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### **Units**

Division of Infectious Diseases, Infection Prevention and Travel Medicine

## Publications (48)

Dörr T, Strahm C, Güsewell S, Ballouz T, Kocan E, Cusini A, Goppel S, Grässli F, Möller J, Puhan M, Risch L, Ruetti M, Schlegel M, Stocker R, von Kietzell M, Vuichard-Gysin D, Kuster S, Kahlert C, Kohler P, SURPRISE (SURveillance of infectious diseases among health PProfessionals In SwitzErland) Study Group. Burden of post-acute COVID-19 sequelae in healthcare workers and its course over a 30-month period—results from a prospective multicentre cohort. *Infection* 2024

Badinski T, Seiffert S, Grässli F, Babouee Flury B, Besold U, Betschon E, Biggel M, Brucher A, Cusini A, Dörr T, Egli A, Goppel S, Güsewell S, Keller J, von Kietzell M, Möller J, Nolte O, Ortner M, Roloff T, Ruetti M, Schlegel M, Seth-Smith H, Stephan R, Stocker R, Vuichard-Gysin D, Willi B, Kuster S, Kahlert C, Kohler P, SURPRISE Study Group. Colonization with resistant bacteria in hospital employees: an epidemiological surveillance and typing study. *Antimicrob Agents Chemother* 2024; 68:e0098524.

Dörr T, Güsewell S, Flury D, Süveges M, Gaza Valera C, Botero-Mesa S, Zanella M, Iten A, Balmelli C, Troillet N, Tschudin-Sutter S, Schreiber P, Jent P, Damonti L, Sommerstein R, Portmann L, Vuichard-Gysin D, Cusini A, Nussbaumer-Ochsner Y, Heining U, Christoph B, Zimmermann P, Gardiol C, Keiser O, Schlegel M, Kohler P, Kuster S. Association of institutional masking policies with healthcare-associated SARS-CoV-2 infections in Swiss acute care hospitals during the BA.4/5 wave (CH-SUR study): a retrospective observational study. *Antimicrob Resist Infect Control* 2024; 13:64.

Dörr T, Güsewell S, Cusini A, Brucher A, Goppel S, Grässli F, Betschon E, Möller J, Ortner M, Ruetti M, Stocker R, Vuichard-Gysin D, Besold U, Risch L, von Kietzell M, Schlegel M, Kuster S, Kahlert C, Kohler P, SURPRISE (SURveillance of infectious diseases among health PProfessionals In SwitzErland) Study Group. SARS-CoV-2 Vaccination is Not Associated With Involuntary Childlessness in Female Healthcare Workers: A Multicenter Cohort Study. *Influenza Other Respir Viruses* 2024; 18:e13333.

Cipriani M, Schlegel M, Schwark-Bähler M, Henz S, Kohler P, Albrich W. Successful reduction of urinary catheter placement for correct and incorrect indications after introduction of a prevention bundle. *Antimicrob Steward Healthc Epidemiol* 2024; 4:e71.

Albrecht S, Grässli F, Cusini A, Brucher A, Goppel S, Betschon E, Möller J, Ortner M, Ruetti M, Stocker R, Vuichard-Gysin D, Besold U, Risch L, von Kietzell M, Schlegel M, Vernazza P, Kuster S, Kahlert C, Kohler P. SARS-CoV-2 immunity and reasons for non-vaccination among healthcare workers from eastern and northern Switzerland: results from a nested multicentre cross-sectional study. *Swiss Med Wkly* 2024; 154:3734.

Bloch N, Rufenacht S, Ludwinek M, Frick W, Kleger G, Schneider F, Albrich W, Flury D, Kuster S, Schlegel M, Kohler P. Healthcare-associated infections in intensive care unit patients with and without COVID-19: a single center prospective surveillance study. *Antimicrob Resist Infect Control* 2023; 12:147.

Eder M, Sommerstein R, Szelecsenyi A, Schweiger A, Schlegel M, Atkinson A, Kuster S, Vuichard-Gysin D, Troillet N, Widmer A. Association between the introduction of a national targeted intervention program and the incidence of surgical site infections in Swiss acute care hospitals. *Antimicrob Resist Infect Control* 2023; 12:134.

Bloch N, Männer J, Gardiol C, Kohler P, Kuhn J, Münzer T, Schlegel M, Kuster S, Flury D. Effective infection prevention and control measures in long-term care facilities in non-outbreak and outbreak settings: a systematic literature review. *Antimicrob Resist Infect Control* 2023; 12:113.

Kahlert C, Strahm C, Güsewell S, Cusini A, Brucher A, Goppel S, Möller E, Möller J, Ortner M, Ruetti M, Stocker R, Vuichard-Gysin D, Besold U, McGeer A, Risch L, Friedl A, Schlegel M, Vernazza P, Kuster S, Kohler P, SURPRISE (SURveillance of infectious diseases among health PProfessionals In SwitzErland) Study Group. Post-Acute Sequelae After Severe Acute Respiratory Syndrome Coronavirus 2 Infection by Viral Variant and Vaccination Status: A Multicenter Cross-Sectional Study. *Clin Infect Dis* 2023; 77:194–202.

Kohler P, Babouee Flury B, Güsewell S, Egger T, Leal-Neto O, Brucher A, Lemmenmeier E, Meier Kleeb D, Möller J, Ortner M, Rieder P, Ruetti M, Schmid H, Stocker R, Vuichard-Gysin D, Speer O, Wiggli B, Besold U, McGeer A, Risch L, Friedl A, Schlegel M, Vernazza P, Kahlert C, Kuster S, SURPRISE Study Group. Clinical symptoms of SARS-CoV-2 breakthrough infection during the Omicron period in relation to baseline immune status and booster vaccination-A prospective multicentre cohort of health professionals (SURPRISE study). *Influenza Other Respir Viruses* 2023; 17:e13167.

Scanferla G, Héquet D, Graf N, Münzer T, Kessler S, Kohler P, Nussbaumer A, Petignat C, Schlegel M, Flury D. COVID-19 burden and influencing factors in Swiss long-term-care facilities: a cross-sectional analysis of a multicentre observational cohort. *Swiss Med Wkly* 2023; 153:40052.

Rüfenacht S, Kohler P, Kuhn R, Flury D, Widmer A, Schlegel M. Impact of the coronavirus disease 2019 (COVID-19) pandemic on the adherence to hand hygiene practice in hospitals-Data from a Swiss national surveillance system. *Infect Control Hosp Epidemiol* 2023:1-4.

Waldeck F, Seiffert S, Manser S, Zemp D, Walt A, Berger C, Albrich W, Schlegel M, Roloff T, Egli A, Nolte O, Kahlert C. Outbreak investigation including molecular characterization of community associated methicillin-resistant *Staphylococcus aureus* in a primary and secondary school in Eastern Switzerland. *Sci Rep* 2022; 12:19826.

Babouee Flury B, Güsewell S, Egger T, Leal O, Brucher A, Lemmenmeier E, Meier Kleeb D, Möller J, Rieder P, Rütli M, Schmid H, Stocker R, Vuichard-Gysin D, Wiggli B, Besold U, McGeer A, Risch L, Friedl A, Schlegel M, Kuster S, Kahlert C, Kohler P, SURPRISE Study Group. Risk and symptoms of COVID-19 in health professionals according to baseline immune status and booster vaccination during the Delta and Omicron waves in Switzerland-A multicentre cohort study. *PLoS Med* 2022; 19:e1004125.

Strahm C, Seneghini M, Güsewell S, Egger T, Leal-Neto O, Brucher A, Lemmenmeier E, Meier Kleeb D, Möller J, Rieder P, Ruetti M, Rutz R, Schmid H, Stocker R, Vuichard-Gysin D, Wiggli B, Besold U, Kuster S, McGeer A, Risch L, Friedl A, Schlegel M, Schmid D, Vernazza P, Kahlert C, Kohler P. Symptoms Compatible With Long Coronavirus Disease (COVID) in Healthcare Workers With and Without Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Infection-Results of a Prospective Multicenter Cohort. *Clin Infect Dis* 2022; 75:e1011-e1019-9.

Simonet S, Marschall J, Kuhn R, Schlegel M, Kahlert C. Implementation of an electronic, secure, web-based application to support routine hand hygiene observation with immediate direct feedback and anonymized benchmarking. *Am J Infect Control* 2022

Thoma R, Kohler P, Haller S, Männer J, Schlegel M, Flury D. Ward-level risk factors associated with nosocomial coronavirus disease 2019 (COVID-19) outbreaks: A matched case-control study. *Antimicrob Steward Healthc Epidemiol* 2022; 2:e49.

Seneghini M, Rüfenacht S, Babouee Flury B, Flury D, Schlegel M, Kuster S, Kohler P. It is complicated: Potential short- and long-term impact of coronavirus disease 2019 (COVID-19) on antimicrobial resistance-An expert review. *Antimicrobial Stewardship & Healthcare Epidemiology* 2022

Seneghini M, Rüfenacht S, Babouee Flury B, Flury D, Schlegel M, Kuster S, Kohler P. It is complicated: Potential short- and long-term impact of coronavirus disease 2019 (COVID-19) on antimicrobial resistance-An expert review. *Antimicrob Steward Healthc Epidemiol* 2022; 2:e27.

Sumer J, Schlegel M, Vernazza P, Seneghini M, Nigg S, Risch L, Mueller N, Kahlert C, Flury D, Kohler P. Safety Evaluation of a Medical Congress Held During the COVID-19 Pandemic-A Prospective Cohort. *Int J Public Health* 2022; 67:1604147.

Bellini C, Eder M, Senn L, Sommerstein R, Vuichard-Gysin D, Schmiedel Y, Schlegel M, Harbarth S, Troillet N. Providing care to patients in contact isolation: is the systematic use of gloves still indicated?. *Swiss Med Wkly* 2022; 152:w30110.

Haller S, Vuichard-Gysin D, Wiggli B, Besold U, Kuster S, McGeer A, Risch L, Schlegel M, Friedl A, Vernazza P, Kahlert C, Stocker R, Rütli M, Güsewell S, Egger T, Scanferla G, Thoma R, Leal-Neto O, Flury D, Brucher A, Lemmenmeier E, Möller J, Rieder P, Kohler P. Impact of respirator versus surgical masks on SARS-CoV-2 acquisition in healthcare workers: a prospective multicentre cohort. *Antimicrob Resist Infect Control* 2022; 11:27.

Vuichard-Gysin D, Sommerstein R, Kronenberg A, Buetti N, Eder M, Piezzi V, Gardiol C, Schlegel M, Harbarth S, Widmer A. High adherence to national IPC guidelines as key to sustainable VRE control in Swiss hospitals: a cross-sectional survey. *Antimicrob Resist Infect Control* 2022; 11:19.

Thoma R, Seneghini M, Seiffert S, Vuichard Gysin D, Scanferla G, Haller S, Flury D, Boggian K, Kleger G, Filipovic M, Nolte O, Schlegel M, Kohler P. The challenge of preventing and containing outbreaks of multidrug-resistant organisms and *Candida auris* during the coronavirus disease 2019 pandemic: report of a carbapenem-resistant *Acinetobacter baumannii* outbreak and a systematic review of the literature. *Antimicrob Resist Infect Control* 2022; 11:12.

Leal-Neto O, Kahlert C, Vernazza P, Kuster S, Babouee Flury B, Albrich W, Sumer J, Flury D, Schlegel M, Egger T, Kohler P. Digital SARS-CoV-2 Detection Among Hospital Employees: Participatory Surveillance Study. *JMIR Public Health Surveill* 2021; 7:e33576.

Barnsteiner S, Kohler P, Kronenberg A, Schlegel M, Plüss-Suard C, Gasser M, Babouee Flury B, Albrich W, Baty F, Swiss Centre for Antibiotic Resistance (ANRESIS). Antimicrobial resistance and antibiotic consumption in intensive care units, Switzerland, 2009 to 2018. *Euro Surveill* 2021; 26

Kohler P, Wiggli B, Besold U, Kuster S, McGeer A, Risch L, Friedl A, Schlegel M, Vernazza P, Vuichard-Gysin D, Stocker R, Ruetti M, Güsewell S, Seneghini M, Egger T, Leal O, Brucher A, Lemmenmeier E, Möller J, Rieder P, Kahlert C. Impact of baseline SARS-CoV-2 antibody status on syndromic surveillance and the risk of subsequent COVID-19—a prospective multicenter cohort study. *BMC Med* 2021; 19:270.

Héquet D, Petignat C, Schlegel M, Münzer T, Gardiol C, Qalla-Widmer L, Lemmenmeier E, Rettenmund G, Kessler S, Kohler P. Healthcare-associated infections and antibiotic use in long-term care residents from two geographical regions in Switzerland. *J Hosp Infect* 2021; 117:172-178.

Kohler P, Egli A, Petignat C, Schlegel M, Münzer T, Harbarth S, Gardiol C, Babouee Flury B, Albrich W, Seth-Smith H, Nolte O, Qalla Widmer L, Lemmenmeier E, Rettenmund G, Kessler S, Seiffert S, Héquet D. Molecular Epidemiology and Risk Factors for Extended-Spectrum  $\beta$ -Lactamase-Producing Enterobacterales in Long-Term Care Residents. *J Am Med Dir Assoc* 2021

Metsini A, Sommerstein R, Harbarth S, Marschall J, Schlegel M, Maag J, Eder M, Vuichard-Gysin D, Gardiol C, Zingg W, Widmer A, The Swissnoso Network. Evaluation of existing and desired measures to monitor, prevent and control healthcare-associated infections in Swiss hospitals. *Swiss Med Wkly* 2021; 151:w20516.

Kahlert C, Albrich W, Babouee Flury B, Besold U, Fehr J, Kuster S, McGeer A, Risch L, Schlegel M, Friedl A, Vernazza P, Wiggli B, Vuichard-Gysin D, Stocker R, Persi R, Güsewell S, Egger T, Leal-Neto O, Sumer J, Flury D, Brucher A, Lemmenmeier E, Möller J, Rieder P, Kohler P. Non-occupational and occupational factors associated with specific SARS-CoV-2 antibodies among hospital workers - A multicentre cross-sectional study. *Clin Microbiol Infect* 2021; 27:1336-1344.

Sieber P, Vernazza P, Sieber R, Schlegel M, Gardiol C, Boggian K, Albrich W, Güsewell S, Flury D, Kohler P. Characteristics of patients with Coronavirus Disease 2019 (COVID-19) and seasonal influenza at time of hospital admission: a single center comparative study. *BMC Infect Dis* 2021; 21:271.

Kohler P, Schlegel M, Risch L, Kuster S, McGeer A, Babouee Flury B, Albrich W, Notter J, Leal-Neto O, Güsewell S, Flury D, Sumer J, Kahlert C, Vernazza P. Prevalence of SARS-CoV-2 antibodies among Swiss hospital workers: Results of a prospective cohort study. *Infect Control Hosp Epidemiol* 2020; 42:604-608.

Fulchini R, Albrich W, Kronenberg A, Egli A, Kahlert C, Schlegel M, Kohler P. Antibiotic-resistant pathogens in different patient settings and identification of surveillance gaps in Switzerland - a systematic review. *Epidemiol Infect* 2019; 147:e259.

Seth-Smith H, Marschall J, Keller P, Widmer A, Schlegel M, Dubuis O, Lang C, Lienhard R, Führer U, Droz S, Blanc D, Abdelbary M, Meinel D, Sommerstein R, Casanova C, Egli A. Phenotypic and Genomic Analyses of *Burkholderia stabilis* Clinical Contamination, Switzerland. *Emerging Infect Dis* 2019; 25:1084-1092.

Kohler P, Schlegel M, Petignat C, Kuster S, Kahlert C, Héquet D, Harbarth S, Balmelli C, Egli A, Albrich W, Fulchini R, Kronenberg A. Antibiotic resistance in Swiss nursing homes: analysis of National Surveillance Data over an 11-year period between 2007 and 2017. *Antimicrob Resist Infect Control* 2018; 7:88.

Fulchini R, Kohler P, Kahlert C, Albrich W, Kuhn R, Hoffmann M, Schlegel M. Hand hygiene adherence in relation to influenza season during 6 consecutive years. *Am J Infect Control* 2018

Strahm C, Albrich W, Zdravkovic V, Schöbi B, Hildebrandt G, Schlegel M. Infection Rate after Cranial Neurosurgical Procedures: A Prospective Single-Center Study. *World Neurosurg* 2017

Leimmenmeier E, Kohler P, Bruderer T, Goldenberger D, Kleger G, Schlegel M. First documented outbreak of KPC-2-producing *Klebsiella pneumoniae* in Switzerland: infection control measures and clinical management. *Infection* 2014; 42:529-34.

Kohler P, Bregenzer-Witteck A, Rettenmund G, Otterbech S, Schlegel M. MRSA decolonization: success rate, risk factors for failure and optimal duration of follow-up. *Infection* 2012; 41:33-40.

Witteck A, Rettenmund G, Schlegel M. MRSA admission screening in a low prevalence setting - much ado about nothing?. *Swiss Med Wkly* 2011; 141:w13217.

Schlegel M, Hoffmann M. Porträt einer 1-jährigen Pandemie: "Schwein gehabt"?. *Swiss Medical Forum* 2010; 10:540-544.

Hoffmann M, Schlegel M, Vernazza P. Pandemische Influenza A(H1N1)v 2009 - wir sind gewappnet. *Swiss Med Forum* 2009; 9:582-585.

Templeton A, Schlegel M, Fleisch F, Rettenmund G, Schöbi B, Henz S, Eich G. Multilumen central venous catheters increase risk for catheter-related bloodstream infection: prospective surveillance study. *Infection* 2008; 36:322-7.

Elzi L, Furrer H, Rickenbach M, Bernasconi E, Schmid P, Cavassini M, Hirschel B, Weber R, Schlegel M, Swiss HIV Cohort Study. Reducing tuberculosis incidence by tuberculin skin testing, preventive treatment, and antiretroviral therapy in an area of low tuberculosis transmission. *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America* 2007; 44:94-102.

Schlegel M, Hörler R, Maier M, Rickli H. Malfunction of a unipolar pacemaker system following development of marked subcutaneous emphysema. *Schweizerische medizinische Wochenschrift* 2000; 130:1845-7.

Schlegel M, Osterwalder J, Galeazzi R, Vernazza P. Comparative efficacy of three mumps vaccines during disease outbreak in Eastern Switzerland: cohort study. *BMJ (Clinical research ed.)* 1999; 319:352.

## Projects (0)

No results found.

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