Social Determinants of Health:

Opportunities and Challenges

MA Annual Cost Trends Hearing

Oct 18, 2016

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Goals for Today

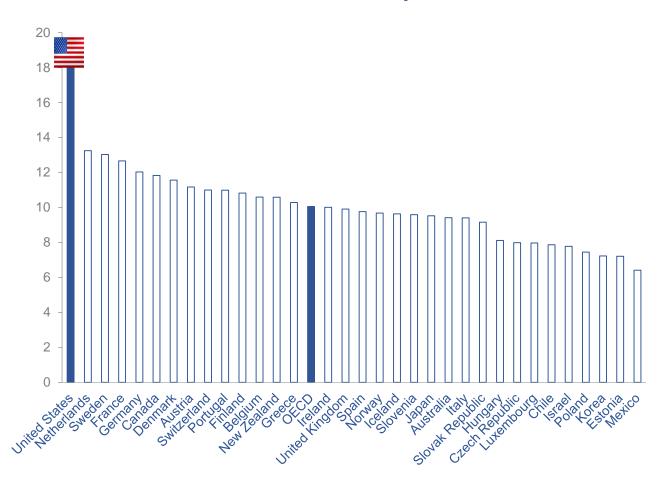
<u>Overall</u>

"The annual health care cost trends hearing is a public examination into the drivers of health care costs as well as the engagement of experts and witnesses to identify particular challenges and opportunities within the Commonwealth's health care system."

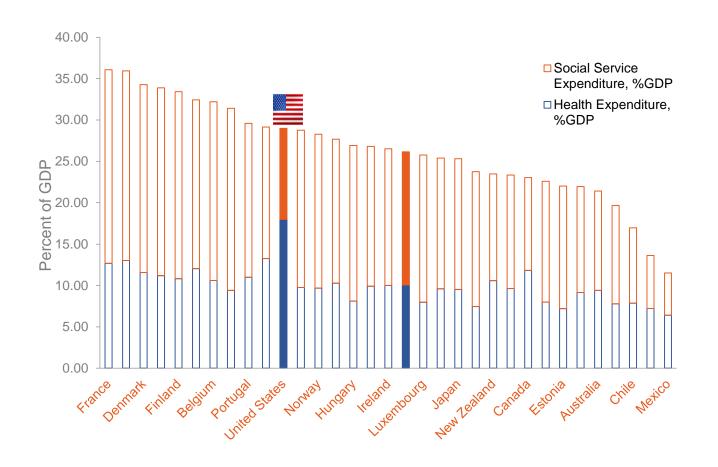
This 40min

- 1. A Driver Unmet Social Need
- 2. An Opportunity Social Service Investment
- 3. Two Challenges Governance and Contracting

Health Expenditures as a % of GDP, 2009*



Total Expenditures as a %GDP



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Original research

Health and social services expenditures: associations with health outcomes

Elizabeth H Bradley, 1 Benjamin R Elkins, 1 Jeph Herrin, 2 Brian Elber

¹Yale School of Public Health, Division of Health Policy and Administration,

Objective: To examine variations in health service expenditures and social services expenditures across Organisation for Economic Co-operation and Development (DECD) countries and assess their association with five population-level health outcomes. Review A needed, consequentional analysis using data from the 2009 release of the OECD Health Data 2009

Statistics and Indicators and OECD Social Expenditure Setting: OECD countries (n=30) from 1995 to 2005. Main outcomes: Life expectancy at birth, infant mortality, low birth weight, maternal mortality and potential years of life lost.

sults: Health services expenditures adjusted for gross domestic product (GDP) per capita were significantly associated with better health outcomes in only two of five health indicators; social services expenditures adjusted for GDP were significantly associated with better health outcomes in three of five indicators. The ratio of social expenditures to health expenditures was significantly associated with better outcomes in infant mortality, life expectancy and increased potential life years lost, after adjusting for the level of health expenditures and GDP.

policy may be helpful in accomplishing improvements in health envisioned by advocates of healthcare reform.

Many countries are increasingly confronting Co-operation and Development (OECD) best to direct limited resources to promote countries in healthcare spending as population health outcomes. a percentage of gross domestic product (GDP) while remaining among the lowest in key health indicators. 1-3 As an illustration, in 2005 the USA spent 16% of GDP on health- Study design and sample care compared with an average of 9% spent. We conducted a pooled, cross-sectional by other OECD countries, and in 2006, the analysis of OECD countries (n=30 countries)

infant mortality and 24th in maternal mortality among the 30 OECD countries.4

Previous efforts to understand the paradox of higher health care spending without necessarily better health outcomes have implicated over-reliance on private financing.⁵ disparities in quality of care, 7 8 high medical prices and too few primary care providers.3 What has been less examined is the role of spending on social services, which may be productive for health. Social spending includes such investments as income supplements, housing, unemployment coverage and other social policy targets. Although health professionals have long recognised the importance of socio-economic, environmental and behavioural determinants of health, healthcare reforms have focused largely on spending for health services, with less attention focused on spending in potentially important social policy areas.

Accordingly, we sought to examine the associations between social expenditures and health expenditures, and a set of common health outcomes across the OECD countries. As a measure of relative investment, we also examined the ratio of social expenditures to health expenditures and its association with life expectancy, infant mortality, low birth weight, maternal mortality and potential life years lost using the OECD Health Data 2009 issues of rising healthcare costs with limited Statistics and Indicators and the OECD Social improvement in health outcomes. The issue Expenditure database. 4 14 Findings from our is particularly acute in the USA, which ranks analysis can contribute to the current debate highest among Organisation for Economic in the USA and other countries about how

USA ranked 25th in life expectancy, 29th in using data from the 2009 release of the

BMJ Gual Sal 2011;20:826-831, doi:10.1136/bmics.2010.048363

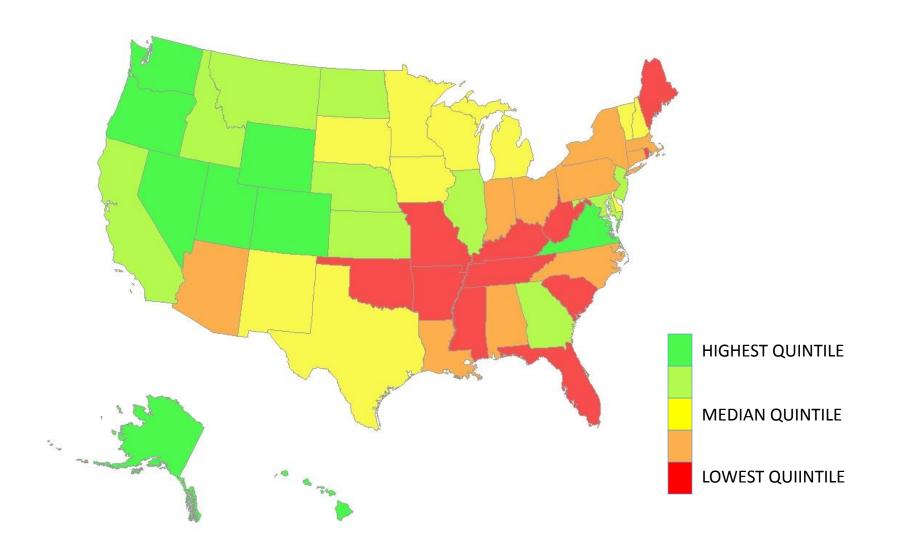
METHOD: Multivariable regression using OECD pooled data from 1995-2007 on 29 countries and 5 health outcomes.

FINDING: The ratio of social to health spending was significantly associated with better health outcomes: less infant, mortality, less premature death, longer life, expectancy and fewer low birth weight babies.

NOTE: This remained true even when the US was excluded from the analysis.

826

Ratio of social-to-health care spending*



^{*}Medicare and Medicaid spending; Data from Bradley et al, Health Affairs, May 2016. 6

OPULATION HEALTH

DOI: 10.1377/14 de/0.205-0014 HEALTH AFFARS 35. NO. 5 (2016) 760-768 ©2016 Project HDRF— The Regule-to-People Health

By Elizabeth H. Bradley, Maureen Canavan, Erika Rogan, Kristina Talbert-Slagle, Chima Ndumele, Lauren Taylor, and Leslie A. Curry

Variation In Health Outcomes: The Role Of Spending On Social Services, Public Health, And Health Care, 2000-09

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ABSTRACT Although spending rates on health care and social services vary substantially across the states, little is known about the possible association between variation in state-level health outcomes and the allocation of state spending between health care and social services. To estimate that association, we used state-level repeated measures multivariable modeling for the period 2000-09, with region and time fixed effects adjusted for total spending and state demographic and economic characteristics and with one- and two-year lags. We found that states with a higher ratio of social to health spending (calculated as the sum of social service spending and public health spending divided by the sum of Medicare spending and Medicaid spending) had significantly better subsequent health outcomes for the following seven measures: adult obesity; asthma; mentally unhealthy days; days with activity limitations; and mortality rates for lung cancer, acute myocardial infarction, and type 2 diabetes. Our study suggests that broadening the debate beyond what should be spent on health care to include what should be invested in health-not only in health care but also in social services and public health-is warranted.

he high cost of health care remains The potential for so cials ervices to be crowded tion,1 and in many states Medicaid inflation- and populations. Extensive evidence demonadjusted spending has had a compound annual strates a clear relationship between a variety of growth rate of more than 5 percent since 2000.2 social determinants and health outcomes.34 Such increased spending may reflect greater in- Poor environmental conditions, low incomes, surance coverage and access to health case for and inadequate education have consistently the population. Nevertheless, greater invest- been associated with poorer health in a diverse ments in health care without equivalent econom- set of populations. Taken together, social, beic and tax revenue growth may result in fewer havioral, and environmental factors are estimatresources for state-funded social services, such ed to contribute to more than 70 percent of some as housing, nutrition, and income support types of cancer cases, 80 percent of cases of heart programs-which themselves may influence disease, and 90 percent of cases of stroke.74 health outcomes in states.

a pressing concern for state policy out to some degree by rising health care costs is makers and taxpayers. During the of particular concern given health policy makers' period 1999-2009, health care growing interest in the role of social determicosts increased faster than infla- nants in influencing the health of individuals

Furthermore, several studies have aimed to

METHOD: Multivariable regression using state-level repeated measures data from 2000-2009 with regional and time fixed effects.

FINDING: The lagged ratio of social to health spending was significantly associated with better health outcomes: adults who were obese; had asthma; reported fourteen or more mentally unhealthy days or fourteen or more days of activity limitations in the past thirty days; and had lower mortality rates for lung cancer, acute myocardial infarction, and type 2 diabetes.

Which social services produce better health and save dollars?

LEVERAGING THE SOCIAL DETERMINANTS OF HEALTH: WHAT WORKS?

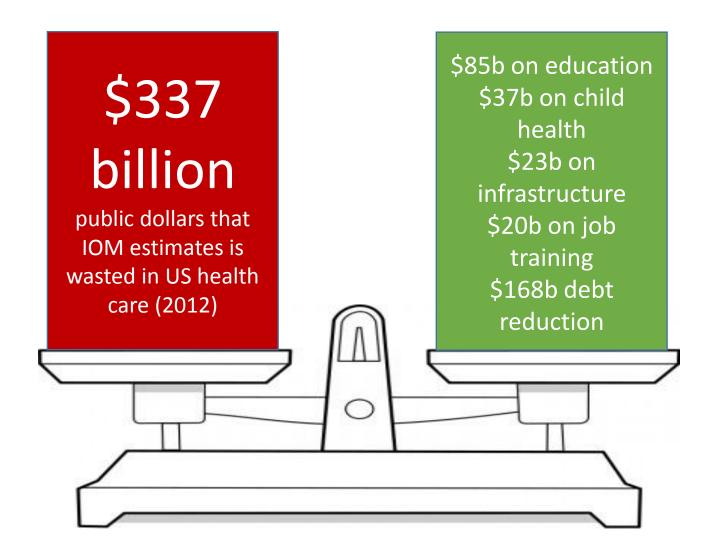
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prepared for the Blue Cross Blue Shield of Massachusetts Foundation by Lauren A. Taylor, Caitlin E. Coyle, Chima Ndumele, Erika Rogan, Maureen Canavan, Leslie Curry, and Elizabeth H. Bradley

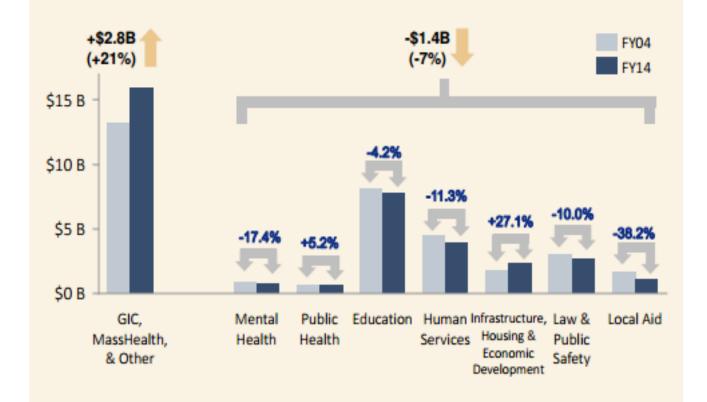
Yale Global Health Leadership Institute

National Tradeoffs



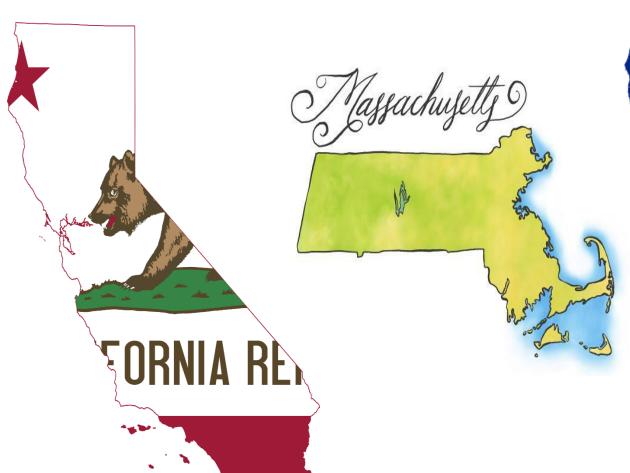
Some Evidence of Crowd Out





Note: Figures all adjusted for Gross Domestic Product (GDP) growth; GIC = Group Insurance Commission Source: Massachusetts Budget and Policy Center

Innovative Medicaid Redesigns







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U.S. | 6 Portland Health Providers Give \$21.5M for Homeless Housing

U.S.

6 Portland Health Providers Give \$21.5M for Homeless Housing

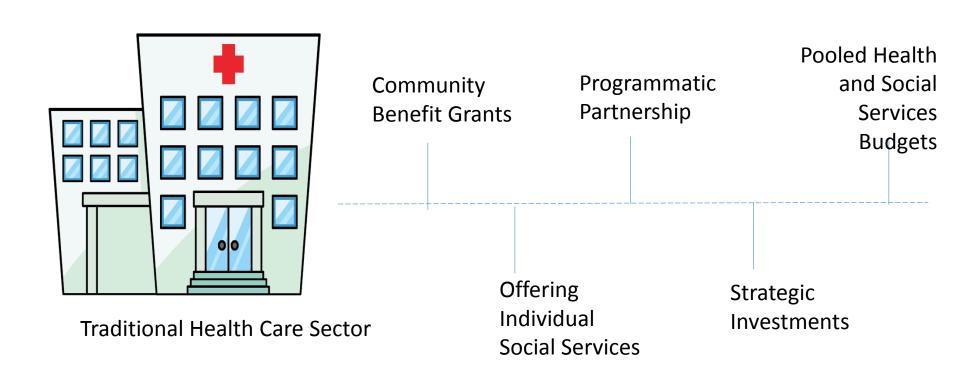
By THE ASSOCIATED PRESS SEPT. 23, 2016, 4:21 P.M. E.D.T.

PORTLAND, Ore. — Five major hospitals in Portland, Oregon, and a nonprofit health care plan said Friday they will donate a combined \$21.5 million toward the construction of nearly 400 housing units for the city's burgeoning homeless and low-income population — a move hailed by national housing advocates as the largest private investment of its kind in the nation.

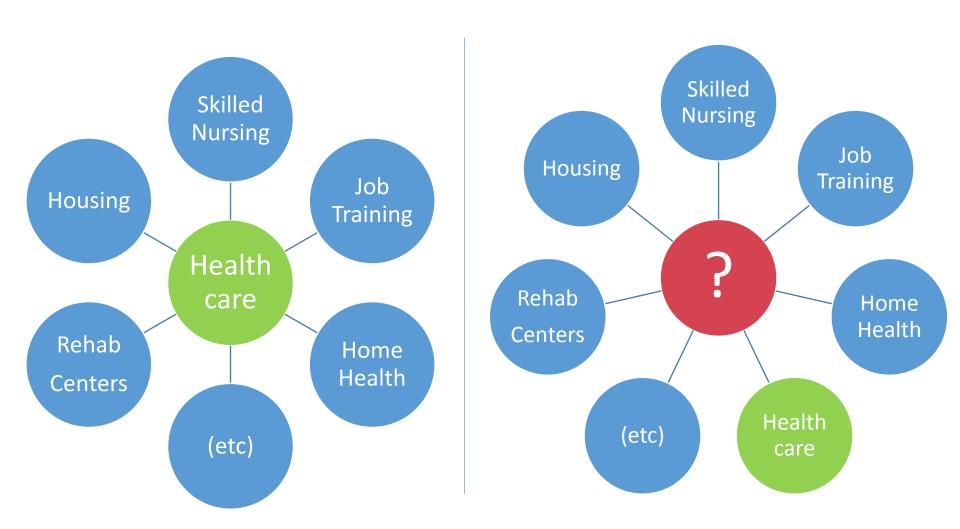
The money from the private health care providers will be part of a larger \$69 million capital construction plan that comes as the booming Pacific Northwest city struggles with a seemingly intractable homeless problem that has become more visible in the past few years and poses a political quagmire for local leaders.

Earlier this month, hundreds of people were evicted from an informal tent camp on a nature trail on the city's east side, and the city has fielded thousands of complaints on a hotline for residents as leaders debate.

Evidence Exists for Various Integration Models



Key Governance Question



Health + Social Contracting Challenges

How to provide social services – make in-house or buy from community?

How to vet potential partner organizations?

How to share information with partner organizations?

Look forward to learning from you.