High Deductible Health Plans and the Changing Landscape

July 17, 2018



Agenda

- High Deductible Health Plans: Pros and Cons
 - Neeraj Sood, Ph.D., Professor and Vice Dean, Sol Price School of Public Policy & USC Schaeffer Center, University of Southern California
- Experience with Consumer-Based Health Plans
 - Samanntha DuBridge, Vice President Global Benefits, Hewlett Packard Enterprise
- McKesson's Health Benefits Journey
 - Gerri Burruel, Vice President of Benefits, McKesson
- High-Deductible Health Plans Raise Concerns
 - Dena B. Mendelsohn, Senior Attorney, Consumers Union



Kathy Donneson, Chief Health Plan Administration Division CalPERS

Moderator





Focus on Value and Alternatives







Intersecting Viewpoints and Evidence

CalPERS

California Human Resources (CalHR)

Public Agency/School Employers

CalPERS Membership

Health Plans

Stakeholders





High Deductible Health Plans: Pros and Cons

Neeraj Sood, Ph.D.
University of Southern California

July 17, 2018

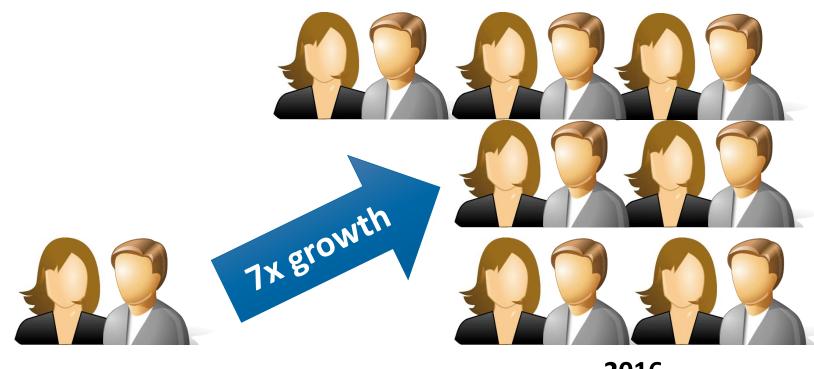


What are HDHPs?

- Health insurance plans with a deductible of at least \$1,250 for individual coverage and \$2,500 for family coverage
- Often associated tax free health savings account
 - These are called "Consumer Directed Health Plans"
- Implications for out of pocket costs
 - Consumers have to pay more out of pocket for health care before insurance begins covering costs
 - Lower premiums
- Attractive for healthy consumers who have low expected health care use



HDHPs are becoming increasingly popular



2006 4% of employees had HDHPs <u> 2016</u>

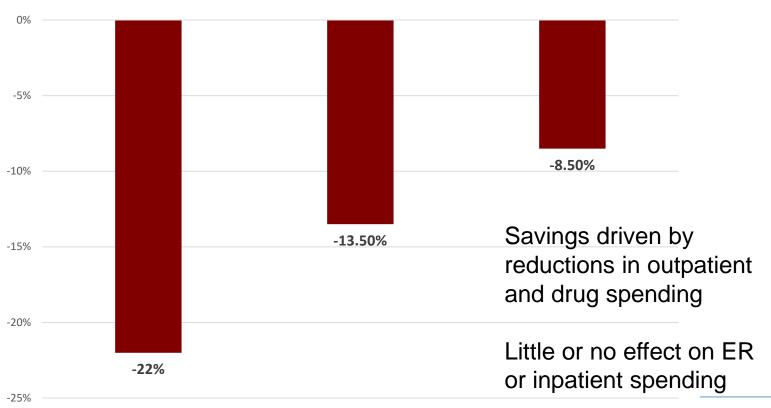
29% of employees

have HDHPs



HDHPs reduce health care costs

Impact of Enrolling in High Deductible Health Plan on Costs





Year 1

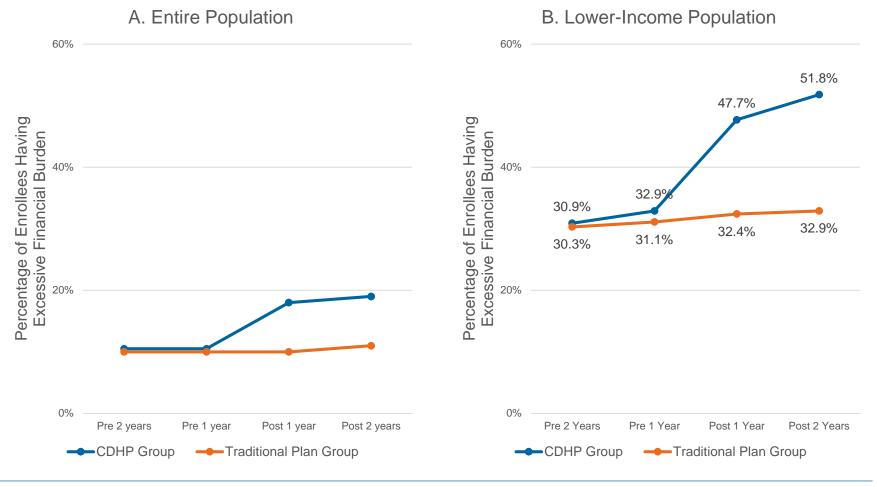
Year 2 Year 3

HDHPs encourage favorable selection

- HDHPs experience favorable selection:
 - Using data from 16 large employers we found that HDHP enrollees expected health care costs were about 25% lower than traditional plan enrollees (McDevitt et al. 2013)
 - 20% HDHP enrollment will increase premiums of traditional plan by 5%
- Favorable selection can be reduced by:
 - Employer contributions to HSAs
 - Higher employee premium savings from HDHP enrollment

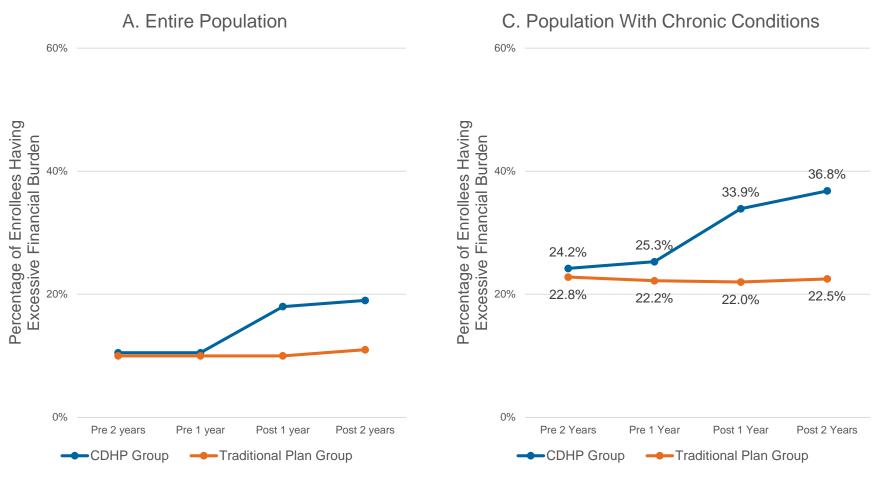


HDHPs increase financial burden, especially for low-income families





HDHPs increase financial burden, especially for chronically ill





Are cost savings achieved by smarter or value based decision?

Costs = Price x Quantity

- Smarter quantity choices:
 - Reduce use of low value care
 - Increase use of high value care
- Smarter price choices:
 - Price shop for care
 - User lower priced providers
 - User lower priced services



How are cost savings achieved?

- Preventive care is:
 - perceived as "high value" care
 - carved out of the deductible (HDHPs have little or no costsharing for preventive care)
- We answer: What is the impact of HDHPs on use of preventive care?
 - Focus on cancer screening for 3 types of cancer: breast, colon and cervical
 - Screening rate increased in anticipation of HDHP offer and enrollment
 - HDHP offer and enrollment had no effect on cancer screening rates



How are cost savings achieved?

- Drugs for chronic illness is a good case study:
 - Perceived as "high value" care
 - Repeat purchase and non-trivial cost
 - Lower cost alternatives available



HDHPs and **Drug Utilization**

- Enrollment in HDHPs can influence utilization along three dimensions
 - Stocking drugs when out-of-pocket prices are low
 - Switching to generics or lower priced drugs
 - Reducing utilization (not a good idea for drugs that are cost-effective)
- We analyze response along these three margins for 3 drug classes:
 - Diabetes
 - Statins
 - Antihypertensives



Findings

- Purchases spike for CDHP firm in late 2004
- Purchases dip for CDHP firm in early 2005
- Pattern suggests stocking or timing response
- Days used suggests reduced utilization
- Use of lower cost drugs increases



How are cost savings achieved?

- Do HDHPs reduce use of "low-value" services?
- Used data from a large commercial insurer
- Difference-in-Difference analysis with exact matching
- Analyzed use of 26 outpatient low-value services based on Choosing Wisely and literature:
 - triiodothyronine measurement in hypothyroidism
 - imaging for nonspecific low back pain
 - imaging for uncomplicated headache
 - spinal injection for lower-back pain



HDHP enrollment has little or no effect on low-value care

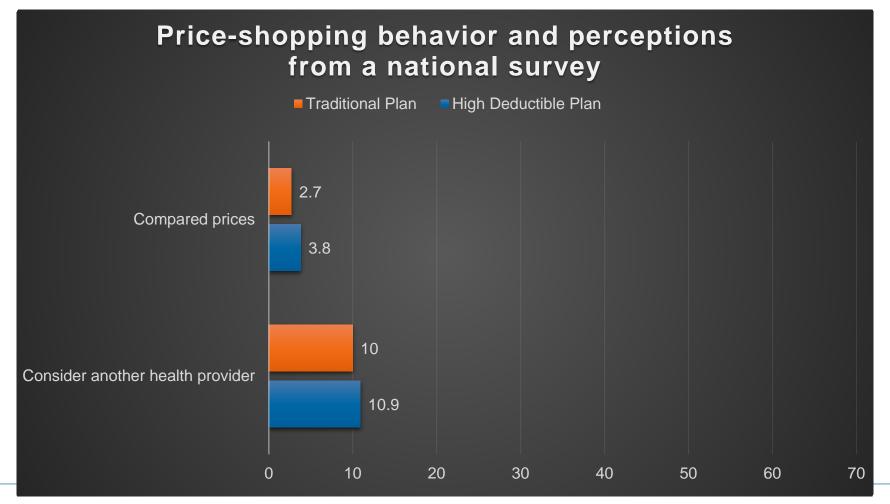
- Enrollment in HDHPs reduced outpatient spending by \$231 (CI: 342 – 122)
- Enrollment in HDHPs had no statistically significant effect on low-value spending
- Enrollment in HDHPs had no statistically significant effect on low-value spending per \$10,000 in out patient spending
 - Point estimate was reduction in spending of \$7.86 per \$10,000 of spending (CI: -18.4 – 2.72)



Do HDHPs Lead to Smarter Price Choices?



High deductible health plans don't encourage price shopping





Conclusions...

Pros

- Several large employers offer HDHPs
- Evidence that HDHPs lower health care costs
- Little or no evidence of increase in ER or inpatient costs
- Little or no evidence of decline in use of preventive care

Cons

- Modest increase in premiums for traditional plans due to favorable selection
- Financial burden for low-income and chronically ill
- Reduction in use of medications for chronic illness
- Little or no evidence of decline in use of low-value care
- Little or no evidence of increase in price-shopping



Acknowledgements

Co-authors

- Matthew Eisenberg (Johns Hopkins)
- Amelia Haviland (Carnegie Mellon)
- Peter Huckfeldt (University of Minnesota)
- Ateev Mehrotra (Harvard)
- Rachel Reid (RAND)
- Anna Sinaiko (Harvard)
- Erin Trish (University of Southern California)
- Zach Wagner (Stanford)
- Xinke Zhang (University of Southern California)

Funding

- National Institute of Aging (NIA) and the NIH Common Fund for Health Economics (grant number 5R01AG043850)
- NIHCM Foundation grant
- California Health Care Foundation grant



Papers

- This presentation is based on the following papers:
 - Xinke Zhang, Neeraj Sood, Erin Trish. 2018. "Financial Burden of Healthcare Utilization in Consumer-Directed health Plans." The American Journal of Managed Care.
 - Rachel O. Reid, Brendan Rabideau, Neeraj Sood. 2017. "Impact of Consumer-Directed Health Plans on Low-Value Healthcare." *The American Journal of Managed Care*, 23(12), 741-748.
 - Xinke Zhang, Zachary Wagner, Ateev Mehrotra, Peter Huckfeldt, Amelia Haviland, Neeraj Sood. (2017) "Does Enrollment in High Deductible Health Plans Encourage Shopping?" Health Services Research, doi: 10.1111/1475-6773.12784.
 - Matthew Eisenberg, Amelia Haviland, Ateev Mehrotra, Peter Huckfeldt, Neeraj Sood. (2017)
 "The Long Term Effects of 'Consumer-Directed' Health Plans on Preventive Care Use."
 Journal of Health Economics, 55, 61-76.
 - Amelia Haviland, Matthew Eisenberg, Ateev Mehrotra, Peter Huckfeldt, Neeraj Sood. (2016)
 "Do 'Consumer-Directed' health plans bend the cost curve over time?" *Journal of Health Economics*, 46, 33-51.
 - Anna Sinaiko, Ateev Mehrotra, Neeraj Sood. (2016) "Cost-Sharing Obligations, High-Deductible Health Plan Growth, and Shopping for Health Care: Enrollees with Skin in the Game." JAMA Internal Medicine, 176(3), 395.



Papers

- Roland McDevitt, Amelia Haviland, Laura Laudenberger, Ryan Lore, Matthew Eisenberg, Neeraj Sood. (2013) "Risk Selection into Consumer-Directed Health Plans: An Analysis of Family Choices within Large Employers." *Health Services Research*, 49(2), 609-28.
- Neeraj Sood, Zachary Wagner, Peter Huckfeldt, Amelia Haviland. (2013) "Price Shopping in Consumer Directed Health Plans." Forum for Health Economics and Policy, 16(1), 1-19.
- Amelia Haviland, M. Susan Marquis, Roland McDevitt, Neeraj Sood. (2012) "Growth of Consumer-Directed Health Plans to One-Half of all Employer-Sponsored Insurance Could Save \$57 Billion Annually." *Health Affairs*, 31(5), 1009-1015.
- Amelia Haviland, Neeraj Sood, Roland McDevitt, M. Susan Marquis. (2011) "The Effects of Consumer-Directed Health Plans on Episodes of Health Care." Forum for Health Economics and Policy, 14(2), Article 9.
- Amelia Haviland, Neeraj Sood, Roland McDevitt, M. Susan Marquis. (2011) "How Do Consumer-Directed Health Plans Affect Vulnerable Populations." Forum for Health Economics and Policy, 14(2), Article 3.
- Melinda Buntin, Amelia Haviland, Roland McDevitt, Neeraj Sood. (2011) "Healthcare Spending and Preventive Care in High-Deductible and Consumer-Directed Health Plans." American Journal of Managed Care, 17(3), 222-230.







Sol Price School of Public Policy

Leonard D. Schaeffer Center for Health Policy & Economics



Experience with Consumer-Based Health Plans

Samanntha DuBridge Hewlett Packard Enterprise (HPE)

July 17, 2018

HPE Health Care Focus



Offer a range of health benefit options to meet varying employee needs



Provide tools, incentives and/or seed amount in HRA and HSA accounts to encourage efficient enrollment decisions



Educate and promote health care consumerism throughout the year



Incorporate strong focus on prevention and wellness



Leverage scale to access leading networks and care management services



Comparison of HPE's Consumer-Based Plans

CDHP with Health Reimbursement Account (HRA)

100% coverage after out-of-pocket limit (\$2,600 Single/ \$5,200 Family)

Plan pays 80%

Member pays 20%

Member pays
deductible using account
first (Deductible:
\$1,000 Single / \$2,000 Family)

HPE-Funded HRA \$500 Single / \$1,000 Family Allows

coverage for people with chronic or catastrophic claims

Deductible reduces cost and utilization by encouraging good behaviors

Tax-free account

HDHP with Health Savings Account (HSA)

100% coverage after out-of-pocket limit (\$3,600 Single/ \$7,200 Family)

Plan pays 80%

Member pays 20%

Member pays deductible; account funds can be used as available (Deductible:

\$2,400 Single / \$4,800 Family)

HPE-Funded HRA

\$500 Single / \$1,000 Family

Employee can contribute up to a total of \$3,450 Single/\$6,850 Family

Note: Assumes in-network providers are used



Tax-Free Account Comparison: HRA vs HSA

	Health Reimbursement Account	Health Savings Account
Availability of funds	Full amount is available right away	As contributions are made
Investment potential	No interest or investment earnings	Can grow with investment earnings
Tax-free advantage	Employer contributionsReimbursements	Employee and employer contributionsInvestment earningsReimbursements
Flexibility	 Balance carries over from year to year but only while employee continues to participate in CDHP with HPE 	 Spend now or in the future Change contributions during the year Account continues even if change plans, leave the company or retire
Integration with Health Care Spending Account	 No restrictions—can offer pre-tax FSA for all eligible health care expenses 	 Can only offer a limited purpose FSA—for dental, vision and post- deductible medical and RX expenses



HPE Health Philosophy Leading to HDHP+HSA



Use plan design to drive consumerism



Ensure appropriate cost-sharing



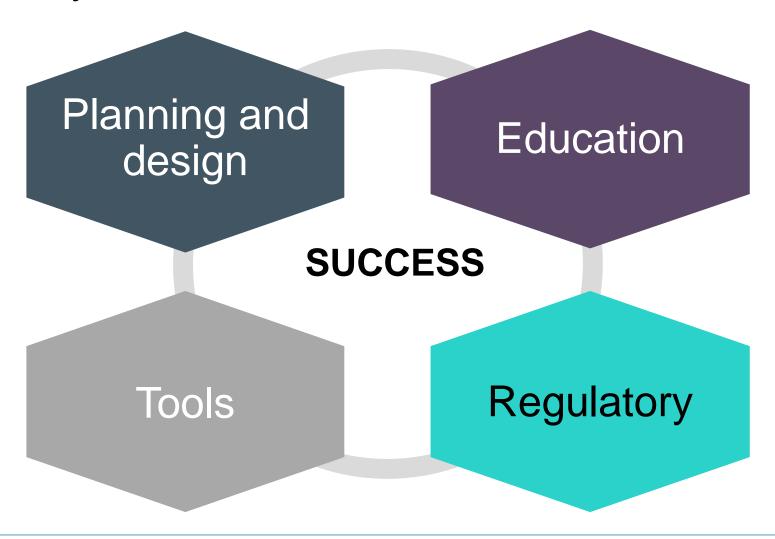
Manage employee health and well-being



Leverage efficient delivery systems



Pathway to Success





High Deductible Health Plans and the Changing Landscape

Communicating the Change



Guides

Hewlett Packard

Enterprise



Comparison Flyer

Proprietary and Confidential: Content cannot be used without permission from HPE



McKesson's Health Benefits Journey

Gerri Burruel
Vice President – Benefits
McKesson

July 17, 2018





CY19 Plan Completes Strategic Shift to HSA Plans



HSA strategy is working.

When members own their HSA dollars, they make different and better choices on where and when to access care.



Guiding Principles

- Focus on a healthy and productive workforce
- Use our Total Rewards package to attract and retain top talent
- Anticipate unprecedented change and constant state of flux in healthcare landscape
- Evaluate, adjust and navigate changes to our healthcare offerings in a holistic way
- Lower our healthcare trend

A healthy and productive workforce is McKesson's competitive advantage.



Benefits Planning Evolves to Promote Consumerism and Mitigate Trend

	2012	2013
•	•	Added the HDHP plan option
		CDHP member responsibility, deductible
•	Added incentives and premium savings for Vitality participation	and maximum OOP increased
•	Specialty drugs eliminated from mail order	 Coinsurance changed from 85% to 80% (in- network) and 65% to 60% (out-of-network)
•	Medical Associates changed from HMO plan to CDHP	 Increased deductibles and OOP maximums for HMO/EPO plans.
•	Increase in copays and coinsurance amounts under HMO and EPO plans	 Step therapy implemented for prescription drug coverage
•	WorkLife benefits added to EAP	
	Financial Result \$13M Surplus (FY13)	Financial Result \$20M Surplus (FY14)



Benefits Planning Evolves to Promote Consumerism and Mitigate Trend

	2014	2015				
	carrier — Aetna and Cigna	 Certain generic preventive medications available at no cost to employees under the HDHP 				
	available in all states except Hawaii, Anthem and UnitedHealthcare available in certain states	 Increased deductible and out-of-pocket amounts for the CDHP Premier Plus, HMOs and EPOs 				
•	Tobacco-free pledge no longer lowered medical premiums	For HDHP and CDHP, non-emergency out-of-network services charged on a percentage of Medicare's fee schedule				
	New salary band tier addedCover gender reassignment surgery	Group Health Cooperative HMO in Washington no longer a plan option				
•	COE hip and knee program	Increased premium savings for Vitality Gold Status				
		Added Castlight				
		Added Best Doctors				
		Added Accordant Rare Conditions Program				
	Financial Result \$19.8M Deficit (FY15)	Financial Result \$1M Surplus (FY16)				





Long Term Health Benefits Planning — Consumerism with HSAs

2016	2017		
HSA Plus plan option made available	Eliminate Medical Associates		
HSA members given choice of carriers	medical plan		
• CDHP Premier and Premier Plus plans discontinued	Enhance HSA generic Rx list and add Advanced Specialty		
 2016 HRA dollars don't roll over 	and add Advanced Specialty Preferred Rx list		
• UnitedHealthcare no longer available as a carrier option	Eliminate Healthcare		
 HMO/EPO deductibles and out-of-pocket maximums 	FSA grace period		
increased	Add telemedicine to Anthem		
 Employed spousal surcharge implemented 	and Cigna medical plans		
 Dependent SSN required for coverage 			
 Retiree plan moved to private exchange 			
Financial Result	Financial Result		
\$1.5M Surplus (FY17)	\$8M Surplus expected (FY18)		





Long Term Health Benefits Planning — Consumerism with HSAs

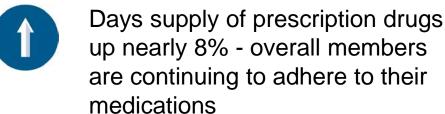
2018	2019	2020 and beyond
 Replace Kaiser HMO with Kaiser HSA Plus plan 	Core medical plan	Enhance support of onsite health coaching
 Freeze HRA Core plan enrollment for new enrollees as of 10/1/17 	optionMedical RFP in	and educationSupport for members
Eliminate Tufts & UPMC	process	to access appropriate channel of care
 Eliminate Aetna and Cigna HMOs and EPOs 	 Add autism support benefits 	through enhanced employee experience
 Add incentive for Vitality Platinum Status 	 Targeted onsite pilot programs to encourage 	 Monitor impact of
 Adjust two lower pay bands (\$40k moves to under \$45k, and \$40-\$80k moves to \$45k-\$80k) 	employee behavior change and improve biometric screening	Cadillac Tax (postponed to 2022)
 Add telemedicine to Aetna medical plan 	results	
 Add HIV as a condition to the Accordant Rare Conditions Program 	 Part-time employee benefits 	



Strategy Is Working

HSA members aren't avoiding medical care*, in fact...

Office visit utilization increased approximately 2%



Emergency room visits decreased 3%



Generic prescription efficient rate up by over 1% — an indicator of cost-conscious behavior

When members own their HSA dollars, they make different and better choices on where and when to access care.

*Based on members that were continuously enrolled in an HRA Core plan throughout 2015, migrated into an HSA plan in 2016 and remained enrolled throughout the whole year.





Annual Enrollment Highlights (CY 18)

Overall HSA enrollment increased by 22% (~2,300 employees):



Gains were seen in both HSA (+17%) and HSA Plus (+25%) plans



The number of employees contributing to an HSA increased 17%



7% increase in average employee HSA contribution amount

Annual Enrollment Survey Results – Good Understanding and Positive Perception



80%

Good understanding of healthcare plans (78% in 2017)



Perceived
affordability is the
#1 influence on
HSA contributions



73% Healthcare

benefits meet my needs (75% in 2017)

Benefits-Eligible Population 20,176

Survey Participants 7,688

Survey Response Rate 38% (27% in 2017- included MTI)



High-Deductible Health Plans Raise Concerns

Dena B. Mendelsohn
Senior Attorney
Consumers Union, the Advocacy Division of
Consumer Reports

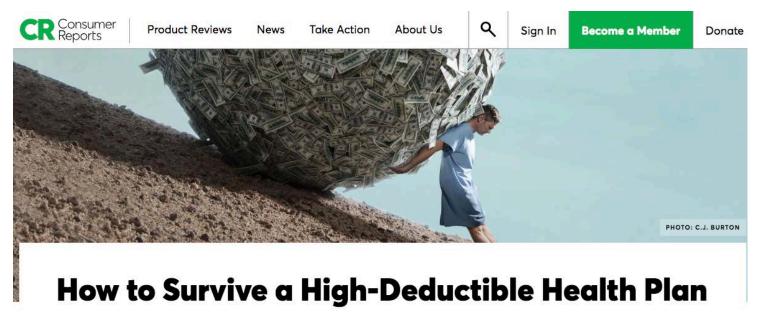
July 17, 2018



Yes, this Consumer Reports



High-Deductible Health Plans Raise Concerns



Knowing you're on the hook for thousands in medical bills might make you less likely to seek care you need. Here's how to save money and stay safe.





The theory behind HDHPs

The theory: consumers with more "skin in the game" will become conscientious shoppers, saving healthcare dollars and improving efficiency.

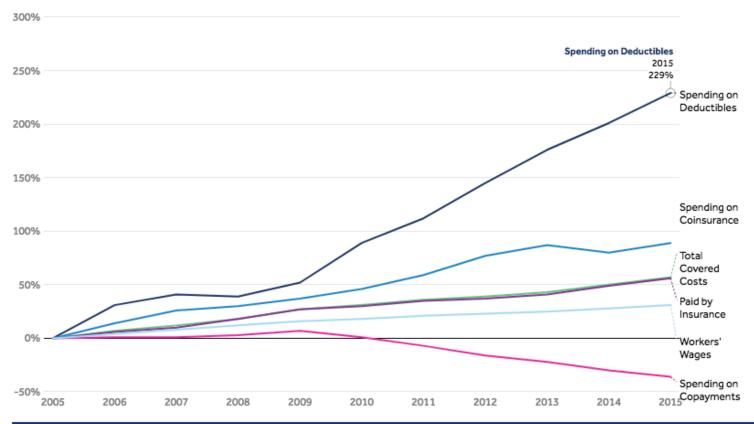
The reality: savings achieved through HDHPs can come at the expense of enrollees' health and/or financial well-being.





Premiums may be down but costs are up

Cumulative increases in health costs, amounts paid by insurance, amounts paid for cost sharing and workers wages, 2005-2015



Source: Kaiser Family Foundation analysis of Truven Health Analytics MarketScan Commercial Claims and Encounters Database, 2005-2015; Bureau of Labor Statistics, Seasonally Adjusted Data from the Current Employment Statistics Survey, 2005-2015 (April to April). • Get the data • PNG

Peterson-Kaiser
Health System Tracker





Enrollees have more "skin in the game" but little equipment or protective gear

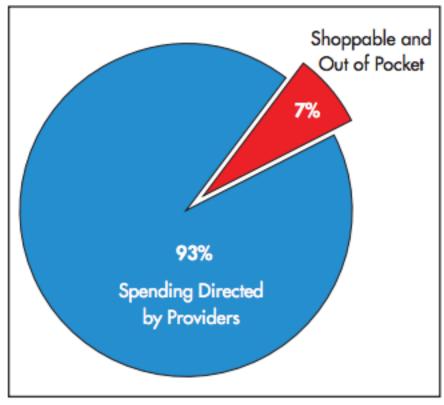
To price shop effectively, patients need to compare prices and health outcomes among care providers.

- Price transparency
- Information about quality

Shopping for healthcare will never be like shopping for other things. The stakes are too high and the amount of relevant and accurate information is too low. Plus, it is very difficult for the average consumer to understand insurance products and complex benefit designs.



HDHP is a blunt instrument that demands of enrollees something they cannot fulfill



Source: Health Care Cost Institute, Spending on Shoppable Services in Health Care, (March 2016).



How much is that angioplasty in the window?

- Existing price transparency tools are of limited use.
- Only a small fraction of patients who know about price transparency tools actually use them, and even fewer use them prior to receiving care. High deductibles do not change this fact.
- Price shopping does not reduce spending.
- Patients feel helpless when it comes to healthcare costs.



High Deductible Health Plans and the Changing Landscape



How to Get High-Quality, Low-Cost Healthcare

Ratings of Cost and Quality Tools

INSURANCE COMPANY TOOLS



National Plan		Features							
		Ease of Use	Functionality	Content	Scope & Reliability	Price Estimates	Drug Cost Information	Shows Patient Outcomes	Shows Value (Cost & Quality)
Cigna	84	8	<u> </u>	8	8	8	8	8	8
UnitedHealthcare	82	8	<u> </u>	8	8	8	8	<u> </u>	0
Aetna	77	0	<u></u>	8	8	8	8	<u></u>	O
Anthem Blue Cross Blue Shield	73	<u> </u>	<u></u>	<u></u>	8	8	8	8	0
Humana	69	<u> </u>	0	<u> </u>	<u> </u>	8	8	8	O
Kaiser	55	0	0	<u> </u>	0	0	8	<u> </u>	\ Ø /



High Deductible Health Plans and the Changing Landscape



How to Get High-Quality, Low-Cost Healthcare

Ratings of Cost and Quality Tools

STAND-ALONE WEBSITES¹



Website Name		Features							
		Ease of Use	Functionality	Content	Scope & Reliability	Out-of-Pocket Estimates	Reliable Cost Estimates	Provider-Specific Pricing	Quality Information for Hospitals
Amino	66	0	0	<u> </u>	<u></u>	•	•	•	•
CompareMaine	65	8	0	0	8		•	•	•
NH HealthCost	63	<u> </u>	O	<u></u>	8	•	•	•	•
CO Medical Price Compare	44	0	O	0	0		•	•	•
Guroo	41	<u> </u>	O	O	O	•	٠		
MDsave	40	0	0	②	O			•	
Healthcare Bluebook	37	0	O	O	O		٠		
FAIR Health ²	28	0	8	②	8	•			



Quality of care must also be a factor

"Prices vary a lot, but quality does, too," warns Orly Avitzur, M.D., a neurologist and medical director of Consumer Reports. When one of her patients, Amir Goen, 42, of Tarrytown, N.Y., needed an MRI recently, he found that the prices for the test in his area varied by hundreds of dollars. He consulted with Avitzur, who advised him to ask about the strength of the magnets used in the imaging. Goen discovered that the cheapest MRI didn't use the highest-strength magnet—but neither did the priciest one.

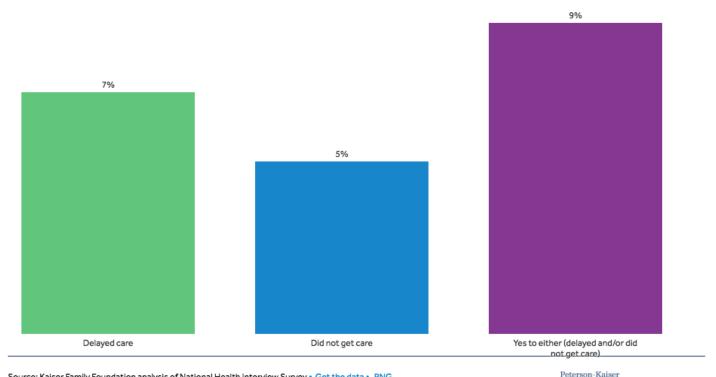


High Deductible Health Plans and the Changing Landscape

Healthcare costs are a barrier to access for the uninsured as well as the insured, particularly for those insured by HDHPs.

About 1 in 10 adults report that they delayed or did not get care because of its cost

Percent of adults who reported delaying or going without care due to costs, 2016



Source: Kaiser Family Foundation analysis of National Health Interview Survey • Get the data • PNG

Health System Tracker



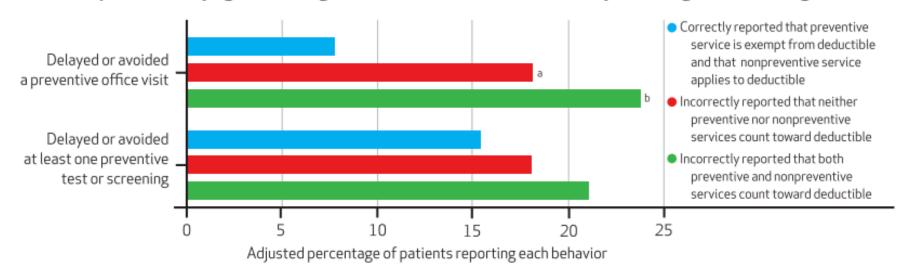
Drops in care for HDHP enrollees: reduction in both high- and low-value care

Reduction in high-value care						
Mental healthcare services	-5%					
Physical therapy services	-30%					
Diabetes drugs	-48%					
Statins for cholesterol management	-20%					
Antidepressants	-18%					
Hypertension drugs	-24%					
Reduction in low-value care						
CT scans for sinuses with acute sinusitis	-26%					
Back imaging for nonspecific low back pain	-21.3%					
Head imaging for uncomplicated headaches	-31%					
Colorectal cancer screenings for patients under 50	-26%					
Antibiotics for acute respiratory infections	-44.%					



Even drops in free healthcare

Patients' Reports Of Delaying Or Avoiding Preventive Care Because Of Cost, By Knowledge Of Plan Design





Missed or delayed care can have harmful and irreversible effects an an employee's health

Monique Dow, a 46-year-old mother of two from Watsonville, Calif., who had a \$6,000 deductible with her family's health insurance plan, the only option offered by her husband's employer. For months she put off surgery to remove what her doctor thought were benign fibroid tumors and a polyp in her uterus. When she eventually scheduled surgery after working out a payment plan with a hospital, the polyp was found to be cancerous, requiring a hysterectomy. "I waited all that time, not knowing that I had this growing in me," Dow says. "If we had a lower deductible, I probably would have been treated a lot sooner." Dow is cancer-free but requires frequent monitoring. Now she's weighing another insurance dilemma because her husband started a new job. A highdeductible plan is one choice, but it's an option they want to avoid, she says.



A better way to partner with enrollees on costs

- Rethink benefit design
 - Put all or most outpatient services outside the deductible
 - Affordable and predictable cost-sharing
 - Reference pricing
 - Value-based insurance design
- Provide usable information to help distinguish between low- and high-value care.
- Optimize your network



Thank you

- Contact: Dena.Mendelsohn@consumer.org
- Visit us at ConsumersUnion.org
- Follow us at@ConsumersUnion



Panel Questions and Answers







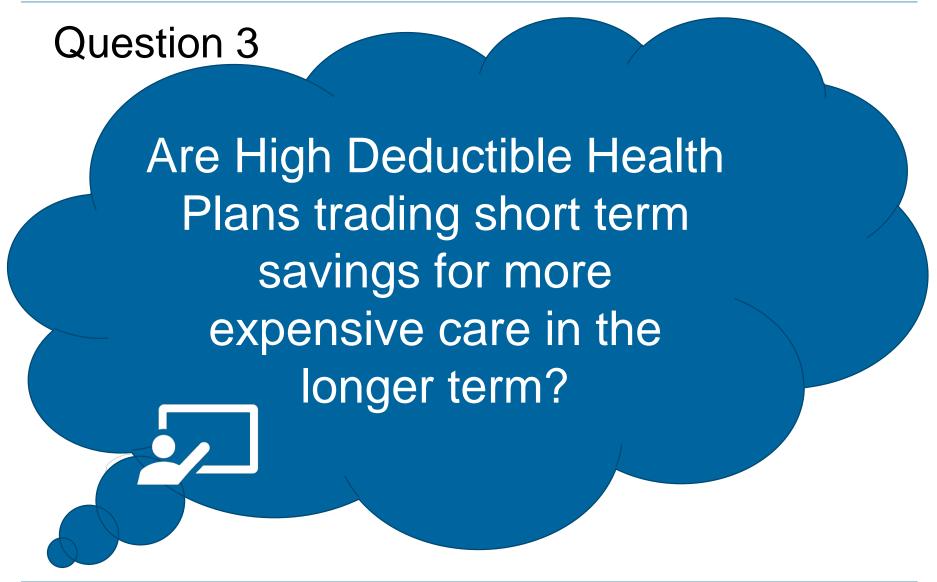
Do High Deductible
Health Plans
Discourage Patients
from Seeking the Care
they Need?



Question 2

Why aren't other tools that influence provider charging and consumer shopping used instead of high deductible designs; i.e. reference pricing?







Open

