

Appendix B-6. Presentation to the Green Mountain Care Board
December 11, 2014

Green Mountain Care: Lay of the Land for Covered Services and Level of Cost Sharing

Robin J. Lunge, J.D., MHCDS
Director of Health Care Reform, AOA

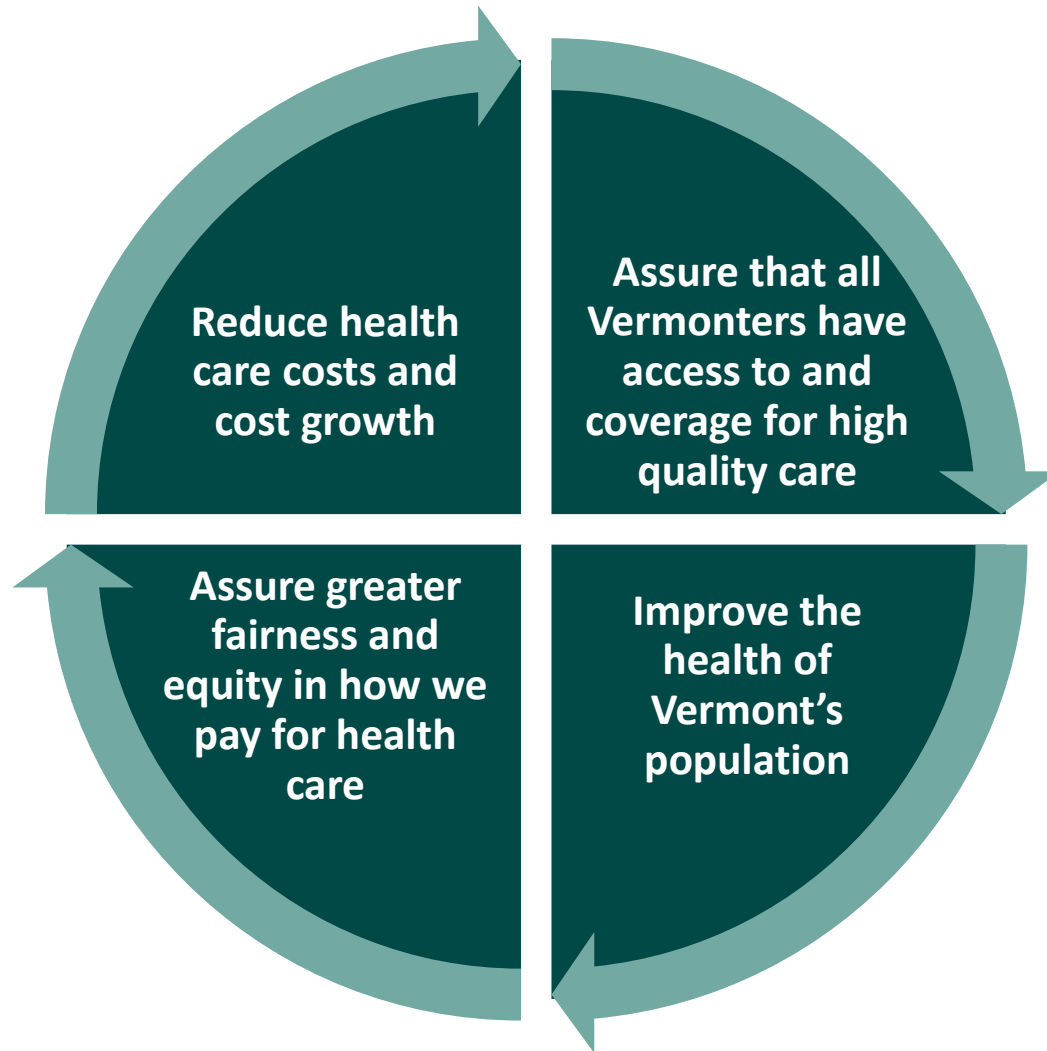
Devon J. Green, J.D.
Special Counsel on HCR, AOA

December 11, 2014

Discussion for Today

- Covered Services
 - Today's covered services
 - Overview of covered services in other states
 - Overview of covered services in other countries
- Level of Cost Sharing
 - Level of cost sharing in Vermont today
 - Overview of level of cost sharing in other countries
- Benefit design public input

Health Care Reform Goals: Why Reform?



GMC Benefits



Covered Services

- What services are paid in whole or in part by GMC?

Level of Cost Sharing

- How much should you pay when you get services?

Type of Cost Sharing

- Do you pay through co-pays, deductibles, or co-insurance?

Design Considerations

- Federal and state requirements for benefits
- Equity
- Administrative cost & complexity
- Options fit together, easy to explain
- Individual out of pocket cost (average & max)
- Medical cost & utilization
- Change from current/expected
- Federal & state tax implications

GMC Benefits and Covered Services



Covered Services

- What services are paid in whole or in part by GMC?

Level of Cost Sharing

- How much should you pay when you get services?

Type of Cost Sharing

- Do you pay through co-pays, deductibles, or co-insurance?

Covered Services Today

	Essential Health Benefit	State Employee and Retirees		VEHI Education Employees and Retirees	
		SelectCare	Total Choice	300 Ded	VHP
Chiropractic	Limit 12 visits then prior approval required	Limit 60 visits per year (total visits for PT, OT, ST, Chiro)	Limit 60 visits per year (total visits for PT, OT, ST, Chiro)	Prior approval required after 12 th visit	Prior approval required after 12 th visit
Infertility	Not covered	Up to \$50,000 lifetime max	Up to \$50,000 lifetime max	Not covered	Not covered
Bariatric Surgery	Covered	Covered, medical necessity	Covered, medical necessity	With prior approval	With prior approval
Fertility Drugs	Covered	Covered	Covered	Covered	Covered
Routine Eye Exams	1/year for children	\$100/2 years	\$100/2 years	Not covered	1/year

Covered Services Today

State Mandates stay in place:

- Maternity coverage
- Outpatient contraceptive services, including sterilization
- Home health care
- Emergency room services
- Newborn coverage
- Autism spectrum disorders for children
- Chiropractic services
- Prosthetic devices
- Mammograms
- Anesthesia for dental procedures performed on certain covered persons
- Child Vaccine benefits
- Prostate screenings
- Colorectal cancer screening
- Diabetes treatment
- Mental health and substance abuse
- Clinical trials for cancer patients
- Chemotherapy treatment
- Orally administered anticancer medication
- Treatment of inherited metabolic diseases
- Craniofacial disorders
- Off-label use

GMCB's Legal Parameters

- Green Mountain Care must have all of the ACA's essential health benefits (EHBs)
- State law requires GMCB to consider adding the following services:
 - Adult dental
 - Adult vision
 - Hearing
 - Long Term Care
- Vermont will not receive any extra federal funding to cover these services

Covered Services State Comparison– Dental EHB

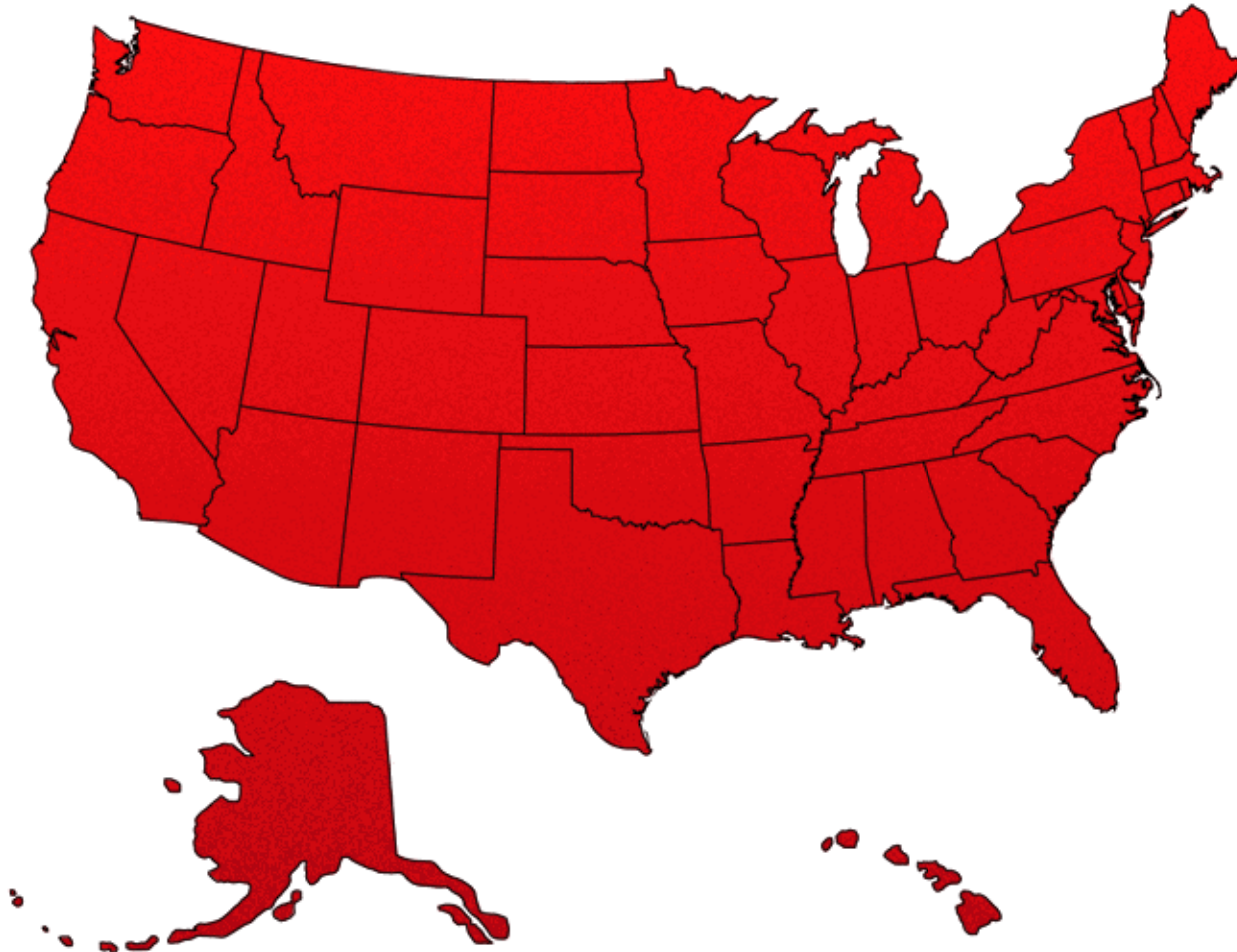
- At the last meeting, GMCB requested an overview of how adult dental is covered in other states
- We examined the essential health benefits package of each state as well as the Medicaid covered services to compare adult dental coverage

Covered Services State Comparison– Dental EHB

- All essential health benefits packages must include coverage of pediatric dental. Vermont covers pediatric dental up to age 21:
 - Prevention, evaluation and diagnosis, including radiographs when indicated
 - Periodic prophylaxis, including topical fluoride applied in a dentists office
 - Periodontal therapy
 - Treatment of injuries
 - Treatment of disease of bone and soft tissue
 - Oral surgery for tooth removal and abscess drainage
 - Treatment of anomalies
 - Endodontics (root canal therapy)
 - Restoration of decayed teeth
 - Replacement of missing teeth, including fixed and removable prosthetics (i.e. crowns, bridges, partial dentures and complete dentures)

Covered Services State Comparison– Dental EHB

Adult dental & health insurance: no states cover as EHB



Covered Services State Comparison– Dental EHB

Adult dental & health insurance:

- The U.S. Territories, except for Puerto Rico, covers:
 - 2 check-ups per year

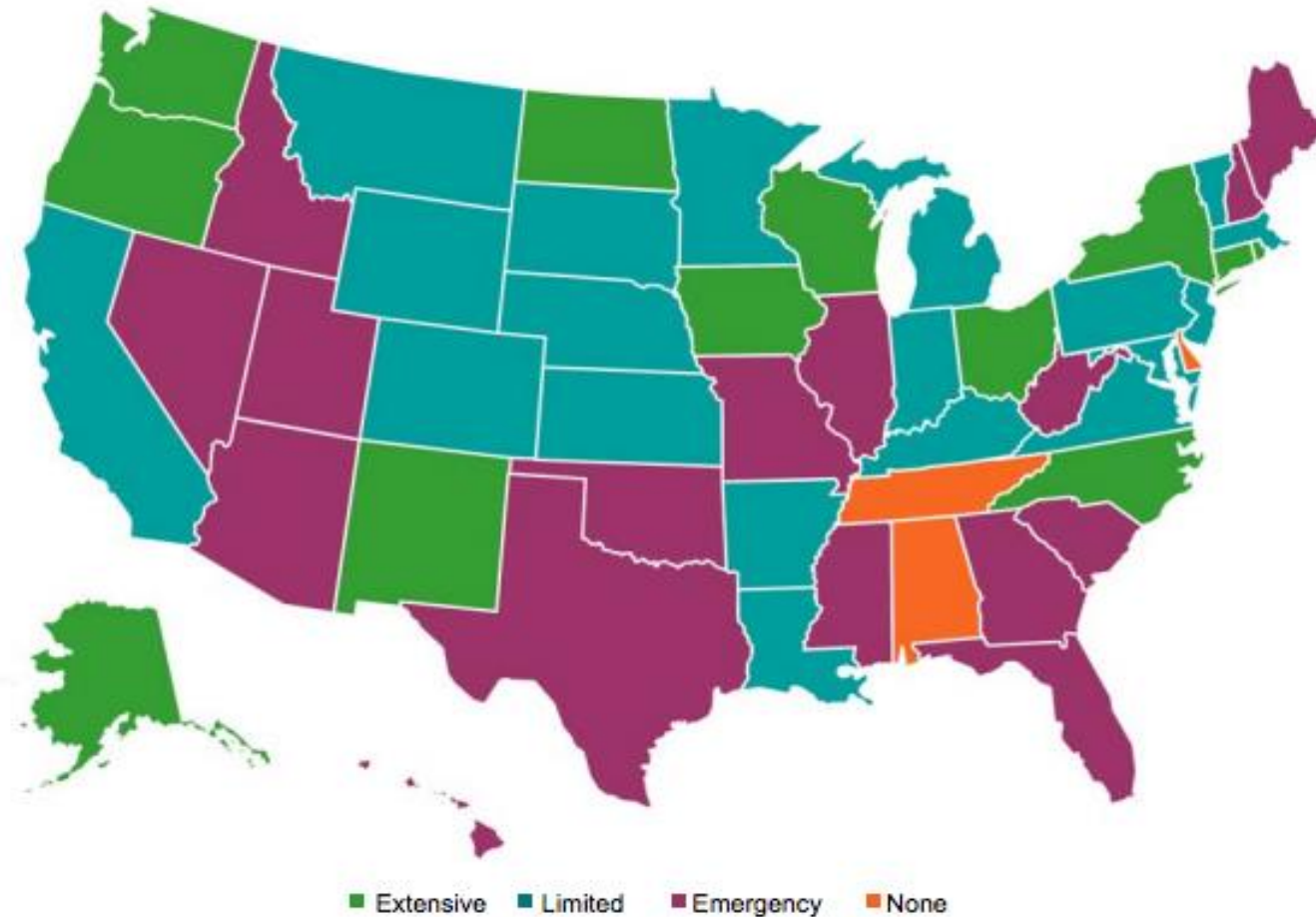
NOTE: Feds chose federal health insurance as benchmark plan due to unique nature of territory markets
- Puerto Rico covers
 - 2 check-ups per year
 - X-rays once every three years

Covered Services State Comparison– Dental Medicaid

- Under Vermont Medicaid, adults with income up to 138% FPL receive dental under Medicaid
 - \$510 per beneficiary per year
 - Beneficiaries pay \$3.00 per visit for dental services
- Benefit primarily limited by access to providers
 - Source: Green Mountain Care Board: Vermont Dental Landscape Study, 2013.

Covered Services State Comparison– Dental Medicaid

- Adult Dental & Medicaid



Source: Yarbrough C, Vujicic M, Nasseh K., *More than 8 Million Adults Could Gain Dental Benefits through Medicaid Expansion*. Health Policy Resources Center Research Brief.

American Dental Association. February 2014.

Covered Services State Comparison– Dental Medicaid

Benefit Level	Definition
None	No dental benefits.
Emergency	Relief of pain and infection. While many services might be available, care may only be delivered under defined emergency situations.
Limited	Includes benefits that have a per-person annual expenditure cap of \$1,000 or less.
Extensive	Includes benefits that have a per-person annual expenditure cap of at least \$1,000.

Covered Services International Comparison

- Health care systems in other countries generally cover:
 - Inpatient
 - Outpatient
 - Specialists
 - Clinical laboratory tests
 - Diagnostic imaging
 - Physical therapy
 - Pharmacy
- There is more variation in vision and dental coverage
- Comparisons of mental health coverage aren't readily available

Covered Services– International

	In-Patient	Out-patient	Specialist	Clinical	Imaging	Phys. Therapy	Pharmacy
Canada	✓	✓	✓	✓	✓	✗	✗
France	✓	✓	✓	✓	✓	✓	✓
Germany	✓	✓	✓	✓	✓	✓	✓
Japan	✓	✓	✓	✓	✓	✓	✓
Sweden	✓	✓	✓	✓	✓	✗	✓
Switz.	✓	✓	✓	✓	✓	✓	✓
U.K.	✓	✓	✓	✓	✓	✓	✓

Source: Paris, V., M. Devaux and L. Wei (2010), “Health Systems Institutional Characteristics: A Survey of 29 OECD Countries”, OECD Health Working Papers, No. 50, OECD Publishing. Data from 2007 or last available year, <http://dx.doi.org/10.1787/5kmfxfq9qbnr-en>

Covered Services– International

	Eyeglasses and/or contact lenses	Dental Care	Dental Prostheses
Canada	x	x	x
France	½	½	½
Germany	½	✓	½
Japan	x	✓	✓
Sweden	x	½	½
Switzerland	½	x	x
United Kingdom	x	✓	✓

Source: Paris, V., M. Devaux and L. Wei (2010), “Health Systems Institutional Characteristics: A Survey of 29 OECD Countries”, OECD Health Working Papers, No. 50, OECD Publishing. Data from 2007 or last available year, <http://dx.doi.org/10.1787/5kmfxfq9qbnr-en>

GMC Benefits and Covered Services

Covered Services

- What services are paid in whole or in part by GMC?

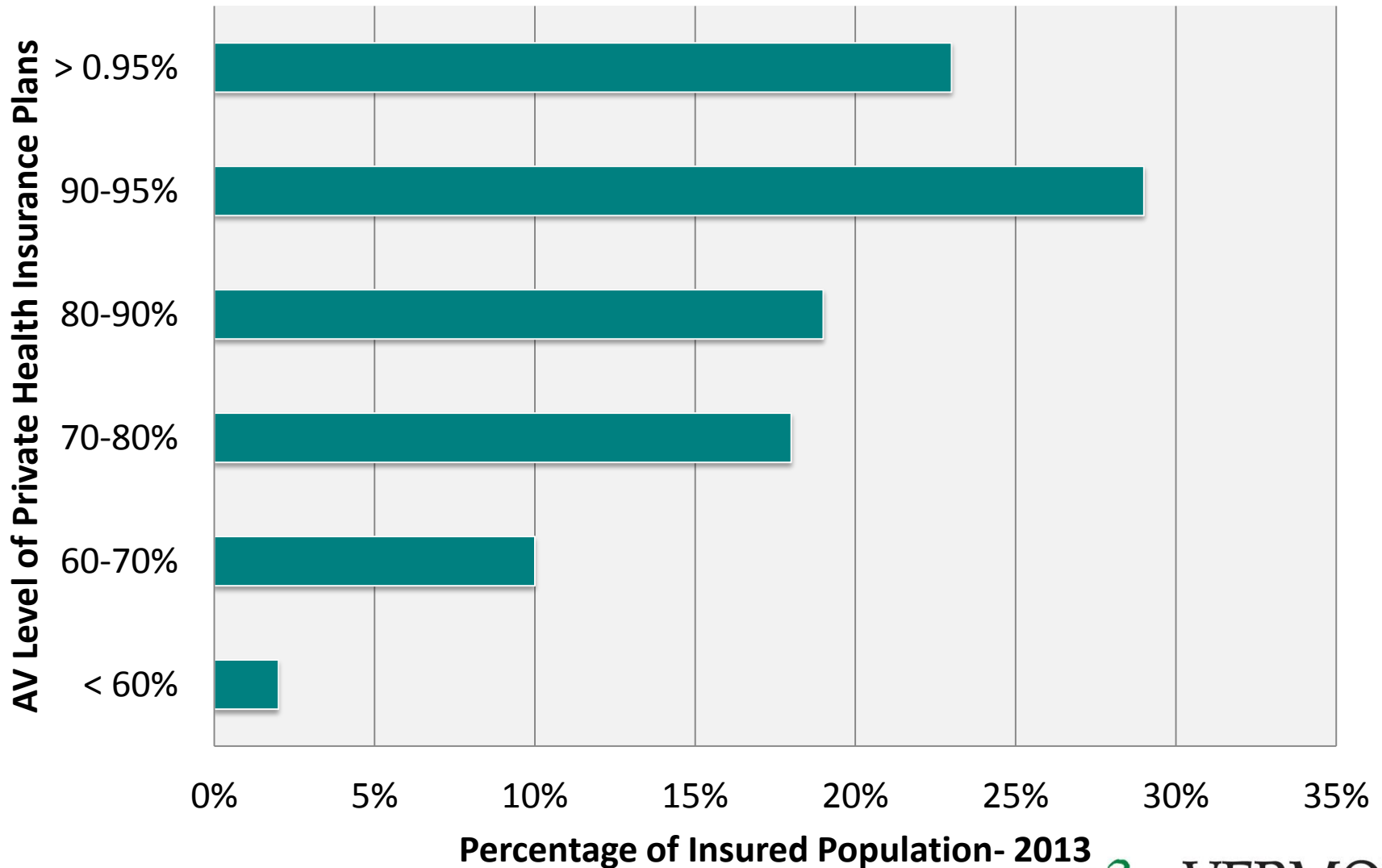
Level of Cost Sharing

- How much should you pay when you get services?

Type of Cost Sharing

- Do you pay through co-pays, deductibles, or co-insurance?

Level of Cost Sharing Today– Vermont



Excise Tax on “Cadillac” Plans

- In 2018, a 40% excise tax will be assessed on the cost of coverage for health plans that exceed a certain annual limit
 - \$10,200 for individual coverage
 - \$27,500 for couples and family coverage
 - Numbers are for 2018, will be indexed to inflation

Excise Tax on “Cadillac” Plans

EXHIBIT 1

Employers’ Responses to the Excise Tax, 2013

The International Foundation of Employee Benefit Plans asked 879 single-employer plans if they were taking action to avoid the 2018 excise tax.

Yes	16.8%
No, but considering	40.0%
No, no plan to do so	13.5%
Not sure	9.6%
Not applicable, have no high-cost plans	20.0%

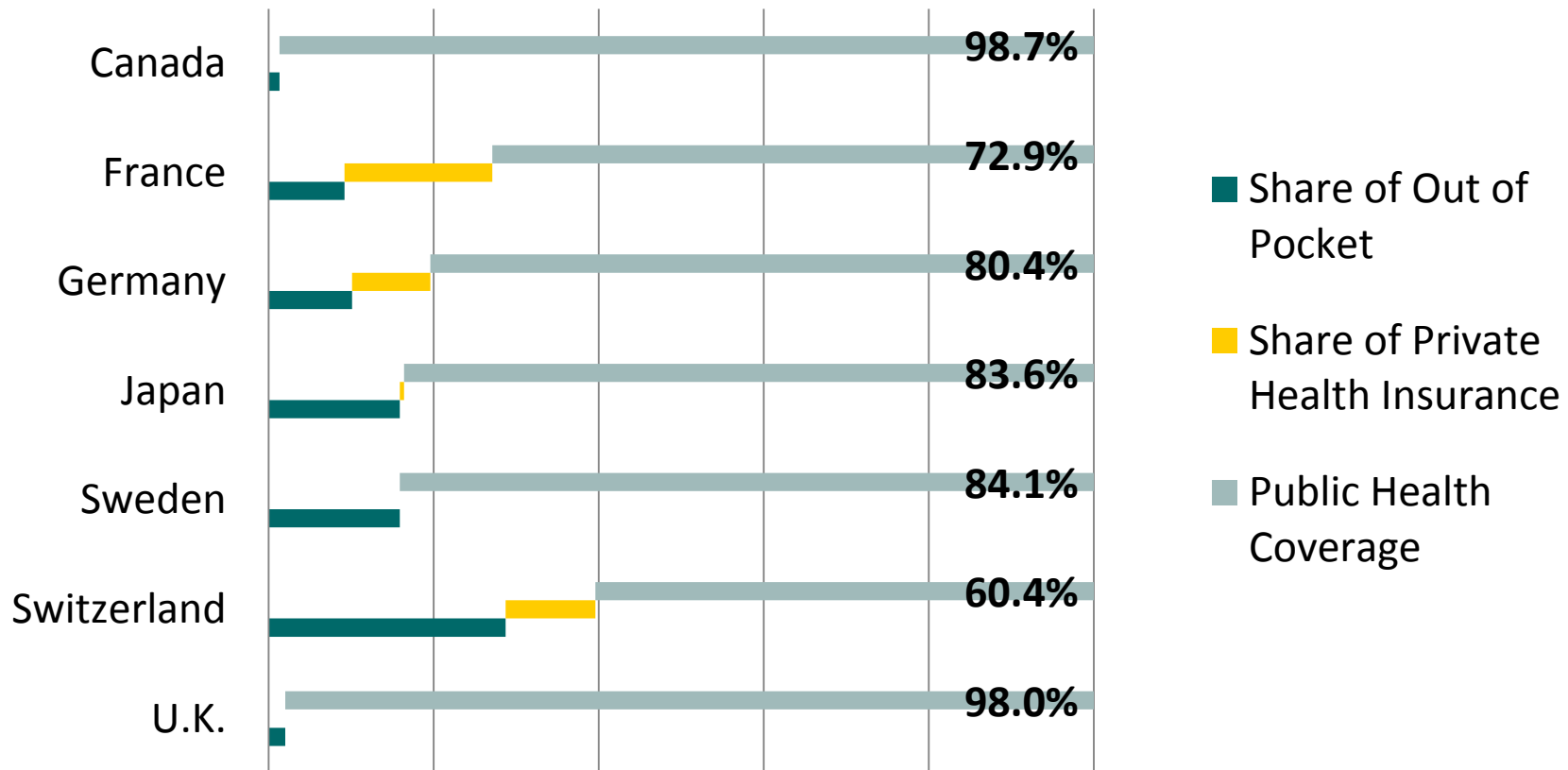
Employers that answered “yes,” by size

0-50	4.1%
51-499	13.1%
500-4,999	18.2%
5,000-9,999	18.5%
10,000+	29.4%

SOURCE International Foundation of Employee Benefit Plans, [“2013 Employer-Sponsored Health Care: ACA’s Impact: Survey Results,”](#) 2013.

Level of Cost Sharing– International

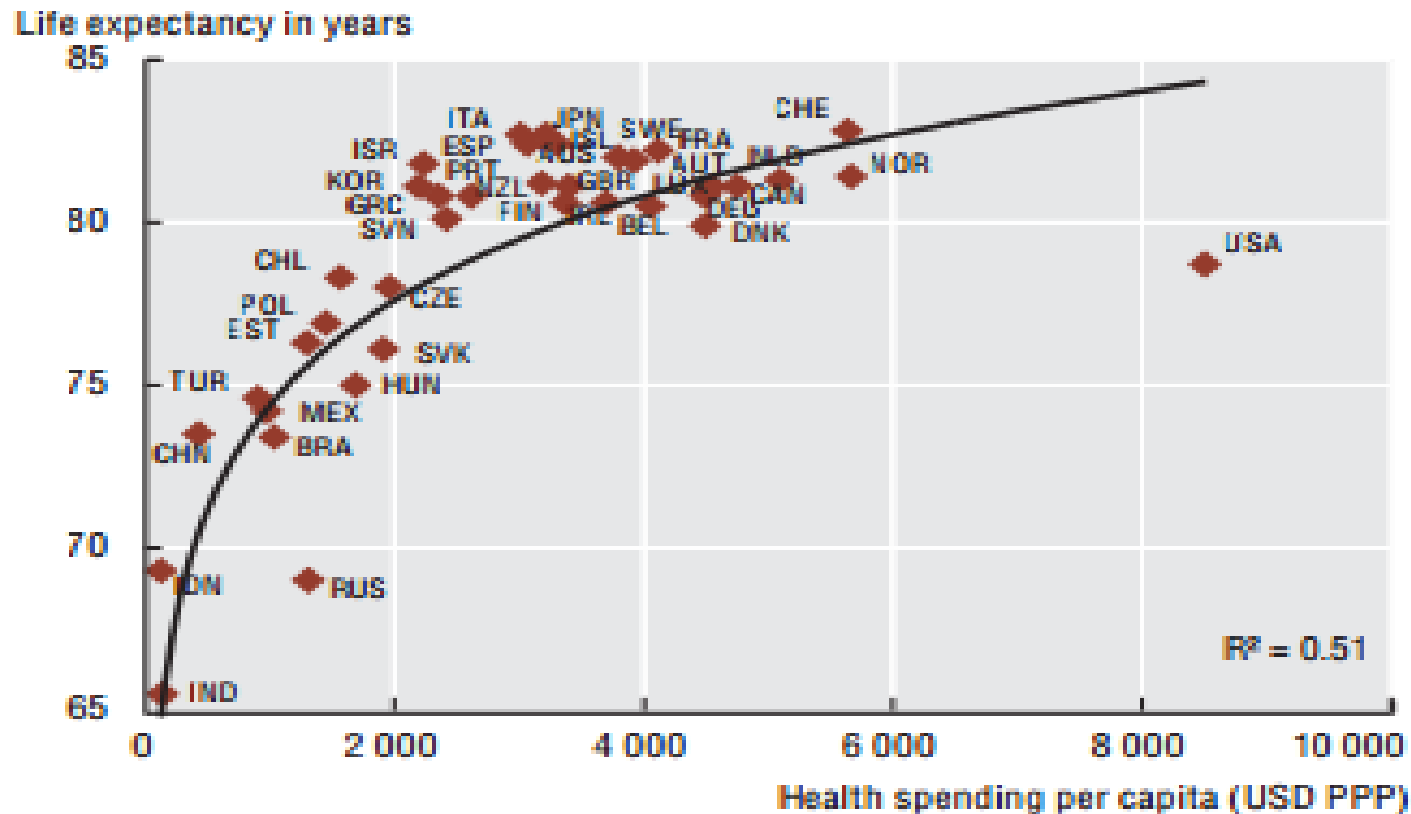
Coverage of Basic Medical and Diagnostic Services



Source: Paris, V., M. Devaux and L. Wei (2010), "Health Systems Institutional Characteristics: A Survey of 29 OECD Countries", OECD Health Working Papers, No. 50, OECD Publishing. Data from 2007 or last available year <http://dx.doi.org/10.1787/5kmfxq9qbnr-en>

Spending and Health Outcomes

Life Expectancy at birth and health spending per capita, 2011 (or nearest year)



Source: OECD Health Statistics 2013, <http://dx.doi.org/10.787/health-data-en>; World Bank for non-OECD countries

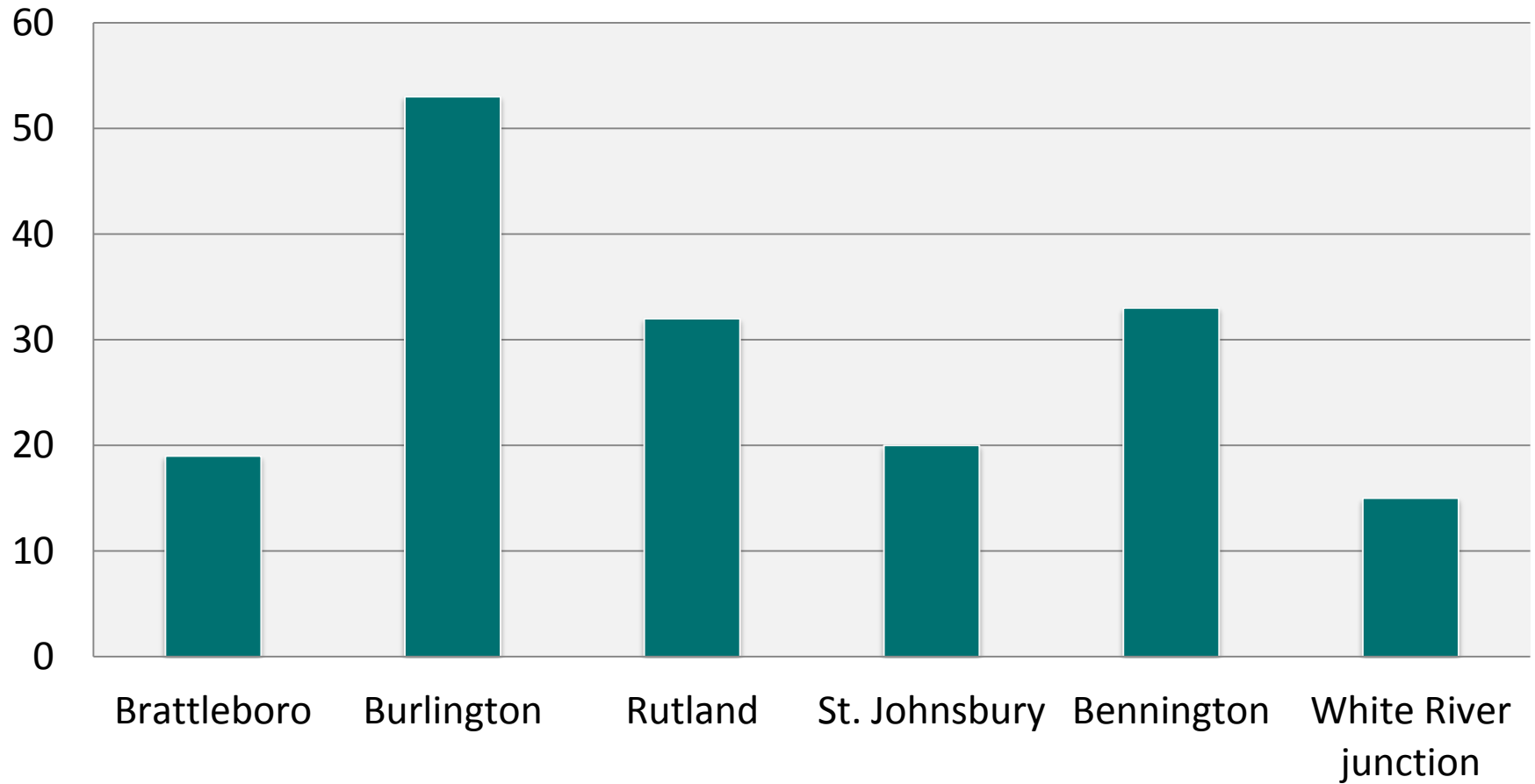
PUBLIC INPUT

2012 Listening Sessions

- During the spring of 2012, AHS and AoA held a series of listening sessions around the state of Vermont to gather input on GMC's benefit design
 - April 25 – Brattleboro, Marlboro College Grad Center
 - May 2 – Burlington, City Hall Contois Auditorium
 - May 8 – Rutland Free Library, Fox Room
 - May 31 – Public Hearing with GMCB held at 11 VIT video-conferencing sites around the state
 - June 7 – St. Johnsbury, Catamount Arts
 - June 13- Bennington, Firehouse
 - June 20 – White River Junction, Hartford High School

2012 Listening Sessions

Listening Session Participation



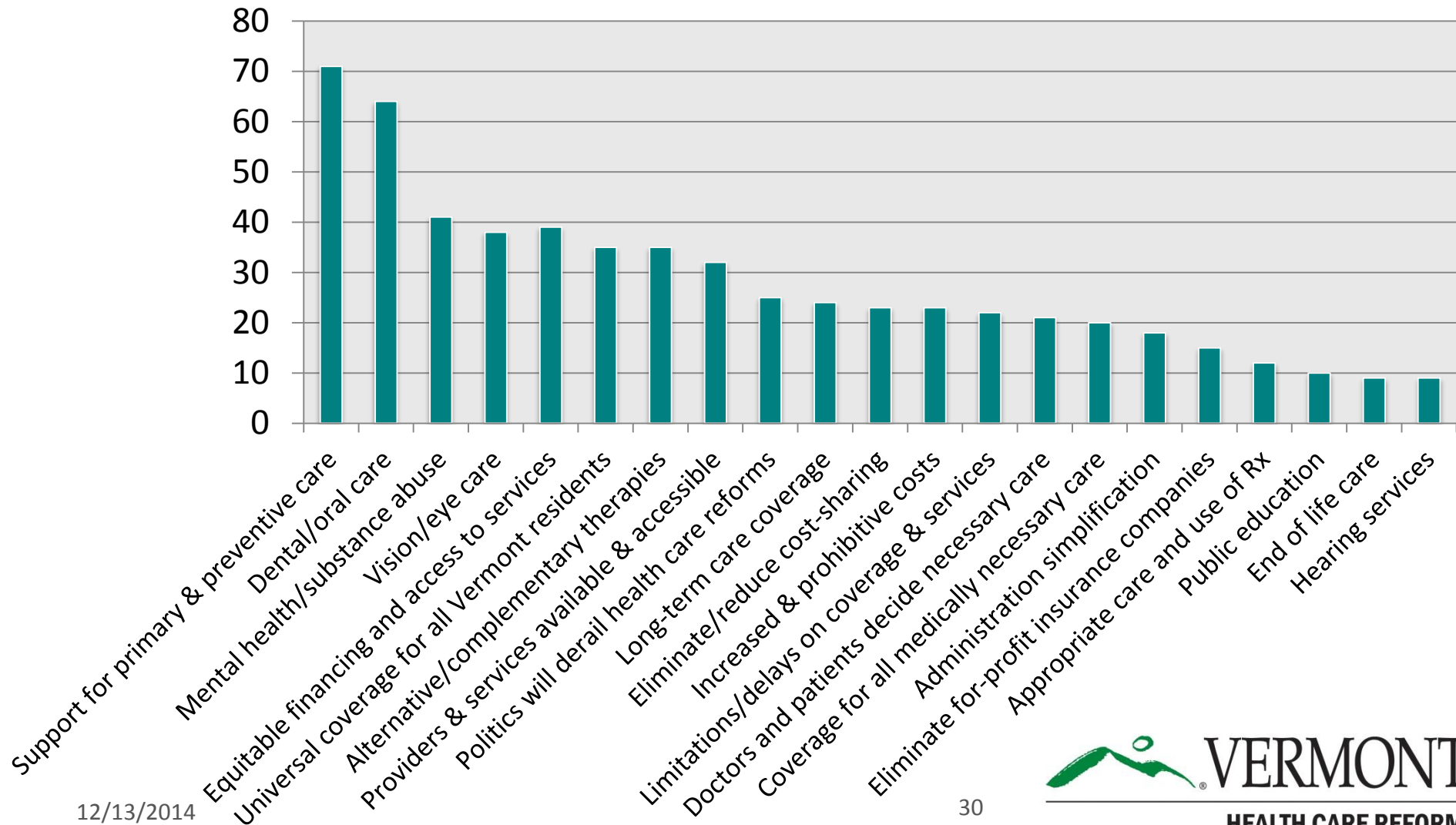
2012 Listening Sessions

The listening sessions were divided into three components:

- Information- Health care reform implementation timeline and background information to frame discussion on benefit design.
- *Exercise #1* - Gathering open-ended feedback on hopes and fears from the public surrounding benefits and the single-payer system.
- *Exercise #2* - Setting priorities and examining the boundaries and limitations of a publicly financed system.

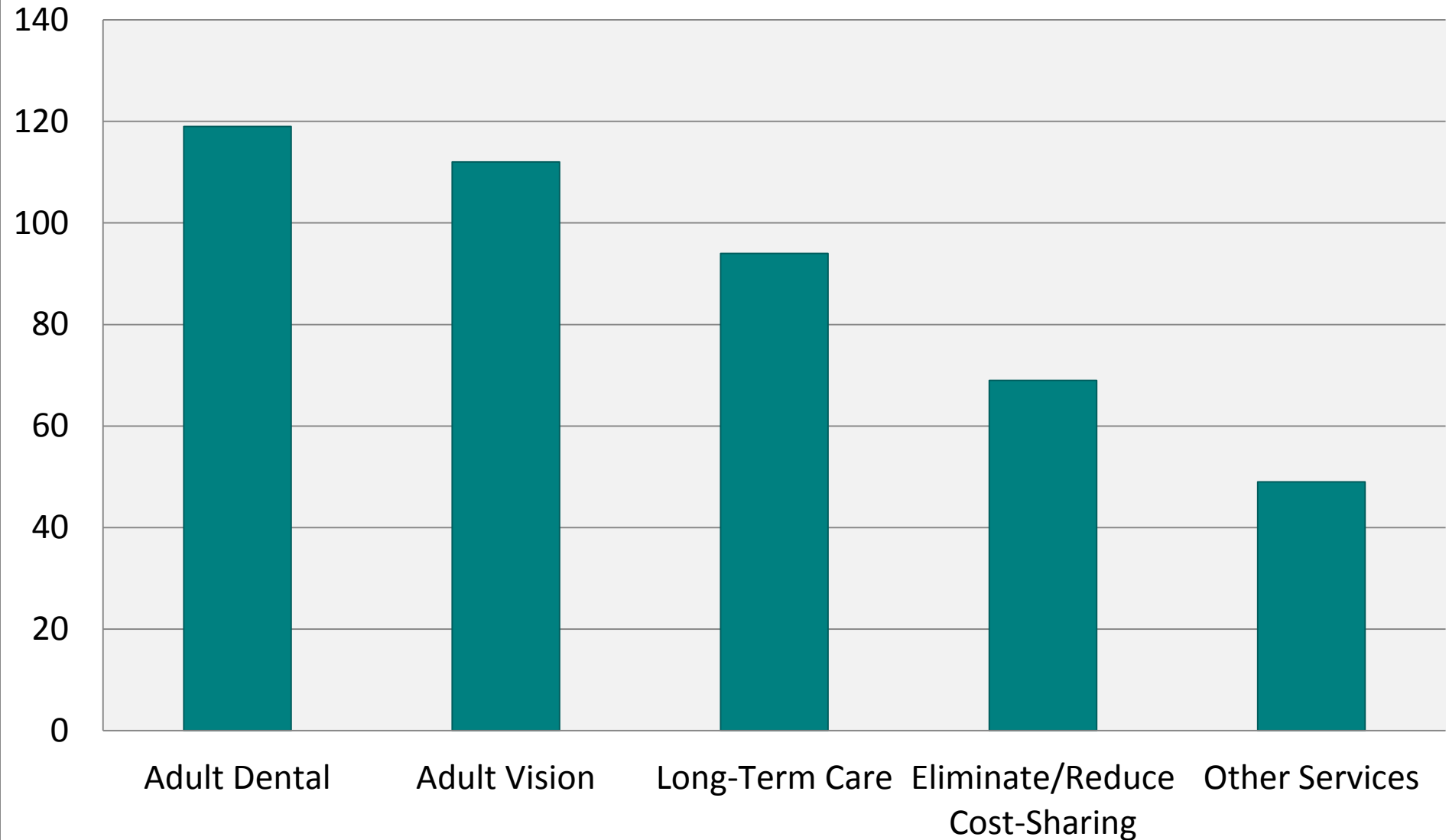
2012 Listening Sessions

Hopes & Fears



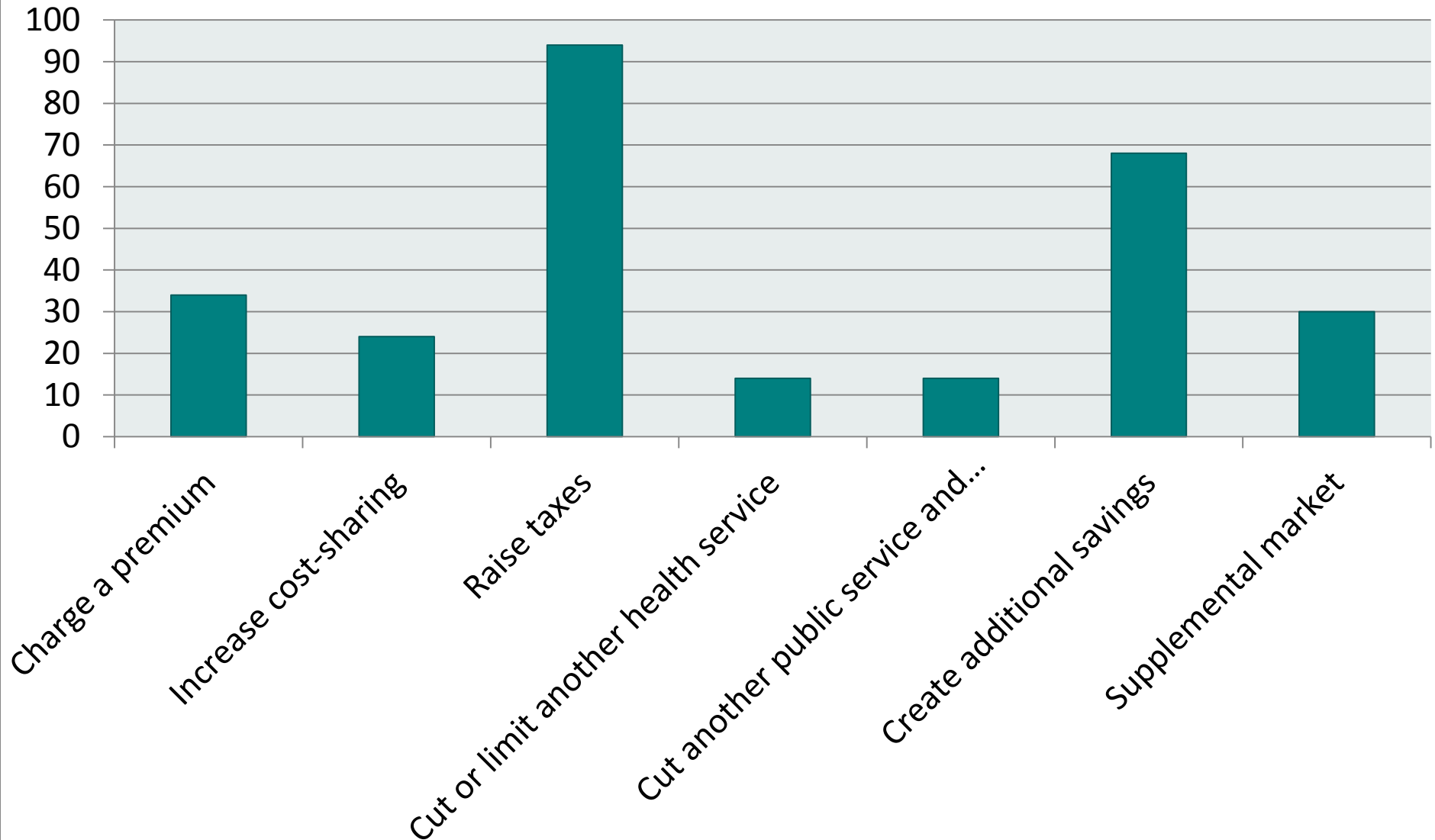
2012 Listening Sessions

Participant Preferences



2012 Listening Sessions

How would you raise additional funds or save money?



Questions?

Appendix B-7. Presentation by Ellen Meara, Ph.D on Health
Economics: Value Based Benefit Design

THE
Dartmouth
INSTITUTE

FOR HEALTH POLICY & CLINICAL PRACTICE

GEISEL SCHOOL OF MEDICINE AT DARTMOUTH

Health Economics: Value-Based Benefits & Analytics

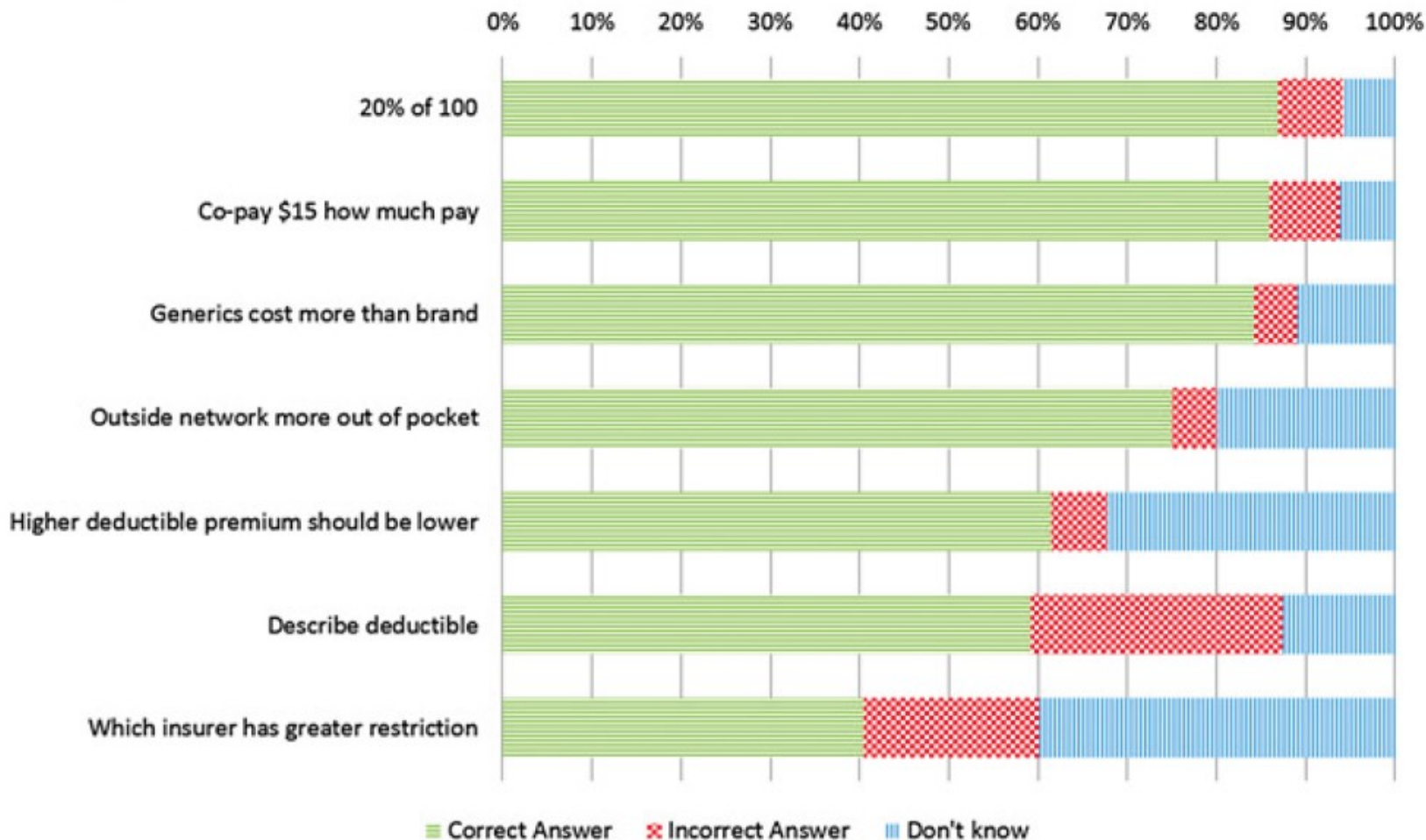
Vermont House Health Care Committee

Ellen Meara, PhD

MARCH 26, 2014

Context

Americans' (Lack of) Understanding of Health Insurance, 9/13



Goals

1

There is a tradeoff between insurance and costs

2

Cost-sharing lowers health care spending

3

Cost-sharing has unintended consequences

Goals

1

**There is a tradeoff between
insurance and costs**

Tradeoff Between Insurance and Costs

Why do we want
health insurance?

Protection in case of
(major) illness/injury

How is health
insurance different?

Not a one-time event
like fires / accidents

Tradeoff Between Insurance and Costs

Patients are
not fully
informed



Providers paid
to do more



Both shielded
from financial
consequences



Moral hazard

Goals

2

Cost-sharing lowers health care spending

3

Cost-sharing has unintended consequences

Cost-Sharing Effects

How Has Cost-Sharing Been Used?

Deductible and Coinsurance

Copayment

Tiered Formularies

Value-Based Insurance Design

High Deductibles

Cost-Sharing Effects

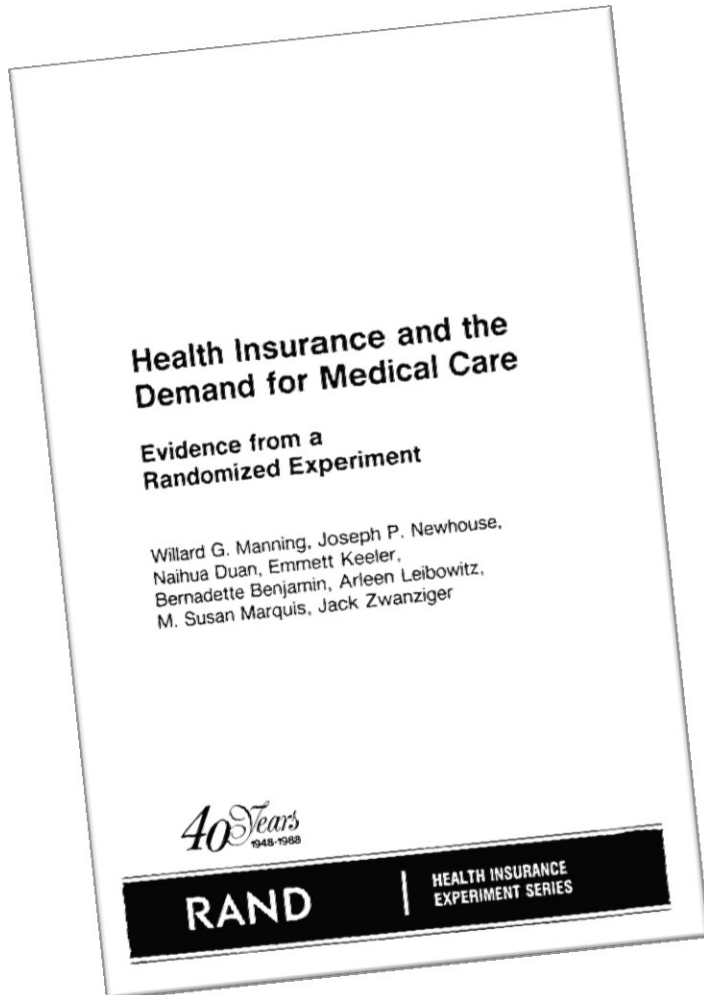
How Has Cost-Sharing Been Used?

Deductible and Coinsurance

Cost-Sharing Effects: Deductible and Coinsurance

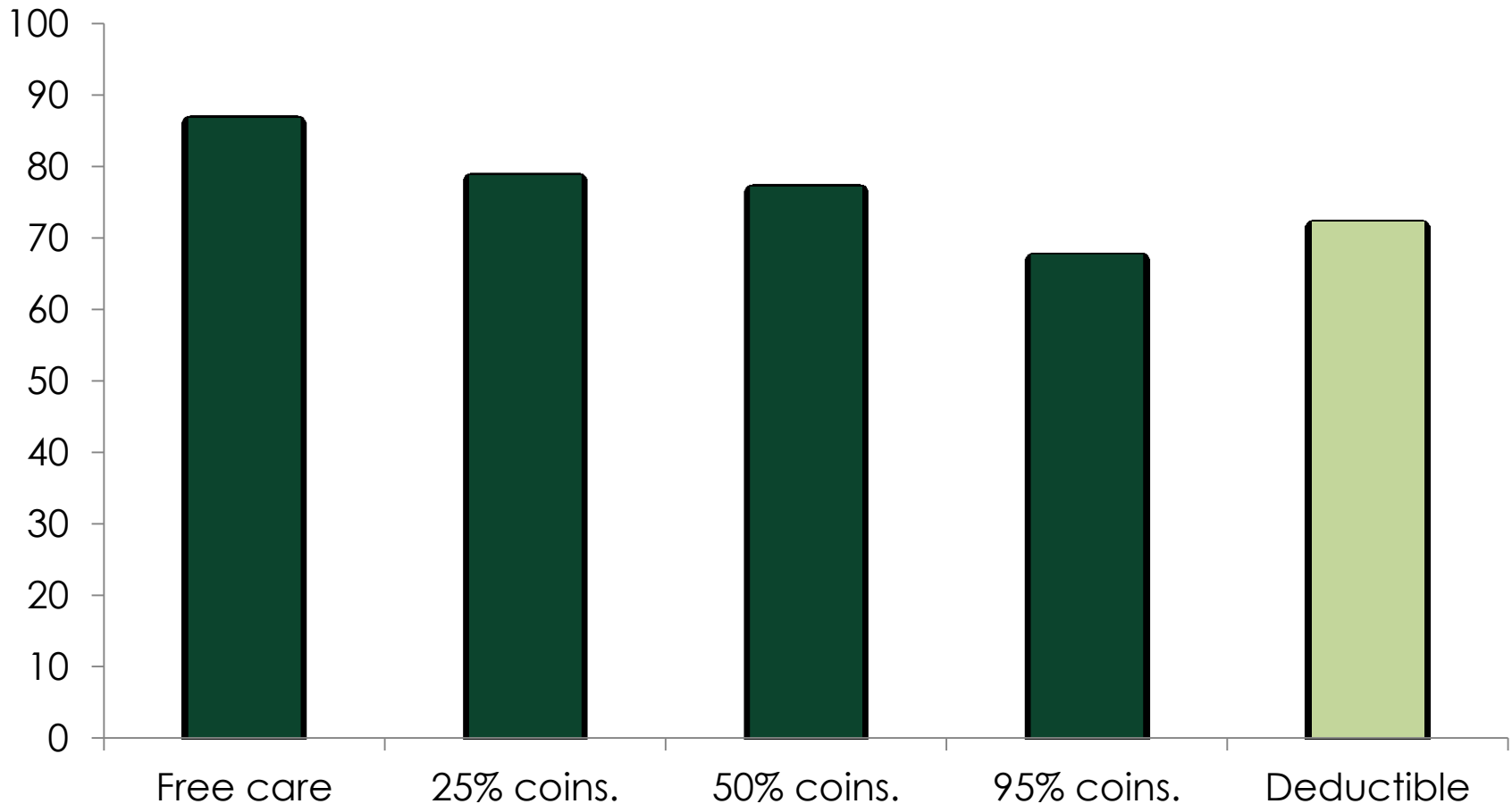
RAND Randomly Assigned 5,800 People

Plan (arm)	Coinsurance	Max Out-of-Pocket as % of Income	Deductible
Free Care	0%	NA	\$0
25%	25%	5%	\$0
50%	50%	10%	\$0
95%	95%	15%	\$0
Deductible	0%	NA	\$150 – single \$450 - family



Cost-Sharing Effects: Deductible and Coinsurance

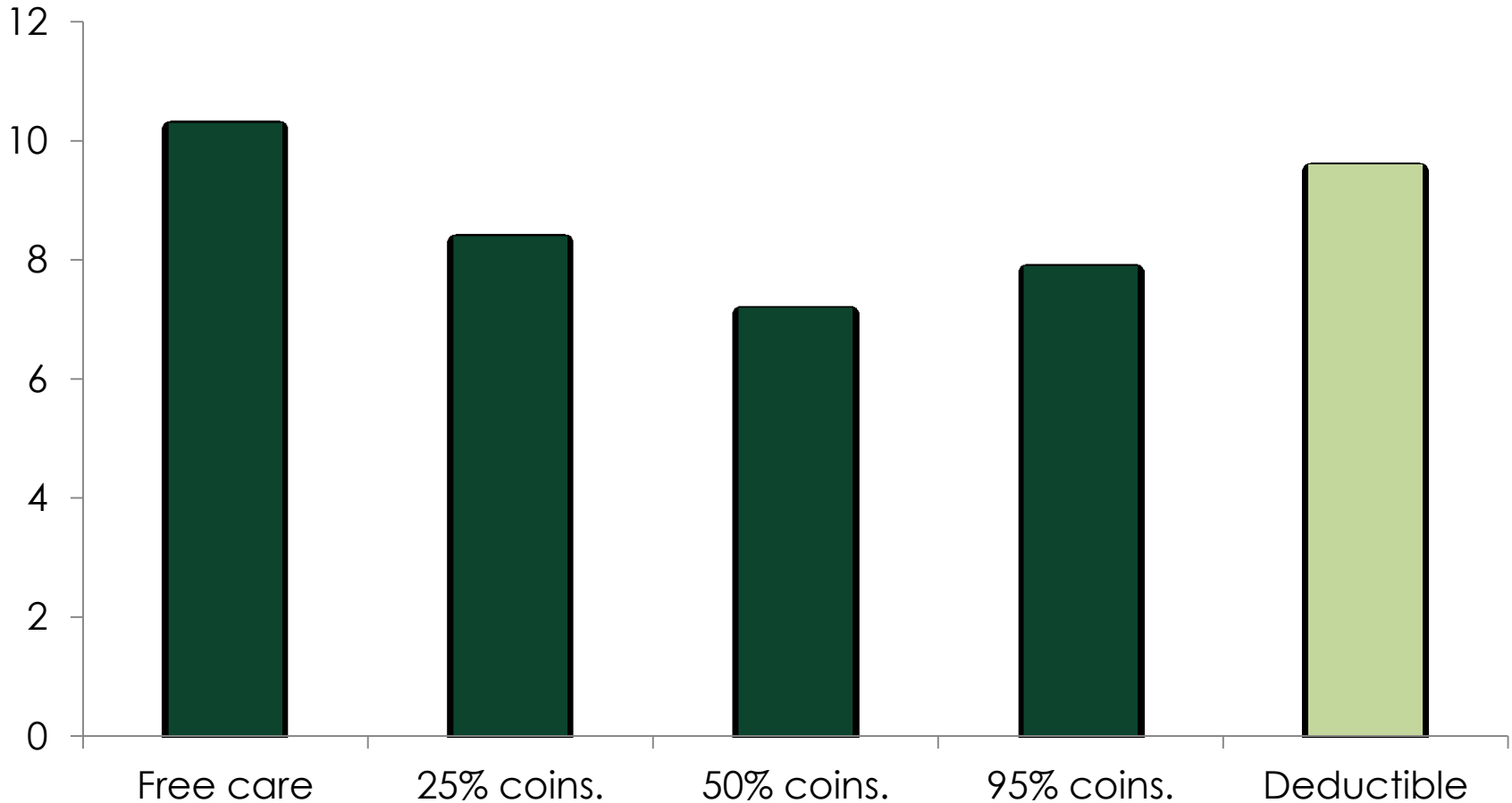
Percent of Beneficiaries Getting Any Medical Care



p-value < .0001 for difference across plans

Cost-Sharing Effects: Deductible and Coinsurance

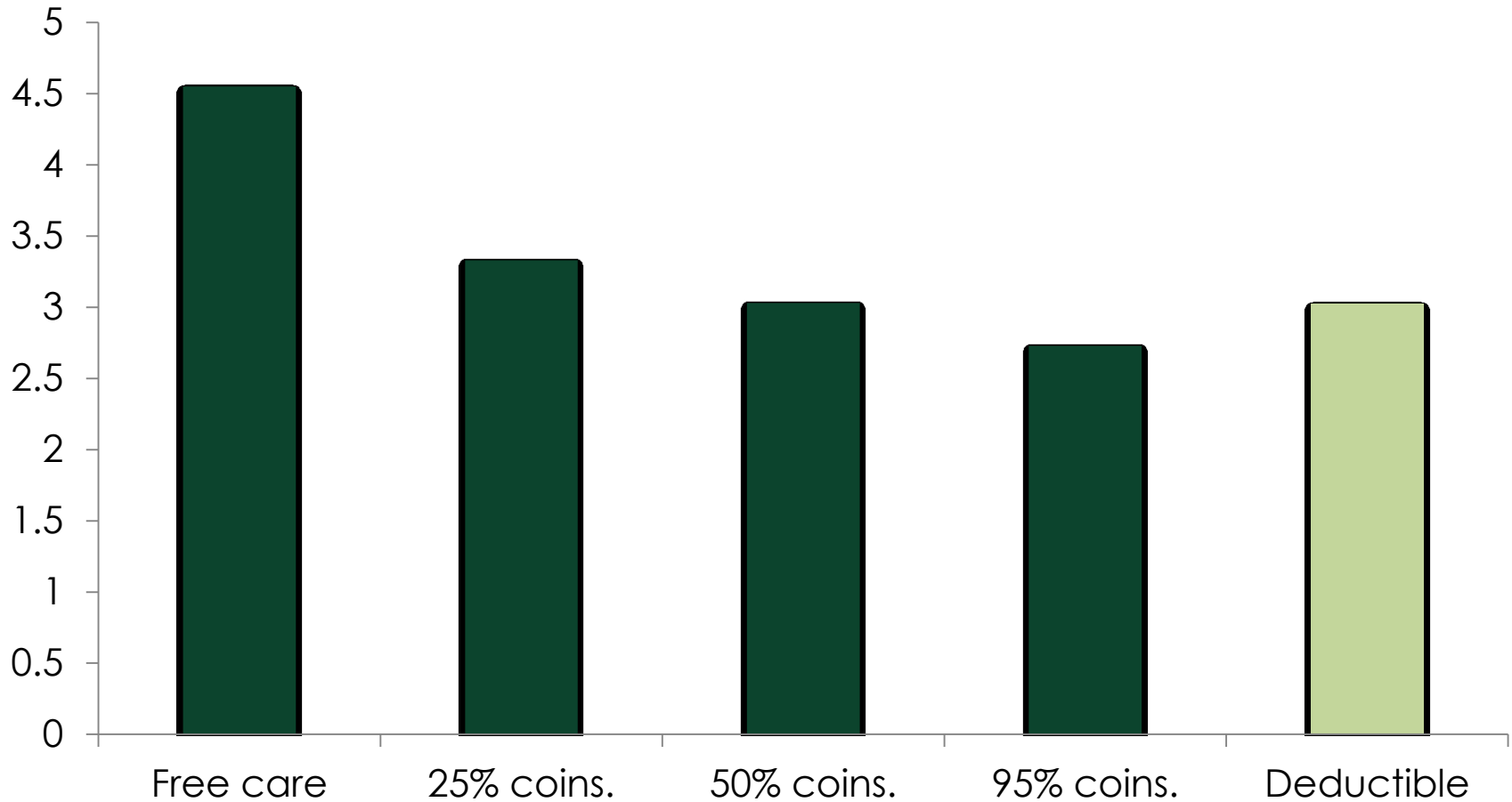
Percent of Beneficiaries with One or More Inpatient Admissions



p-value=.0006 for difference across plans

Cost-Sharing Effects: Deductible and Coinsurance

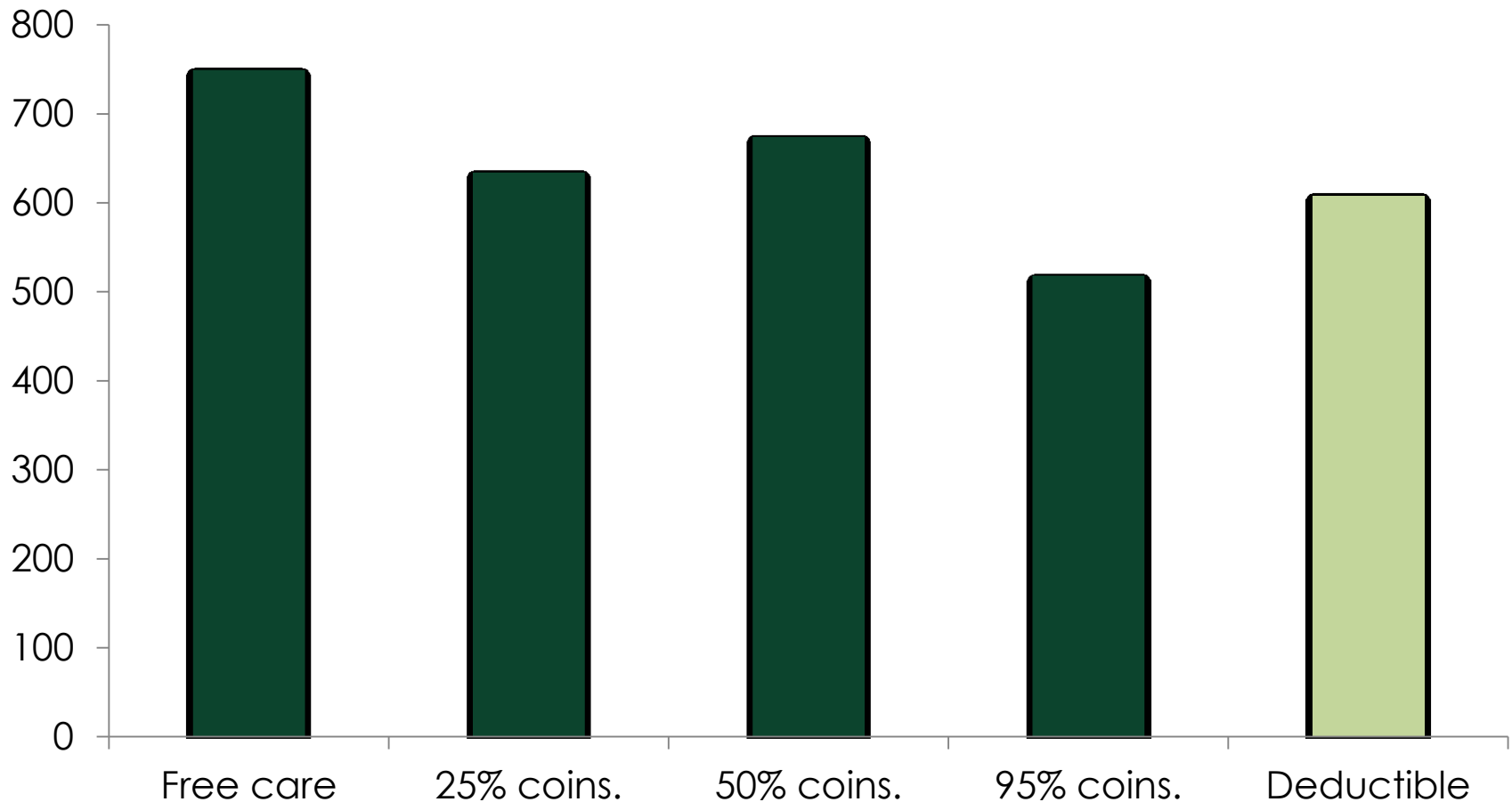
Annual Number of Face-to-Face Visits Per Beneficiary



p-value<.0001 for difference across plans

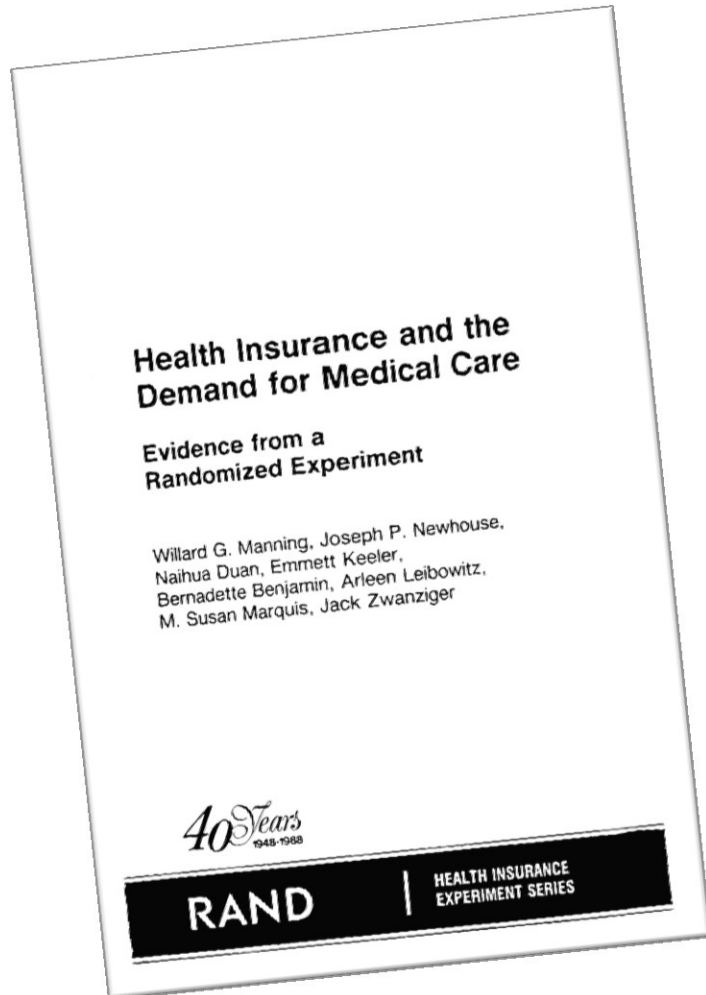
Cost-Sharing Effects: Deductible and Coinsurance

Total Annual Expenditures Per Beneficiary (1984 Dollars)



p-value=.003 for difference across plans

Cost-Sharing Effects: Deductible and Coinsurance



Utilization

Higher coinsurance **reduces effective and ineffective care** by same amount. A 10% rise in cost to patients led to 2% lower spending.

Outcomes

Higher coinsurance does not affect health outcomes for **healthy beneficiaries**.

Low-income groups at-risk of illness had adverse effects.

Cost-Sharing Effects

How Has Cost-Sharing Been Used?

Copayment

Cost-Sharing Effects: Copayment

Patient Cost-Sharing and Hospitalization Offsets in the Elderly

By AMITABH CHANDRA, JONATHAN GRUBER, AND ROBIN MCKNIGHT*

In the Medicare program, increases in cost sharing by a supplemental insurer can exert financial externalities. We study a policy change that raised patient cost sharing for the supplemental insurer for retired public employees in California. We find that physician visits and prescription drug usage have elasticities that are similar to those of the RAND Health Insurance Experiment (HIE). Unlike the HIE, however, we find substantial "offset" effects in terms of increased hospital utilization. The savings from increased cost sharing accrue mostly to the supplemental insurer, while the costs of increased hospitalization accrue mostly to Medicare. (JEL G22, I12, I18, I14)

The elderly are the most intensive consumers of health care in the United States today. Individuals over age 65 consume 36 percent of health care in the US, despite representing only 13 percent of the population (Centers for Medicaid and Medicare Services 2005). The Medicare program that insures the nation's elderly (as well as the disabled) is the third largest expenditure item for the federal government, and is projected to exceed Social Security by 2024 (Centers for Medicaid and Medicare Services 2005a). This rapid growth in program expenditures was reinforced by the recent introduction of Medicare Part D, a new plan providing coverage for the outpatient prescription drugs used by Medicare beneficiaries.

The federal government has undertaken a variety of strategies to control Medicare program growth on the supply side, from the introduction of prospective reimbursement for hospitals to reductions in provider reimbursement rates. Yet Medicare spending growth has continued unabated. Recently, there has been a growing interest in demand-side approaches to controlling system costs, through higher patient costs which would induce more price sensitivity in medical spending.

Demand-side approaches, however, are complicated by the fact that Medicare beneficiaries are often covered by multiple insurers at once. Because Medicare already has quite substantial cost sharing, most enrollees have some form of supplemental coverage for their medical spending, provided by an employer, purchased on their own, or provided through state Medicaid programs. The incentives of the supplemental insurer and Medicare are not necessarily readily aligned.

* Chandra: Kennedy School of Government, Harvard University, 79 JFK Street, Cambridge, MA 02138, and NBER (e-mail: Amitabh.Chandra@Harvard.edu); Gruber: Department of Economics, MIT, 50 Memorial Drive E52-355, Cambridge, MA 02142, and NBER (e-mail: gruberj@mit.edu); McKnight: Department of Economics, Wellesley College, 106 Central Street, Wellesley, MA 02481, and NBER (e-mail: rmcknight@wellesley.edu). We are grateful to two anonymous referees for very helpful comments, Kathy Donnenon and Terrence Newsome from CalPERS for invaluable technical assistance, Dan Gottlieb and Weiping Zhou at Dartmouth Medical School for assistance with the Medicare data, Drs. Dhruv Bansal, Photie Bansal, Julie Bynum, Amy Richardson, and Ivy Tju for assisting with classification of prescription drugs, James deBenedetti, Michele Douglas, Will Manning, Doug Miller, April Omoto, Doug Staiger, and seminar participants at the Annual Health Economics Conference, the NBER, RAND, UC-Davis, University of Missouri, Wellesley College, and the Pharmaceutical Economics and Policy Council for helpful comments. Gruber acknowledges support from the Kaiser Family Foundation and the National Institute on Aging, and Chandra from NIA P01 AG19783-02, an NBER Aging Fellowship, and the Nelson Rockefeller Center at Dartmouth.

Utilization

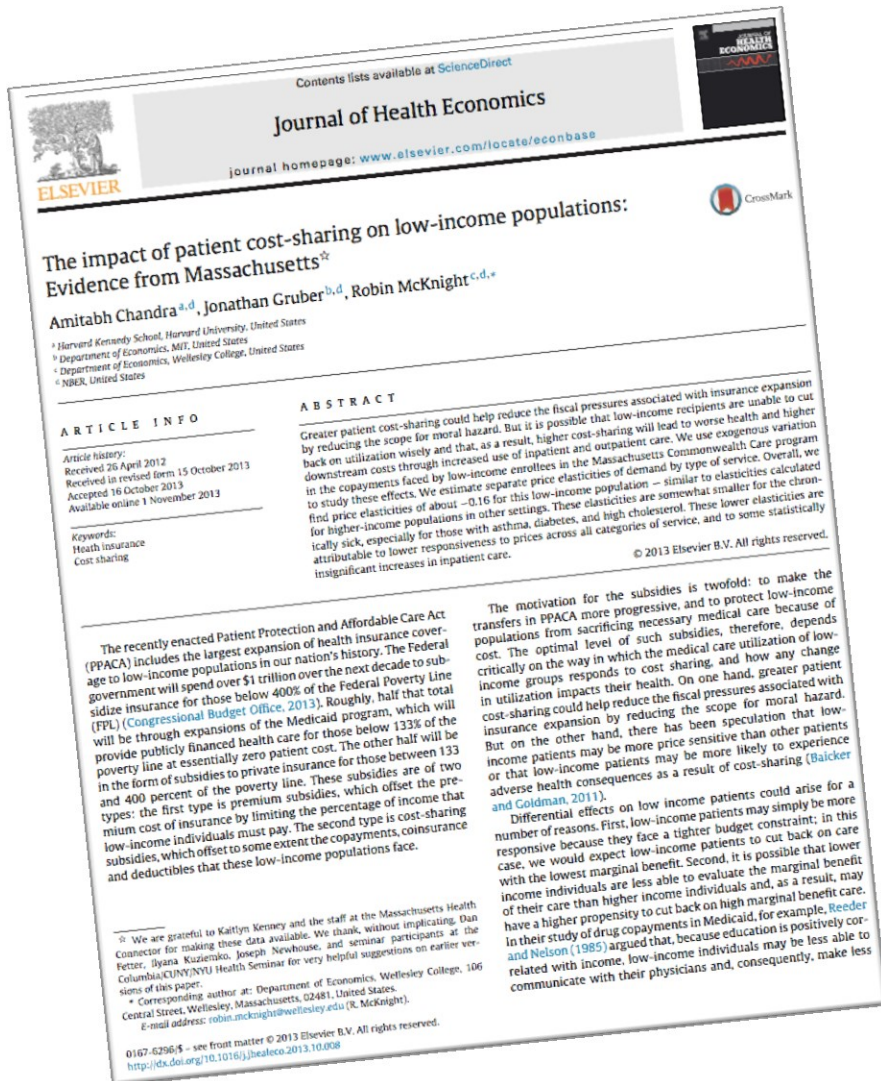
10% rise in price leads to 1.5%
decline in utilization.

Reductions occurred for acute, chronic, other drugs.

Outcomes

Hospitalizations went up
(especially for sickest)

Cost-Sharing Effects: Copayment



Utilization

Higher copayments lead to decreased **utilization**.

Outcomes

Higher copayments **do not result** in a hospital offset.

Cost-Sharing Effects

How Has Cost-Sharing Been Used?

Tiered Formularies

Cost-Sharing Effects: Tiered Formularies



Utilization

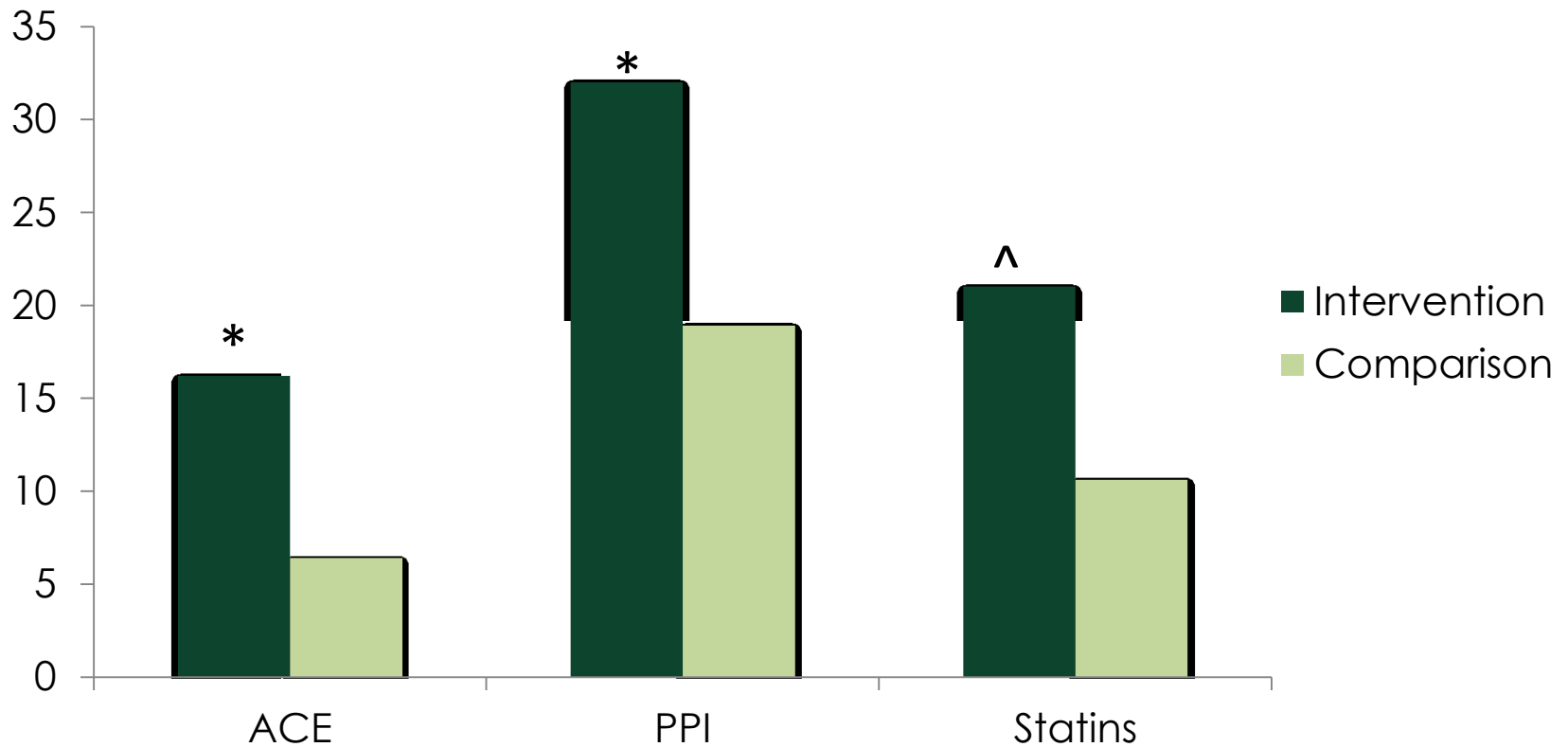
Drug spending **declined**, regardless of drug class.

Outcomes

Some patients **stopped** altogether.

Cost-Sharing Effects: Tiered Formularies

Percent Discontinuing Use in Drug Class

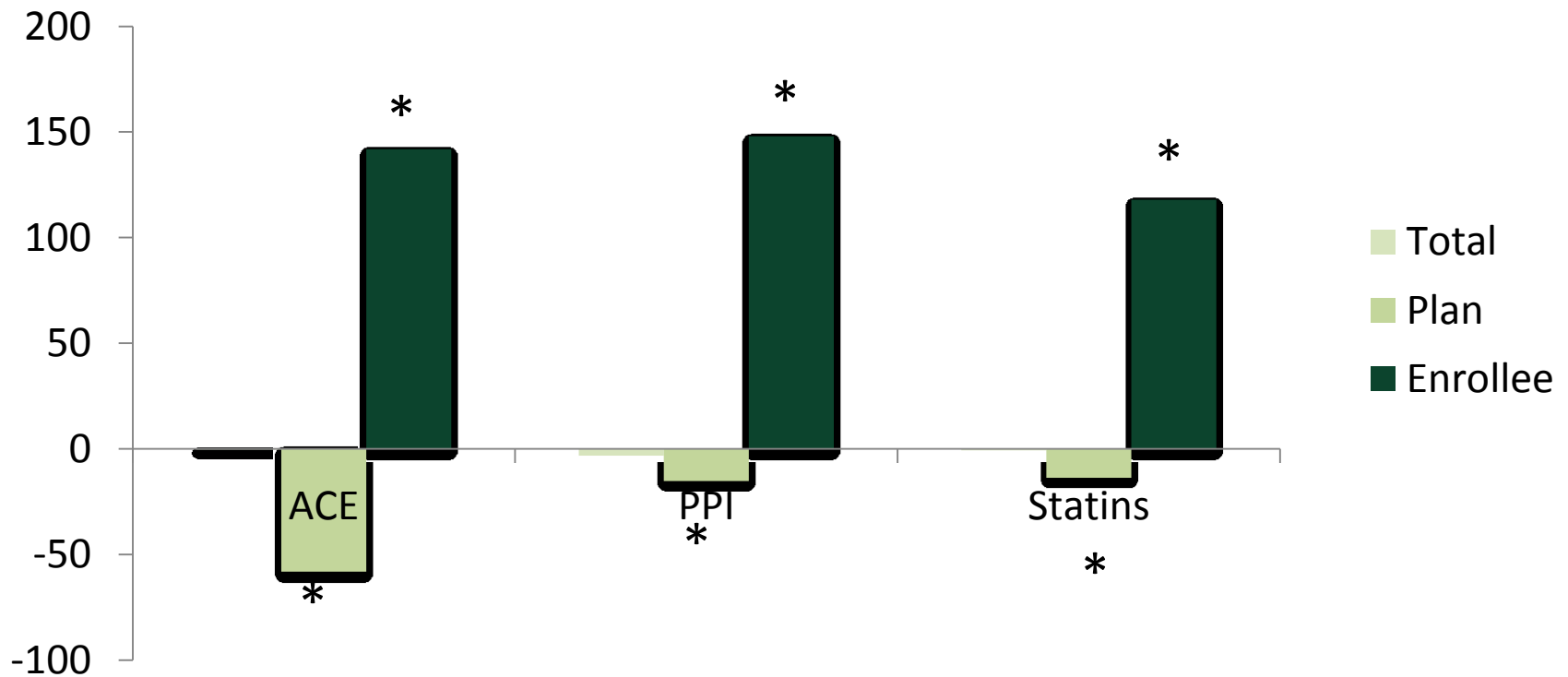


* P < .0001 for difference between intervention & comparison groups

^ P = .04 for difference between intervention & comparison

Cost-Sharing Effects: Tiered Formularies

Percentage Point Change In Spending, Intervention – Control Group



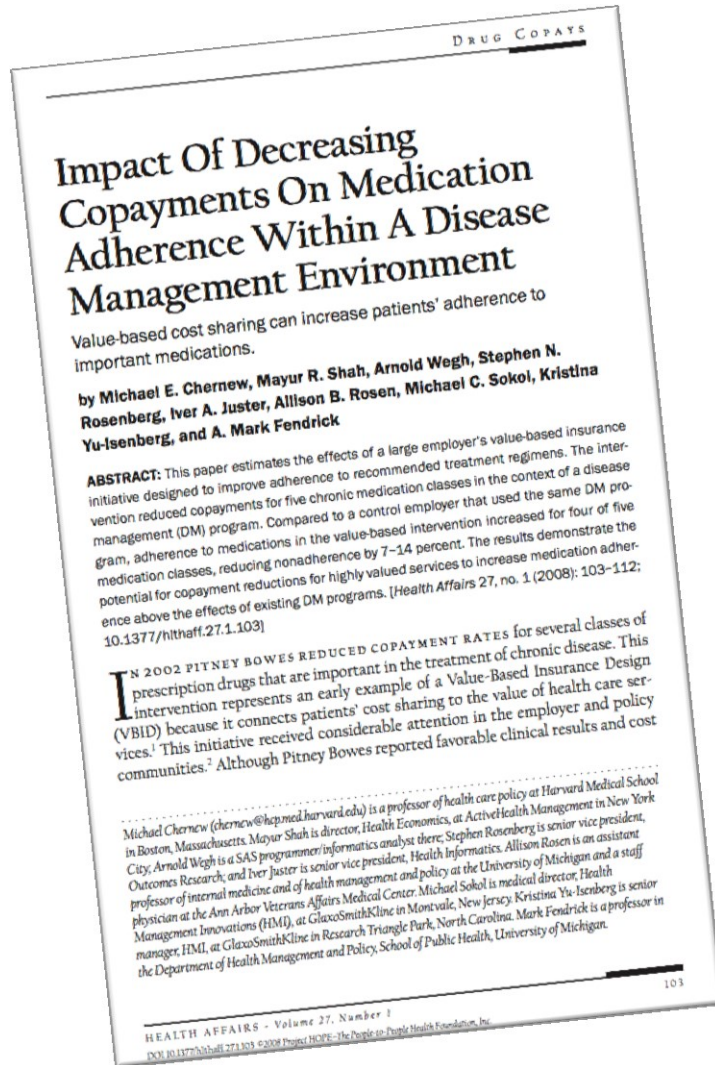
*P < .0001 for difference between intervention & comparison groups

Cost-Sharing Effects

How Has Cost-Sharing Been Used?

Value-Based Insurance Design

Cost-Sharing Effects: Value-Based Insurance Design



Utilization

10% drop in price leads to **1-4% rise** in Rx use

Cost-Sharing Effects

How Has Cost-Sharing Been Used?

High Deductibles

Cost-Sharing Effects: High Deductibles



Utilization

Reduction in utilization overall, even for free preventive care

Cost-Sharing Effects: High Deductibles

Utilization

Reduction in Emergency Room use even for severe emergencies

ORIGINAL CONTRIBUTION

Emergency Department Use and Subsequent Hospitalizations Among Members of a High-Deductible Health Plan

J. Frank Wharam, MR, BCh, MPH
Bruce E. Landon, MD, MBA
Alison A. Galbraith, MD, MPH
Ken P. Kleinman, ScD
Stephen B. Soumerai, ScD
Dennis Ross-Degnan, ScD

PATIENTS EVALUATED AT EMERGENCY departments often present with nonemergency conditions, an expensive practice that contributes to overcrowding and decreased continuity of care.¹⁻⁶ Evidence suggests that emergency department overcrowding is associated with adverse clinical outcomes,⁷⁻¹⁷ and proposed solutions have ranged from streamlining inpatient admissions to expanding primary care and insurance coverage.⁸⁻¹⁰ Others regard overutilization as symptomatic of inadequate consumer engagement in medical decision making, suggesting that patient services will reduce use of discretionary services if they share a greater proportion of health care costs.¹³⁻¹⁹

With health care premiums continuing to increase, policy makers,¹⁶ public and private payers,¹⁷⁻¹⁹ and employers²⁰ have shown interest in using high-deductible health plans (HDHPs) to control costs. These plans have low monthly premiums but subject most services to deductibles averaging \$2085 to \$4008 per year for family plans.²⁰ As a new health insurance product offering, high-deductible-associated plans have experienced rapid expansion; the percent-

Context Patients evaluated at emergency departments often present with nonemergency conditions that can be treated in other clinical settings. High-deductible health plans have been promoted as a means of reducing overutilization but could also be related to worse outcomes if patients defer necessary care.

Objectives To determine the relationship between transition to a high-deductible health plan and emergency department use for low- and high-severity conditions and to examine changes in subsequent hospitalizations.

Design, Setting, and Participants Analysis of emergency department visits and subsequent hospitalizations among 8724 individuals for 1 year before and after their employers mandated a switch from a traditional health maintenance organization plan to a high-deductible health plan, compared with 59 557 contemporaneous controls who remained in the traditional plan. All persons were aged 1 to 64 years and insured by a Massachusetts health plan between March 1, 2001, and June 30, 2005.

Main Outcome Measures Rates of first and repeat emergency department visits classified as low, indeterminate, or high severity during the baseline and follow-up periods, as well as rates of inpatient admission after emergency department visits among members who switched to high-deductible coverage decreased from 197.5 to 178.1 per 1000 members, while visits among controls remained at approximately 220 per 1000 (-10.0% adjusted difference in difference; 95% confidence interval [CI], -16.6% to -2.8%; $P = .007$). The high-deductible plan was not associated with a change in the rate of first visits occurring during the study period (-4.1% adjusted difference in difference; 95% CI, -11.8% to 4.3%). Repeat visits in the high-deductible group decreased from 334.6 to 255.3 visits per 1000 members and increased from 321.1 to 334.4 per 1000 members in controls (-24.9% difference in difference; 95% CI, -37.5% to -9.7%; $P = .002$). Low-severity repeat emergency department visits decreased in the high-deductible group from 142.5 to 92.1 per 1000 members and increased in controls from 128.0 to 132.5 visits per 1000 members (-36.4% adjusted difference in difference; 95% CI, -51.1% to -17.2%; $P < .001$), whereas a small decrease in high-severity visits in the high-deductible group could not be excluded. The percentage of patients admitted from the emergency department in the high-deductible group decreased from 11.8% to 10.9% and increased from 11.9% to 13.6% among controls (-24.7% adjusted difference in difference; 95% CI, -41.0% to -3.9%; $P = .02$).

Conclusions Traditional health plan members who switched to high-deductible coverage visited the emergency department less frequently than controls, with reductions occurring primarily in the rate of hospitalizations from the emergency department. Further research is needed to determine long-term health care utilization patterns under high-deductible coverage and to assess risks and benefits related to clinical outcomes.

JAMA. 2007;297:1093-1102

Author Affiliations: Department of Ambulatory Care and Prevention, Harvard Medical School and Harvard Pilgrim Health Care (Dr Wharam, Galbraith, Kleinman, Soumerai, and Ross-Degnan) and Department of Health Care Policy, Harvard Medical School, and Division of General Medicine and Primary Care, Beth Israel

Deaconess Medical Center (Dr Landon), Boston, Mass. Corresponding Author: J. Frank Wharam, MR, BCh, BAO, MPH, Department of Ambulatory Care and Prevention, Harvard Medical School and Harvard Pilgrim Health Care, 133 Brookline Ave, 6th Floor, Boston, MA 02215 (jwharam@partners.org).

(Reprinted) JAMA, March 14, 2007—Vol 297, No. 10 1093

For editorial comment see p 1126.

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Cost-Sharing Effects: High Deductibles

American Economic Review 2013, 103(1): 178-219
<http://dx.doi.org/10.1257/aer.103.1.178>

Selection on Moral Hazard in Health Insurance[†]

By LIRAN EINAV, AMY FINKELSTEIN, STEPHEN P. RYAN,
PAUL SCHRIMPE, AND MARK R. CULLEN*

We use employee-level panel data from a single firm to explore the possibility that individuals may select insurance hazard in part based on their anticipated behavioral ("moral hazard") response to insurance, a phenomenon we label "selection on moral hazard." Using a model of plan choice and medical utilization, we present evidence of heterogenous moral hazard as well as selection on it, and explore some of its implications. For example, we show that, at least in our context, abstracting from selection on moral hazard could lead to overestimates of the spending reduction associated with introducing a high-deductible health insurance option. (JEL D82, G22, I13, J32)

Economic analysis of market failure in insurance markets tends to analyze selection and moral hazard as distinct phenomena. In this paper, we explore the potential for selection on moral hazard in insurance markets. By this we mean the possibility that moral hazard effects are heterogenous across individuals, and that individuals' selection of insurance coverage is affected by their anticipated behavioral response to coverage. We examine these issues empirically in the context of employer-provided health insurance in the United States. Specifically, we break down the general

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Outcomes

Distorts timing of care

Cost-Sharing Effects

Type of cost sharing	Utilization fell as price rose?	Adverse events vs. better health care?
Deductible Coinsurance Copay	Yes – indiscriminately by service & population	Perhaps for low income, sickest patients
Tiered formularies	Yes – all drugs	Some evidence in asthma patients over age 5
Value-based design	Yes -	Increased medication compliance
High deductibles	Yes – even for “exempt” services	Not studied

Things to keep in mind

Estimated effects of cost-sharing are remarkably consistent across settings:

- Every 10% rise in price causes fall in use/spending that is 4% or less (most are around 2.0%)

Health effects hard to demonstrate

- Average, healthy patient not affected
- Adverse events possible for sicker, poorer patients

Will cost-sharing contain medical spending?

- YES, by about 20% if cost-sharing doubles

Will cost-sharing contribute to Act 48 goals of high-quality care & sustainable costs?

- Not nearly as likely for sickest, most vulnerable Vermonters
- Should be exercised strategically

Goals

1

There is a tradeoff between insurance and costs

2

Cost-sharing lowers health care spending

3

Cost-sharing has unintended consequences

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Health Economics: Value-Based Benefits & Analytics

Vermont House Health Care Committee

Ellen Meara, PhD

MARCH 26, 2014

Appendix B-8. Department of Human Resources Benefit
Summary SELECTCARE 2014

The SelectCare POS Plan

Summary of Benefits for the Employees and Retirees of the State of Vermont

What Does “POS” Mean?

- The “SelectCare POS Plan” is a “Point-of-Service” (POS) plan. In this plan, you decide whether or not to use a network doctor or hospital at the “**point of service**”, meaning, each time you use a medical service. When you use a network provider, the plan is similar to an HMO, with no annual deductible and small copay per visit.

It’s Your Choice

- You get access to quality care at the lowest out-of-pocket costs available under your plan by having your care coordinated through your Primary Care Physician and by seeing network providers. You also get the **freedom to choose** providers who aren’t part of the network. Your copays are lowest when you see participating providers, but you’re still covered for visits to non-network providers at a higher cost share.

Important Medical Plan Features

- You may choose a Primary Care Physician (PCP) – your personal doctor -- to coordinate your care. As your needs change, you may change your Primary Care Physician for any reason.
- **Preventive care services** for every covered family member and paid at 100%.
- See a participating OB/GYN – **no referral** required.
- **Emergency and urgent care are covered** wherever you go, worldwide, **24 hours a day**.

Drug Plan

- The program is administered by Express Scripts, Inc. The annual deductible is \$25 per covered person per year. The plan covers 90% of the cost of generic drugs, 80% of the cost of preferred brand drugs and 60% of the cost for non-preferred brand drugs. For the 2014 Plan Year, the maximum out-of-pocket cost per individual per year is \$775 (which includes the deductible). **40% copay drugs do not contribute to the maximum out of pocket limit.** At the local pharmacy, you show you drug plan card and pay your copay; the State is automatically billed for the balance of the cost. The drug plan also features a mail order option, with the convenience of direct home delivery for long-term maintenance drugs.

BENEFIT HIGHLIGHTS	IN-NETWORK	OUT-OF-NETWORK
<p>Primary Care Physician (PCP) Office Visit such as: <u>Preventive Care/Well Care:</u> Periodic Physical Exams (Children and Adults) Routine Immunizations and Injections Adult/Child Medical Care for Illness or Injury Procedures performed in a Physician's Office</p> <p>Routine Mammograms</p>	<p>YOUR COST IS THE COPAY – WITH NO ANNUAL MEDICAL DEDUCTIBLE.</p> <p>Paid at 100% Paid at 100%. \$20 Copay per office visit \$20 Copay Paid at 100%</p>	<p>THE PLAN PAYS 70% AFTER THE ANNUAL MEDICAL DEDUCTIBLE.</p> <p>70% 70% 70% 70% Paid at 100%</p>
<p>Specialist Office Visits such as: Consultations and Referral Physician Services Well Care (Includes Pap Test and PSAs) Procedures performed in Physician's office</p>	<p>\$20 Copay per office visit Paid at 100% \$20 Copay per office visit</p>	<p>70% 70% 70%</p>
<p>Inpatient Hospital Services: Semi-Private Room and Board Physician Services Diagnostic/Therapeutic Lab and X-ray Drugs and Medication Operating and Recovery Room Radiation Therapy and Chemotherapy Anesthesia and Inhalation Therapy</p> <p>Inpatient Surgeon's Charges Second Surgical Opinion</p>	<p>\$250 Copay per admission</p> <p>Paid at 100%. \$20 Copay per office visit.</p>	<p>70%</p> <p>All inpatient hospital admissions require Precertification. Call the toll-free number on your ID Card.</p> <p>70% 70%</p>
<p>Outpatient Facility Services including: Operating Room, Recovery Room, Procedure Room and Treatment Room including: Physician Services Diagnostic/Therapeutic Lab and X-rays Anesthesia and Inhalation Therapy</p> <p>Outpatient Preadmission Testing Office Visit Outpatient Facility</p>	<p>Paid at 100%.</p> <p>Paid at 100%. Paid at 100%.</p>	<p>70%</p> <p>70% 70%</p>
<p>Laboratory and Radiology Services such as: MRIs, MRAs, CAT Scans and PET Scans Other Laboratory and Radiology Services</p>	<p>Paid at 100%.</p>	<p>70%</p>
<p>Short-Term Rehabilitative Therapy including Physical, Speech, Occupational and Chiropractic Therapies.</p>	<p>\$20 Copay per office visit – Maximum of 60 visits per year in aggregate.*</p>	<p>70% Maximum of 60 visits per year in aggregate.*</p>
<p>Prescription Drugs For both Retail and Mail Order Drugs Combined: Annual Deductible (Separate from your medical deductible)</p> <p>Plan Pays</p> <p>Your 2013 Annual Maximum Copay, excluding deductible 2013 Maximum Out-Of-Pocket expense per year</p>	<p>\$25 per individual/\$75 per family</p> <p>90% for generic drugs, 80% for preferred brand drugs, and 60% for non-preferred brand drugs \$750 per person \$775 per person (\$750 maximum copays plus \$25 annual deductible.) , then the plan pays 100% for the rest of the calendar year</p>	<p>Not Covered</p>
<p>Emergency and Urgent Care Services at: Physician's Office Emergency Room, Urgent Care or Outpatient Facility Ambulance</p>	<p>\$20 Copay \$50 Copay per visit, (waived if admitted) Paid at 100%.</p>	<p>If true emergency, benefits are the same as the in-network benefits. If not a true emergency, benefits are paid at 70%.</p>
<p>Maternity Care Services Initial Office Visit to Confirm Pregnancy All other office visits <u>Delivery</u> Hospital Charges Physician Charges</p>	<p>\$20 Copay Paid at 100%.</p> <p>\$250 Copay per admission Paid at 100%.</p>	<p>70% 70%</p> <p>70% 70%</p>
<p>Inpatient Services at Other Health Care Facilities including: Skilled Nursing, Rehabilitation and Sub-Acute Facilities</p>	<p>Paid at 100%. 60 days maximum per calendar year</p>	<p>70%. Precertification applies. 60 days maximum per calendar year</p>
<p>Home Health Services</p>	<p>Paid at 100%.</p>	<p>70% ; 40 visits per calendar yr.</p>
<p>Family Planning Services Office Visits (tests, counseling) X-ray/lab if billed by separate facility Vasectomy/Tubal Ligation (excludes reversals) Inpatient Facility Outpatient Facility Surgery in Physician's Office</p>	<p>\$20 Copay Paid at 100%.</p> <p>\$250 per admission Paid at 100%. \$20 Copay</p>	<p>70% 70% 70% Precertification applies 70% 70%</p>
<p>Infertility Treatment – Up to \$50,000/lifetime Office Visits (tests, counseling) X-ray/lab if billed by separate facility Treatment/Surgery (includes In-vitro Fertilization, Artificial Insemination, GIFT and ZIFT) done at an inpatient or outpatient facility or physician's office.</p>	<p>\$20 Copay Paid at 100%. Paid at 100%.</p>	<p>Covered in-network only</p> <p>Covered in-network only</p>

BENEFIT HIGHLIGHTS	IN-NETWORK	OUT-OF-NETWORK
<u>Mental Health and Substance Abuse Precertification Required</u>		
Inpatient Mental Health	100%	70%
Inpatient Substance Abuse	100%	70%
Inpatient Substance Abuse Detoxification	100%	70%
Inpatient Substance Abuse Rehab Facility	100%	70%
Outpatient Mental Health	100%	70%
Marital/Family Counseling	100%	Not Covered
Outpatient Substance Abuse	100%	70%
Durable Medical Equipment	Paid at 100%.	70% \$700 Calendar year maximum
External Prosthetic Appliances	Paid at 100%.	70% \$1,000 Calendar year maximum
Vision Care	\$100 every two calendar years, no deductible or coinsurance, routine exams and lenses.	
OTHER BENEFIT INFORMATION		
<u>Annual Deductible</u> Individual Family	None None	\$500 \$1,000
<u>Annual Out-of-Pocket (OOP) Maximum</u> Individual Family	None None	\$2,000 plus deductible \$6,000 plus deductible
Coinsurance	None	The plan pays 70% of eligible charges after the annual deductible is met. You pay 30% of the charges after the annual deductible is met.
Precertification (Inpatient, Outpatient, and MRI's)	Handled by your physician	Member must obtain approval
Lifetime Maximum	Unlimited	Unlimited

* Out-of-network treatment maximums are reduced by in-network services used.

If you use an In-Network Provider (In-Network Services):

- All services must be provided by or referred by your Primary Care Physician (PCP) in order to be covered except for: emergency services, routine care provided by a participating OB/GYN, and mental health and substance abuse services..

If you use a Out-of-Network Provider (Out-of-Network Services):

- All out-of-network hospital admissions, outpatient surgeries and MRI's must be precertified by the member. Precertification is **not required** for emergency admissions. To precertify, call the telephone number on the back of your ID card.
- Benefits which are not covered out-of-network are: Organ Transplants, Infertility Treatment and Prescription Drugs.
- Once the out-of-pocket maximum for Out-of-Network services is reached, the plan pays 100% of eligible charges for the remainder of the calendar year.

Appendix B-9. Scenarios Illustrating Benefit Designs

State of Vermont
Estimated Out of Pocket Costs

Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS
For illustrative purposes only

Scenario	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
Pregnancy	\$872	\$1,705	\$695	\$2,100
Mental Health	\$620	\$900	\$520	\$1,445
COPD	\$1,122	\$2,140	\$850	\$2,100
Multiple Sclerosis	\$2,155	\$1,713	\$850	\$2,100
Family of Four	\$515	\$984	\$544	\$2,790

Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

State of Vermont
Estimated Out of Pocket Costs - Pregnancy Scenario
Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS
For illustrative purposes only

Scenario:

27 year old female on Single insurance. Pregnant. ER visit/delivery/surgery due to Ectopic pregnancy.

Pregnancy Services	# Units	Allowed Cost per Service	Allowed Costs	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
OB/GYN exams	8	\$98	\$781	\$280	\$160	\$160	\$620
Ambulance	1	\$1,081	\$1,081	\$0	\$616	\$296	\$15
Drug - preferred brand	3	\$237	\$710	\$217	\$105	\$45	\$710
ER services	1	\$5,220	\$5,220	\$75	\$1,044	\$1,044	\$75
Surgery	1	\$16,820	\$16,820	\$0	\$3,364	\$3,364	\$1,550
Hospitalization	1	\$5,406	\$5,406	\$300	\$1,081	\$1,081	\$250
Total Potential Member Costs			\$30,018	\$872	\$6,370	\$5,990	\$3,220
Total Potential Member Costs - Medical			\$29,308	\$655	\$6,265	\$5,945	\$2,510
Total Potential Member Costs - Drug			\$710	\$217	\$105	\$45	\$710
Maximum Out of Pocket - Combined				N/A	N/A	N/A	\$2,100
Maximum Out of Pocket - Medical				\$5,000	\$1,600	\$650	N/A
Maximum Out of Pocket - Drug				\$1,300	\$1,250	\$200	N/A
Total Paid by Member				\$872	\$1,705	\$695	\$2,100

Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

State of Vermont
Estimated Out of Pocket Costs - Mental Health Scenario
Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS
For illustrative purposes only

Scenario:

35 year old male with bipolar disease. Lithium maintenance meds. PCP visits twice per year for testing. Also sees psychiatrist 18 times per year.

Mental Health Services	# Units	Allowed Cost per Service	Allowed Costs	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
PCP visit	2	\$102	\$204	\$50	\$20	\$20	\$107
Drugs - maintenance (generic)	12	\$46	\$557	\$120	\$120	\$60	\$101
Lab tests	1	\$901	\$901	\$0	\$580	\$260	\$901
Psychiatrist visits	18	\$240	\$4,325	\$450	\$180	\$180	\$335

Total Potential Member Costs			\$5,987	\$620	\$900	\$520	\$1,445
Total Potential Member Costs - Medical			\$5,430	\$500	\$780	\$460	\$1,344
Total Potential Member Costs - Drug			\$557	\$120	\$120	\$60	\$101

Maximum Out of Pocket - Combined				N/A	N/A	N/A	\$2,100
Maximum Out of Pocket - Medical				\$5,000	\$1,600	\$650	N/A
Maximum Out of Pocket - Drug				\$1,300	\$1,250	\$200	N/A

Total Paid by Member				\$620	\$900	\$520	\$1,445
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Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

State of Vermont

Estimated Out of Pocket Costs - COPD Scenario

Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS

For illustrative purposes only

COPD Services	# Units	Allowed Cost per Service	Allowed Costs	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
PCP	2	\$108	\$216	\$50	\$20	\$20	\$113
Hospitalized twice	2	\$7,208	\$14,417	\$600	\$3,283	\$2,963	\$1,800
Drugs (generic)	12	\$23	\$278	\$120	\$120	\$60	\$96
Drugs (brand)	12	\$122	\$1,460	\$352	\$420	\$180	\$393
Home oxygen and equipment	1	\$3,364	\$3,364	\$0	\$673	\$673	\$917

Total Potential Member Costs	\$19,735	\$1,122	\$4,516	\$3,896	\$3,320
Total Potential Member Costs - Medical	\$17,997	\$650	\$3,976	\$3,656	\$2,830
Total Potential Member Costs - Drug	\$1,738	\$472	\$540	\$240	\$490

Maximum Out of Pocket - Combined	N/A	N/A	N/A	\$2,100
Maximum Out of Pocket - Medical	\$5,000	\$1,600	\$650	N/A
Maximum Out of Pocket - Drug	\$1,300	\$1,250	\$200	N/A

Total Paid by Member	\$1,122	\$2,140	\$850	\$2,100
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Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

State of Vermont

Estimated Out of Pocket Costs - Multiple Sclerosis Scenario

Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS

For illustrative purposes only

Multiple Sclerosis Services	# Units	Allowed Cost per Service	Allowed Costs	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
PCP visits	6	\$96	\$577	\$150	\$60	\$60	\$121
Neurologist	3	\$360	\$1,081	\$105	\$60	\$60	\$390
Rehab visits	24	\$60	\$1,442	\$600	\$673	\$368	\$405
Durable medical equipment	1	\$6,007	\$6,007	\$0	\$260	\$240	\$15
Drugs - Specialty	12	\$1,201	\$14,417	\$5,812	\$660	\$360	\$1,263
Total Potential Member Costs			\$23,524	\$6,667	\$1,713	\$1,089	\$2,195
Total Potential Member Costs - Medical			\$9,107	\$855	\$1,053	\$729	\$932
Total Potential Member Costs - Drug			\$14,417	\$5,812	\$660	\$360	\$1,263
Maximum Out of Pocket - Combined				N/A	N/A	N/A	\$2,100
Maximum Out of Pocket - Medical				\$5,000	\$1,600	\$650	N/A
Maximum Out of Pocket - Drug				\$1,300	\$1,250	\$200	N/A
Total Paid by Member				\$2,155	\$1,713	\$850	\$2,100

Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

State of Vermont
Estimated Out of Pocket Costs - Family of Four Scenario
Based on Plan Designs as of December 16, 2014

APPENDIX B-9. SCENARIOS
For illustrative purposes only

Scenario:

Family of four. One child with diabetes. Dad with cholesterol and high blood pressure meds. Mother to receive colonoscopy. Other child breaks arm in ski accident.

Family of Four Services	# Units	Allowed Cost per Service	Allowed Costs	Copay 93.5% (State Adj)	Deductible 87.0% (Catamount Adj)	Deductible Subsidy 93.5%	HDHP 80%
PCP visits	8	\$100	\$961	\$200	\$80	\$80	\$389
Drug - Diabetes (generic)	12	\$173	\$2,072	\$120	\$120	\$60	\$1,066
Drug - Cholesterol, BP (generic)	12	\$95	\$1,141	\$120	\$120	\$60	\$60
ER services	1	\$1,322	\$1,322	\$75	\$664	\$344	\$1,275
Colonoscopy (preventive)	1	\$5,166	\$5,166	\$0	\$0	\$0	\$0
Total Potential Family Costs			\$10,662	\$515	\$984	\$544	\$2,790
Total Potential Family Costs - Medical			\$7,449	\$275	\$744	\$424	\$1,664
Total Potential Family Costs - Drug			\$3,214	\$240	\$240	\$120	\$1,126
Maximum Out of Pocket - Combined				N/A	N/A	N/A	\$4,200
Maximum Out of Pocket - Medical				\$10,000	\$3,200	\$1,300	N/A
Maximum Out of Pocket - Drug				\$2,600	\$2,500	\$400	N/A
Total Paid by Family				\$515	\$984	\$544	\$2,790

Illustrative purposes only. Based on estimated provider payment rates and a set number, type and order of services.

Appendix B-10. GMC Secondary: Adding an Out of Pocket Limit to Medicare

Appendix B-10

Calculation of Medicare FFS AV at Various MOOP Levels

MOOP	Catamount Subsidy (93.5%) = \$650 (medical only)			Catamount (87%) = \$1,600 (medical only)			HDHP 80% = \$2,100 (includes Rx)	State 93.5% = \$5,000 (medical only)									
	\$250	\$500	\$1,000	\$1,250	\$1,800	\$2,100		\$2,400	\$2,500	\$3,000	\$3,600	\$4,000	\$4,800	\$5,100	\$5,750	\$6,600	\$6,750
Results with LDS Dual/Non Dual Mix																	
Allowed PMPM - 2012	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770	\$770
Allowed PMPM - 2017	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888	\$888
Implied Annual Trend	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%	2.9%
Cost Share PMPM	\$17	\$32	\$52	\$60	\$74	\$79	\$84	\$86	\$92	\$99	\$102	\$108	\$110	\$113	\$117	\$118	\$132
Impact of MOOP	\$115	\$101	\$80	\$72	\$59	\$53	\$48	\$47	\$40	\$34	\$30	\$24	\$22	\$19	\$15	\$15	\$0
Paid PMPM	\$870	\$856	\$835	\$828	\$814	\$808	\$803	\$802	\$795	\$789	\$785	\$779	\$778	\$774	\$771	\$770	\$755
Resulting AV w/MOOP	98.0%	96.4%	94.1%	93.2%	91.7%	91.1%	90.5%	90.3%	89.6%	88.9%	88.5%	87.8%	87.6%	87.2%	86.8%	86.8%	85.1%
Medicare FFS AV (no MOOP)	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%	85.1%

For discussion and illustrative purposes only. Uses Medicare limited data set to estimate the impact of various maximum out of pocket levels on the Medicare FFS population. Parts A and B only.