-service to alternative arrangements, many of which transfer risk to the provider

- Widespread acknowledgement that FFS is obsolete and rife with perverse incentives (more services = more revenue)
- Desire among payers to transition from FFS to VBR; desire among providers to “take risk”
- P&C insurers, analytical analysis becomes crucial for care providers



Value-based reimbursement continuum



Portfolio Diversification

Margin pressure on traditional health products is driving product portfolio expansion into related insured and non-insured products

Payers are expanding their product portfolios outside “traditional” health products...

- Ancillary insurance products (dental, vision)
- Supplemental insurance products (critical illness, accident, disability)
- Services for employers (HSA/FSA administration, wellness, absenteeism management, on-site clinics)
- P&C industry, some employers providing virtual doctors and telemedicine for remote worksite injuries



Internet Devices

Insurers are providing devices that collect personalized data for each insured

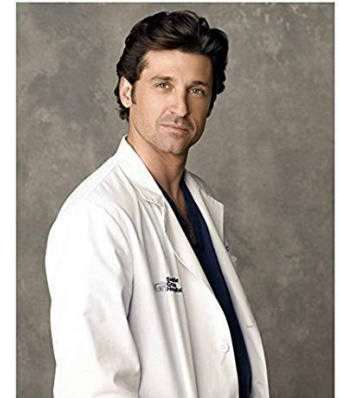
- Payers deploying internet-connected devices to collect information about member behaviors and biometrics
- Data are used in member engagement and care management programs
- Limited uptake in the WC market, but auto insurers are making extensive use of devices for telematics through phone, tracking, and camera data



Provider Targeting/Steerage

Transparency tools help consumers find the optimal provider based on their preferences and priorities

- Provider directories offer little differentiating information for choosing a provider
- Transparency initiatives provide actionable information to help consumers choose providers based on quality and cost
- In current P&C space what makes a “better” choice is cost or position driven



New Rx Payment Models

Prescription drugs and individualized therapies have the potential to improve patient outcomes, but payers want risk protection

- Curative therapies pipeline is growing; many of these products have high prices
- Payers are looking for ways to off-set the up-front payment model (risk: benefit of the therapy does not accrue to the payer that funds the treatment)
- Options under consideration: annuity payments (with and w/out effectiveness guarantees) and financial bonds provide risk protection for payers while offering revenue streams to pharmaceutical manufacturers



Consumer Engagement

Engaging consumers in managing their own health

- Few insurers claim engaged consumers; traditional engagement techniques are reactive and transactional (phone, email, chat)
- Insurers are investing in enhancing consumer engagement with emphasis on activities that reduce expenses, increase stickiness, increase engagement
- Different consumer cohorts engage with insurers in different ways; requires retaining traditional methods while supporting with new approaches



Trends and Innovations

Payer/Provider Convergence

Industry Consolidation

Employer Innovation

Optimized Provider Networks

Alternate Payment
Methodologies

Portfolio Diversification

Internet Devices

Provider Targeting/Steerage

New Rx Payment Models

Consumer Engagement



Questions and Discussion

