

Scientific publications NRP 74 «Smarter Health Care»
(as of end of April 2020)

Newest Publications

Project	Scientific publications
<p>What factors affect the performance of elective interventions in Switzerland? <i>Prof. Dr. med. Drahomir Aujesky</i></p>	<p>Haynes, AG, Wertli MM, Aujesky D. Automated delineation of hospital service areas as a new tool for health care planning. <i>Health Services Research</i>. 2020</p>
<p>Promoting the merging of health data in Switzerland <i>Prof. Dr. Bernice Simone Elger</i></p>	<p>Geneviève LD, Martani A, Shaw D, Elger BS, Wangmo T. Structural racism in precision medicine: leaving no one behind. <i>BMC Med Ethics</i>. 2020;21(1):17.</p> <p>Martani A, Geneviève LD, Poppe C, Casonato C, Wangmo T. Digital pills: a scoping review of the empirical literature and analysis of the ethical aspects. <i>BMC Med Ethics</i>. 2020;21(1):3.</p> <p>Geneviève LD, Martani A, Mallet MC, Wangmo T, Elger BS. Factors influencing harmonized health data collection, sharing and linkage in Denmark and Switzerland: A systematic review. <i>PLoS One</i>. 2019;14(12):e0226015.</p> <p>Martani A, Geneviève LD, Pauli-Magnus C, McLennan S, Elger BS. Regulating the Secondary Use of Data for Research: Arguments Against Genetic Exceptionalism. <i>Front Genet</i>. 2019;10:1254.</p>
<p>Reliably determining optimal antibiotic durations <i>Dr. MD Angela Huttner</i></p>	<p>Von Dach E, Albrich W, Brunel A, Prendki V, Cuvelier C, Flury D, et al. Effect of C-reactive-protein-guided antibiotic treatment duration, 7-day treatment, or 14-day treatment on 30-day clinical failure rate in patients with uncomplicated gram-negative bacteremia: a randomized clinical trial. <i>JAMA</i>. 2020 (in press).</p> <p>Prendki V, von Dach E, Albrich W, Brunel A, Cuvelier C, Flury D, et al. C-reactive protein patterns by age, sex and pathogen in patients with gram-negative bacteremia. 30th European Congress of Clinical Microbiology and Infectious Diseases, Paris, 2020 (online abstract).</p>
<p>Successful models of palliative care in Switzerland <i>Prof. Dr. Brigitte Liebig</i></p>	<p>Schweighoffer R, Reeves E, Liebig B. Collaborative Networks in Primary and Specialized Palliative Care in Switzerland - Perspectives of Doctors and Nurses, <i>The Open Public Health Journal</i>. 2020; 13(1):36-43.</p> <p>Reeves E, Schweighoffer R, Liebig B. An investigation of the challenges to coordination at the interface of primary and specialized palliative care services in Switzerland: A qualitative interview study. <i>Interprof Care</i>. 2020:1-7.</p>
<p>Standardised Assessment and Reporting System of functioning of people with chronic diseases (StARS) <i>Prof. Dr. med. Gerold Stucki</i></p>	<p>Hodel, J., Ehrmann, C., Stucki, G., Bickenbach J. E., Prodingler B. Examining the complexity of functioning in persons with spinal cord injury attending first rehabilitation in Switzerland using structural equation modelling. <i>Spinal Cord</i>. 2020 Feb 13. [Epub ahead of print]</p>

Vaccine-sceptical patients and doctors in Switzerland

Prof. Dr. med. Philip Eduard Tarr

Deml M, Buhl A, Notter J, Kliem P, Huber B, Pfeiffer C, Burton-Jeangros C, Tarr P. 'Problem patients and physicians' failures': What it means for doctors to counsel vaccine hesitant patients in Switzerland. *Social Science & Medicine*. 2020;255:112946.

Deml M, Dietrich L, Wingeier B, Etter G, Gallmann C, Berger C et al. [Collaborating with Complementary and Alternative Medicine \(CAM\) Providers When Writing HPV Vaccine Review Articles](#). *Journal of Clinical Medicine*. 2020;9(2):592.

Deml M, Jafflin K, Merten S, Huber B, Buhl A, Frau E et al. [Determinants of vaccine hesitancy in Switzerland: study protocol of a mixed-methods national research programme](#). *BMJ Open*. 2019;9(11):e032218.

Deml M, Notter J, Kliem P, Buhl A, Huber B, Pfeiffer C et al. "We treat humans, not herds!": A qualitative study of complementary and alternative medicine (CAM) providers' individualized approaches to vaccination in Switzerland. *Social Science & Medicine*. 2019;240:112556.

Tarr P, Deml M, Huber B. [Measles in Switzerland – progress made, but communication challenges lie ahead](#). *Swiss Medical Weekly*. 2019;149.

Deml M, Mettraux V, Huber B, Krüerke D, Wingeier B, Gallmann C et al. [Impfskepsis in der Schweiz – ein nationales Forschungsprogramm](#). *Praxis Depesche*. 2019:42-44.

Integrated community-based care for home-dwelling older people

Prof. Dr. Sabina De Geest

Deschodt M, Laurent G, Cornelissen L, Yip O, Zúñiga F, Denhaerynck K, Briel M, Karabegovic A, De Geest S, and the INSPIRE consortium. Core components and impact of nurse-led integrated care models for home-dwelling older adults: a systematic review and meta-analysis. *International Journal of Nursing Studies*. 2020, 105.

Older publications

Project	Scientific publications
<p>Promoting participatory medicine in colorectal cancer screening</p> <p><i>Prof. Dr. med. Reto Auer</i></p>	<p>Braun AL, Prati E, Martin Y, Dvořák C, Tal K, Biller-Andorno N et al. Variation in colorectal cancer testing between primary care physicians: a cross-sectional study in Switzerland. <i>International Journal of Public Health</i>. 2019;64(7):1075-1083.</p> <p>Martin Y, Braun AL, Biller-Andorno N, Bulliard J, Cornuz J, Selby K et al. Screening Refusal Associated with Choice of Colorectal Cancer Screening Methods. A Cross-sectional Study Among Swiss Primary Care Physicians. <i>Journal of General Internal Medicine</i>. 2019;34(8):1409-1411.</p> <p>Martin Y, Braun L, Janggen M, Tal K, Biller-Andorno N, Ducros C et al. Offering patients a choice for colorectal cancer screening: a quality improvement pilot study in a quality circle of primary care physicians. <i>BMJ Open Quality</i>. 2019;8(4):e000670.</p>
<p>What factors affect the performance of elective interventions in Switzerland?</p> <p><i>Prof. Dr. med. Drahomir Aujesky</i></p>	<p>Jegerlehner S, Chiolero A, Aujesky D, Rodondi N, Germann S, Konzelmann I et al. Recent incidence and surgery trends for prostate cancer: Towards an attenuation of overdiagnosis and overtreatment?. <i>PLOS ONE</i>. 2019;14(2):e0210434.</p> <p>Scheuter C, Wertli M, Haynes A, Panczak R, Chiolero A, Perrier A et al. Unwarranted regional variation in vertebroplasty and kyphoplasty in Switzerland: A population-based small area variation analysis. <i>PLOS ONE</i>. 2018;13(12):e0208578.</p>
<p>Using case management to remove burden on emergency departments</p> <p><i>Prof. Dr. Patrick Bodenmann</i></p>	<p>Grazioli V, Moullin J, Kasztura M, Canepa-Allen M, Hugli O, Griffin J et al. Implementing a case management intervention for frequent users of the emergency department (I-CaM): an effectiveness-implementation hybrid trial study protocol. <i>BMC Health Services Research</i>. 2019;19(1).</p> <p>Vu F, Hugli O, Daepfen JB, Kasztura M, Grazioli VS, Bodenmann P. Prise en charge des grands consommateurs des services d'urgences [Management of emergency department frequent users]. <i>Revue Medicale Suisse</i>. 2019;15(640): 490-493.</p>
<p>Improving the data situation in out-patient healthcare</p> <p><i>PD Dr. Corinne Chmiel</i></p>	<p>Falck L, Zoller M, Rosemann T, Martínez-González N, Chmiel C. Toward Standardized Monitoring of Patients With Chronic Diseases in Primary Care Using Electronic Medical Records. <i>JMIR Medical Informatics</i>. 2019;7(2):e10879.</p> <p>Meier R, Muheim L, Senn O, Rosemann T, Chmiel C. The impact of financial incentives to improve quality indicators in patients with diabetes in Swiss primary care: a protocol for a cluster randomised controlled trial. <i>BMJ Open</i>. 2018;8(6):e023788.</p>
<p>Automatic detection of adverse drug events in the geriatric care</p> <p><i>Prof. Dr. Chantal Csajka</i></p>	<p>Terrier J, Daali Y, Fontana P, Csajka C, Reny J. Towards Personalized Antithrombotic Treatments: Focus on P2Y12 Inhibitors and Direct Oral Anticoagulants. <i>Clinical Pharmacokinetics</i>. 2019;58(12):1517-1532.</p>

<p>Promoting the merging of health data in Switzerland <i>Prof. Dr. Bernice Simone Elger</i></p>	<p>Geneviève L, Martani A, Wangmo T, Paolotti D, Koppeschaar C, Kjelsø C et al. Participatory Disease Surveillance Systems: Ethical Framework. <i>Journal of Medical Internet Research</i>. 2019;21(5):e12273.</p> <p>Martani A, Shaw D, Elger B. Stay fit or get bit - ethical issues in sharing health data with insurers' apps. <i>Swiss Medical Weekly</i>. 2019;149:w20089.</p> <p>Geneviève L, Wangmo T, Dietrich D, Woolley-Meza O, Flahault A, Elger B. Research Ethics in the European Influenza Consortium: Scoping Review. <i>JMIR Public Health and Surveillance</i>. 2018;4(4):e67.</p> <p>McLennan S, Maritz R, Shaw D, Elger B. The inconsistent ethical oversight of healthcare quality data in Switzerland. <i>Swiss medical weekly</i>. 2018;148:14637-14637.</p> <p>McLennan S, Shaw D, Celi L. The challenge of local consent requirements for global critical care databases. <i>Intensive Care Medicine</i>. 2018;45(2):246-248.</p>
<p>End of life: more quality and less suffering through better planning and coordination? <i>Prof. Dr. med. Steffen Eychmüller</i></p>	<p>White N, Oostendorp L, Vickerstaff V, Gerlach C, Engels Y, Maessen M et al. An online international comparison of thresholds for triggering a negative response to the "Surprise Question": a study protocol. <i>BMC Palliative Care</i>. 2019;18(1).</p>
<p>Less fee-for-services, more flat reimbursement: Does it work in the out-patient sector? <i>Prof. Dr. Stefan Felder</i></p>	<p>Felder S. The Treatment Decision under Uncertainty: The Effects of Health, Wealth and the Probability of Death. <i>Journal of Health Economics</i>. 2020;69:102253.</p>
<p>Reliably determining optimal antibiotic durations <i>Dr. MD Angela Huttner</i></p>	<p>Huttner A, Albrich W, Bochud P, Gayet-Ageron A, Rossel A, Dach E et al. PIRATE project: point-of-care, informatics-based randomised controlled trial for decreasing overuse of antibiotic therapy in Gram-negative bacteraemia. <i>BMJ Open</i>. 2017;7(7):e017996.</p>
<p>Provision of care for children with developmental disorders in the canton of Zurich <i>Prof. Dr. med. Oskar Gian Jenni</i></p>	<p>Schaefer C, Schneider N, Jenni O, von Rhein M. Frühe Fördermassnahmen für Kinder mit Autismus-Spektrum-Störung. Situation im Kanton Zürich. <i>Schweizerische Zeitschrift für Heilpädagogik</i>. 2018;9:14–19.</p>
<p>Successful models of palliative care in Switzerland <i>Prof. Dr. Brigitte Liebig</i></p>	<p>Reeves E, Schweighoffer R, Liebig B. Community readiness for Palliative Care Services in Switzerland: Basis for public health strategy for health psychologists. <i>Psychreg Journal of Psychology</i>. 2019;3(2).</p> <p>Schweighoffer R, Nagy N, Reeves E, Liebig B. Collaboration in Palliative Care Networks in Urban and Rural Regions of Switzerland. <i>International Journal of Nursing and Health Sciences</i>. 2019;13(1):18-21.</p> <p>Hegglin I, Liebig B. Interprofessionelle Kooperation in der stationären Gesundheitsversorgung. Herausforderungen der Führung. <i>Zeitschrift für Führung und Personalmanagement in der Gesundheitswirtschaft ZFG</i>. 2018;4(2):18-22.</p>

Does systematic interprofessional collaboration shorten the length of hospital stays?

Prof. Dr. med. Beat Müller

Koch D, Schuetz P, Haubitz S, Kutz A, Mueller B, Weber H et al. [Improving the post-acute care discharge score \(PACD\) by adding patients' self-care abilities: A prospective cohort study](#). *PLOS ONE*. 2019;14(3):e0214194.

Kutz A, Koch D, Conca A, Baechli C, Haubitz S, Regez K et al. [Integrative hospital treatment in older patients to benchmark and improve outcome and length of stay - the In-HospiTOOL study](#). *BMC Health Services Research*. 2019;19(1).

Kutz A, Gut L, Ebrahimi F, Wagner U, Schuetz P, Mueller B. *JAMA Network Open*. 2019;2(2):e188332. [Association of the Swiss Diagnosis-Related Group Reimbursement System With Length of Stay, Mortality, and Readmission Rates in Hospitalized Adult Patients](#). *JAMA Network Open*. 2019;2(2):e188332.

Kutz A, Schuetz P, Müller B. [SwissDRG und nutzerorientierte Kennzahlen – Zeit, Bilanz zu ziehen](#). *Schweizerische Ärztezeitung*. 2019;100(14):523-524.

Conca A, Ebrahim D, Noack S, Gabele A, Weber H, Prins M et al. [Screening by Social Workers in Medical Patients with Risk of Post-Acute Care Needs: A Stepped Wedge Cluster Randomized Trial](#). *International Journal of Health Professions*. 2018;5(1):25-34.

Conca A, Gabele A, Reutlinger B, Schuetz P, Kutz A, Haubitz S et al. [Prediction of post-acute care demand in medical and neurological inpatients: diagnostic assessment of the post-acute discharge score - a prospective cohort study](#). *BMC Health Services Research*. 2018;18(1).

Kutz A. [Querdenker erweitern den Horizont](#). *Clinicum*. 2017;5:22-29.

Kutz A. Integrierte Patientenbetreuung, Innovationsprojekt vor dem Start. *Competence*. 2017;26-27.

Wenke Juliane. [Verbessert eine pflegegeleitete Versorgung die Selbstpflegefähigkeiten? Eine quasi-experimentelle Studie](#). *Klinische Pflegeforschung*. 2017;3:48-60.

Kutz A, Ebrahimi F, Struja T, Greenwald J, Schuetz P, Mueller B. [Innovative transition interventions to better align healthcare needs in hospitalised medical patients](#). *Swiss medical weekly*. 2017;147:w14515.

Optimised medication and communication at discharge

Dr. med. Stefan Neuner-Jehle

Grischott T, Zechmann S, Rachamin Y, Markun S, Chmiel C, Senn O et al. [Improving inappropriate medication and information transfer at hospital discharge: study protocol for a cluster RCT](#). *Implementation Science*. 2018;13(1).

The spiritual dimension of pain therapy

Prof. Dr. Simon Peng-Keller

Adami S, Breuning M, Bengel J, Bischoff A, Peng-Keller S. [Chronische Schmerzpatientinnen und-patienten sprechen über ihre Spiritualität](#). *Spiritual Care*. 2018;7(3):243-253.

Peng-Keller S, Bischoff A. Chronische Erkrankungen und Spiritual (Self-)Care. *Spiritual Care*. 2018;7(3):241-241.

Peng-Keller, S. [Leiden, Schmerz und Compassion im Horizont von Spiritual Care](#). *Bioethica Forum*. 2018;11(1):11-13.

Peng-Keller S. Ansätze ärztlicher Spiritual Care. *Praxis*. 2017;106(24):1339-1343.

Standardised Assessment and Reporting System of functioning of people with chronic diseases (STARS)

Prof. Dr. med. Gerold Stucki

Maritz R, Tennant A, Fellinghauer C, Stucki G, Prodinge B. [The Functional Independence Measure 18-item version can be reported as a unidimensional interval-scaled metric: Internal construct validity revisited](#). *Journal of Rehabilitation Medicine*. 2019;51(3):193-200.

Maritz R, Tennant A, Fellinghauer C, Stucki G, Prodinge B. [The Extended Barthel Index \(EBI\) can Be Reported as a Unidimensional Interval-Scaled Metric – A Psychometric Study](#). *Physikalische Medizin, Rehabilitationsmedizin, Kurortmedizin*. 2019;29(04):224-232.

McLennan S, Maritz R, Shaw D, Elger B. [The inconsistent ethical oversight of health care quality data in Switzerland](#). *Swiss Medical Weekly*. 2018;148:w14637.

Optimising medication with electronic decision-making assistants in patients with multiple chronic illnesses

Prof. Dr. med. Sven Streit

Jungo K, Rozsnyai Z, Mantelli S, Floriani C, Löwe A, Lindemann F et al. ['Optimising Pharmacotherapy In the multimorbid elderly in primary CARE' \(OPTICA\) to improve medication appropriateness: study protocol of a cluster randomised controlled trial](#). *BMJ Open*. 2019;9(9):e031080.

Jungo KT, Lindemann F., Schwab N. [Hürden und Chancen der klinischen Forschung in der Hausarztmedizin](#). *Primary and Hospital Care: Allgemeine Innere Medizin*. 2019;19(11):342-344.

Jungo KT, Löwea, A., Mantellia, S., Meierc, R., Rodondia, N., Streita, S. [Die OPTICA-Studie](#). *Primary and Hospital Care: Allgemeine Innere Medizin*. 2018;18(06):100-102.

Do financial incentives improve the treatment of diabetes?

Prof. Dr. med. Thomas Rosemann

Meier R, Muheim L, Senn O, Rosemann T, Chmiel C. [The impact of financial incentives to improve quality indicators in patients with diabetes in Swiss primary care: a protocol for a cluster randomised controlled trial](#). *BMJ Open*. 2018;8(6):e023788.

What are long-term care choices in the older population?

Prof. Dr. Brigitte Santos-Eggimann

Abolhassani N, Santos-Eggimann B, Chiolo A, Santschi V, Henchoz Y. Readiness to accept health information and communication technologies: A population-based survey of community-dwelling older adults. *International Journal of Medical Informatics*. 2019;130:103950.

Carvalho N, Meylan L, Blanco J, Fustinoni S, Abolhassani N, Santos-Eggimann B. [Gender differences regarding opinions on long-term care arrangements: A study of community-dwelling older adults](#). *Archives of Gerontology and Geriatrics*. 2019;83:195-203.

Santos-Eggimann B, Meylan L. [Older Citizens' Opinions on Long-Term Care Options: A Vignette Survey](#). *Journal of the American Medical Directors Association*. 2017;18(4):326-334.

<p>How do guidelines and recommendations influence medical treatment?</p>	<p>Bachmann, L., Ulyte, A., Dressel, H. Clinical practice guidelines of medical societies in Switzerland: analysis of the current state. <i>Swiss medical weekly</i>. 2019;149:w20134.</p>
<p>Prof. Dr. Matthias Schwenkglens</p>	<p>Ulyte A, Bähler C, Schwenkglens M, von Wyl V, Gruebner O, Wei W et al. Measuring diabetes guideline adherence with claims data: systematic construction of indicators and related challenges. <i>BMJ Open</i>. 2019;9(4):e027138.</p>
	<p>Ulyte, A., Vokinger, K. N., Dressel, H. Clinical Practice Guidelines: An Ambiguous Term With Potentially Unexpected Legal Consequences. <i>Praxis</i>. 2019;108(10):673-677.</p>
	<p>Wei W, Gruebner O, von Wyl V, Brüngger B, Dressel H, Ulyte A et al. Variation of preoperative chest radiography utilization in Switzerland and its influencing factors: a multilevel study with claims data. <i>Scientific reports</i>. 2018;8(1):1-9</p>
<p>Development of a nurse-led care model for nursing homes</p>	<p>Muench U, Simon M, Guerbaai R, De Pietro C, Zeller A, Kressig R et al. Preventable hospitalizations from ambulatory care sensitive conditions in nursing homes: evidence from Switzerland. <i>International Journal of Public Health</i>. 2019;64(9):1273-1281.</p>
<p>Prof. Dr. Michael Simon</p>	<p>Zúñiga F, De Geest S, Guerbaai R, Basinska K, Nicca D, Kressig R et al. Strengthening Geriatric Expertise in Swiss Nursing Homes: INTERCARE Implementation Study Protocol. <i>Journal of the American Geriatrics Society</i>. 2019;67(10):2145-2150.</p>
<p>Integrated community-based care for home-dwelling older people</p>	<p>Zúñiga F, Deschodt M, De Geest S. Herausforderungen in der Pflege von multimorbiden älteren Menschen. <i>Primary and Hospital Care: Allgemeine Innere Medizin</i>. 2018;18(6):96-99.</p>
<p>Prof. Dr. Sabina De Geest</p>	
<p>Use of simulation modelling to improve care for patients with chronic conditions in Switzerland</p>	<p>Winter V, Thomsen M, Schreyögg J, Blankart K, Duminy L, Schoenenberger L et al. Improving Service Provision - The Health Care Services' Perspective. <i>Journal of Service Management Research</i>. 2019;3(4):163-183.</p>
<p>Prof. Dr. Lukas Schönenberger</p>	
<p>Safer medication management for home-dwelling older adults</p>	<p>Pereira F, Roux P, Rosselet Amoussou J, Martins M, von Gunten A, Verloo H. Medication Management Models for Polymedicated Home-Dwelling Older Adults With Multiple Chronic Conditions: Protocol of a Systematic Review. <i>JMIR Research Protocols</i>. 2019;8(5):e13582.</p>
<p>Dr. Henk Verloo</p>	<p>Pereira F, Roux P, Santiago-Delefosse M, Von Gunten A, Wernli B, Martins MM, Verloo H. Optimising medication management for polymedicated home-dwelling older adults with multiple chronic conditions: a mixed-methods study protocol. <i>JMIR Research Protocols</i>. 2019;9(10).</p>
	<p>Pereira F, von Gunten A, Amoussou JR, Salamun IDG, Martins MM, Verloo, H. Polypharmacy Among Home-Dwelling Older Adults: The Urgent Need for an Evidence-Based Medication Management Model. <i>Patient Preference and Adherence</i>. 2019;13: 2137–2143</p>