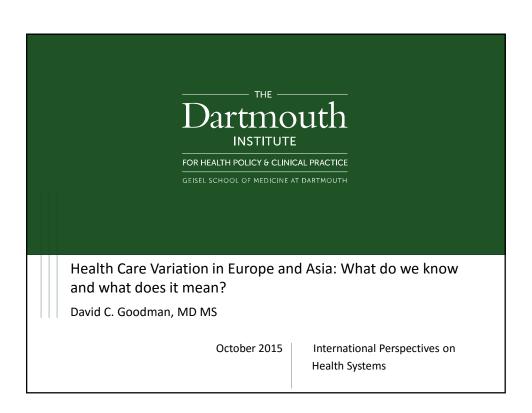
Welcome to "Health Care Variation in Europe & Asia"

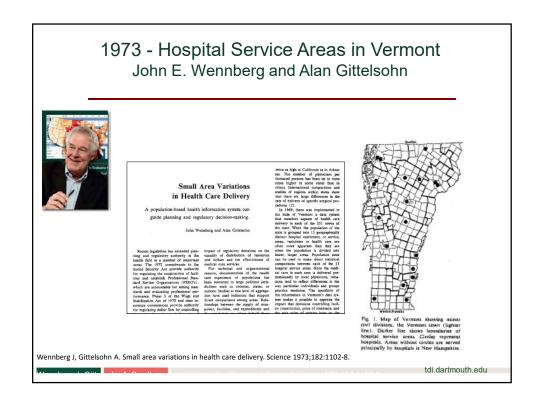
Supported by the Cogswell Benevolent Trust

- We will begin the seminar at 12:10 p.m. ET
- Please mute your audio

 O
- ₩#mhcdsLive
- Upcoming events
 - Thurs. 11/12: Joakim Edvinsson'14 "Person-Centered Care: Two Case Studies from Sweden"
 - Symposium April 7-9, 2016: "Scaling Up: What Happens When You Go Big?"





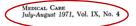


And the rest of the world?



3

Appendectomy in the Federal Republic of Germany Lichtner and Pflanz, Medical Care, 1971



Appendectomy in the Federal Republic of Germany: Epidemiology and Medical Care Patterns

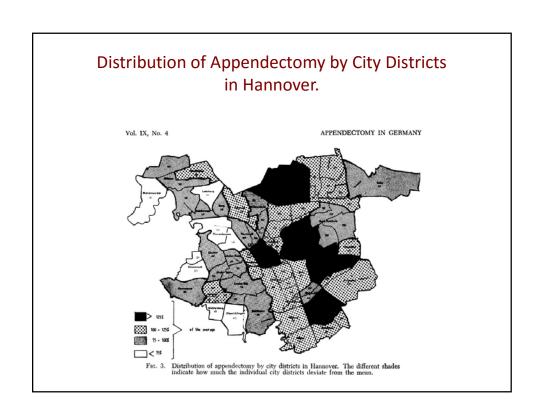
Sigrid Lichtner, $^{\circ}$ and Manfred Pflanz, M.D. \dagger

The mortality rate for appendicitis is three to four times higher in the Federal Republic of Germany than in any other country. The appendectomy rate among local sick-fund insured persons, in the Federal Army, and among the population of the city of Hannover, is two to three times higher in Germany than in other comparable countries. The incidence is three times higher in white collar workers than in blue collar workers. The appendectomy rate varies from one residential area of the city to another. While seasonal variations in incidence are very small, there are considerable differences between the days of the week. While the patient who has an appendectomy in the Federal Republic of Germany stays in the hospital almost twice as long, the total sick leave is slightly shorter than in the United States.

KISCH, ET AL.¹⁵ concluded their recently published study, "An Epidemiological Appublished study, "An Epidemiological Approach to the Study of the Incidence of Surgical Procedures," by remarking:

We hope that the study will stimulate a

diagnostic misinterpretation than are other diseases. While this is in fact true for appendectomy, it does not apply to appendi-



Merkwürdige Krankheit (Strange Disease)

DER SPIEGEL 53/1972



"In den deutschsprachigen Ländern sterben drei- bis viermal so viele Menschen an Blinddarmentzündung wie in allen übrigen Ländern der Welt".

"In der Bundesrepublik und in der DDR. in West-Berlin und Österreich kommt Blinddarmentzündung zwei- bis dreimal öfter vor als sonst auf der Welt, die Todesrate ist sogar drei- bis viermal höher -- eine "erstaunliche Tatsache", wie Professor Manfred Pflanz, Chef des Instituts für Epidemiologie und Sozialmedizin der Medizinischen Hochschule Hannover, und seine Doktorandin Sigrid Lichtner herausfanden."

What countries are interested in health care variation?



London School of Economics and Political Science

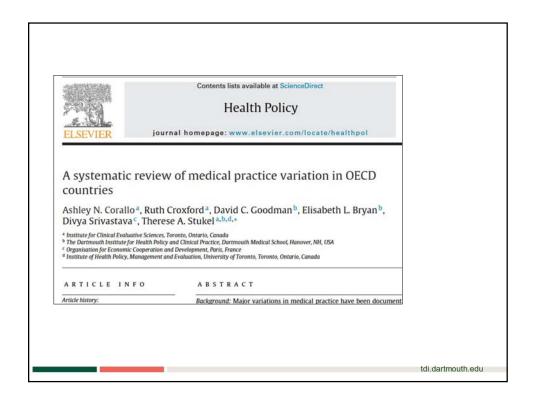


Toronto



University of Bern Switzerland

tdi.dartmouth.edu



Systematic review of medical practice variation in OECD countries

Corallo A, Coxford R, Goodman D, Bryan E, Srivatava D, Stukel T. *Health Policy* 2013.

	Number of studies	Percent
United States	319	38
United Kingdom	123	15
Canada	111	13
Australia/N.Z.	53	6
Netherlands	22	3
Denmark	13	2
Germany	13	2
Sweden	12	1
Spain	11	1
Switzerland	11	1
Japan	10	1
France	10	1

	Number of studies	Percent
Norway	8	1
Ireland	8	1
Italy	7	>1
Finland	6	>1
Belgium	3	>1
Austria	2	>1
Estonia	1	>1
Greece	1	>1
Hungary	1	>1
Portugal	1	>1

Published during period 2000 – 2011.

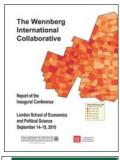
tdi.dartmouth.edu

What do most countries lag in measuring and understanding variation in health system performance?

- There are few places to learn the ideas and methods.
- Most studies are descriptive and do not investigate the causes of variation.
- Without ideas of causation, the results have limited use in remediating problems.
- Measurement and public reporting makes powerful stakeholders very nervous.

tdi.dartmouth.edu

The Wennberg International Collaborative 2010













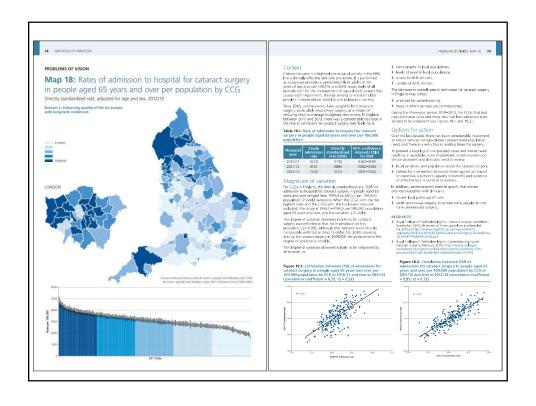


WIC Attendees

Fall research meetings		
2010	27	
2011	45	
2012	52	
2013 (Dartmouth)	91	
2014	69	
2015	80	
Spring policy meeting		
2015 Berlin	165	

Australia	Kosovo
Canada	Netherlands
Czech Republic	New Zealand
Denmark	Norway
England	The OECD
Finland	Peru
France	Portugal
Germany	Romania
Hungary	Slovenia
Ireland	Spain
Italy	Sweden
Japan	Switzerland
Korea	Turkey
	United States

The Third English NHS Atlas September 2015 The NHS Atlas of Variation in Healthcare Reducing unwarranted variation to increase value and improve quality Neww.rightcare.nhs.uk



How are the Dartmouth Theories of Causation Viewed?

Category	Cause	Consequence	Remedy
Unwarranted variation			
Evidence-based care	Clinician decisions ≠ science	Lower probability of good outcomes	Clinical microsystem improvements
Preference sensitive care	Provider-driven decisions; patients uninformed and not involved in decisions	Pt. doesn't receive preferred care: the care with highest individual pt. utility	Shared decision making, decisions aids. Better outcomes research. Research in decision quality.
Supply sensitive care	Capacity that is idiosyncratically located and poorly related to outcomes	Higher resource use with marginal or no patient benefit	Wiser capital and labor investments in health care.
Desired State: Warranted variation			
Care in response to differences in patient needs and preferences	Application of evidence-based medicine and Shared Decision Making	Better outcomes, including higher decision quality, and often lower costs	



Tuscany Region

Scuola Superiore Sant'Anna of Pisa Istituto di Management Laboratorio Management e Sanità

The Performance Evaluation System of Health Care in Tuscany

