



VALUE-BASED HEALTH CARE:

Create value by measuring patient-perceived outcomes

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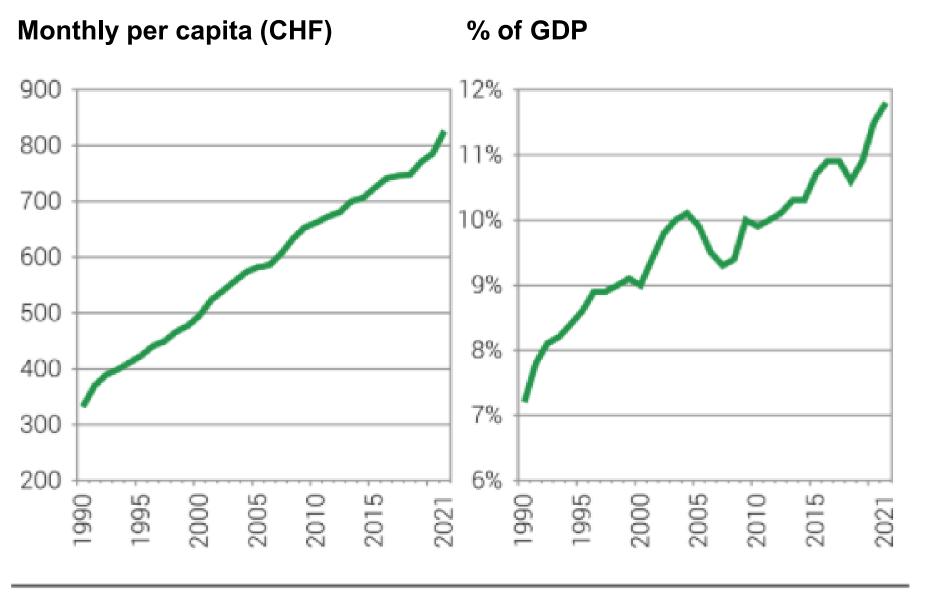
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The crisis of health care

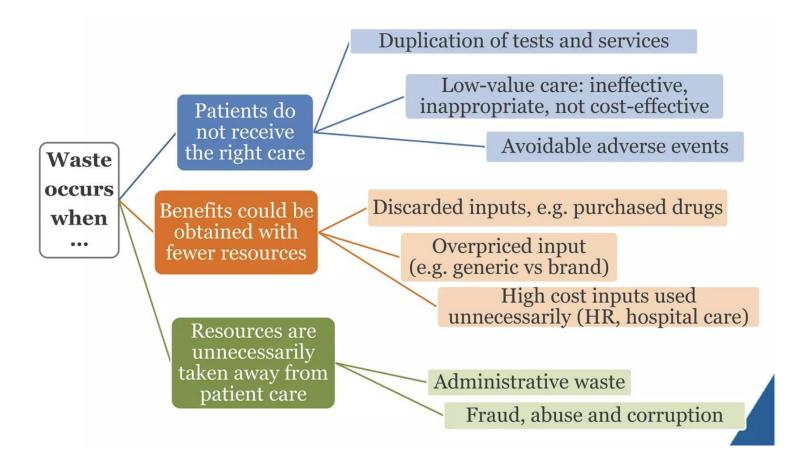
Health care spending trends in Switzerland



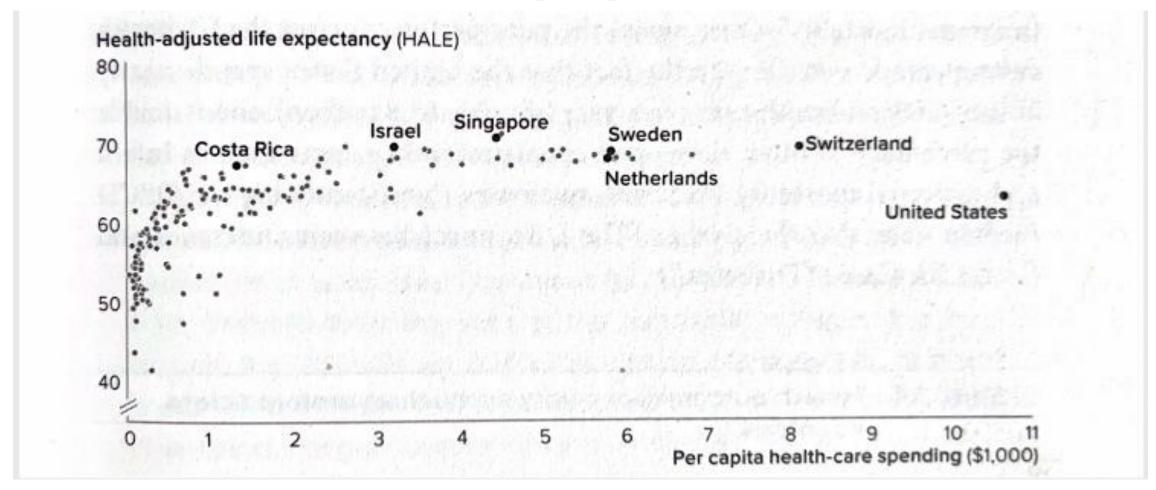


20-30% of waste on low-value & inappropriate care

OECD 2017



Health care spending and returns on population health

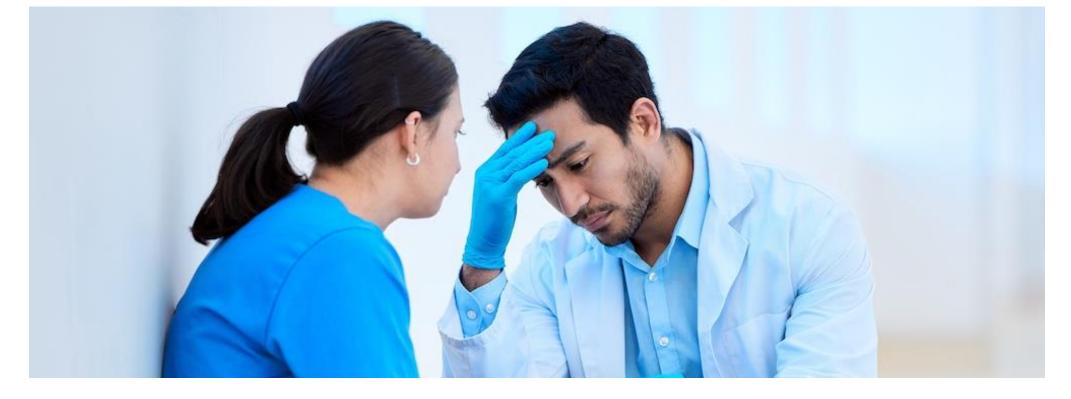


Variability of outcomes

Differences in hospital outcomes^[7-16]

Country	Variation		
	2x	in one-year survival rates for lung-cancer treatment in England* [7]	
	3x	in complications after colon cancer surgery in the Netherlands* [8]	
	5x	in reoperations due to complications after knee replacement in Germany* [9]	
-	6х	in reoperations within two years after total hip replacement in Sweden [10]	
-	7x	in percentage of complications after colon cancer surgery in Sweden [11]	
	7x	in mortality rate after rectal cancer surgery in Belgium* [12]	
	8x	in reoperations following coronary artery bypass grafts in the UK [13]	
	11x	in severe incontinence after radical prostatectomy in Germany [14]	
	15x	in 30-day mortality rates after emergency hospital admissions for COPD in England [15]	
-	31x	in capsule complications after cataract surgery in Sweden ^[16]	
			*Risk-adjusted

Source: EIT Health, Implementing Value-Based Health Care in Europe: Handbook for Pioneers (Director: Gregory Katz), 2020.



"Health care professionals are not the problem.

It's <u>not</u> a problem of resilience.
It is a moral injury: a disconnect between the burden vs purpose of their work"

Pr K Bozic, Dell Med School, Harvard Business School

What really matters?



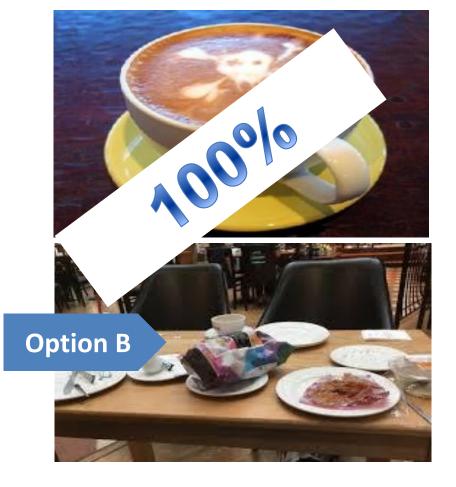
« A health system consists of all organizations, people and actions whose primary intent is to promote, restore or maintain health.»

«Health is a state of complete physical, mental and social well-being...»



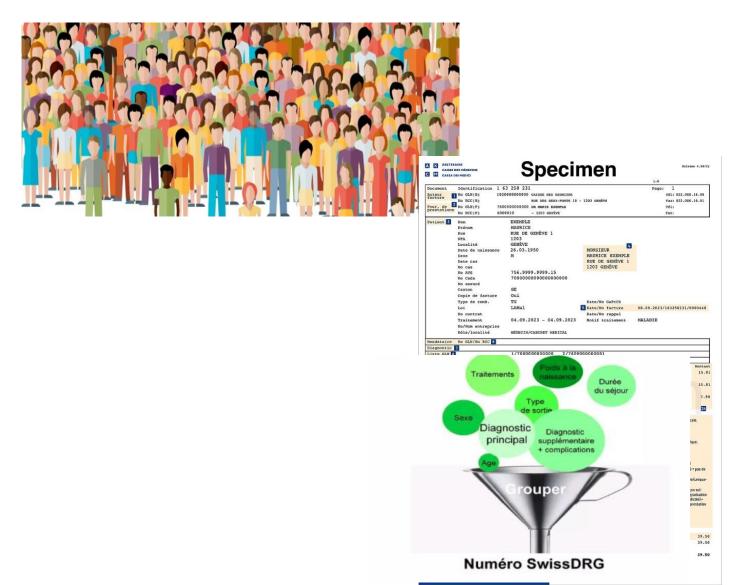








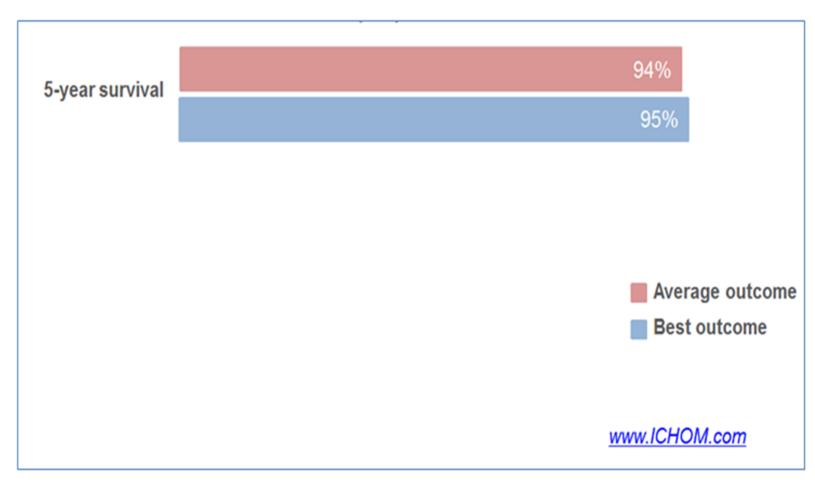
What are we measuring?





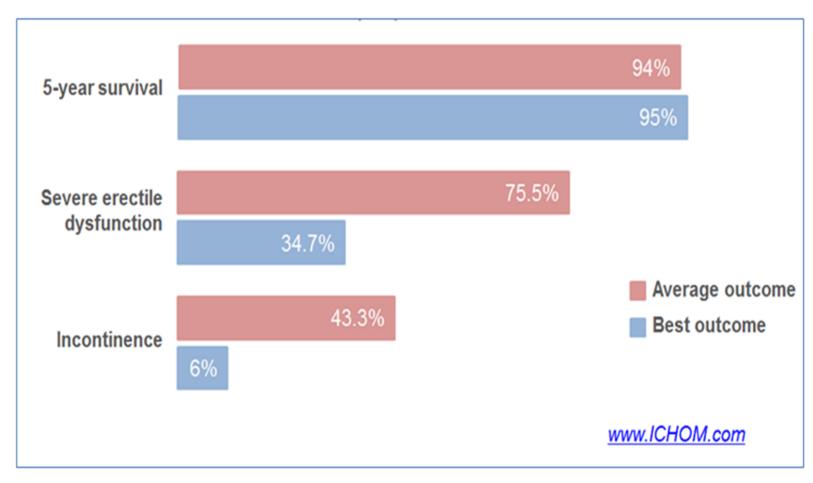


Mesurer les résultats qui comptent pour les patients



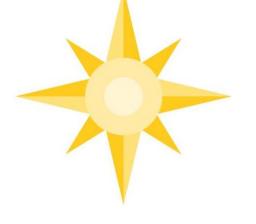
Differences in quality of care for prostate cancer become apparent only when patient-reported outcomes such as incontinence or sexual function are examined.

Mesurer les résultats qui comptent pour les patients



Differences in quality of care for prostate cancer become apparent only when patient-reported outcomes such as incontinence or sexual function are examined.

The shift that changes everything



VALUE in Health = Outcomes that matter
Total costs

Organisation

Measures

Funding

M Porter, E Teisberg. HBS 2006

MEASURES

What matters to patients?

Adapted from Porter ME. What is value in health care? N Eng J Med 2010; 363:247

Priority level

Level 1 Health status achieved or retained

Level 2 Process of recovery

Level 3Sustainability of health

Examples of Measures

Mortality rate
Functional level achieved
Pain achieved
Extent to return to physical
activities

•••

Time to begin treatment
Delays
Time to return to physical activity
Pain during treatment
LOW VALUE CARE

...

Maintaining functional level
Ability to live independently
Risk of reccurence
Long term consequences of
treatment

....

How to measure it?

CROMs

Clinician Reported
Outcomes measures

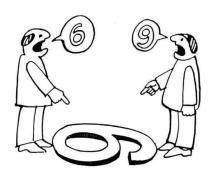
PROMs

Patient Reported outcomes measures

PROMs and CROMs create a synergistic approach to measuring success in health care

Clinician Reported Outcomes Measures (CROMs)

- ✓ Respiratory rate
- ✓ Body Mass Index
- ✓ Visual acuity
- ✓ Blood glucose under control



Patient Reported Outcomes Measures (PROMs)

- « I cannot climb my stairs »
- « I can tie my shoes »
- « I can read my newspaper»
- « I am obssessed with my diet»





Nom :		Date :		
			21-May-2025	

Quel est l'état de votre BPCO ? Répondez au questionnaire CAT (COPD Assessment Test™) pour évaluer votre BPCO.

Ce questionnaire vous aidera, ainsi que votre médecin, à mesurer l'impact de la BPCO sur votre bien-être et votre vie au quotidien. Vous pourrez, ainsi que votre médecin, utiliser les réponses et scores du questionnaire pour mieux prendre soin de votre BPCO et obtenir le meilleur bénéfice de votre traitement.

Si vous souhaitez remplir le questionnaire à la main sur papier, veuillez cliquer ici, puis imprimer le questionnaire.

Pour chaque élément ci-dessous, veuillez indiquer d'un X la case qui correspond le mieux à votre état actuel. Prenez soin de ne sélectionner qu'une seule réponse par question.

Exemple : Je suis très heureux (heureuse)



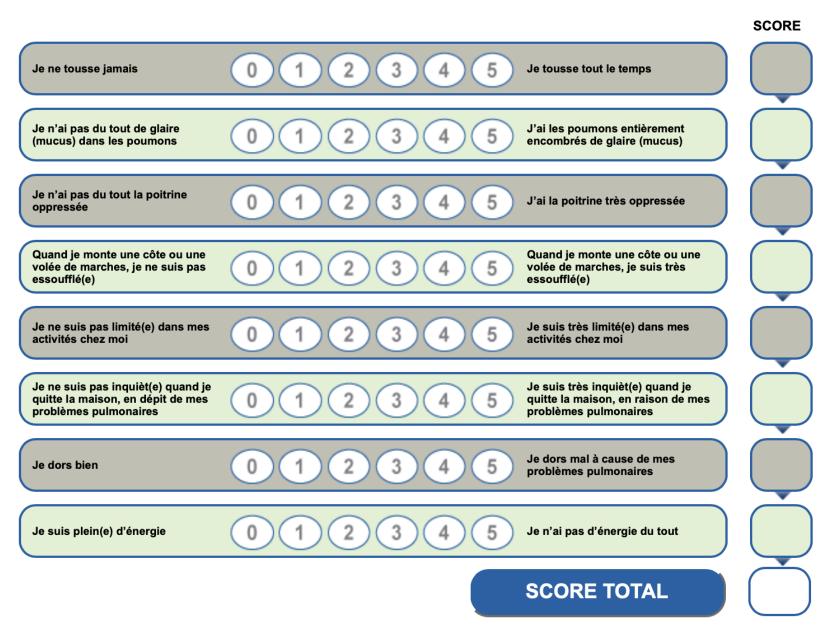






5)

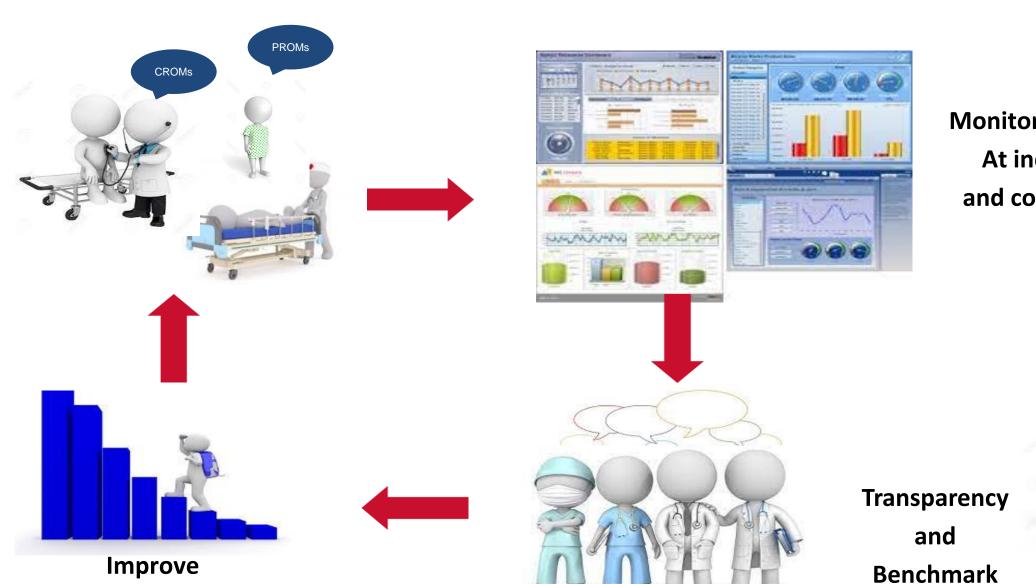
Je suis très triste





Imprimez votre questionnaire CAT avant de consulter votre médecin

Value-based health care implemented at provider level

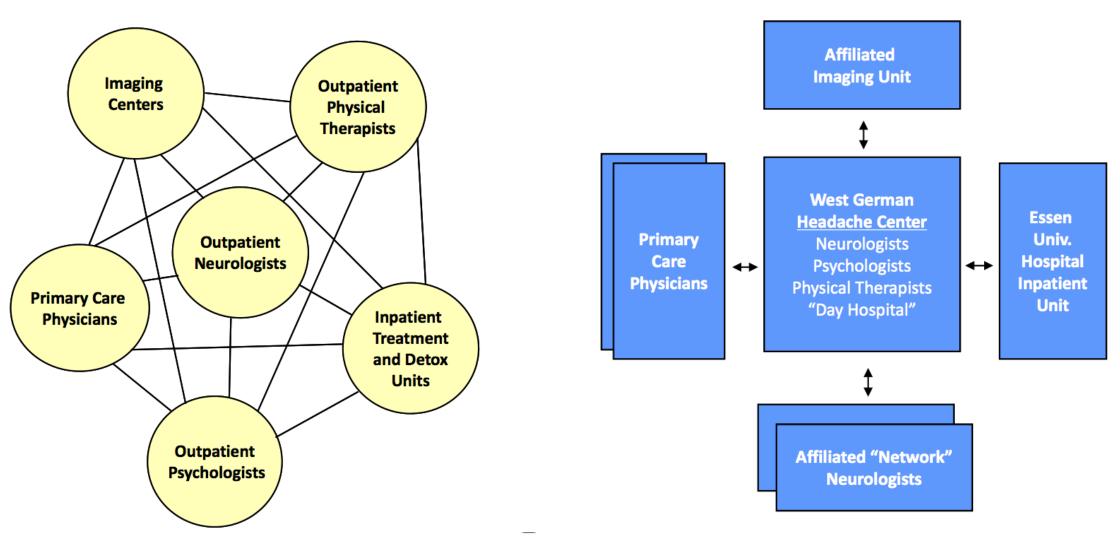


Monitor outcomes
At individual
and cohort level



Organisation

Migraine care in Germany



Integrated Practice Unit

Porter, Michael E., and Thomas H. Lee. "Integrated Practice Units: A Playbook for Health Care Leaders." NEJM Catalyst Innovations in Care Delivery, vol. 2, no. 1, 2021,

- Organized around a medical condition or other group of people with shared needs
- A dedicated, multidisciplinary team
- Takes responsibility for the entire care cycle
- Includes nonclinical support
- Integrated patient education, engagement, and follow-up
- Shared scheduling and management structure
- Colocated (physically or virtually) to support collaboration
- Team leader or care coordinator oversees each patient's journey
- Measures outcomes, processes, and costs for each patient
- Regular team meetings to review data and improve care
- Accepts joint accountability for results and value delivered

Funding

From volume to value

Traditional Model:

- Fee-for-Service
- → Providers are paid for each test, visit, or procedure
- → Focus: quantity of care

VBHC Model:

- **©** Value-Based Payment
- → Providers are paid for *outcomes achieved*
- → Focus: results that matter to patients

Goal:

- Align incentives with **better outcomes**, not more activity.

Does it work?

Piedmont Healthcare Standardizing Pneumonia Care

Challenge

Wide variations in pneumonia treatment led to inconsistent outcomes and avoidable mortality.

Solution

Created an inter-professional clinical committee to implement standardized, evidence-based care pathways supported by advanced analytics

Results

- ▼ **56.5% reduction in mortality** among adult pneumonia patients
- • Ø 9.3% decrease in length of stay, saving \$220,000 in one year

Singapore's National University Hospital Whole-of-Hospital Value-Based Approach to Sepsis

Challenge

Sepsis was a leading cause of death and unplanned readmissions, with high variability in care and escalating hospital costs.

Objective: Improve outcomes & reduce hospitalization for community-acquired sepsis

Intervention:

- Early Warning System
- Sepsis bundle Compliance
- Multidisciplinary Care Pathways
- Real-time data dashboards

Results (2016-2020)

- mortality 11-13% vs 18.3% international benchmark
- 18% decrease in length of stay,
- Perfect care rate (Clinical quality index): improved from 25% to 32% of patients receiving all seven key process of care measures

Value-Based Emergency Care: The Care One Clinic

Borde, D., Agana-Norman, D., Leverence, R. et al. Outcomes of an integrated practice unit for vulnerable emergency department patients. BMC Health Serv Res 23, 1449 (2023). https://doi.org/10.1186/s12913-023-10067-9

The Problem

Frequent ED users, often uninsured or publicly insured, faced fragmented care, leading to avoidable hospitalizations, high costs, and poor outcomes.

Objective: Improve outcomes and reduce costs for high-risk ED patients

Intervention

Creation of an Integrated Practice Unit (IPU) for vulnerable ED patients, offering:

- Primary and specialty care
- Behavioral health services
- Social work and care coordination,
- Navigation support for housing, insurance, and substance use

Value-Based Emergency Care: The Care One Clinic

Results

- **▼ 25% reduction in hospitalizations** (p < 0.001)
- 26% lower hospitalization costs per patient (p = 0.002)
- **23**% fewer hospital days (p = 0.0045)
- **28% fewer ED visits** among uninsured patients (p = 0.02)
- 49% drop in hospitalizations for uninsured subgroup (p < 0.001)



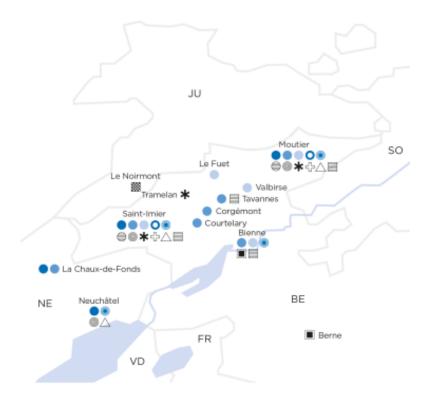
Réseau de l'Arc: Integrated Care in the Swiss Jura

The Réseau de l'Arc is Switzerland's first integrated care organization, created through a pioneering partnership between **Swiss Medical Network**, **insurer Visana**, and the **canton of Bern**.

- **©** Goal: improve outcomes and experience while controlling costs through prevention, coordination and person-centered care.
- Full regional coverage: hospitals, medical centers, home care, rehab, mental health
- Personal health plan "VIVA" approved by national authorities
- **✓ Health managers** support patients and GPs across the care journey

To follow: evaluation by The Basel Center for Health Economics and Swiss Tropical and Public Health. A six-year study to evaluate the Réseau de l'Arc's impact on healthcare costs and outcomes

Arc jurassien



Réseau de l'Arc

Réseau partenaire

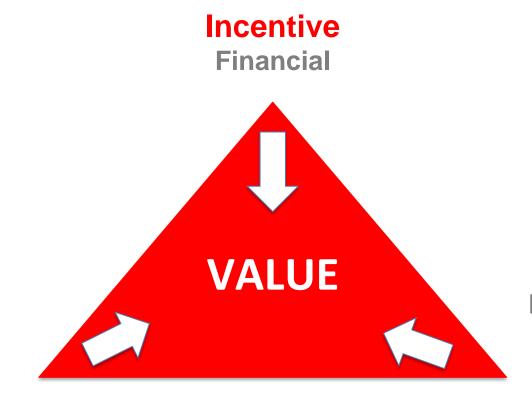
Centre hospitalier / universitaire

Spitex/Aide et soins à domicile

- Centre hospitalier/Clinique
- Pôle santé mentale
- O EMS
- Swiss Visio
- Hospitalisation à domicile
- Institut de radiologie
- * Service d'ambulances
- Pharmacie Interjurassienne
- △ Laboratoire

How do I begin?

From provider level to a VBHC system level



Measure

outcomes

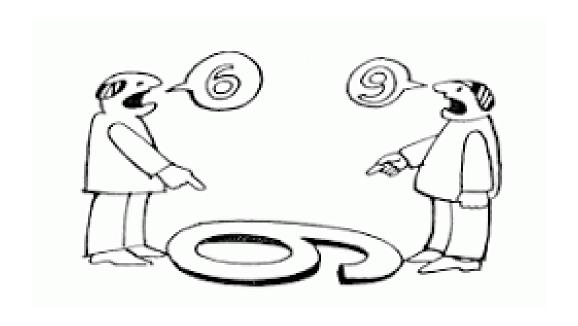
Improve

Practices, organizations of care, innovations

...Transparency and Benchmarking

Don't wait for the big bang, begin

WHAT MATTERS TO YOU?



Thank you!

If you want to dive deeper



