

Swiss Public Health Conference 2012, Lausanne

Health Care Systems in Switzerland: Can We Learn From Each Other?

Monika Diebold, Paul Camenzind, Swiss Health Observatory, Neuchâtel
August 31, 2012



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra
Swiss Confederation

Federal Department of Home Affairs FDHA



GGK Schweizerische Konferenz der kantonalen Gesundheitsdirektoren und -deputierten
CDS Conférence suisse des directeurs et députés cantonaux de la santé
CDS Conferenza svizzera delle direttrici e dei direttori cantonali della sanità

Today's Questions



Systems

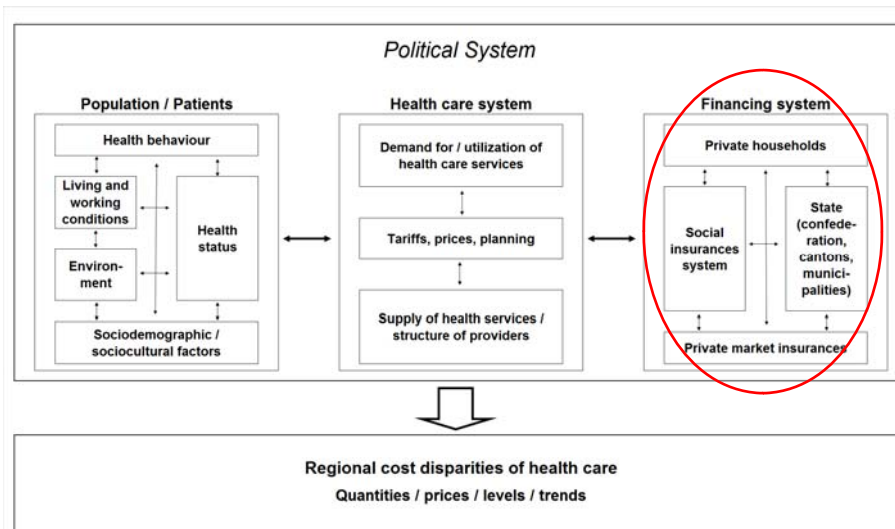
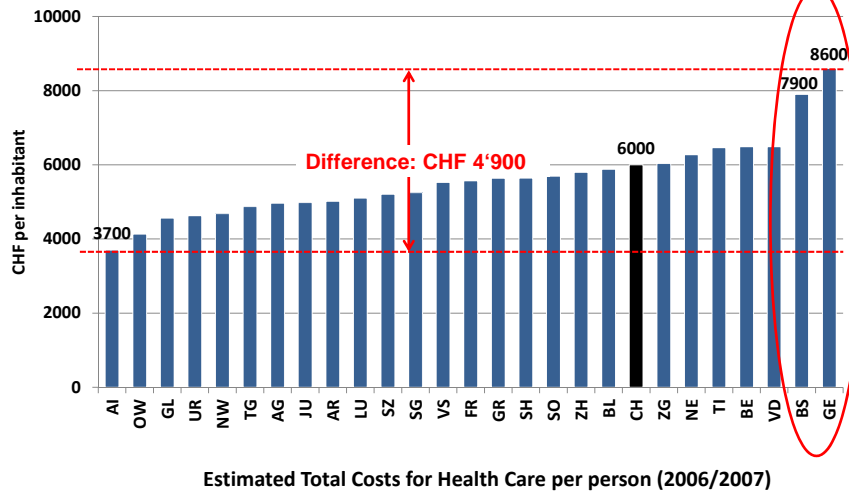


Costs

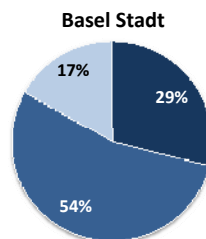
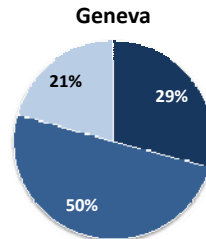
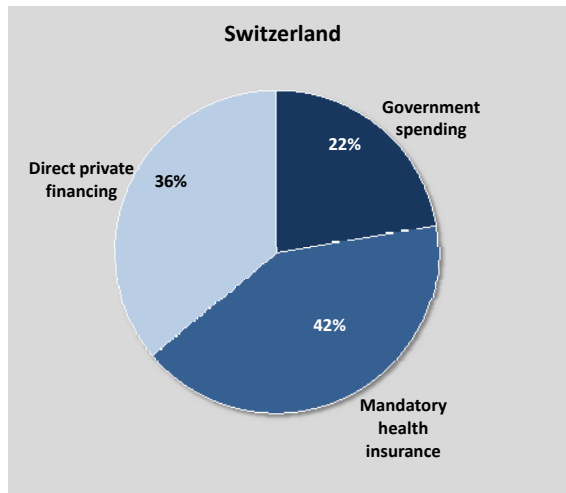


Outcomes

Health Care Costs per Canton



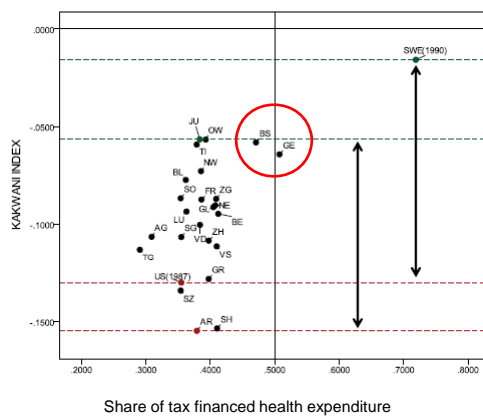
Differences in Financing Schemes



M. Diebold, Swiss Public Health Conference 2012

Sources: SFSO, Datenpool santésuisse, Stadelmann (2011), own calculations
5

Financing Equity

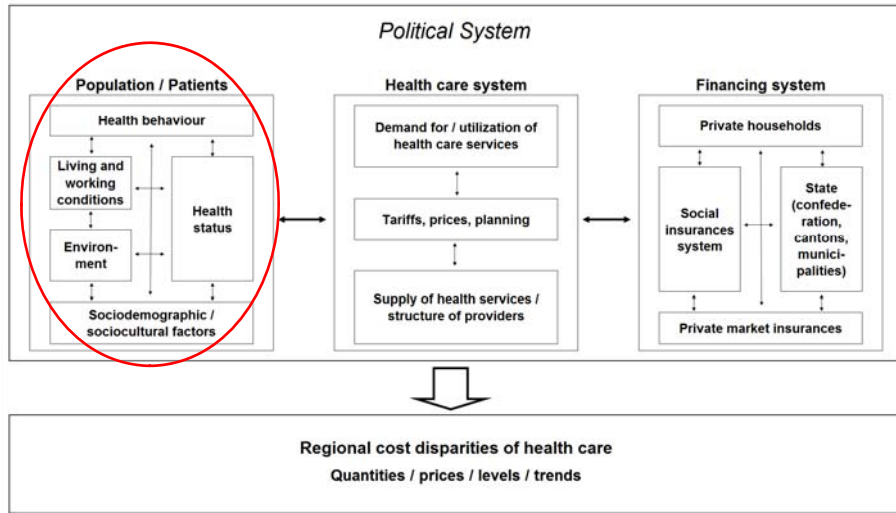


Kakwani-Index: measures inequality
 zero: equal distribution
 positive: progressive distribution
 negative: regressive distribution

← Sweden
 ← Switzerland
 ← United States

M. Diebold, Swiss Public Health Conference 2012

Source: Crivelli & Salari (2012)
6

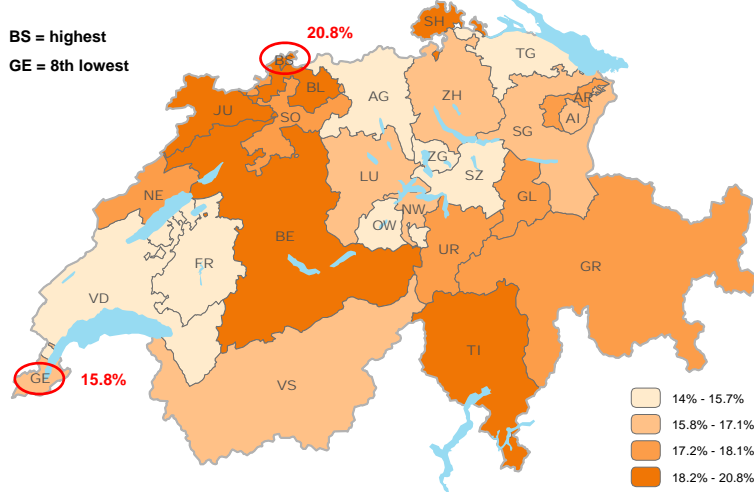


Population

Share of population aged 65+, 2010

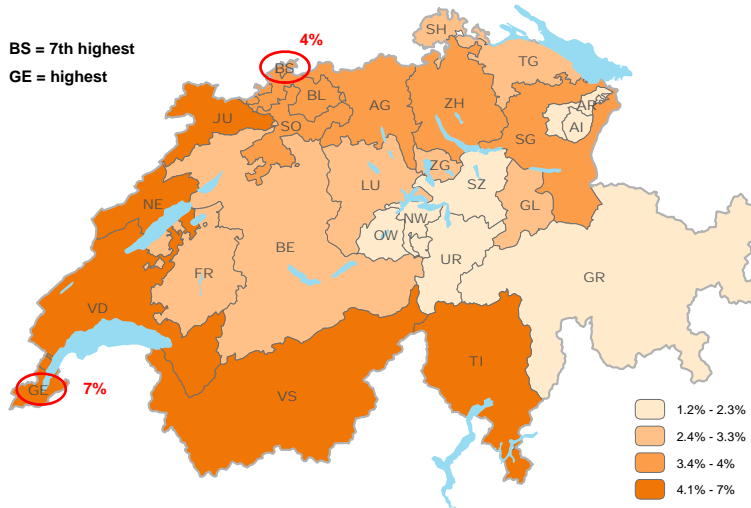
BS = highest

GE = 8th lowest



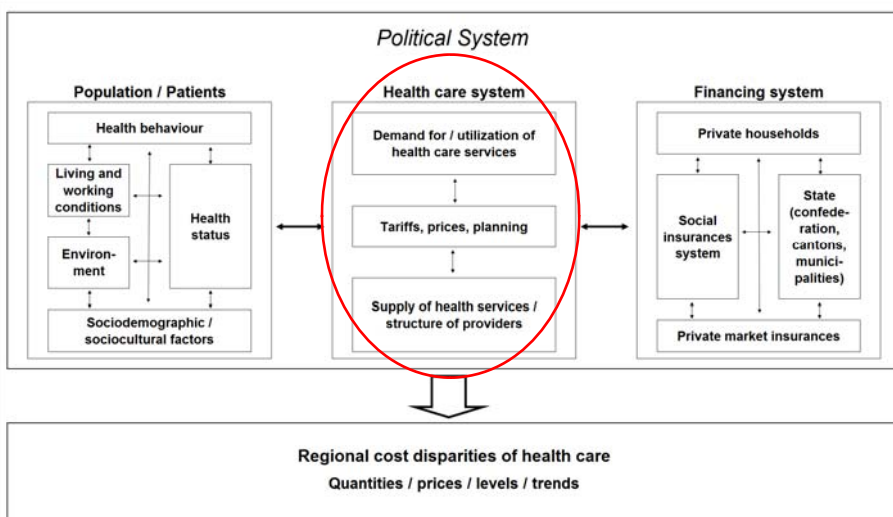
Unemployment rate 2010

BS = 7th highest
 GE = highest



M. Diebold, Swiss Public Health Conference 2012

Source: SECO
 9

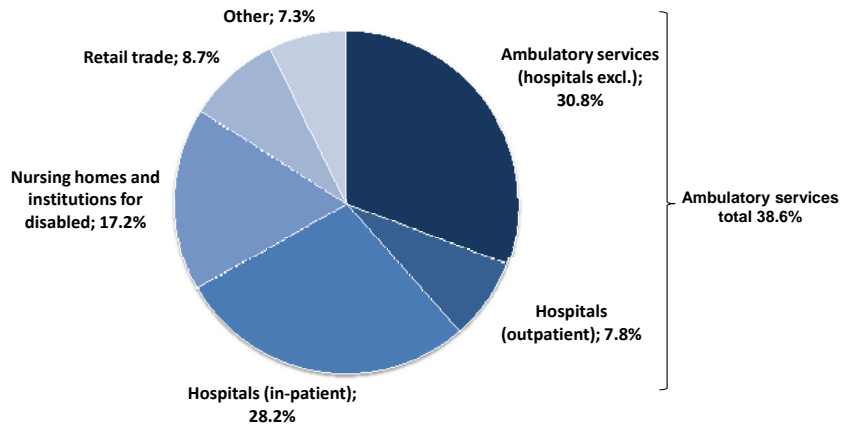


M. Diebold, Swiss Public Health Conference 2012

Source: Carmanzini (2008)
 10

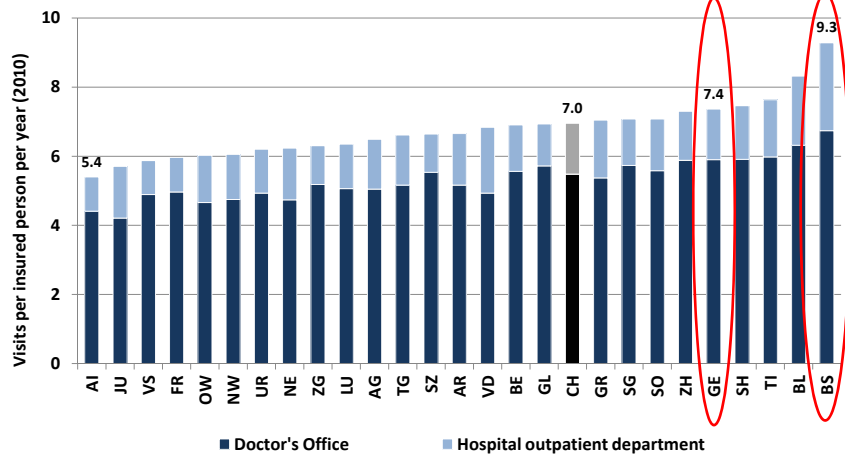
Overview Costs Switzerland 2010

Total: 62.5 Billion CHF



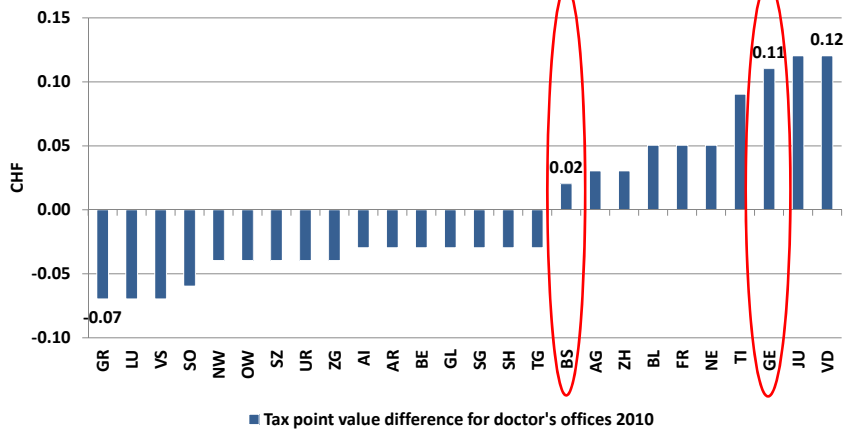
Source: SFSO, Health Care Costs and Financing

Ambulatory care: Utilization



Source: Datenpool santésuisse

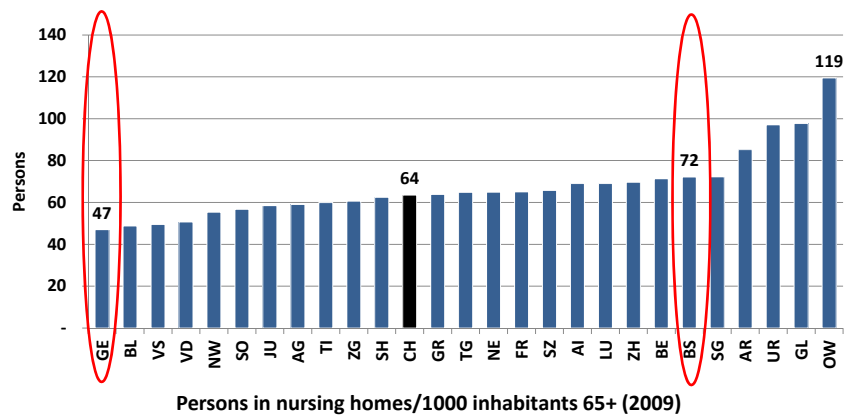
Ambulatory Care: Tarmed* Tax Points



* Tarmed: tariff system for ambulatory care. 0 = unweighted mean of cantonal values: 0.87 CHF

Source: Tarifauisse

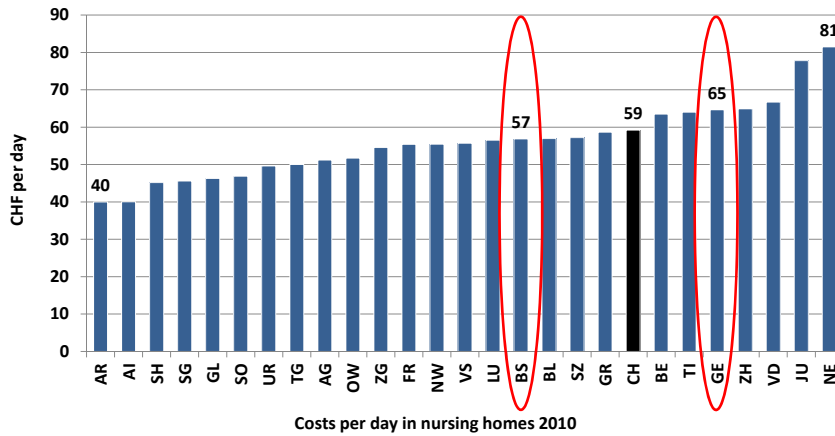
Nursing homes: Utilization



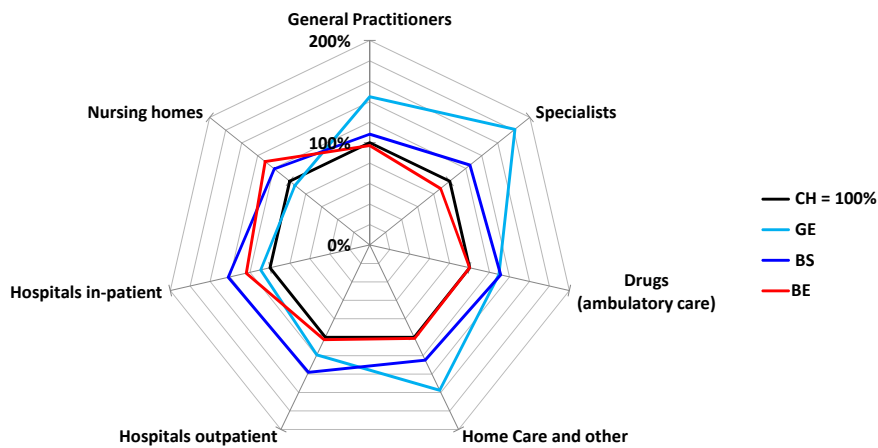
M. Diebold, Swiss Public Health Conference 2012

Source: SFSO

Nursing homes: Costs



Index of Health Care Costs per Inhabitant 2010



Influencing Factors on Utilization of Health Services

	Service Entities per head (visits / hospital days / drugs)					
	General practioners: basic services	Specialist doctors: basic services	Hospitals: inpatient hospital days	Hospitals: outpatient consultations	Drugs: outpatient costs	Nursing homes: days of stay
Density of general practioners	+++			---	+++	++
Density of specialist doctors	+++	+++			++	---
Density of hospital beds	--					++
Share of hospital outpatient costs	++			+++		---
Population 65+ /85+ (nursing homes)			+++	+++		+++
Population density	+++	++	++		--	
Unemployment rate	---	---	+++	---	+++	++
Average cantonal income	+++					++
Share of higher deductibles	+++	+++		++	---	+++
Alternative MHI-plans	--				---	
Share of latin-speaking population	omitted	omitted		omitted	omitted	---
Trend		---	---		+++	+++

+++ sign. positive effect; --- sign. negative effect

M. Diebold, Swiss Public Health Conference 2012

Source: Camenzind (2012); <http://www.biomedcentral.com/1472-6963/12/62/abstract>

17

Today's Questions



Systems



Costs

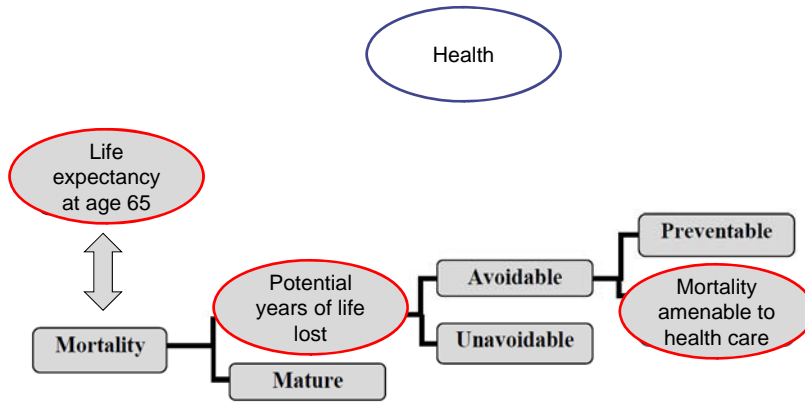


Outcomes

M. Diebold, Swiss Public Health Conference 2012

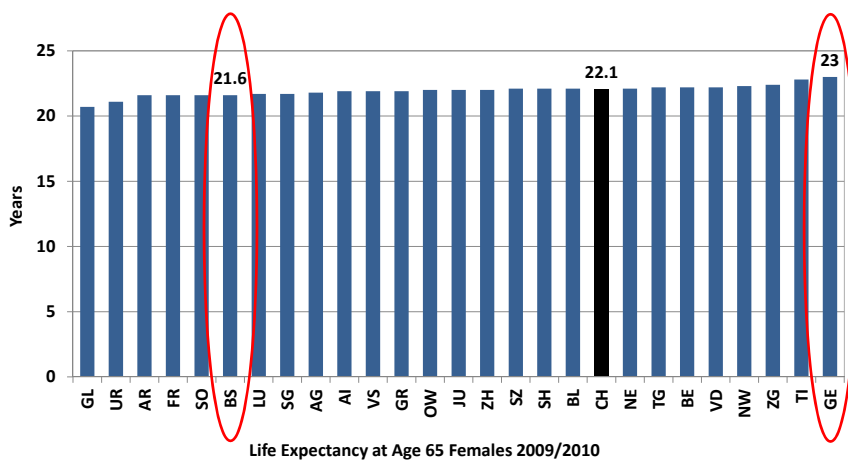
18

Indicators

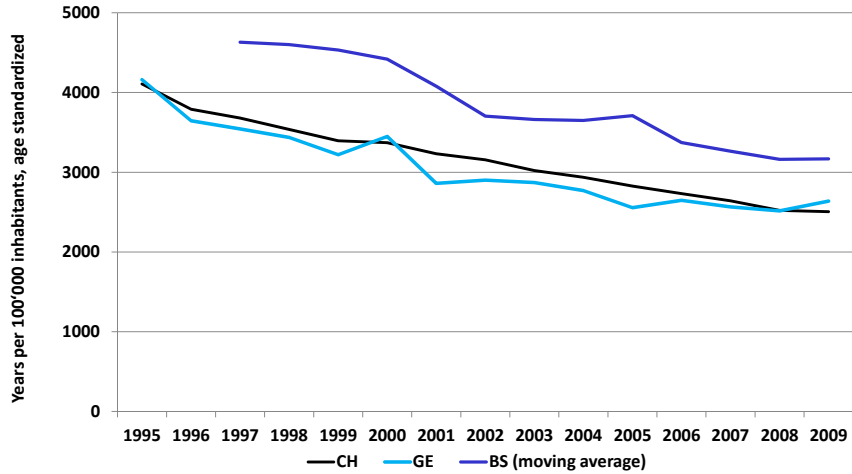


Source: Tobias (2009), in: Gay, J. G. et al. (2011), "Mortality Amenable to Health Care in 31 OECD Countries: Estimates and Methodological Issues", *OECD Health Working Papers*, No. 55, OECD Publishing. <http://dx.doi.org/10.1787/5kqj35f9f8s2-en>, adapted

Life Expectancy at Age 65

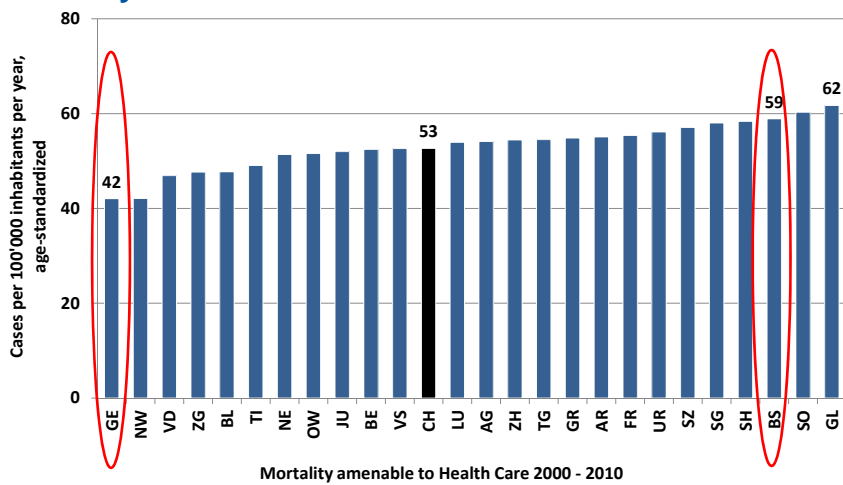


Potential Years of Life Lost 1995 - 2009



Sources: SFSO Population statistics

Mortality Amenable to Health Care



Source: SFSO, Causes of Death Statistics, calculated according to Nolte 2008

In Geneva and Basel costs of a similar magnitude do not necessarily lead to similar outcomes

But there may be an effect of healthcare spending on avoidable mortality:

Heijink R., Koolman X, Westert G. Eur Journal of Health Economy (2012):

Spending more money, saving more lives? The relationship between avoidable mortality and healthcare spending in 14 countries

« After controlling for time trend and other confounders, a significant relationship between healthcare spending and avoidable mortality remained. »

« We tentatively conclude that macro-level healthcare spending increases provided value for money, at least for the disease groups, countries and years included in this study. »



Systems



Costs



Outcomes



Schweizerisches Gesundheitsobservatorium
Observatoire suisse de la santé
Osservatorio svizzero della salute
Swiss Health Observatory



Thank You!