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Swiss Health Atlas Variations in Hospitalisation Rates

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Confédération suisse

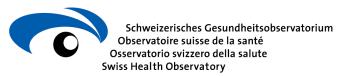
Confederaziun svizra

Confederazione Svizzera

Schweizerische Eidgenossenschaft Eidgenössisches Departement des Innern EDI



GDK Schweizerische Konferenz der kantonalen Gesundheitsdirektorinnen und -direktoren CDS Conférence suisse des directrices et directeurs cantonaux de la santé CDS Conferenza svizzera delle direttrici e dei direttori cantonali della sanità



Question

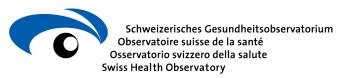
Where do we observe over- and undersupply?

Aim

Systematic presentation of unwarranted practice variation in a webbased health care atlas

Approach

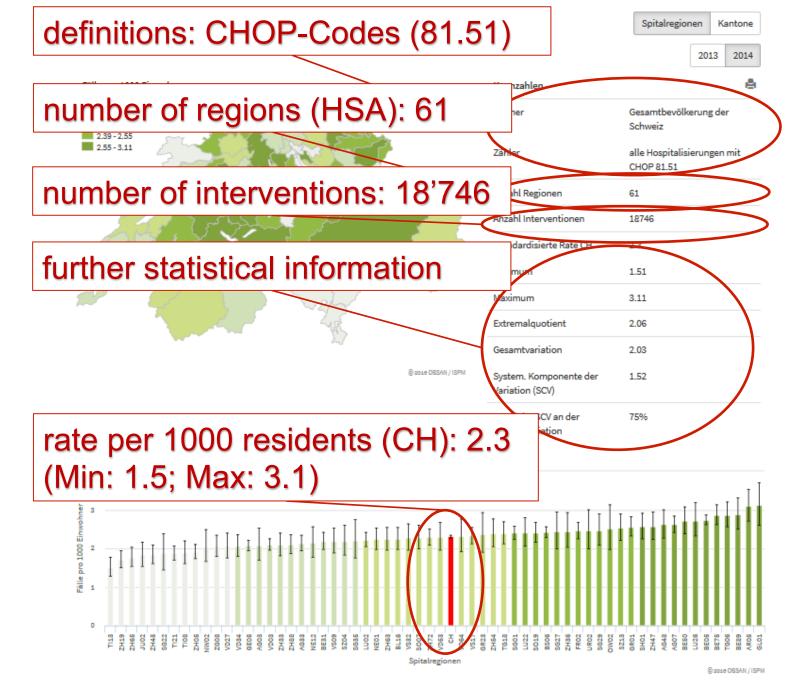
Analysing hospitalisation rates within Hospital Service Areas (HSA)

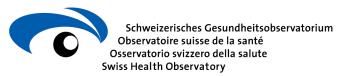


- Administrative regions (cantons / districts)
 - Independent of supply (e.g. areas without a hospital)
- Hospital Service Areas (HSA)
 - Method: Small Area Analysis (based on Dartmouth Atlas)
 - At least one hospital per area
 - Utilisation depends on supply
- Geographic (unwarranted) variation refers to differences that

«... cannot be explained with the disease or preferences of patients» «... cannot be explained by the performance of the health care system» (David Goodman) Schweizerisches Gesundheitsobservatorium Observatoire suisse de la santé Osservatorio svizzero della salute Swiss Health Observatory

versorgungsatlas.ch	Home Behandlungen -	Glossar Methoden Publikatio	onen
Nervensystem und Sinnesorgane Dermatologie	Innere Organe Endokrinologie Gastroenterologie	Bewegungsapparat Chirurgie des Bewegungsapparates	Gynäkologie und Geburtshilfe Gynäkologie
Hals-Nasen-Ohren Neurochirurgie Neurologie	Viszeralchirurgie Hämatologie Gefässe	Rheumatologie Querschnittsbereiche	Geburtshilfe Neugeborene Übrige
Ophthalmologie	Herz Nephrologie Urologie Pneumologie	Kindermedizin Kinderchirurgie Akutgeriatrie	Radio-Onkologie Schwere Verletzungen
	Thoraxchirurgie Transplantationen	Palliativmedizin	



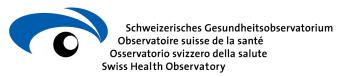


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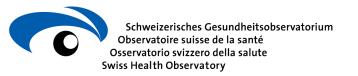
Totalendoprothese des Hüftgelenks



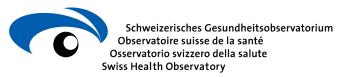
Anteil der SCV an der 82% Gesamtvariation



- Technical work completed:
 - Definition of regions (HSA base model)
 - Database of health indicators
 - Website
- The most common interventions in the HSA base model have been analysed and implemented on the website
- Unanticipated difficulties:
 - Definition of interventions in collaboration with clinicians more complex than expected
 - Not going live without review by clinical experts



- Maps show relations between geographic regions
- Large variation may indicate potential over- and undersupply
- Variation offers potential for improvements
- Similar atlas exist in other European countries (DE, ES, NL,...)



- Extensive and systematic analysis of interventions and services provided, presented in the form of an atlas
- Adaptation of (number and size of) HSA depending on intervention
- Include ambulatory services in atlas
- Further analyses such as accessibility in relation with services provided by hospitals
- Ensure longevity of project (including long-term funding)



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

www.versorgungsatlas.ch

Going live: 20.06.2017