

Appendix 8.7 Characteristics of published literature in the various settings and target groups (Review 1)

First authors & year of publication	Title	Swiss region	Settings	Target groups / Participants	Instrument used	Sample size
Auer et al., 2014	How hospital leaders contribute to patient safety through the development of trust	German-, French- and Italian-speaking	Hospitals	Nurses	Survey	1'633 participants
Ausserhofer et al., 2012	Nurse-reported patient safety climate in Swiss hospitals: a descriptive-explorative substudy of the Swiss RN4CAST study	German-, French- and Italian-speaking	Hospitals	Nurses	Survey	1'633 participants
Ausserhofer et al., 2012	Die Bestimmung der Inhalts-validität anhand des Content Validity Index (Providing evidence based on content through the use of the Content Validity Index on a safety culture in hospital measure)	German-speaking (and Germany)	Hospitals	Nurses, physicians	Survey	25 participants
Ausserhofer et al., 2012	The association of patient safety climate and nurse related organizational factors with selected patient outcomes: a cross-sectional survey	German-, French- and Italian-speaking	Hospitals	Nurses and patients	Survey	2627 participants
Ausserhofer et al., 2013	Validity and reliability on three European language versions of the Safety Organizing Scale	German-, French- and Italian-speaking	Hospitals	Nurses and patients	Survey	2627 participants
Ausserhofer et Gehri, 2015	Qualitäts- und Praxisentwicklung in Schweizer Akutspitälern durch Studienergebnisse – Eine Follow-up Befragung von PflegedirektorInnen der RN4Cast Spitäler	German-, French- and Italian-speaking	Hospitals	Nursing supervisors	Survey	35 participants
Bezzola, 2011	Sécurité de la chirurgie en Suisse	German-, French- and Italian-speaking	Hospitals	NA ⁱ	NA	NA
Briner et al., 2010	Assessing hospitals' clinical risk management: development of a monitoring instrument	German-, French- and Italian-speaking	Hospitals	Practicians Clinical Risk Management (CRM)	Survey	138 participants and 25 participants
Briner et Manser, 2013	Clinical risk management in mental health: a qualitative study of main risks and related organizational management practices	NA	Psychiatric hospitals	Professionals responsible for Clinical Risk Management (CRM) in mental health care	Interview, FG ⁱⁱⁱ	11 participants and one FG
Conen, 2011	Measures to improve patient safety	German-speaking	Hospitals	Healthcare workers	NA	NA
Cullati et al., 2013	Is the Surgical Safety Checklist successfully conducted? An observational study of social	French-speaking (HUG)	Hospitals	Surgeons and anaesthetists	Survey	161 participants

	interactions in the operating rooms of a tertiary hospital					
Cullati et al., 2014	Implementation of the Surgical Safety Checklist in Switzerland and perceptions of its benefits: cross-sectional survey	German- and French-speaking	Hospitals	Physicians and anaesthetists	Survey	152 participants
Cullati et al., 2018	Is team-based perception of safety in the operating room associated with self-reported wrong-site surgery? An exploratory cross-sectional survey among physicians	German-, French and Italian-speaking	Hospitals	Physicians	Survey	190 participants
Cullati et al., 2023	When illegitimate tasks threaten patient safety culture: a cross-sectional survey in a tertiary hospital	French-speaking (HUG) ^[iiii]	Hospitals	Healthcare workers	Survey	2478 participants
Ederer et al., 2019	Midwives' perception of patient safety culture - A qualitative study	German-speaking, and Austria, Germany	Hospitals and freelance midwives	Midwives	Interview	14 participants
Eisold et Heller, 2016	Risk management in anesthesia and intensive care	German-speaking, Germany	Hospitals	Healthcare workers	NA	NA
Elfering et al., 2006	Work stress and patient safety: Observer-rated work stressors as predictors of characteristics of safety-related events reported by young nurses	German-speaking	Hospitals	Nurses	Observation	23 participants
Fridrich et al., 2022	A quality improvement initiative using peer audit and feedback to improve compliance	German-, French- and Italian-speaking	Hospitals	Surgeons and anaesthetists	Observation	715 participants
Gambashidze et al., 2021	Influence of gender, profession, and managerial function on clinicians perceptions of patient safety culture: a cross-national cross-sectional study	German-speaking (and Germany)	Hospitals	Nurses, physicians	Survey	1786 participants
Gehri et al., 2021	Matching registered nurse services with changing care demands in psychiatric hospitals: protocol for a multicenter observational study (MatchRN psychiatry study)	German-speaking	Psychiatric hospitals	Nurses and healthcare assistants	Observation	1300 participants
Gehring and Schwappach, 2012	Patient safety in primary care - a study in Swiss general practices	German-speaking	Primary care offices	Physicians and medical practice assistants	Survey	630 participants
Gehring et Schwappach, 2014	Patient safety in general practice	German-speaking	Primary care offices	Physicians and medical practice assistants	Survey, interview, FG	630 participants, 15 participants, NA FGs
Gehring et al, 2013	Safety climate and its association with office type and team involvement in primary care	German-speaking	Primary care offices	Nurses, physicians	Survey	1254 participants
Gehring et al., 2015	Safety climate in Swiss hospital units: Swiss version of the Safety Climate Survey	German- and French-speaking	Hospitals	Nurses, physicians	Survey	1845 participants

Guillod, 2013	Medical error disclosure and patient safety: legal aspects	NA	NA	National legal orders	Article	NA
Haller et al., 2008	Effect of crew resource management training in a multidisciplinary obstetrical setting	French-speaking (HUG)	Hospitals	Midwives, nurses, physicians and technicians in anaesthesia, obstetrics and paediatrics	Survey	239 participants
Heckemann et al., 2019	Patient and visitor aggression in healthcare: A survey exploring organisational safety culture and team efficacy	German-speaking, and Austria, Germany	Hospitals and psychiatric hospitals	Nurse managers	Survey	446 participants
Heckemann et al., 2020	Team efficacy and leadership in managing aggressive situations in the general hospital setting: A qualitative descriptive analysis of focus groups with ward managers	German-speaking	Hospitals	Ward managers	Focus groups	5 FGs
Jossen et al., 2019	Assessment of the safety climate in outpatient diagnostic services: Development and psychometric evaluation of a questionnaire	German-speaking	Imagery clinic	Imaging workers	Survey	103 participants
Kaderli et al., 2013	Reasons for the persistence of adverse events in the era of safer surgery - a qualitative approach	NA	Clinics and hospitals	Clinic directors	Survey	237 participants
Klimmeck et al., 2021	Changes in safety and teamwork climate after adding structured observations to patient safety walkround	German-speaking	Hospitals	Nurses, physicians	Survey	810 participants
Klingberg et al., 2018	Bad manners in the Emergency Department: Incivility among doctors	German-speaking (Bern)	Hospitals	Physicians	Survey	50 participants
Mankaka et al., 2014	Female residents experiencing medical errors in general internal medicine: a qualitative study	French-speaking (Lausanne)	Hospitals	Physicians	Interview	8 participants
Mascherek et al., 2016	Effect of a two-year national quality improvement program on surgical checklist implementation	German- and French-speaking	Hospitals	Healthcare workers	Survey	525 participants
Mascherek et al., 2017	Patient safety climate profiles across time: Strength and level of safety climate associated with a quality improvement program in Switzerland - A cross-sectional survey study	German- and French-speaking	Hospitals	Healthcare workers	Survey	1193 participants
Niederhauser et Schwappach, 2021	Speaking up or remaining silent about patient safety concerns in rehabilitation: A cross-sectional survey to assess staff experiences and perceptions	NA	Clinics	Healthcare workers	Survey	471 participants
Perneger et al., 2013	Internal consistency, factor structure and construct validity of the Frend version of the Hospital Survey on Patient Safety Culture	French-speaking	Hospitals	Healthcare workers	Survey	1171 participants

Pfeiffer et al., 2013	Motivational antecedents of incident reporting: evidence from a survey of nurses and physicians	German-, French- and Italian-speaking	Hospitals	Nurses, physicians	Survey	818 participants
Pfeiffer et al., 2023	Preventing surgical site infections are safety climate level and its strength associated with self-reported commitment to, subjective norms toward, and knowledge about preventive measures	German-, French- and Italian-speaking	Hospitals	Healthcare workers	Survey	2769 participants
Pfeiffer et al., 2023	Are cross-sectional safety climate survey results in operating room staff associated with the surgical site infection rates in Swiss hospitals?	German-, French- and Italian-speaking	Hospitals	Healthcare workers	Survey	2769 participants
Richard et al., 2021	Development and psychometric evaluation of the Speaking-up about Patient Safety questionnaire	German-speaking	Hospitals	Nurses, physicians	Survey	523 participants
Ricklin et al., 2019	Patient safety culture in a university hospital emergency department in Switzerland - a survey study	German-speaking (Bern)	Hospitals	Nurses, physicians	Survey	140 participants
Schubert et al., 2013	Levels and correlates of implicit rationing of nursing care in Swiss acute care hospitals - A cross sectional study	German-, French- and Italian-speaking	Hospitals	Nurses	Survey	1633 participants
Schwappach & Gehring, 2014	Trade-offs between voice and silence: a qualitative exploration of oncology staff's decisions to speak up about safety concerns	German-, French- and Italian-speaking	Hospitals	Nurses, physicians	Interviews	32 participants
Schwappach et al., 2011	New perspectives on well-known issues': Patients' experiences and perceptions of safety in Swiss hospitals	NA	Hospitals	Patients	Survey	3'983 participants, 2 workshops, semi-structured participants
Schwappach et al., 2011	Patients' and healthcare workers' perceptions of a patient safety advisory	NA	Hospitals	Patients	Survey	1328 participants
Schwappach et Niederhauser, 2019	Speaking up about patient safety in psychiatric hospitals - a cross-sectional survey study among healthcare staff	German-speaking	Psychiatric hospitals	Healthcare workers	Survey	817 participants
Schwappach et Pfeiffer, 2023	Root causes and preventability of unintentionally retained foreign objects after surgery: a national expert survey from Switzerland	NA	Hospitals	perioperative and surgical associations, quality of care organizations, cantonal health administration, hospital associations, large hospitals' clinical risk managers and patients' advocacy groups	Interview	21 participants
Schwappach et Richard, 2018	Speak up-related climate and its association with healthcare workers' speaking up and withholding voice behaviours: a cross-sectional survey in Switzerland	German-, French- and Italian-speaking	Hospitals	Nurses, physicians	Survey	979 participants

Schwappach et Wernli, 2010	Am I (un)safe here? Chemotherapy patients' perspectives towards engaging in their safety	German-speaking	Hospitals	Patients	Interview	30 participants
Schwappach, 2016	When silence is dangerous: "Speaking-up" about safety concerns	German-speaking	Hospitals	Healthcare workers	Survey	700 participants
Schwendimann et al., 2012	Variation in safety culture dimensions within and between US and Swiss Hospital Units: an exploratory study	German-, French- and Italian-speaking (and USA)	Hospitals	Healthcare workers	Survey	1370 participants
Schwendimann et al., 2013	Swiss Nursing Homes Human Resources Project (SHURP): Protocol of an observational study	German-, French- and Italian-speaking	Nursing homes	Nurses	Survey	6'600 participants
Schwendimann et al., 2016	Factors associated with high job satisfaction among care workers in Swiss nursing homes – a cross-sectional survey study.	German-, French- and Italian-speaking	Nursing homes	Nurses	Survey	4'145 participants
Schwendimann et al., 2019	Adherence to the WHO surgical safety checklist: an observational study in a Swiss academic center	German-speaking (Basel)	Hospitals	Surgeons, anaesthesiologists	Interviews	11 participants
Seppay et al., 2020	Compliance to the Surgical Safety Checklist over time in late and early adopters	NA	Hospital	Study of checklists (no patient participation)	NA	824 participants
Staines et al., 2020	Impact of TeamsSTEPPS on patient safety culture in a Swiss maternity ward	French-speaking (Riviera-Chablais)	Hospitals	Nurses, physicians	Survey	90 participants
Stocker et al., 2021	What are the participant' perspective and the system-based impact of a standardized. inter-professionnal morbidity/mortality-conferences in a children's hospital?	German-speaking (Lucerne)	Hospitals	Nursing staff, physicians, midwives, health-care co-workers and medical students	Observation	466 participants
Stühlinger et al., 2019	I hear you, but do I understand? The relationship of a shared professionnal language with quality of care and job satisfaction	German- and French-speaking	Clinics	Healthcare workers	Survey	197 participants
Valentin et al., 2013	Safety climate reduces medication and dislodgement errors in routine intensive care practice	NA	Hospitals	Patients	Observation, survey	795 participants
Walther et al., 2022	The impact of a 22-month multistep implementation program on Speaking-up behavior in an academic anesthesia department	German-speaking (Baden)	Hospital	Nurses, physicians, anaesthetists	Survey	117 participants
Wangler et al., 2013	How do chiropractors manage clinical risk? A questionnaire study	German-, French- and Italian-speaking (and UK)	Practice	Chiropractors	Survey	1518 participants
Zaugg et Wangler, 2009	A model framework for patient safety training in chiropractic: a literature synthesis	NA	Chiropractors	NA	Review	

Zimmermann et al., 2013	Assessing the safety attitudes questionnaire (SAQ), German language version in Swiss university hospitals - a validation study	German-speaking	Hospitals	Nurses, physicians	Survey	319 participants
Zúñiga et al., 2013	Psychometric properties of the Swiss version of the Nursing Home Survey on Patient Safety Culture	German-speaking	Nursing homes	Nurses and supervisors	Survey	367 participants
Zúñiga et al., 2015	Are staffing, work environment, work stressors, and rationing of care related to care workers' perception of quality of care? A cross-sectional study	German-, French- and Italian-speaking	Nursing homes	Nurses	Survey	4'311 participants
Zúñiga et al., 2015	The relationship of staffing and work environment with implicit rationing of nursing care in Swiss nursing homes – a cross-sectional study	German-, French- and Italian-speaking	Nursing homes	Nurses	Survey	4'307 participants

Note: (i) NA = Not applicable, (ii) FG=Focus group(s)

