

Citation	Study year	Study purpose	Coded purpose	Methods	Survey?	Survey name	Interviews?	Focus groups?	Organisation al data and	Observation?	Framework?
Aaberg, O. R., R. Ballangrud, S. I. E. Husebø and M. L. Hall-Lord (2019). "An interprofessional team training"	2019	The aim of this study was to explore if an interprofessional team	4. Evaluation of an intervention	Quantitative	Yes	HSOPS					
Abbas HAE, Bassiuni NA, Baddar FM. Perception of front-line healthcare providers toward patient safety:	2008	The current study targeted the perceptions of front-line healthcare	1. Descriptive or exploratory assess	Quantitative	Yes	SCSu					
Abdallah, W., C. Johnson, C. Nitzl and M. A. Mohammed (2019). "Organizational learning and patient safety"	2019	The purpose of this paper is to explore the relationship between	1. Descriptive or exploratory assess	Quantitative	Yes	Survey on Patient Safety Culture					
Abdi Z, Delgoshahi B, Ravaghi H, Abbasi M, Heyrani A. The culture of patient safety in an Iranian intensive	2015	To explore nurses' and physicians' attitudes and perceptions relev	1. Descriptive or exploratory assess	Mixed methods	Yes	SAQ	Yes				
Abdou HA, Sabe KM. A baseline assessment of patient safety culture among nurses at Student University I	2011	to assess patient safety culture among nurses at Student Universi	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Aboshaiqah AE, Baker OG. Assessment of nurses' perceptions of patient safety culture in a Saudi Arabia ho	2013	The purpose of this study was to identify factors that nurses perc	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Abou Hashish EA, El-Bialy GG. Nurses' Perceptions of Safety Climate and Barriers to Report Medication Err	2013	to assess nurses' perceptions of safety climate and barriers to rep	1. Descriptive or exploratory assess	Quantitative	Yes	ate scale (Blegen et al., 2005)					
Aboul-Fotouh AM, Ismail NA, Ez Elarab HS, Wassif GO. Assessment of patient safety culture among healthc	2012	assessed healthcare providers' perceptions of patient safety cultu	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Abrahamson K, Hass Z, Morgan K, Fulton B, Ramanujam R. The Relationship Between Nurse-Reported Safe	2016	The purpose of this study was to better understand the relationsh	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Abrahamson, K., F. Rong, K. Pressler, B. R. Fulton, K. H. Morgan and J. G. Anderson (2018). "Organizational	2018	This article examines the impact of organizational role on percept	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Abtoss KM, Shaw BE, Owens TA, Juno JL, Commiskey EL, Niedner MF. Increasing medication error reporti	2011	This study analyses patterns in reporting rates of medication erro	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
AbuAlRub RF, Abu AlHijaa EH. The impact of educational interventions on enhancing perceptions of patient	2014	The purpose of this study was to examine the impact of patient sa	4. Evaluation of an intervention	Quantitative	Yes	HSOPS					
AbuAlRub RF, Gharaibeh HF, Bashayreh AEI. The Relationships Between Safety Climate, Teamwork, and Int	2012	to examine the relationships among safety climate, teamwork, an	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Abu-El-Noor NI, Hamdan MA, Abu-El-Noor MK, Radwan A-KS, Alshaer AA. Safety Culture in Neonatal Inten	2017	to assess the safety culture in the neonatal intensive care units (N	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Abu-El-Noor, N. I., M. K. Abu-El-Noor, Y. Z. Abuowda, M. Alfaqawi and B. Böttcher (2019). "Patient safety	2019	This study aimed to assess attitudes of nurses working in governm	1. Descriptive or exploratory assess	Quantitative	Yes	estionnaire III (APSQ III) (Carruthers et al., 2009)					
Abuosi, A. A., A. Akologe and E. A. Anaba (2020). "Determinants of patient safety culture among healthc	2020	To find out the determinants of patient safety culture among heal	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Adibi H, Khalesi N, Ravaghi H, Jafari M, Jeddian AR. Development of an effective risk management syst	2012	The aim of this study was to develop and implement a risk manag	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Agnew C, Flin R, Mearns K. Patient safety climate and worker safety behaviours in acute hospitals in Scotla	2013	to obtain a measure of hospital safety climate from a sample of N	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Ahmed M, Arora S, Baker P, Hayden J, Vincent C, Sevdalis N. Building capacity and capability for patient sa	2013	To develop, implement and evaluate a training programme for ses	4. Evaluation of an intervention	Quantitative	Yes	nts' Patient Safety Questionnaire					
Ahmed, S. M., N. Fekry and F. A. Abed (2018). "Assessment of safety climate among nurses at selected hos	2018	This study aimed to assess the safety climate among staff nurses	1. Descriptive or exploratory assess	Quantitative	Yes	te Survey (Ahmed et al. 2018)					
Al Faqeeh, F., K. Khalid and A. Osman (2019). "Integrating safety attitudes and safety stressors into safety	2019	How safety climates, safety attitudes, and safety behaviors are re	2. Testing relationships among vari	Quantitative	Yes	l Faqeeh et al. 2019					
Al Ma'mari, Q., L. A. Sharour and O. A. Omari (2019). "Predictors of perceptions of patient safety culture a	2019	Predictors of perceptions of patient safety culture and frequency	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Al Nadabi, W., M. Faisal and M. A. Mohammed (2019). "Patient safety culture in Oman: A national study."	2019	This study aims to measure patient safety culture across maternit	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Al Salem, G., P. Bowie and J. Morrison (2019). "Hospital Survey on Patient Safety Culture: psychometric ev	2019	This study aims to investigate the psychometric properties of the	3. Methodological focus	Quantitative	Yes	HSOPS					
Alahmadi HA. Assessment of patient safety culture in Saudi Arabian hospitals. Quality & safety in health ca	2010	The purpose of this study to evaluate the extent to which the cult	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Al-Ahmadi TA. Measuring Patient Safety Culture in Riyadh's Hospitals: A Comparison between Public and P	2009	The aim of this research was to explore the perceptions of Riyadh	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Al-Awa B, Al Mazrooa A, Rayes O, et al. Benchmarking the post-accreditation patient safety culture at King	2012	The objective of this study was to perform an unbiased assessme	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Alayed AS, Loof H, Johansson UB. Saudi Arabian ICU safety culture and nurses' attitudes. International jo	2014	The purpose of this paper is to examine nurses' attitudes towards	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Al-Babtain B, Aljadhey H, Mahmoud MA, Alqaeei S, Ahmed Y. Culture of safety among nurses in a tertiary	2016	To assess the culture of safety among nurses in a tertiary teachi	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Alemdar, D. K. and G. Yilmaz (2020). "Evaluation of the Relationship Between the Patient Safety Culture an	2020	This study was conducted descriptively so as to determine the rel	2. Testing relationships among vari	Quantitative	Yes	re Scale (PSCS) by Turkmen et al. 2011					
Alenez, A., R. P. M. Pandaan, J. U. Almazan, I. N. Pandaan, F. S. Casison and J. P. Cruz (2019). "Clinical prac	2019	To assess the perceptions of clinical practitioners regarding the di	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alex Kim, R. J., Z. H. Chin, P. Sharlyn, B. Priscilla and S. Josephine (2019). "Hospital survey on patient safety	2019	The purpose of this study is to assess the views and perceptions o	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alharbi, W., J. Cleland and Z. Morrison (2018). "Assessment of Patient Safety Culture in an Adult Oncology	2018	We sought to evaluate patient safety culture across diferent heal	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Ali, H., S. Z. Ibrahim, B. Al Mudaf, T. Al Fadal, D. Jamal and F. El-Jardali (2018). "Baseline assessment of	2018	The article analysis patient safety culture in public hospitals in Ku	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Aljabri, D., A. Vaughn, M. Austin, L. White, Z. Li, J. Naessens and A. Spaulding (2020). "An Investigation of	2020	The purpose of this study was to evaluate the number of work inj	2. Testing relationships among vari	Quantitative	Yes	Mercer 2019					
Allard J, Bleakley A, Hobbs A, Coombes L. Pre-surgery briefings and safety climate in the operating theatre	2011	To investigate whether exposure to pre-surgery briefings is relat	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
Allen S, Chiarella M, Homer CS. Lessons learned from measuring safety culture: an Australian case study. M	2010	This paper reports a case study examining the safety culture in on	1. Descriptive or exploratory assess	Mixed methods	Yes	Multiple - SAQ, SCS	Yes		Yes		
Al-Mandhari A, Al-Zakwani I, Al-Kindi M, Tawilah J, Dorvlo AS, Al-Adawi S. Patient safety culture assessmen	2014	To illustrate the patient safety culture in Oman as gleaned via 12	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Al-Mugheed, K. and N. Bayraktar (2020). "Patient safety attitudes among critical care nurses: A case study	2020	this study aimed to examine patient safety attitudes among critica	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Almutairi AF, Gardner G, McCarthy A. Perceptions of clinical safety climate of the multicultural nursing wo	2013	The purpose of this study is to explore the safety climate percepti	1. Descriptive or exploratory assess	Quantitative	Yes	SCSu					
Al-Nawafleh A, Abu-Helalah MA, Hill V, Masoud MI, Al-Mahasneh HA, Salti ETAl. Patient Safety Culture in I	2016	he purpose of this study is to validate an Arabic version of the Hos	3. Methodological focus	Quantitative	Yes	HSOPS					
Alonazi NA, Alonazi AA, Saeed E, Mohamed S. The perception of safety culture among nurses in a tertiary	2016	the aim of this study is to explore perceptions of patient safety an	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alqattan, H., J. Cleland and Z. Morrison (2018). "An evaluation of patient safety culture in a secondary care	2018	This study carried out an initial evaluation of the patient safety cu	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alquwez, N., J. P. Cruz, A. M. Almoghairi, R. S. Al-otaibi, K. O. Almutairi, J. G. Alicante and P. C. Colet (2018)	2018	To assess the present patient safety culture of three general hosp	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alrowley, Z. and O. Ghazi Baker (2019). "Assessing Building Blocks for Patient Safety Culture-a Quantitati	2019	The study analyzes staffs' perception of a safety culture and their	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alshammari, F., E. Pasay-an, M. Albolteeh, M. H. Alshammari, T. Susanto, S. Villareal, M. C. L. Indonto and	2019	The present study investigates the perceptions of healthcare prof	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alshammari, M. H. (2019). "Patient safety culture of nurses in public and private hospitals in northwestern	2019	This study determined the patient safety cultures of nurses in pub	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Alves DF, Guairadello EB. Safety climate, emotional exhaustion and job satisfaction among Brazilian paedia	2016	To assess the correlation and predictive effect of emotional exha	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Alves Gómes, M. D., A. M. de Souza Fontes, A. O. Soares Monteiro Silveira and G. Sadoyama (2019). "Pat	2019	The objective of this study was to evaluate the perception regard	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Alves, D. F. B., E. Lorenzini and A. C. B. Kolankiewicz (2020). "Patient safety climate in a Brazilian general h	2020	To measure patient safety climate and the associated	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Alzaharani, N., R. Jones and M. E. Abdel-Latif (2018). "Attitudes of doctors and nurses toward patient saf	2018	This study aims to investigate doctors' and nurses' attitudes towa	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Alzaharani, N., R. Jones and M. E. Abdel-Latif (2019). "Safety Attitudes among Doctors and Nurses in an Em	2019	To investigate doctors' and nurses' attitudes towards patient safe	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Ameryoun, A., A. H. Pakpour, M. Nikoobakht, M. Saffari, M. Yaseri, K. G. N. O'Garro and H. G. Koenig (2019)	2019	This study was conducted to determine whether a 1-day educatio	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
Amiri, M., Z. Khademan and R. Nikandish (2018). "The effect of nurse empowerment educational program	2018	The present study aimed to determine the effect of empowering	4. Evaluation of an intervention	Quantitative	Yes	HSOPS					
Ammouri A, Tallakh AK, Mullira JK, Geethakrishnan R, Al Kindi SN. Patient safety culture among nurses. In	2015	The purpose of this study was to investigate nurses' perceptions a	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Amponsah-Tawaih K, Adu MA. Work Pressure and Safety Behaviors among Health Workers in Ghana: The	2016	the aim of the study was to examine how pressure influence safet	2. Testing relationships among vari	Quantitative	Yes	ey (Griffin & Neal, 2000; Neal & Griffin, 2006)					
Anbari, Z., R. Jadidi, J. Nazari, S. Amini, S. Khosravi, M. S. Koushki and T. S. J. Arani (2019). "Workforce Perc	2019	This study aimed to assesses patient safety culture in Iran teachi	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					

Ansari, S. P., M. E. Rayfield, V. A. Wallis, J. E. Jardine, E. P. Morris and E. Prosser-Snellings (2019). "A Safety	2019	The aim of the study was to evaluate the impact of maternity-oriented	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Artino, M., M. Sanchez-Manzanares and A. Ortega (2020). "The hospital survey on patient safety culture in	2020	This study investigates the psychometric properties of the Hospital Safety Culture Survey (HSCS)	3. Methodological focus	Quantitative	Yes	HSOPS							
Armelino D, Quinn Griffin MT, Fitzpatrick JJ. Structural empowerment and patient safety culture among re	2010	The aim of the present study was to examine the relationship between	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Armstrong K, Laschinger H, Wong C. Workplace Empowerment and Magnet Hospital Characteristics as Pre	2009	This study tested a theoretical model derived from Kanter's theor	2. Testing relationships among vari	Quantitative	Yes	SCM							
Arnetz, J., L. E. Hamblin, S. Sudan and B. Arnetz (2018). "Organizational Determinants of Workplace Violence	2018	To identify organizational factors contributing to workplace violence	2. Testing relationships among vari	Quantitative	Yes	ation Climate (Kessler et al., 2008)							
Arrieta, A., G. Suárez, G. Hakim and G. Suárez (2018). "Assessment of patient safety culture in private and	2018	To assess the patient safety culture in Peruvian hospitals from the	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Auer C, Schwendimann R, Koch R, De Geest S, Ausserhofer D. How hospital leaders contribute to patient sa	2014	The aim of this study was to explore the associations between hospital	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Ausserhofer D, Schubert M, Desmedt M, Blegen MA, De Geest S, Schwendimann R. The association of patient	2013	The purpose of this study was to explore the relationship between	2. Testing relationships among vari	Quantitative	Yes	SOS							
Ausserhofer D, Schubert M, Engberg S, Blegen M, De G, Schwendimann R. Nurse-reported patient safety c	2012	We aimed (1) to describe the nurse-reported engagement in safety	1. Descriptive or exploratory assess	Quantitative	Yes	SOS							
Avramchuk, A. S. and S. J. J. McGuire (2018). "Patient Safety Culture: A Study of Southern California Health	2018	We developed and tested a short survey instrument intended as a	3. Methodological focus	Quantitative	Yes	nt Safety Culture Survey (Cal-PSCS)							
Azimi L, Bahadori M. The effect of safety culture education on improvement of managers' attitudes toward	2012	to measure attitudes of managers towards patients' safety before	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Babic, B., A. A. Volpe, S. Merola, E. Mauer, Y. Cozacov, C. Y. Ko, F. Michelassi and P. Saldinger (2018). "Sust	2018	Patient care perception was assessed using Safety Attitudes Ques	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Bagnasco A, Tibaldi L, Chirone P, et al. Patient safety culture: an Italian experience. Journal of clinical nursi	2011	To understand what level of awareness health professionals work	3. Methodological focus	Quantitative	Yes	HSOPS							
Bahar, S. and E. Önler (2020). "Turkish surgical nurses' attitudes related to patient safety: A questionnaire	2020	This research aimed to evaluate the patient safety attitudes of Tur	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Bahrami MA, Chahal M, Montazerifaraj R, Dehghani Tafti A. Iranian nurses' perception of patient safety c	2014	This study was aimed to survey patient safety culture in 2 Iranian	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Ballangrud R, Hedelin B, Hall-Lord ML. Nurses' perceptions of patient safety climate in intensive care units	2012	To investigate registered nurses' perceptions of the patient safety	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Barbosa MH, Floriano DR, Oliveira KFD, Nascimento KGD, Ferreira LA. PATIENT SAFETY CLIMATE AT A PRIVA	2016	Evaluate the patient safety climate from the perspective of the he	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Barbosa MH, Mendes Sousa E, Marques dos Santos Felix M, Faria Oliveira K, Barichello E. Patient safety cli	2015	The study's objective was to assess the safety climate from the pe	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Bartončíková, D., D. Kalánková, Z. Mikšová, K. Ziačková and L. Mazalová (2019). "Patient safety culture from	2019	to demonstrate a broader context in the assessment of patient sa	3. Methodological focus	Quantitative	Yes	HSOPS							
Bartončíková, D., D. Kalánková, Z. Mikšová, R. Kurucová, Š. Tomová and K. Ziačková (2019). "THE PSYCHOM	2019	To analyze the psychometric properties of the Hospital Survey on	3. Methodological focus	Quantitative	Yes	HSOPS							
Basson, T., A. Montoya, J. Neely, L. Harmon and B. V. Watts (2018). "Improving Patient Safety Culture: A Re	2018	The aim of the study was to improve the safety culture at a Veter	4. Evaluation of an intervention	Quantitative	Yes	Multiple - TSCS, HSOPS							
Basuni EM, Bayoumi MM. Improvement critical care patient safety: using nursing staff development strate	2015	aimed at using staff development strategies through implementin	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Beck, M. K., M. M. Loro, V. A. Casali Bandeira, C. R. Schmidt, S. D. Pai, L. R. Bandeira and A. C. Bernat Kolan	2018	This study aimed to measure the safety culture of the patient fro	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Benn J, Burnett S, Parand A, Pinto A, Vincent C. Factors predicting change in hospital safety climate and ca	2012	(1) To analyze change in a survey measure of organisational patie	4. Evaluation of an intervention	Quantitative	Yes	imate and Capability (SCC)							
Bennett PN, Ockerby C, Stinson J, Willcocks K, Chalmers C. Measuring hospital falls prevention safety clima	2014	The aim of this study was to measure the falls prevention safety c	1. Descriptive or exploratory assess	Quantitative	Yes	Safety Climate Survey (SCS)							
Benning A, Ghaleb M, Suokas A, et al. Large scale organisational intervention to improve patient safety in	2011	To conduct an independent evaluation of the first phase of the He	4. Evaluation of an intervention	Quantitative	Yes	NHS Staff Survey							
Benzer JK, Meterko M, Singer SJ. The patient safety climate in healthcare organizations (PSCHO) survey: SH	2017	to develop a 15- to 20-item safety climate survey based on the Pa	3. Methodological focus	Quantitative	Yes	PSCHO							
Berman, L, S. Rangel, A. Goldin, D. Skarda, M. Ottesen, D. Bliss, P. Valusek, M. Fallat, K. Tsao, A. Q. For the	2018	The purpose of this study was to characterize the attitudes and p	1. Descriptive or exploratory assess	Quantitative	Yes	Berman et al. 2018							
Berry JC, Davis JT, Bartman T, et al. Improved Safety Culture and Teamwork Climate Are Associated With	2016	to document such an association across an entire hospital system	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Bethune R, Canter R, Abrams P. What do surgical trainees think about patient safety culture, and is this dif	2012	This study surveyed both consultant and trainee views on perceiv	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Bilal, H. and H. Y. Sari (2020). "Relationship between burnout and patient safety attitudes in pediatric nurs	2020	to determine the relationship between the patient safety attitude	2. Testing relationships among vari	Quantitative	Yes	SAQ							
Birk K, Padjen L, Markič M. Adverse event reporting in Slovenia – The influence of safety culture, supervi	2016	The aim of this survey was to determine whether safety culture, s	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Birkmeyer NJ, Finks JF, Greenberg CK, et al. Safety culture and complications after bariatric surgery. Ann S	2013	To assess relationships between safety culture and complications	2. Testing relationships among vari	Quantitative	Yes	rk Meyer et al. 2013							
Bishop AC, Boyle TA. The Role of Safety Culture in Influencing Provider Perceptions of Patient Safety. Jour	2016	To determine how provider perceptions of safety culture influence	2. Testing relationships among vari	Quantitative	Yes	rk Meyer et al. 2013							
Black AA, Brauer SG, Bell RA, Economidis AJ, Haines TP. Insights into the climate of safety towards the pre	2011	To explore the climate of safety towards falls prevention among f	1. Descriptive or exploratory assess	Quantitative	Yes	PSCHO							
Blegen, M. A., Gearhart, S., O'Brien, R., Sehgal, N. L., & Aldredge, B. K. (2009). AHRQ's hospital survey on	2009	This project analyzed the psychometric properties of the Agency f	3. Methodological focus	Quantitative	Yes	HSOPS							
Blegen MA, Sehgal NL, Aldredge BK, Gearhart S, Auerbach AA, Wachter RM. Republished paper: Improving	2010	The goal of this project was to improve unit-based safety culture	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Boan DM, Nadzam D, Clapp JR, Jr. The Impact of Variance in Perception of the Organization on Capacity to	2012	analyzed the degree of agreement in perceptions of these four gr	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Bodur S, Filiz E. Validity and reliability of Turkish version of "Hospital Survey on Patient Safety Culture" and	2010	The aim of this study is threefold: to determine the validity and re	3. Methodological focus	Quantitative	Yes	HSOPS							
Bognár A, Barach P, Johnson JK, et al. Errors and the Burden of Errors: Attitudes, Perceptions, and the Cult	2008	We assessed the perceptions and attitudes of surgical teams relat	2. Testing relationships among vari	Quantitative	Yes	SAQ							
Borji M, Molavi S, Salimi E, Bastami Y. Studying Patient Safety Culture from the Viewpoint of Nurse in educ	2016	this article aims at studying the condition of patient safety culture	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Boughaba, A., S. Aberkane, Y.-O. Fourar and M. Djebabra (2019). "Study of safety culture in healthcare ins	2019	to measure safety culture dimensions in order to improve and pro	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Boussat, B., K. Kamalanavin and P. François (2018). "The contribution of open comments to understanding	2018	to analyze the qualitative data of the comments section of a Hosp	3. Methodological focus	Mixed methods	Yes	HSOPS	Yes						
Boyer KK, Gardner JW, Schweikhart S. Process quality improvement: An examination of general vs. outcom	2012	We empirically test a conceptual framework of safety culture that	2. Testing relationships among vari	Quantitative	Yes	Boyer et al. 2012							
Brabcova I, Bartlova S, Tothova V, Prokesova R. Selected aspects of "safety culture" in hospitals of the Cze	2015	GOAL OF THE SURVEY was to assess the safety culture with regard	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Braddock CH, 3rd, Szafarski N, Forsey L, Abel L, Hernandez-Boussard T, Morton J. The TRANSFORM Patien	2015	We aimed to evaluate the effects of a multifaceted, microsystem-	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Brandis, S., S. Schleimer and J. Rice (2019). "Pixie dust". Journal of Health Organization & Management	2019	to explore the concept of reflexivity and develop a model for mag	2. Testing relationships among vari	Quantitative	Yes	SOS							
Brasaitė I, Kaunonen M, Martinkėnas A, Mockienė V, Suominen T. Health care professionals' skills regarding	2016	to describe health care professionals' skills regarding patient safe	1. Descriptive or exploratory assess	Quantitative	Yes	Is and Knowledge (PS-AK, Schnell et al., 2008)							
Brasaitė I, Kaunonen M, Martinkėnas A, Suominen T. Health care professionals' attitudes regarding patient	2016	to describe health care professionals' attitudes regarding patient	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Braun BJ, Harris AD, Richards CL, et al. Does health care role and experience influence perception of safety	2013	examined the association between professional role and health ca	2. Testing relationships among vari	Quantitative	Yes	and Infection Prevention Assessment							
Brborovic H, Brborovic O, Brumen V, Pavlekovic G, Mustajbegovic J. Are nurse presenteeism and patient sa	2014	The aim of this cross-sectional study was to investigate whether n	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Brborovic H, Sklebar I, Brborovic O, Brumen V, Mustajbegovic J. Development of a Croatian version of the	2014	Our aim was to determine if all 12 dimensions of the US HSOPSCV	3. Methodological focus	Quantitative	Yes	HSOPS							
Brborović, O., H. Brborović, I. A. Nola and M. Milošević (2019). "Culture of blame—an ongoing burden for	2019	Our aim was to examine the prevalence and the impact of culture	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Bredesen IM, Bjoro K, Gunningberg L, Hofoss D. Patient and organisational variables associated with medi	2015	To investigate the association of ward-level differences in the odd	2. Testing relationships among vari	Quantitative	Yes	SAQ							
Bressers, G., I. Wallenburg, R. Stalmeijer, M. oude Egbrink and K. Lombarts (2020). "Patient safety in pedi	2020	This article draws on Habermas' distinction between 'lifeworld' an	1. Descriptive or exploratory assess	Qualitative			Yes		Yes		Yes	Yes	Yes
Brilli RJ, McCleard RE, Jr., Crandall WV, et al. A comprehensive patient safety program can significantly redu	2013	To evaluate the effectiveness of a hospital-wide initiative to impro	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Brown DS, Wolosin R. Safety culture relationships with hospital nursing sensitive metrics. Journal for health	2013	explored linkages between staff perceptions of safety culture (SC)	2. Testing relationships among vari	Quantitative	Yes	HSOPS							
Budin WC, Genaro S, O'Connor C, Contratti F. Sustainability of Improvements in Perinatal Teamwork and	2014	to describe changes in perinatal nurse (n = 70) and physician (n = 4	4. Evaluation of an intervention	Quantitative	Yes	nd Safety Climate Survey (TSCS)							
Bump GM, Calabria J, Gosman G, et al. Evaluating the Clinical Learning Environment: Resident and Fellow	2015	We sought to address the dearth of metrics that assess trainee pa	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							

Doram K, Chadwick W, Bokovoy J, Profit J, Sexton JD, Sexton JB. Got spirit? The spiritual climate scale, psy	2017	Our objective was to describe a novel survey scale for evaluating	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Dorigan, G. H. and E. B. Guirardello (2018). "Effect of the practice environment of nurses on job outcomes	2018	to propose and analyze a theoretical model to measure the effect	2. Testing relationships among vari	Quantitative	Yes	SAQ					
dos Santos Alves DF, da Silva D, Guirardello EB. Nursing practice environment, job outcomes and safety c	2017	To assess correlations between the characteristics of the nursing	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Durani P, Dias J, Singh HP, Taub N. Junior doctors and patient safety: evaluating knowledge, attitudes and	2013	The Junior Doctor-Patient Safety Attitudes and Climate Questionn	1. Descriptive or exploratory assess	Quantitative	Yes	afety Attitudes and Climate Questionnaire,					
Durgun, H. and H. Kaya (2018). "The attitudes of emergency department nurses towards patient safety." I	2018	This research was planned to identify the attitudes of emergency	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Dwyer, L., A. Smith, R. McDermott, C. Breatnach, A. El-Khuffash and J. D. Corcoran (2018). "Staff Attitudes	2018	There is little published research evaluating attitudes towards pat	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Edwards PJ, Scott T, Richardson P, et al. Using staff perceptions on patient safety as a tool for improving sa	2008	This article presents a case study highlighting a pediatric health ca	4. Evaluation of an intervention	Quantitative	Yes	HSOPS					
Edwards, M. T. (2018). "An Assessment of the Impact of Just Culture on Quality and Safety in US Hospitals	2018	In pursuit of high reliability, numerous organizations have promot	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Ege, Y., D. Kilic and E. Yildiz (2019). "Patient Safety Culture: Evaluating Turkish Nurses' Attitudes and Know	2019	The research was planned with the purpose to determine the per	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Eiras M, Escoval A, Grillo IM, Silva-Fortes C. The hospital survey on patient safety culture in Portuguese ho	2014	The study aims to determine the AHRQ Hospital Survey on Patien	3. Methodological focus	Quantitative	Yes	HSOPS					
Elder NC, Brungs SM, Nagy M, Kudel J, Render ML. Intensive care unit nurses' perceptions of safety after a	2008	To explore perceptions of patient safety among nursing staff in IC	1. Descriptive or exploratory assess	Mixed methods	Yes	HSOPS		Yes	Yes		
El-Jardali F, Dimassi H, Jamal D, Jaafar M, Hemadeh N. Predictors and outcomes of patient safety culture in	2010	assessed the culture of safety in Lebanese hospitals.	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
El-Jardali F, Jaafar M, Dimassi H, Jamal D, Hamdan R. The current state of patient safety culture in Lebanes	2010	The objective of this study is to conduct a baseline assessment of	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
El-Jardali F, Sheikh F, Garcia NA, Jamal D, Abdo A. Patient safety culture in a large teaching hospital in Riya	2014	this paper details the findings of a baseline assessment of the pat	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
El-Sherbiny, N. A., E. H. Ibrahim and W. Y. Abdel-Wahed (2020). "Assessment of patient safety culture am	2020	to assess patient safety culture among paramedical health emplo	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Elsous A, Akbari Sari A, Aljeesh Y, Radwan M. Nursing perceptions of patient safety climate in the Gaza Str	2017	This study was undertaken to assess the perception of nurses abo	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Elsous A, Akbarisari A, Rashidian A, Aljeesh Y, Radwan M, Zaydeh HA. Psychometric Properties of an Arabic	2017	This study was done to determine the reliability and validity of th	3. Methodological focus	Quantitative	Yes	SAQ					
Emanuela Fontenele Lima de Carvalho R, De Bortoli Cassiani SH. Cross-cultural adaptation of the Safety At	2012	The objective of this study was to perform a cross-cultural adapta	3. Methodological focus	Quantitative	Yes	SAQ					
Erestam S, Haglund E, Bock D, Andersson AE, Angenete E. Changes in safety climate and teamwork in the o	2017	to evaluate the safety climate in a Swedish operating room setting	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
Etcheagaray JM, Thomas EJ. Comparing two safety culture surveys: safety attitudes questionnaire and hosp	2012	to examine the reliability and predictive validity of two patient saf	3. Methodological focus	Quantitative	Yes	ultiple - SAQ, HSOPS					
Etcheagaray JM, Thomas EJ. Engaging Employees: The Importance of High-Performance Work Systems for	2015	To develop and test survey items that measure high-performance	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Fan CJ, Pawlik TM, Daniels T, et al. Association of Safety Culture with Surgical Site Infection Outcomes. Jou	2016	to evaluate the association between safety culture and surgical sit	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Farag A, Blegem M, Gedney-Lose A, Lose D, Perkhounkova Y. Voluntary Medication Error Reporting by ED	2017	The purpose of this study was to examine the relationship among	2. Testing relationships among vari	Quantitative	Yes	own - improper citation					
Farup PG. Are measurements of patient safety culture and adverse events valid and reliable? Results from	2015	explored associations between the patient safety culture and adv	3. Methodological focus	Quantitative	Yes	HSOPS					
Fassarella, C. S., F. G. Camerini, D. M. Henrique, L. F. Almeida and M. D. C. B. Figueiredo (2018). "Evaluatio	2018	To conduct a benchmarking comparison of the composites of pati	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Fassarella, C. S., L. D. da Silva, F. G. Camerini and M. D. C. Aguiar Barbieri Figueiredo (2019). "Nurse safety	2019	To evaluate nurse safety culture in a teaching hospital, as well as	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Feldman, S. S., S. Buchalter, D. Zink, D. J. Slovensky and L. W. Hayes (2019). "Training leaders for a culture	2019	The purpose of this paper is to understand the degree to which a	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
Feng X, Bobay K, Krejci JW, McCormick BL. Factors associated with nurses' perceptions of patient safety cu	2012	To explore nurses' perceptions of patient safety culture and facto	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Feng XQ, Acord L, Cheng YJ, Zeng JH, Song JP. The relationship between management safety commitment	2011	to explore the relationship between management safety commitme	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Fermo VC, Radunz V, da Rosa LM, Marinho MM. Patient safety culture in a bone marrow transplantation u	2015	evaluate the patient safety culture in the perspective of health p	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Fermo VC, Radunz V, Rosa LM, Marinho MM. Professional attitudes toward patient safety culture in a bon	2016	To identify the attitude of health professionals toward the patient	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Ferrer, M., R. Santa, A. Medhekar, E. Calvo and L. P. Molina-Sánchez (2018). "Drivers of hospital safety cult	2018	The objective of this study is to identify the elements that contrib	2. Testing relationships among vari	Quantitative	Yes	Ferrer et al. 2018					
Fontenele Lima de Carvalho RE, Arruda LP, Pinheiro do Nascimento NK, Sampaio RL, Nunes Cavalcante ML	2017	to assess the culture of safety in three public hospitals.	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Ford EW, Silveira GA, Kazley AS, Diana ML, Huerta TR. Assessing the relationship between patient safety cu	2016	the purpose of this paper is to explore the relationship between h	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
France DJ, Greedy RA, Jr., Liu X, et al. Measuring and Comparing Safety Climate in Intensive Care Units. Me	2010	To measure safety climate in intensive care units (ICU) owned by	3. Methodological focus	Quantitative	Yes	SAQ					
Frankel A, Grillo SP, Pittman M, et al. Revealing and resolving patient safety defects: the impact of leaders'	2008	to evaluate the impact of rigorous WalkRounds on frontline care	4. Evaluation of an intervention	Quantitative	Yes	SAQ					
Friganovic, A., S. Rezić, B. Kurtović, S. Vidmanic, R. Zelenikova, C. Rotim, V. Konjevoda, B. Rezek and S. Pisk	2020	To examine Croatian nurses' perception of implicit nursing care r	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Fujita S, Seto K, Ito S, Wu Y, Huang CC, Hasegawa T. The characteristics of patient safety culture in Japan,	2013	The aim of this study is to investigate the characteristics of PSC in	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Fujita S, Seto K, Kitazawa T, Matsumoto K, Hasegawa T. Characteristics of unit-level patient safety culture	2014	to clarify the characteristics of unit-level PSC in hospitals in Japan.	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Fujita, S., Y. Wu, S. Iida, Y. Nagai, Y. Shimamori and T. Hasegawa (2019). "Patient safety management syste	2019	This study aimed to identify hospital-level elements related to pat	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Gaber MA. Relationship among nurses' safety compliance, organizational safety climate, worker's variable	2013	to explore relationship among nurses' safety compliance, organiz	2. Testing relationships among vari	Quantitative	Yes	HSCS					
Gabrani A, Hoxha A, Simaku A, Gabrani JC. Application of the Safety Attitudes Questionnaire (SAQ) in Alba	2015	To establish the reliability and validity of the translated version o	3. Methodological focus	Quantitative	Yes	SAQ					
Gadjrad, P. S. and B. S. Harhangi (2019). "Safety Culture and Attitudes Among Spine Professionals: Results	2019	The aim of the current study is to assess attitudes toward safety c	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Galvao, T. F., M. C. Couteiro Lopes, C. C. Carrilho Oliva, M. E. de Almeida Araujo and M. T. Silva (2018). "Pa	2018	to assess patient safety culture in a university hospital.	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Gambashidze, N., A. Hammer, N. Ernstmann and T. Manser (2020). "Psychometric properties of the Georg	2020	To study the psychometric properties of the Georgian version of	3. Methodological focus	Quantitative	Yes	SAQ					
Gampetro, P. J., J. P. Segvich, N. Jordan, B. Velsor-Friedrich and L. Burkhart (2019). "Perceptions of Pediatr	2019	Strategies that identify gaps in hospital's safety culture within the	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS					
Garcia, C. d. L., I. M. Pinheiro Bezerra, J. L. Souza Ramos, J. E. T. Mendes Rossette do Valle, M. L. Bezerra d	2019	To analyze the relationship between patient safety culture and bu	2. Testing relationships among vari	Quantitative	Yes	HSOPS					
Garrouste-Orgeas M, Perrin M, Soufir L, et al. The latroref study: medical errors are associated with sympt	2015	evaluated whether burnout, symptoms of depression and safety cu	2. Testing relationships among vari	Quantitative	Yes	SAQ					
Gehring K, Mascherek AC, Bezzola P, Schwappach DL. Safety climate in Swiss hospital units: Swiss version	2015	we translated the Safety Climate Survey into German and French.	3. Methodological focus	Quantitative	Yes	SCSu					
Geraghty, A., Reid, S., & McIlhenny, C. (2014). Examining patient safety attitudes among urology trainees.	2014	Examining patient safety attitudes among urology trainees	1. Descriptive or exploratory assess	Quantitative	Yes	ORMAQ					
Gibbs, K., S. DeMaria, S. McKinsey, A. Fede, A. Harrington, D. Hutchison, C. Torchon, A. Levine and A. Gold	2018	To describe the successful implementation of an in situ simulation	4. Evaluation of an intervention	Quantitative	Yes	Gibbs et al. 2018					
Gillespie BM, Gwinner K, Chaboyer W, Fairweather N. Team communications in surgery - creating a culture	2013	to describe team communication and the ways it fostered or thre	2. Testing relationships among vari	Qualitative			Yes			Yes	
Gillespie, B. M., E. Harbeck, E. Kang, C. Steel, N. Fairweather and W. Chaboyer (2018). "Changes in surgical	2018	The aim of the present study was to describe process changes in s	4. Evaluation of an intervention	Quantitative	Yes	nd Safety Climate Survey (TSCS)					
Giannes FR, Torrieri MC, Gabriel CS, et al. Applying an ecological restoration approach to study patient sa	2016	To gain an understanding of medication safety culture and other	1. Descriptive or exploratory assess	Qualitative				Yes		Yes	
Ginsburg L, Gilin D, Tregunno D, Norton PG, Flemons W, Fleming M. Advancing measurement of patient sa	2009	To examine the psychometric and unit of analysis/strength of cult	3. Methodological focus	Quantitative	Yes	MSI					
Ginsburg LR, Tregunno D, Norton PG, Mitchell JJ, Howley H. "Not another safety culture survey": using the	2014	This study examines the revised Canadian PSCS (Can-PSCS) for use	3. Methodological focus	Quantitative	Yes	CAN PSCS					
Gleeson, L. L., L. Tobin, G. L. O'Brien, E. K. Crowley, A. Delaney, D. O'Mahony and S. Byrne (2020). "Safety	2020	The aim of this study is to describe the safety culture of a universi	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Godinho Rigobello MC, Fontenele Lima de Carvalho RE, De Bortoli Cassiani SH, Galon T, Capucho HC, de D	2012	To evaluate the perception of the safety climate of nursing profes	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ					
Goldstein DH, Nyce JM, Van Den Kerkhof EG. Safety Perceptions of Health Care Leaders in 2 Canadian Acad	2017	The purpose of this study was to examine the safety climate from	1. Descriptive or exploratory assess	Quantitative	Yes	PSCHO					

Golle, L., D. Ciotti, G. E. Gehrke Herr, F. Aozane, C. R. Schmidt and A. C. Bernat Kolankiewicz (2018). "Cultu	2018	To evaluate the perception of active nurses in a private hospital a	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ				
Goras C, Wallentin FY, Nilsson U, Ehrenberg A. Swedish translation and psychometric testing of the safety	2013	The aim of the present study was to establish the validity and reli	3. Methodological focus	Quantitative	Yes	SAQ				
Gordon BM, Lam TS, Bahjri K, Hashmi A, Kuhn MA. Utility of Preprocedure Checklists in the Congenital Car	2014	to create, implement, and evaluate a preprocedural meeting in th	3. Methodological focus	Quantitative	Yes	SAQ				
Gore DC, Powell JM, Baer JG, et al. Crew resource management improved perception of patient safety in th	2010	To improve safety in the operating theater, a company of aviation	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Granel, N., J. M. Manresa-Dominguez, A. Barth, K. Papp and M. D. Bernabeu-Tamayo (2019). "Patient safet	2019	The purpose of this paper is to develop a cross-cultural HSOPFC	3. Methodological focus	Quantitative	Yes	HSOPS				
Groves PS, Finfgeld-Connett D, Wakefield BJ. It's always something: hospital nurses managing risk. Clinical	2014	to describe the process by which hospital staff nurses keep patien	1. Descriptive or exploratory assess	Qualitative			Yes			
Gu X, Itoh K. A cross-national study on healthcare safety climate and staff attitudes to disclosing adverse e	2010	The present paper reports comparative results of safety climate in	1. Descriptive or exploratory assess	Quantitative	Yes	ORMAQ				
Gu X, Itoh K. A pilot study on safety climate in Chinese hospital. J Patient Saf. 2011;7(4):204-212. OBJECTIV	2011	The present paper has 2 primary objectives as a pilot study on hea	3. Methodological focus	Quantitative	Yes	ORMAQ				
Gunes UY, Gurlek O, Sonmez M. A survey of the patient safety culture of hospital nurses in Turkey. Collegi	2016	to explore and describe nurses' perceptions of patient safety cult	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Gupta B, Guleria K, Arora R. Patient Safety in Obstetrics and Gynecology Departments of two Teaching Hos	2016	The objective of this study was to assess and compare patient saf	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Gurková, E., R. Zeleniková, A. Friganovic, I. Uchmanovicz, D. Jarošová, E. Papastavrou and K. Žiaková (201	2019	The aim of the study was to investigate nurses' perceptions of the	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Hababbeh, A. A. and M. A. Alkhalaleh (2020). "Effect of an educational programme on the attitudes toward	2020	The purpose of this study was to evaluate the effect of a surgical	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Habibi M, Fesharaki MG, Samadinia H, Mohamadian M, Anvari S. Patient Safety Culture and Factors that In	2017	The present study aimed to examine patient safety culture and fa	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Haerksen MH, van Leeuwen W, Sexton JB, Pickkers P, van der Hoeven JG. Validation of the Dutch language	2016	The objective of this study was to assess the psychometric proper	3. Methodological focus	Quantitative	Yes	SAQ				
Haerksen MHTM, Kox M, Noe PM, van der Hoeven JG, Pickkers P. Crew Resource Management in the trauma	2017	We determined the effects of CRM implementation in the trauma	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Hahn SE, Murphy LR. A short scale for measuring safety climate. Safety Science. 2008;46(7):1047-1066. A	2008	A 6-item measure that assesses global work safety climate was va	3. Methodological focus	Quantitative	Yes	ahn & Murphy, 2008				
Halbesleben JR, Wakefield BJ, Wakefield DS, Cooper LB. Nurse burnout and patient safety outcomes: nurse	2008	the relationship between nurse burnout and patient safety indica	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Haller G, Garnerin P, Morales M-A, et al. Effect of crew resource management training in a multidisciplina	2008	To assess the effect of a Crew Resource Management (CRM) Inter	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Hamaideh SH. Mental health nurses' perceptions of patient safety culture in psychiatric settings. Internat	2016	The aims of this study were to assess the perception of mental he	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hamdan M, Saleem AA. Assessment of patient safety culture in Palestinian public hospitals. Int J Qual Heal	2013	To assess the prevalent patient safety culture in Palestinian public	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Hamdan M. Measuring safety culture in Palestinian neonatal intensive care units using the Safety Attitude	2013	This study aimed to measure safety culture, examine variations ar	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ				
Hamdan, M. and A. A. o. Saleem (2018). "Changes in Patient Safety Culture in Palestinian Public Hospitals:	2018	To assess the changes in the patient safety culture between 2011	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Hammer A, Ernstmann N, Ommen O, et al. Psychometric properties of the Hospital Survey on Patient Safet	2011	examines whether the Hospital Survey on Patient Safety Culture f	3. Methodological focus	Quantitative	Yes	HSOPS				
Hanifi, N., Z. Yazdanshenas, M. Namadian and N. Motamed (2018). "The Effect of Patient Safety Education	2018	to determine the effect of the patient safety education program o	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Hansen LO, Williams MV, Singer SI. Perceptions of hospital safety climate and incidence of readmission. H	2011	To define the relationship between hospital patient safety climate	2. Testing relationships among vari	Quantitative	Yes	PSCHO				
Hanskamp-Sebreghs, M., M. Zegers, G. P. Westert, W. Boeijen, S. Teerenstra, P. J. van Gorp and H. Wolters	2019	To evaluate the effectiveness of internal auditing in hospital care	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Harsul, W., A. M. Irwan and E. L. Sjattar (2019). "The relationship between nurse self-efficacy and the cult	2019	The aim of this study was to analyze the relationship of self-effic	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hartmann CW, Meterko M, Rosen AK, et al. Relationship of hospital organizational culture to patient safet	2009	assessed the relationship between hospitals' organizational cultur	2. Testing relationships among vari	Quantitative	Yes	PSCHO				
Hartmann CW, Rosen AK, Meterko M, et al. An overview of patient safety climate in the VA. Health Serv R	2008	To assess variation in safety climate across VA hospitals nationally	2. Testing relationships among vari	Quantitative	Yes	PSCHO				
Hatam N, Keshkar V, Ferozan F, Peivand B. Patient safety culture status in teaching hospitals: A case of s	2012	Patient safety culture status in teaching hospitals: A case of shiraz	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Hatoun J, Suen W, Liu C, et al. Elucidating Reasons for Resident Underutilization of Electronic Adverse E	2016	Residents at an academic medical center were surveyed about AE	2. Testing relationships among vari	Quantitative	Yes	Hatoun et al. 2016				
Haugen AS, Softeland E, Eide GE, et al. Impact of the World Health Organization's Surgical Safety Checklist	2013	to study the checklist effects on safety culture perceptions in ope	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Haugen AS, Softeland E, Eide GE, Nortvedt MW, Aase K, Harthug S. Patient safety in surgical environmen	2010	examined the psychometric properties of a Norwegian translation	3. Methodological focus	Quantitative	Yes	HSOPS				
Hayashi, R., S. Fujita, S. Iida, Y. Nagai, Y. Shimamori and T. Hasegawa (2020). "Relationship of patient saf	2020	This study aimed to examine the relationship between patient saf	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hayes LW, Dobyns EL, DiGiovine B, et al. A multicenter collaborative approach to reducing pediatric codes	2012	The Child Health Corporation of America formed a multicenter co	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Haynes AB, Weiser TG, Berry WR, et al. Changes in safety attitude and relationship to decreased postoper	2011	To assess the relationship between changes in clinician attitude a	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Hedskold M, Pukk-Harenstam K, Berg E, et al. Psychometric properties of the Hospital Survey on Patient Sa	2013	describes this Swedish version and an assessment of its psychome	3. Methodological focus	Quantitative	Yes	HSOPS				
Hefner JL, Hilligoss B, Knupp A, et al. Cultural Transformation After Implementation of Crew Resource Man	2016	examined the impact of a systematic CRM implementation across	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Hellings J, Schrooten W, Klazinga NS, Vleugels A. Improving patient safety culture. International journal of	2010	to describe a patient safety culture improvement approach in five	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Hemmat F, Atashzadeh-Shoorideh F, Mehrabi T, Zayeri F. A survey of nurses' awareness of patient safety c	2015	describes the nurses' awareness of patient safety culture in neona	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Herrington, C. R. and M. W. Hand (2019). "Impact of Nurse Peer Review on a Culture of Safety." Journal	2019	A pre- and postdesign using the Agency for Healthcare Research a	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Hessels AJ, Genovese-Schek V, Agarwal M, Wurmser T, Larson EL. Relationship between patient safety clim	2016	This study aim was to explore the relationships among safety clim	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hessels, A. J., M. Paliwal, S. H. Weaver, D. Siddiqui and T. A. Wurmser (2019). "Impact of Patient Safety Cul	2019	The purpose of this study was to describe relationships among PS	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hill MR, Roberts MJ, Alderson ML, Gale TC. Safety culture and the 5 steps to safer surgery: an intervention	2015	assessed the safety culture in the elective orthopaedic theatres o	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Hinde T, Gale T, Anderson I, Roberts M, Sice P. A study to assess the influence of interprofessional point of	2016	to assess the impact of interprofessional point of care simulation	4. Evaluation of an intervention	Quantitative	Yes	nd Safety Climate Survey (TSCS)				
Hong S, U Q. The reasons for Chinese nursing staff to report adverse events: a questionnaire survey. J Nurr	2017	To investigate the impact of nurses' perception of patient safety c	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Hook JN, Boan D, Davis DE, Aten JD, Ruiz JM, Maryon T. Cultural Humility and Hospital Safety Culture. Jour	2016	explore the extent to which cultural humility, which involves ope	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Hori Okuyama, J. H., T. F. Galvao, M. T. L. Crozatti and M. T. Silva (2019). "Health Professionals' percep	2019	To assess patient safety culture in a university hospital.	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Horwitz SK, Horwitz IB. The effects of organizational commitment and structural empowerment on patient	2017	The purpose of this paper is to investigate the relationship betwe	2. Testing relationships among vari	Quantitative	Yes	PSCHO				
Hsu, Y.-J. and J. A. Marsteller (2020). "Who Applies an Intervention to Influence Cultural Attributes in a Qui	2020	This study aimed to identify factors related to teams' adoption of	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Huang DT, Clermont G, Kong L, et al. Intensive care unit safety culture and outcomes: a US multicenter stu	2010	to determine if intensive care unit (ICU) safety culture is independ	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Huang, C.-H., H.-H. Wu and Y.-C. Lee (2018). "The perceptions of patient safety culture: A difference betw	2018	this study aims to respectively investigate the perceptions of patie	1. Descriptive or exploratory assess	Quantitative	Yes	new Chinese SAQ				
Huang, C.-H., H.-H. Wu, C. Y. Chou, H. Dai and Y.-C. Lee (2018). "The Perceptions of Physicians and Nurses	2018	We aimed to examine physicians' and nurses' perceptions of patie	1. Descriptive or exploratory assess	Quantitative	Yes	new Chinese SAQ				
Huang, H.-T., C.-H. Tsai and C.-F. Wang (2019). "A Model for Promoting Occupational Safety and Health in	2019	This study used an integrative approach as a starting point and co	2. Testing relationships among vari	Quantitative	Yes	ey (Griffin & Neal, 2000; Neal & Griffin, 2006)				
Hughes IC, Chang Y, Mark BA. Quality and strength of patient safety climate on medical-surgical units. Hea	2009	Study purposes were to describe quality and strength of the patie	1. Descriptive or exploratory assess	Quantitative	Yes	(1980) safety climate scale				
Hutchinson A, Young TA, Cooper KL, et al. Trends in healthcare incident reporting and relationship to safet	2009	This study analyses patterns in reporting of patient safety inciden	2. Testing relationships among vari	Quantitative	Yes	NHS Staff Survey				
Hwang JJ, Hwang EJ. Individual and work environment characteristics associated with error occurrences in	2011	To determine individual and work environment characteristics ass	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Hwang JI. What are hospital nurses' strengths and weaknesses in patient safety competence? Findings fro	2015	To examine hospital nurses' patient safety competencies and the	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Hwang, J.-I., S. W. Kim and H. J. Chin (2019). "Patient Participation in Patient Safety and Its Relationships w	2019	This study's aim was to examine degrees of patient participation	2. Testing relationships among vari	Quantitative	Yes	SCM				

Lee WC, Hung HY, Liao HH, et al. Hospital safety culture in Taiwan: a nationwide survey using Chinese version of the Hospital Safety Culture Survey (HSCS). <i>Journal of Hospital Infection</i> . 2010	to verify a safety culture survey instrument in Chinese and to assess its reliability and validity	3. Methodological focus	Quantitative	Yes	SAQ				
Lee YC, Wu HH, Hsieh WL, Weng SJ, Hsieh LP, Huang CH. Applying importance-performance analysis to patient safety culture. <i>Journal of Hospital Infection</i> . 2015	to improve and to develop better strategies regarding patient safety culture	1. Descriptive or exploratory assessment	Quantitative	Yes	SAQ				
Lee S, E., C. Vincent, V. S. Dahinten, L. D. Scott, C. G. Park and K. Dunn Lopez (2018). "Effects of individual nurse and hospital safety culture on patient safety outcomes." <i>Journal of Hospital Infection</i> . 2018	This study aimed to investigate effects of individual nurse and hospital safety culture on patient safety outcomes	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Lee, W.-C., S.-H. Han and H.-J. Jeong (2020). "Ensuring Taiwan patient safety culture survey is free from diffusion bias." <i>Journal of Hospital Infection</i> . 2020	The aim of this study was to examine whether the succinct version of the HSCS is free from diffusion bias	3. Methodological focus	Quantitative	Yes	SAQ				
Lee, Y.-C., C.-H. Huang, C.-F. Wu, H.-W. Hsueh and H.-H. Wu (2019). "A Longitudinal Study of Identifying Critical Factors Affecting Patient Safety Culture in a Teaching Hospital." <i>Journal of Hospital Infection</i> . 2019	This study uses longitudinal data from a regional teaching hospital to identify critical factors affecting patient safety culture	1. Descriptive or exploratory assessment	Quantitative	Yes	SAQ				
Lee, Y.-C., P.-S. Zeng, C.-H. Huang, C.-F. Wu, C.-C. Yang and H.-H. Wu (2019). "Causal Relationships of Patient Safety Culture and Patient Safety Outcomes: A Cross-sectional Study." <i>Journal of Hospital Infection</i> . 2019	This study uses the decision-making trial and evaluation laboratory (DEMATEL) to explore the causal relationships between patient safety culture and patient safety outcomes	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Lefebvre, G., L. Honey, K. Hines, A. Keough, C. Roye, S. Bellemare, T. D. Piscione, A. Falconer, L. Shepherd, et al. (2020). "Patient Safety Culture and Patient Safety Outcomes: A Systematic Review." <i>Journal of Hospital Infection</i> . 2020	This study implemented a quality improvement program based on patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	SCORE				
Legg JS, Aaron L, Dempsey MC. Patient safety perceptions among vascular interventional technologists. <i>Journal of Vascular Medicine and Biology</i> . 2013	To describe perceptions of patient safety culture (PSC) among US vascular interventional technologists	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Legg JS, Dempsey MC, Aaron L. Patient Safety Perceptions Among U.S. Radiation Therapists. <i>Radiation Therapy Oncology</i> . 2013	To determine the radiation therapy profession's overall values, beliefs, and attitudes regarding patient safety	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Li A-T. Teamwork climate and patient safety attitudes: associations among nurses and comparison with patient safety culture. <i>Journal of Hospital Infection</i> . 2013	Teamwork climate and patient safety attitudes: associations among nurses and comparison with patient safety culture	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Li, Y., Y. Zha, Y. Ha, M. Jiao, H. Ma, B. Teng, K. Yang, T. Sun, Q. Wu and H. Qiao (2018). "Perceptions of patient safety culture among nurses in China." <i>Journal of Hospital Infection</i> . 2018	The aim of the study is to explore the perception of healthcare workers on patient safety culture	1. Descriptive or exploratory assessment	Quantitative	Yes	SAQ				
Liang HY, Tang FJ, Wang TF, Lin KC, Yu S. Nurse characteristics, leadership, safety climate, emotional labour and patient safety culture. <i>Journal of Hospital Infection</i> . 2016	The aim of this study was to propose a theoretical model and apply it to patient safety culture	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Lim RB, Ng BB, Ng KM. Evaluation of the patient safety leadership Walkabout programme of a hospital in Singapore. <i>Journal of Hospital Infection</i> . 2014	We carried out an evaluation of its effectiveness in improving the patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Lima de Oliveira, I. C., M. L. S. Nunes Cavalcante, S. F. Aires, R. J. Moreira de Freitas, B. V. da Silva, D. M. Fraga, L. D. M., K. A. Carson, L. H. Lubomski, E. C. Wick and J. C. Pham (2018). "Statewide Collaborative to Reduce Medication Errors in Brazil." <i>Journal of Hospital Infection</i> . 2018	This study's purpose was to evaluate the effectiveness of the AHRQ patient safety culture survey	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Ling L, Gomersall CD, Samy W, et al. The Effect of a Freely Available Flipped Classroom Course on Health Care Professionals' Perceptions of Patient Safety Culture. <i>Journal of Patient Safety and Quality Care</i> . 2016	to assess the impact of a standardized patient safety course on health care professionals' perceptions of patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Listyowardojo TA, Nap RE, Johnson A. Variations in hospital worker perceptions of safety culture. <i>Int J Qual Health Care</i> . 2012	To compare the attitudes toward and perceptions of institutional workers on patient safety culture	1. Descriptive or exploratory assessment	Quantitative	Yes	owardojo et al. 2012				
Listyowardojo TA, Yan X, Leyshon S, et al. (2017) A safety culture assessment by mixed methods at a public tertiary care hospital in China. <i>Journal of Hospital Infection</i> . 2017	A safety culture assessment by mixed methods at a public tertiary care hospital in China	1. Descriptive or exploratory assessment	Mixed methods	Yes	SAQ	Yes			
Liu Y, Kalisch BJ, Zhang L, Xu J. Perception of safety culture in hospitals in China. <i>Journal of Hospital Infection</i> . 2009	The safety culture in hospitals in China was investigated using a self-developed safety culture survey	1. Descriptive or exploratory assessment	Quantitative	Yes	Liu et al. 2009				
Livorsi D, Knobloch MJ, Blue LA, et al. A rapid assessment of barriers and facilitators to safety culture in an acute care hospital. <i>Journal of Hospital Infection</i> . 2016	To identify opportunities for safety culture improvement in a 30-bed acute care hospital	1. Descriptive or exploratory assessment	Mixed methods	Yes	HSOPS	Yes			
Lopez KD, Gerling GJ, Cary MP, Karak MF. Cognitive work analysis to evaluate the problem of patient falls in a hospital. <i>Journal of Hospital Infection</i> . 2010	To identify factors in the nursing work domain that contribute to patient falls	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Lopez-Jeng, C. and S. D. Eberth (2019). "Improving Hospital Safety Culture for Falls Prevention Through Internal Communication." <i>Journal of Hospital Infection</i> . 2019	to develop a health education program tailored to their internal communication needs	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Lowe G. How employee engagement matters for hospital performance. <i>Healthcare quarterly</i> (Toronto, Ont.). 2012	examines how job, work environment, management and organizational culture affect hospital performance	2. Testing relationships among variables	Quantitative	Yes	Lowe, 2012				
Luiz RB, Simoes AL, Barichello E, Barbosa MH. Factors associated with the patient safety climate at a teaching hospital. <i>Journal of Hospital Infection</i> . 2015	To investigate the association between the scores of the patient safety climate and patient safety outcomes	1. Descriptive or exploratory assessment	Quantitative	Yes	SAQ				
Lyu H, Wick EC, Housman M, Freischlag JA, Makary MA. Patient satisfaction as a possible indicator of quality of care. <i>Journal of Hospital Infection</i> . 2013	To determine whether patient satisfaction is independent from safety culture	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Macedo TR, Rocha PK, Tomazoli A, Souza S, Anders JC, Davis K. The culture of patient safety from the perspective of pediatric emergency nurses. <i>Journal of Hospital Infection</i> . 2016	To identify the patient safety culture in pediatric emergencies from the perspective of pediatric emergency nurses	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Magid DJ, Sullivan AF, Cleary PD, et al. The safety of emergency care systems: Results of a survey of clinicians. <i>Journal of Hospital Infection</i> . 2009	The purpose of this study is to assess the degree to which EDs are safe	3. Methodological focus	Quantitative	Yes	Emergency Department Safety Study Survey				
Mahfozpour S, Mojdehkar R. ATTITUDES OF HEALTH CAREGIVERS ON TEAMWORK AND SAFETY CLIMATE IN A TERTIARY CARE HOSPITAL. <i>Journal of Hospital Infection</i> . 2010	To study the attitudes of health caregivers on teamwork & safety climate	1. Descriptive or exploratory assessment	Quantitative	Yes	Emergency Department Safety Study Survey				
Mahjoub, M., S. Ben Fredj, N. Bouafia, R. Bouriga, N. Ben Jaleb and M. Njah (2018). "Promoting safety culture in a tertiary care hospital." <i>Journal of Hospital Infection</i> . 2018	to assess and analyze the healthcare professional-patient relationship	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Mahrous, M. S. (2018). "Patient safety culture as a quality indicator for a safe health system: Experience from a tertiary care hospital." <i>Journal of Hospital Infection</i> . 2018	This study aimed to evaluate the extent to which the culture supports patient safety	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Mallouli M, Tili MA, Aouicha W, et al. Assessing patient safety culture in Tunisian operating rooms: A multi-center study. <i>Journal of Hospital Infection</i> . 2017	To assess the patient safety culture (PSC) in operating rooms (ORs) in Tunisia	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Manapragada, A., V. Bruck-Lee, A. H. Thompson and L. M. Heron (2019). "When safety climate is not enough: The role of patient safety culture." <i>Journal of Hospital Infection</i> . 2019	To examine the association between components of safety climate and patient safety outcomes	2. Testing relationships among variables	Quantitative	Yes	Griffin & Neal, 2000; Neal & Griffin, 2006				
Mantynen R, Vehviläinen-Julkunen K, Partanen P, Turunen H, Miettinen M, Kvist T. Changes in Transformational Leadership and Patient Safety Culture in a Hospital. <i>Journal of Hospital Infection</i> . 2014	This paper describes the changes in transformational leadership and patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Mardon RE, Khanna K, Sorra J, Dyer N, Famolaro T. Exploring relationships between hospital patient safety culture and patient safety outcomes. <i>Journal of Hospital Infection</i> . 2010	examined relationships between the Agency for Healthcare Research and Quality's patient safety culture survey and patient safety outcomes	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Marinho MM, Radünz V, Barbosa SdFF. Assessment of safety culture by surgical unit nursing teams. <i>Textos de Enfermagem</i> . 2014	to evaluate the patient safety culture from the perspective of the nursing teams	1. Descriptive or exploratory assessment	Quantitative	Yes	SAQ				
Mark BA, Hughes LC, Belyea M, Bacon CT, Chang Y, Jones CA. Exploring organizational context and structural factors associated with patient safety culture. <i>Journal of Hospital Infection</i> . 2008	To examine relationships among organizational context (characteristics) and patient safety culture	2. Testing relationships among variables	Quantitative	Yes	1980) safety climate scale				
Marsteller JA, Wen M, Hsu YJ, et al. Safety Culture in Cardiac Surgical Teams: Data From Five Programs and Implications for Practice. <i>Journal of Hospital Infection</i> . 2015	We measured and described safety culture in five cardiovascular surgery programs	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Martinez W, Etcheagaray JM, Thomas EJ, et al. "Speaking up" about patient safety concerns and unprofessional behavior: A cross-sectional study of surgeons. <i>Journal of Hospital Infection</i> . 2015	To develop and test the psychometric properties of two new surveys	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Martowirono K, Wagner C, Bijnen AB. Surgical residents' perceptions of patient safety climate in Dutch teaching hospitals. <i>Journal of Hospital Infection</i> . 2014	This study aims to take a first step in validating the SCS for use among surgical residents	3. Methodological focus	Quantitative	Yes	SCSu				
Marzolf S, Zekarias B, Tedla K, et al. Continuing professional education in Eritrea taught by local obstetricians. <i>Journal of Hospital Infection</i> . 2015	evaluated a course taught by Obstetrics/Gynaecology residents of Eritrea	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Mascherek AC, Bezola P, Gehring K, Schwappach DLB. Effect of a two-year national quality improvement program on patient safety culture. <i>Journal of Hospital Infection</i> . 2016	The aims of the implementation program were to implement continuous improvement and patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Matsubara S, Hagihara A, Nobutomo K, Matsubara S, Hagihara A, Nobutomo K. Development of a patient safety culture scale. <i>Journal of Hospital Infection</i> . 2008	To develop a Japanese scale to measure patient safety climate among healthcare workers	3. Methodological focus	Quantitative	Yes	atsubara et al. 2008				
Mayeng LM, Wolvaardt JE. Patient safety culture in a district hospital in South Africa: An issue of quality. <i>Journal of Hospital Infection</i> . 2015	The study identified and analysed the factors that influence the patient safety culture	1. Descriptive or exploratory assessment	Quantitative	Yes	MapSCAT				
McCarthy SE, O'Boyle CA, O'Shaughnessy A, Walsh G. Online patient safety education programme for junior doctors. <i>Journal of Hospital Infection</i> . 2016	To determine whether the programme improved junior doctors' patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	patient safety climate" (Madigosky et al. 2006)				
McCaughy D, Dellifraigne JL, McGhan G, Bruning NS. The negative effects of workplace injury and illness on patient safety culture. <i>Journal of Hospital Infection</i> . 2013	The purpose of this study is to examine whether workplace injury and illness affect patient safety culture	2. Testing relationships among variables	Quantitative	Yes	WSS, Hayes et al., 1998)				
McEachan RR, Lawton RJ, O'Hara JK, et al. Developing a reliable and valid patient measure of safety in hospitals. <i>Journal of Hospital Infection</i> . 2014	The aim of the current study is to test the reliability and validity of a patient safety culture survey	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
McFadden KL, Henagan SC, Gowen CR, III. The patient safety chain: Transformational leadership's effect on patient safety culture. <i>Journal of Hospital Infection</i> . 2009	to investigate the existence of a patient safety chain for hospitals	2. Testing relationships among variables	Quantitative	Yes	SAQ				
McFadden KL, Stock GN, Gowen CR, 3rd. Leadership, safety climate, and continuous quality improvement: A conceptual model. <i>Journal of Hospital Infection</i> . 2014	We present a research model that shows how transformational leadership affects patient safety culture	2. Testing relationships among variables	Quantitative	Yes	SCSu				
McLaughlin N, Winograd D, Chung HR, Van de Wiele B, Martin NA. Impact of the time-out process on patient safety culture. <i>Journal of Hospital Infection</i> . 2014	This study assessed the impact of the current protocol for the time-out process on patient safety culture	2. Testing relationships among variables	Quantitative	Yes	multiple - SAQ, HSOPS				
McLeroy, R. D., J. Ingersoll, P. Nielsen and J. Pampin (2020). "Implementation of Tele-Critical Care at a General Hospital." <i>Journal of Hospital Infection</i> . 2020	Implementation of Tele-Critical Care at a General Leonard Wood Army Medical Center	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
McMullan SP, Thomas-Hawkins C, Shirey MR. Certified Registered Nurse Anesthetist Perceptions of Patient Safety Culture. <i>Journal of Hospital Infection</i> . 2017	investigates relationships among CRNA organizational structures and patient safety culture	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Meddings J, Reichert H, Greene MT, et al. Evaluation of the association between Hospital Survey on Patient Safety Culture and patient safety outcomes. <i>Journal of Hospital Infection</i> . 2011	Examine the association between hospital units' results for the Hospital Survey on Patient Safety Culture and patient safety outcomes	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Meeks DW, Lally KP, Carrick MM, et al. Compliance with guidelines to prevent surgical site infections: As a function of patient safety culture. <i>Journal of Hospital Infection</i> . 2017	to assess predictive factors and compliance with surgical site infection prevention guidelines	2. Testing relationships among variables	Quantitative	Yes	SAQ				
Menendez CC, Gimeno D, Barrientos-Gutiérrez T, Burau KD, Felkner SA. Safety climate and verbal abuse are associated with patient safety culture. <i>Journal of Hospital Infection</i> . 2012	We examined whether low level of safety factors were associated with patient safety culture	2. Testing relationships among variables	Quantitative	Yes	Menendez et al. 2012				
Meurling L, Hedman L, Sandahl C, Fellander-Tsai L, Wallin C-J. Systematic simulation-based team training improves patient safety culture. <i>Journal of Hospital Infection</i> . 2013	To examine the relationship between simulation-based team training and patient safety culture	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Mielke, J., S. De Geest, S. Beckmann, L. Leppla, A. Luta, R.-A. Guerbaai, S. Hunziker and R. Schwendimann (2019). "Patient Safety Culture in a Swiss Hospital." <i>Journal of Hospital Infection</i> . 2019	The objectives of this cross-sectional study were to translate the patient safety culture into practice	2. Testing relationships among variables	Quantitative	Yes	multiple - SAQ, HSOPS				
Mihdawi, M., R. Al-Amer, R. Darwish, S. Randall and T. Afaneh (2020). "The Influence of Nursing Work Environment on Patient Safety Culture." <i>Journal of Hospital Infection</i> . 2020	This study aimed to examine the relationship between patient safety culture and nursing work environment	2. Testing relationships among variables	Quantitative	Yes	HSOPS				
Mikušová V, Rusnáková V, Nadová K, Boroňová J, Beťková M. Patient safety assessment in Slovak hospital. <i>Journal of Hospital Infection</i> . 2012	to find out how healthcare workers perceive patient safety in their workplace	1. Descriptive or exploratory assessment	Quantitative	Yes	HSOPS				
Milne JK, Bendaly N, Bendaly L, Worsley J, Fitzgerald J, Nisker J. A measurement tool to assess culture change in hospitals. <i>Journal of Hospital Infection</i> . 2010	We sought to develop a cultural assessment survey (CAS) to assess patient safety culture	3. Methodological focus	Mixed methods	Yes	Cultural Assessment Survey	Yes	Yes	Yes	Yes

Moeidh AT, Shah VA, Yusuf RZ, Al-Matari EM, Paulas A. The relationship between prosocial voice and the	2015	This study is focused on achieving two objectives; first, examining	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Moghri J, Akbari Sari A, Yousefi M, et al. Is Scores Derived from the Most Internationally Applied Patient Sa	2013	to assess the questionnaire against this bias.	3. Methodological focus	Quantitative	Yes	HSOPS							
Moghri J, Arab M, Saari AA, et al. The Psychometric Properties of the Farsi Version of "Hospital Survey on	2012	The aim of this study was to assess the validity and reliability of Fa	3. Methodological focus	Quantitative	Yes	HSOPS							
United States	2018	We examined relationships between employee safety climate and	2. Testing relationships among variables	Quantitative	Yes	SAQ; Patient Safety Culture Questionnaire (Veterans Affairs)							
Mohseny M, M. Montazeri, P. Farshidmehr, H. Z. Mahmoudabadi, E. Rahimpour, N. Zamanpour and K. H.	2019	The main purpose of the present study is to investigate the insight	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Monaca, C., B. Bestmann, M. Kattein, D. Langner, H. Müller and T. Manser (2020). "Assessing Patients' Per	2020	We aimed to develop a measure explicitly focusing on patients' per	3. Methodological focus	Quantitative	Yes	ions of Safety Culture scale (PaPSC)							
Monsees, E., J. Goldman, A. Vogelsmeier and L. Popejoy (2020). "Nurses as antimicrobial stewards: Recogn	2020	to determine bedside nurses' recognition and performance confid	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Morgan PJ, Cunningham L, Mitra S, et al. Surgical safety checklist: implementation in an ambulatory surgic	2013	The threefold purpose of this study was to add ambulatory-specific	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Mousinho Tavares, A. P., E. C. Carvalho Moura, F. V. Silva Dantas Avelino, V. C. Aguiar Lopes and L. T. Nogu	2018	to evaluate the patient safety culture from the perspective of the	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Moussavi F, Moghri J, Gholizadeh Y, et al. Assessment of patient safety culture among personnel in the ho	2013	The aim of this study was to assess the patient safety culture at is	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Mueithing SE, Goudie A, Schoettker PJ, et al. Quality improvement initiative to reduce serious safety event	2012	We conducted a quality improvement initiative to implement cult	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Muralidhar S, Taneja A, Ramesh V. Patient safety culture-perception of health care workers in a tertiary ca	2012	This study attempts to gain knowledge on the practices and attitu	1. Descriptive or exploratory assess	Quantitative	Yes	muralidhar et al., 2012							
Murphy, T., A. Lupton and J. Bender (2018). "Sustained Improvement in Neonatal Intensive Care Unit Saf	2018	This study aimed to measure safety attitudes in the neonatal inte	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Najjar S, Hamdan M, Baillien E, et al. The Arabic version of the hospital survey on patient safety culture: a	2013	The aim of this study is to investigate the psychometric properties	3. Methodological focus	Quantitative	Yes	HSOPS							
Najjar, S., E. Baillien, K. Vanhaecht, M. Hamdan, M. Euwema, A. Vleugels, W. Sermeus, W. Schrooten, J. He	2018	To investigate the relationships between patient safety culture (P	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Najjar, S., N. Nafour, K. Vanhaecht and M. Euwema (2018). "Improving patient safety in Palestinian hospita	2018	The aim of this study was to assess patient safety and explore rela	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Nekoei-Moghadam, M., M. Raadabadi and M. Heidarijamebozorgi (2019). "Patient safety culture in univer	2019	The aim of the study was to determine and to compare patient sa	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Nelson S, Stone PW, Jordan S, et al. Patient safety climate: Variation in perceptions by infection preventio	2011	This study explores perceptions of infection preventionists (IPs) a	1. Descriptive or exploratory assess	Quantitative	Yes	PSCHO							
Nguyen G, Gambashidze N, Ilyas SA, Pasco D. Validation of the safety attitudes questionnaire (short form	2015	The study is aimed at cross-culturally validating the questionnaire	3. Methodological focus	Quantitative	Yes	SAQ							
Nie Y, Mao X, Cui H, He S, Li J, Zhang M. Hospital survey on patient safety culture in China. BMC Health Ser	2013	This study explores the attitudes and perceptions of patient safety	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Nilsson, U., C. Goras, F. Y. Wallentin, A. Ehrenberg and M. Unbeck (2018). "The Swedish Safety Attitudes Q	2018	To validate the Swedish Safety Attitudes Questionnaire-operating	3. Methodological focus	Quantitative	Yes	SAQ							
Noord, I. V.-v., M. Smits, N. C. Zwinjenberg, P. Spreuwenberg, C. Wagner and I. Verbeek-van Noord (2019)	2019	We examined whether a nation-wide patient safety programme (E	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Notaro, K. A. M., A. R. Corréa, A. Tomazoni, P. K. Rocha and B. F. Manzo (2019). "Safety culture of multidisc	2019	analyze the safety culture of multidisciplinary teams from three n	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Noureldin, M. and M. A. Nouredin (2020). "Reporting frequency of three near-miss error types among hos	2020	The study objectives were to: 1) explore hospital pharmacists' rep	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Occelli P, Quenon JL, Hubert B, et al. Development of a safety culture: initial measurements at six hospita	2011	Development of a safety culture: initial measurements at six hosp	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Occelli P, Quenon JL, Kret M, et al. Validation of the French version of the Hospital Survey on Patient Safet	2013	To assess the psychometric properties of the French version of the	3. Methodological focus	Quantitative	Yes	HSOPS							
Occelli, P., J.-L. Quenon, M. Kret, S. Domecq, A. Denis, F. Delaperche, O. Clavierie, B. Castets-Fontaine, R. Al	2019	To assess the impact of a vignette-based analysis of adverse even	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
O'Connor S, Carlson E. Safety Culture and Senior Leadership Behavior: Using Negative Safety Ratings to Ali	2016	This report describes how staff-designed behavior changes among	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Odell, D. C., M. Quinn, R. S. Matulewicz, J. Johnson, K. E. Engelhardt, J. J. Stulberg, A. D. Yang, J. L. Holl	2019	We examine the safety culture in a statewide hospital quality imp	2. Testing relationships among variables	Quantitative	Yes	SAQ							
Ohn A, Rutberg H, Nilsen P. Patient safety dialogue: evaluation of an intervention aimed at achieving an in	2011	This paper evaluates the results and changes after 5 years of the p	4. Evaluation of an intervention	Qualitative	Yes							Yes	
Okofo, C. H., A. C. Ugwu and I. E. Okon (2018). "Effects of Patient Safety Culture on Patient Satisfaction W	2018	To assess the effect of patient safety culture on patient satisfactio	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Okuyama, J. H., T. F. Galvão, M. T. L. Crozatti and M. T. Silva (2019). "Health professionals' perception of	2019	To assess patient safety culture in a university hospital.	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
O'Leary KJ, Havley C, Slade ME, Shah HM, Lee J, Williams MV. Improving teamwork: impact of structured	2011	to assess the impact of an intervention, Structured Inter-Disciplin	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
O'Leary KJ, Wayne DB, Havley C, Slade ME, Lee J, Williams MV. Improving teamwork: impact of structured	2010	to assess the impact of an intervention, structured inter-disciplin	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Olson E, Aase K. A comparative study of safety climate differences in healthcare and the petroleum indust	2010	The aim of this article is to compare safety climate in healthcare a	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS							
Olson E. Exploring the possibility of a common structural model measuring associations between safety cli	2010	to explore the possibility of identifying general safety climate con	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Olson DP, Fields BG, Windish DM. Geographic Localization of Housestaff Inpatients Improves Patient-Cli	2015	assesses whether geographic localization of housestaff patients co	2. Testing relationships among variables	Quantitative	Yes	SAQ							
Olsson C, Forsberg A, Bjersa K. Safety climate and readiness for implementation of evidence and person ce	2016	to explore the safety climate and readiness to implement eviden	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Omid, L., R. Akbari, E. Hadavandi and E. Zarei (2018). "An intelligent algorithm for assessing patient safet	2018	The present study aimed to measure PSC and healthcare professi	3. Methodological focus	Quantitative	Yes	HSOPS							
Önler, E. and N. Akyolcu (2019). "Evaluation of operating room staff's attitudes related to patient safety: A	2019	This research was performed in order to evaluate the safety attitu	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Ortiz de Elguea, J., A. Orkaizagirre-Gomara, M. Sanche De Miguen, F. Urcola-Pardo, C. German-Bes and I.	2019	The aim was to adapt and validate a new version of the Hospital S	3. Methodological focus	Quantitative	Yes	HSOPS							
Ozer, S., H. Sarisilmaz Kankaya, H. Aktas Toptaş and F. S. Aykar (2019). "Attitudes Toward Patient Safety an	2019	The goal of this descriptive, cross-sectional study was to evaluate	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Paez K, Schur C, Zhao L, Lucado J. A national study of nurse leadership and supports for quality improvem	2013	This study assessed the perceptions and actions of rural hospital r	1. Descriptive or exploratory assess	Quantitative	Yes	Paez et al. 2013							
Paine LA, Rosenstein BJ, Sexton JB, Kent P, Holzmueller CG, Pronovost PJ. Assessing and improving safety	2010	To describe the authors' hospital-wide efforts to improve safety c	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Palmieri, P. A., J. M. Leyva-Moral, D. E. Camacho-Rodriguez, N. Granel-Gimenez, E. W. Ford, K. M. Mathies	2020	The purpose of this study was to develop a target-language HSOP	3. Methodological focus	Quantitative	Yes	HSOPS							
Palomar M, Alvarez-Lerma F, Riera A, et al. Impact of a national multimodal intervention to prevent cathet	2013	to assess its effectiveness after contextual adaptation at large-sca	4. Evaluation of an intervention	Quantitative	Yes	HSOPS							
Paradis, L. (2019). "Just culture: It's more than policy." Nursing Management 50(6): 38-45	2019	The article discusses a study at an urban teaching hospital in New	2. Testing relationships among variables	Quantitative	Yes	ure Assessment Tool (JCAT)							
Parry G, Horowitz L, Goldmann D. Patient safety attitudes of paediatric trainee physicians. Quality & safety	2009	To measure the patient safety attitudes of trainee physicians at a	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Patel S, Wu AW. Safety Culture in Indian Hospitals: A Cultural Adaptation of the Safety Attitudes Question	2016	to translate and culturally adapt the Safety Attitudes Questionn	3. Methodological focus	Quantitative	Yes	SAQ							
Patterson MD, Geis GL, LeMaster T, Wears RL. Impact of multidisciplinary simulation-based training on pati	2013	To improve patient safety in a paediatric ED by implementing a m	4. Evaluation of an intervention	Quantitative	Yes	SAQ							
Patterson ME, Bogart MS, Starr KR. Associations between perceived crisis mode work climate and poor inf	2015	Associations between perceived crisis mode work climate and poor	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Patterson ME, Pace HA, Fincham JE. Associations between communication climate and the frequency of m	2013	to identify the extent to which perceived communication climate	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Patterson ME, Pace HA. A Cross-sectional Analysis Investigating Organizational Factors That Influence Nea	2016	to determine the extent to which punitive work climate, inadequa	2. Testing relationships among variables	Quantitative	Yes	HSOPS							
Patterson, P. D., Huang, D. T., Fairbanks, R. J., & Wang, H. E. (2010). The emergency medical services safet	2010	The emergency medical services safety attitudes questionnaire	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Pavan, N. F. P., A. L. P. Magalhães, D. F. Poncio, R. A. Ascari, P. D. Zanini, N. d. S. Knhs and O. M. Silva (201	2019	To evaluate the patient safety culture in the perioperative renal tr	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ							
Pernerger TV, Staines A, Kundig F. Internal consistency, factor structure and construct validity of the French	2014	To assess the psychometric properties of the French-language ver	3. Methodological focus	Quantitative	Yes	HSOPS							
Perng SJ, Yu ML. Psychometric testing of an instrument measuring nurse aides' patient safety attitudes. J	2013	To develop and test the patient safety attitude scale-nurse aide (P	3. Methodological focus	Quantitative	Yes	f safety attitude scale-nurse aides (PSAS-NA)							
Peterson K, Rogers BME, Brosseau LM, et al. Differences in Hospital Managers', Unit Managers', and Health	2016	This article compares hospital managers' (HM), unit managers' (U	1. Descriptive or exploratory assess	Quantitative	Yes	eterson et al. 2016							
Petschonek S, Burlison J, Cross C, et al. Development of the just culture assessment tool: measuring the pe	2013	to develop a measure of individual perceptions of just culture for	3. Methodological focus	Quantitative	Yes	ture Assessment Tool (JCAT), HSOPS							

Pettker CM, Thung SF, Norwitz ER, et al. Impact of a comprehensive patient safety strategy on obstetric ad	2009	We implemented a comprehensive strategy to track and reduce a	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Pettker CM, Thung SF, Raab CA, et al. A Comprehensive Obstetrics Patient Safety Program Improves Safety	2011	The purpose of this study was to determine the effect of an obstet	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Pfeiffer V, Manser T. Development of the German version of the Hospital Survey on Patient Safety Culture	2010	We developed a German version of the HSOPSC and investigated	3. Methodological focus	Quantitative	Yes	HSOPS						
Pinheiro JPA, Uva AdS. Safety climate in the operating room: Translation, validation and application of the	2016	This study presents the validation of the Operating Room Version	3. Methodological focus	Quantitative	Yes	SAQ						
Pinheiro MP, Junior OCS. Evaluation of the patient safety culture within the hospital organization of a univ	2017	addressing the assessment of nurse caretakers about the patient	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Poley MJ, van der Starre C, van den Bos A, van Dijk M, Tibboel D. Patient safety culture in a Dutch pediatric	2011	to measure the safety climate in our unit, compare it with benchr	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Pousette A, Larसन P, Eklof M, Torner M. The relationship between patient safety climate and occupatio	2017	The aim of this study was to investigate the relationship between	2. Testing relationships among varia	Quantitative	Yes	tional Safety Climate Questionnaire, HSOPS						
Prati G, Pietrantoni L. Attitudes to teamwork and safety among Italian surgeons and operating room nurse	2014	The aim of this study was to assess attitudes about teamwork and	1. Descriptive or exploratory assess	Quantitative	Yes	ORMAQ						
Pringle J, Weber RJ, Rice K, Kirisci L, Sirio C. Examination of how a survey can spur culture changes using a	2009	The objective of this study was to investigate safety climates with	1. Descriptive or exploratory assess	Quantitative	Yes	(VHA) hospital survey on patient safety culture						
Profit J, Etchegaray J, Petersen LA, et al. Neonatal intensive care unit safety culture varies widely. Archives	2012	To describe NICU care giver assessments of safety culture, explor	2. Testing relationships among varia	Quantitative	Yes	SAQ						
Profit J, Etchegaray J, Petersen LA, et al. The Safety Attitudes Questionnaire as a tool for benchmarking saf	2012	To determine whether the dimensions of safety culture measured	3. Methodological focus	Quantitative	Yes	SAQ						
Profit J, Lee HC, Sharek PJ, et al. Comparing NICU teamwork and safety climate across two commonly used	2016	to assess variation in safety and teamwork climate and in the neo	3. Methodological focus	Quantitative	Yes	ultiple - SAQ, HSOPS						
Profijt J, Sharek PJ, Ampoker AB, et al. Burnout in the NICU setting and its relation to safety culture. BMJ	2014	2) Test the psychometric properties of a brief four-item burnout s	2. Testing relationships among varia	Quantitative	Yes	SAQ						
Putnam LR, Levy SM, Kellagher CM, et al. Surgical resident education in patient safety: where can we impr	2015	We hypothesized that surgical residents perceive the perioperativ	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Putnam LR, Pham DH, Ostovar-Kermani TG, et al. How Should Surgical Residents Be Educated About Patie	2016	We hypothesized that a dedicated, adjunctive resident safety wor	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Qin C, Xie J, Jiang J, Zhen F, Ding S. Reporting among nurses and its correlation with hospital safety culture	2015	the aims of this study were to analyze the behaviors of nurses in	2. Testing relationships among varia	Quantitative	Yes	SAQ						
Quan M, Wang X, Wu H, et al. Influencing factors on use of standard precautions against occupational exp	2015	To investigate how specific factors, including knowledge, attitude	2. Testing relationships among varia	Quantitative	Yes	Quan et al. 2015						
Quillivan RR, Burlison JD, Browne EK, Scott SD, Hoffman JM. Patient Safety Culture and the Second Victim	2016	to assess the influence of patient safety culture on second victim	2. Testing relationships among varia	Quantitative	Yes	HSOPS						
Raessi P, N. Reisi and A. A. Nasiripour (2018). "Assessment of Patient Safety Culture in Iranian Academic	2018	The goal of this study was to establish a baseline for PSC in Iranian	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Raftopoulos V, Pavlakis A. Safety climate in 5 intensive care units: a nationwide hospital survey using the	2013	The explicit need to focus on quality of care underpins the aim of	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Raftopoulos V, Savva N, Papadopoulou M. Safety culture in the maternity units: a census survey using the	2011	to initially evaluate the safety culture and teamwork climate in th	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Rajalatchumi, A., T. S. Ravikumar, K. Muruganandham, M. Thulasigam, K. Selvaraj, M. M. Reddy and B. Ja	2018	The aim of the study was to assess the perceptions on patient saf	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Ramos, R. R. and C. C. Calidgíd (2018). "Patient safety culture among nurses at a tertiary government hosp	2018	To assess the patient safety culture (PSC) among nurses at a gove	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Randmaa M, Mårtensson G, Swenne CL, Engström M. SBAR improves communication and safety climate a	2014	We aimed to examine staff members' perceptions of communicat	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Rasmussen K, Pedersen AH, Pape L, Mikkelsen KL, Madsen MD, Nielsen KJ. Work environment influences a	2014	The purpose of this study was to investigate the occurrence of ad	2. Testing relationships among varia	Quantitative	Yes	SAQ						
azzani, B., F. Atashzadeh-Shoorideh, T. Jamshidi, M. Barkhordari-Sharifabad, Z. Lotfi and V. Skerrett (2020)	2020	investigates the effect of education around ethical principles on n	4. Evaluation of an intervention	Quantitative	Yes	HSOPS						
Real K, Kim S, Conigliaro J. Using a validated health promotion tool to improve patient safety and increas	2013	This study employed the risk perception attitude (RPA) framewor	2. Testing relationships among varia	Quantitative	Yes	ahn & Murphy, 2008						
Reis CT, Laguardia J, Vasconcelos AG, Martins M. Reliability and validity of the Brazilian version of the Hos	2016	This study explored the reliability and validity of the Brazilian vers	3. Methodological focus	Quantitative	Yes	HSOPS						
Reis, C. T., J. Laguardia, C. G. De Barros, P. B. De Araujo Andreoli and M. Martins (2019). "Reliability and va	2019	This study aimed to reassess the psychometric properties of the	3. Methodological focus	Quantitative	Yes	HSOPS						
Relihan E, Glynn S, Daly D, Silke B, Ryder S. Measuring and benchmarking safety culture: application of the	2009	To assess the safety culture in an acute medical admissions unit (1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Reszel, J., D. Weiss, A. E. Sprague, D. B. Fell, S. Dunn, M. C. Walker, D. Sidney, M. Taljaard and W. E. Peters	2019	The purpose of our study was to assess the effect of MOREOB on	4. Evaluation of an intervention	Quantitative	Yes	ral Assessment Survey						
Rezaei, S. and S. Salehi (2018). "A Study of the Relationship between Emotional Intelligence and Patient Sa	2018	the aim of this study was to investigate the relationship between	2. Testing relationships among varia	Quantitative	Yes	HSOPS						
Ribelliene, J., A. Blazevičienė, R. J. Nadisauskienė, R. Tameliene, A. Kudrevičienė, I. Nedzelskiene and J. Mac	2019	The aim of the study was to evaluate the opinion of nurses and m	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Richter JP, McAlearney AS, Pennell ML. Evaluating the effect of safety culture on error reporting: a compar	2015	The study aims were to identify the organizational factors with th	2. Testing relationships among varia	Quantitative	Yes	HSOPS						
Richter JP, McAlearney AS, Pennell ML. The influence of organizational factors on patient safety: Examini	2016	Our aims were (a) to determine whether perceptions of organizat	2. Testing relationships among varia	Quantitative	Yes	HSOPS						
Richter JP, McAlearney AS. Targeted implementation of the Comprehensive Unit-Based Safety Program th	2016	The purpose of this study is to identify the significant factors of sa	4. Evaluation of an intervention	Quantitative	Yes	HSOPS						
Ricklin, M. E., F. Hess and W. E. Hautz (2019). "Patient safety culture in a university hospital emergency de	2019	the aim of the present study was to assess patient safety culture i	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Rigobello MCG, Carvalho R, Guerreiro JM, Motta APG, Atila E, Gimenes FRE. The perception of the patient	2017	The aim of this study was to assess the patient safety climate from	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Robida A. Hospital Survey on Patient Safety Culture in Slovenia: a psychometric evaluation. Int J Qual Heal	2013	To study the psychometric properties of a translated version of th	3. Methodological focus	Quantitative	Yes	HSOPS						
Roqueeta Egea F, Tomas Vecina S, Chanovas Borrás MR. Patient safety culture in 30 Spanish hospital emerg	2011	1) To ascertain the level of patient safety culture in hospital emer	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Rosen AK, Singer S, Shilbei Z, Shokeen P, Meterko M, Gaba D. Hospital safety climate and safety outcomes:	2010	explored the potential relationship between safety climate and Ve	2. Testing relationships among varia	Quantitative	Yes	PSCHO						
Røyset, B., B. A. Talseth-Palmer, S. Lydersen and P. G. Farup (2019). "Effects of a fall prevention program in	2019	This study assessed the effects of a fall prevention program on th	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Rozenbojm MD, Nichol K, Spielmann S, Holness DL. Hospital unit safety climate: Relationship with nurses' adherence	2015	Hospital unit safety climate: Relationship with nurses' adherence	2. Testing relationships among varia	Quantitative	Yes	HSCS						
Sabry, H. A., M. A. Soliman, H. M. Bazaraa and A. A. Hegazy (2020). "Improving patient safety at pediatric	2020	The researchers attempted to assess healthcare providers' persp	1. Descriptive or exploratory assess	Qualitative			Yes		Yes			
Sahebzamani M, Mohammady M. A study of patient safety management in the framework of clinical gov	2014	to evaluate patient safety management in the framework of clinic	1. Descriptive or exploratory assess	Quantitative	Yes	mani & Mohammady, 2014						
Saladino, L., Pickett, L. C., Frush, K., Mall, A., & Champagne, M. T. (2013). Evaluation of a nurse-led safety	2013	Evaluation of a nurse-led safety program in a critical care unit.	4. Evaluation of an intervention	Quantitative	Yes	SAQ						
Saleh AM, Darawad MW, Al-Hussami M. The perception of hospital safety culture and selected outcomes	2015	to examine nurses' perceptions of the hospital safety culture in Jo	2. Testing relationships among varia	Quantitative	Yes	HSOPS						
Salem, M., J. Labib, A. Mahmoud and S. Shalaby (2019). "Nurses' Perceptions of Patient Safety Culture in I	2019	To assess the patient safety culture dimensions from the nurses' p	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Sammer, C., L. D. Hauck, C. Jones, J. Zaiback-Aldinger, M. Li and D. Classen (2020). "Examining the Relatio	2020	The objective of this study was to examine the relationship betwe	2. Testing relationships among varia	Quantitative	Yes	ultiple - HSOPS, SAQ						
Samsuri SE, Pei Lin L, Fahrni ML. Safety culture perceptions of pharmacists in Malaysian hospitals and heal	2015	To assess the safety attitudes of pharmacists, provide a profile of	2. Testing relationships among varia	Quantitative	Yes	SAQ						
Santa, R., S. Borrero, M. Ferrer and D. Gherissi (2018). "Fostering a healthcare sector quality and safety cul	2018	The purpose of this paper is to identify the most important QSC d	1. Descriptive or exploratory assess	Quantitative	Yes	Santa et al., 2018						
Santana HT, Rodrigues MCS, Do Socorro Nantua Evangelista M. Surgical teams' attitudes and opinions tow	2016	to assess the attitudes and opinions towards surgical safety among	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ						
Santiago TH, Turrini RN. Organizational culture and climate for patient safety in Intensive Care Units. Revis	2015	To assess the perception of health professionals about patient saf	3. Methodological focus	Quantitative	Yes	ultiple - SAQ, HSOPS						
Sarac C, Flin R, Mearns K, Jackson J. Hospital survey on patient safety culture: psychometric analysis on a	2011	To investigate the psychometric properties of the Hospital Survey	3. Methodological focus	Quantitative	Yes	HSOPS						
Scherer D, Fitzpatrick JJ. Perceptions of patient safety culture among physicians and RNs in the perioperat	2008	Perceptions of patient safety culture among physicians and RNs in	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS						
Schubert M, Ausserhofer D, Desmedt M, et al. Levels and correlates of implicit rationing of nursing care in Sw	2013	(1) To describe the levels of implicit rationing of nursing care in Sw	2. Testing relationships among varia	Quantitative	Yes	SOS						
Schwappach, D. and A. Richard (2018). "Speak up-related climate and its association with healthcare work	2018	To determine frequencies of healthcare workers (HCWs) speak up	2. Testing relationships among varia	Quantitative	Yes	atient Safety Questionnaire (SUPS-Q)						
Schwappach, D., G. Sendhofer, L. Häslér, V. Gombotz, K. Leitgeb, M. Hoffmann, L. Jantscher and G. Brunne	2018	To analyze speaking up behavior and safety climate with a validat	1. Descriptive or exploratory assess	Quantitative	Yes	atient Safety Questionnaire (SUPS-Q)						
Schwappach, D., G. Sendhofer, L. P. Kamolz, W. Köle and G. Brunner (2019). "Speaking up culture of medic	2019	to assess students' speaking up behaviors and perceived culture in	1. Descriptive or exploratory assess	Quantitative	Yes	atient Safety Questionnaire (SUPS-Q)						

Walston SL, Al-Omar BA, Al-Mutari FA. Factors affecting the climate of hospital patient safety: a study of h	2010	The purpose of this paper is to describe three organizational dime	2. Testing relationships among vari	Quantitative	Yes	Walston et al. 2010				
Wami SD, Demisie AF, Wassie MM, Ahmed AN. Patient safety culture and associated factors: A quantitativ	2016	the aim of this study was to assess the level of patient safety cultu	1. Descriptive or exploratory assess	Mixed methods	Yes	HSOPS	Yes			
Wang X, Liu K, You LM, et al. The relationship between patient safety culture and adverse events: a questi	2014	to describe nurses' perception of patient safety culture and frequ	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Wang, K. Y., C. C. Chou and J. C. Y. Lai (2019). "A structural model of total quality management, work value	2019	This study explores the impact of total quality management on pa	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Wang, Y., H. Han, L. Qiu, C. Liu, Y. Wang and W. Liu (2019). "Development of a patient safety culture sc	2019	This study aimed to develop a patient safety culture (PSC) scale fo	3. Methodological focus	Quantitative	Yes	and Child Health Institutions (PSCS-MCHI) (Wang et al. 2019)				
Waterson P, Griffiths P, Stride C, Murphy J, Hignett S. Psychometric properties of the Hospital Safety Cl	2010	This study reports an assessment of the psychometric properties	3. Methodological focus	Quantitative	Yes	HSOPS				
Watts BV, Percarpio K, West P, Mills PD. Use of the Safety Attitudes Questionnaire as a measure in patient	2010	We report on an attempt to use the Safety Attitudes Questionnaire	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Weaver SJ, Rosen MA, DiazGranados D, et al. Does teamwork improve performance in the operating room? A r	2010	Does teamwork improve performance in the operating room? A r	4. Evaluation of an intervention	Quantitative	Yes	Multiple - HSOPS, ORMAQ				
Weaver SJ, Weeks K, Pham JC, Pronovost PJ. On the CUSP: Stop BSI: evaluating the relationship between c	2014	to investigate the relationship between intensive care unit (ICU) p	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Weaver, S. J., S. E. Mossburg, M. Pillari, P. S. Kent and E. L. D. Biddison (2018). "Examining Variation in Mer	2018	This study explored similarities and differences in the views on tes	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Weng R-H, Chen J-C, Pong L-J, Chen L-M, Lin T-C. The Impact of Market Orientation on Patient Safety Clima	2016	explores how market orientation affects the climate of patient saf	2. Testing relationships among vari	Quantitative	Yes	climate scale (Weng et al., 2012)				
Weng RH, Huang CY, Huang JA, Wang MH. The cross-level impact of patient safety climate on nursing inno	2012	To explore the cross-level effects of the four dimensions of patie	2. Testing relationships among vari	Quantitative	Yes	climate scale (Weng et al., 2012)				
Weng SJ, Kim SH, Wu CL. Underlying influence of perception of management leadership on patient safety	2017	We aim to draw insights on how medical staff's perception of ma	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Wijaya, M. I., A. R. Mohamad and M. Hafizurrahman (2020). "Shift schedule realignment and patient safe	2020	The purpose of this paper is to assess the association between sh	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Wolf, F. A., Way, L. W., & Stewart, L. (2010). The efficacy of medical team training: improved team perfor	2010	The efficacy of medical team training: improved team performanc	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Wu JC, Tung TH, Chen PY, Chen YL, Lin YW, Chen FL. Determinants of workplace violence against clinical p	2015	understanding how organizational factors influence workplace vic	2. Testing relationships among vari	Quantitative	Yes	1980) safety climate scale				
Wu WT, Wu YL, Hou SM, et al. Examining the effects of an interprofessional crew resource management tr	2016	The study aimed to investigate the effectiveness of this intervent	4. Evaluation of an intervention	Quantitative	Yes	ude Survey (HFAS, Grogan et al., 2004)				
Wu Y, Fujita S, Seto K, et al. The impact of nurse working hours on patient safety culture: a cross-national	2013	to clarify the impact of long nurse working hours on PSC in Japan,	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Wu, C. F., H. H. Wu, Y. C. Lee and C. H. Huang (2019). "What attributes determine overall satisfaction in pa	2019	This study assessed the attributes of the overall perception of (sa	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ				
Xu, X. P., D. N. Deng, Y. H. Gu, C. S. Ng, C. Cai, J. Xu, X. S. Zhang, D. G. Ke, Q. H. Yu and C. K. Chan (2018). "C	2018	This paper evaluates the current patient safety culture in an exper	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Yang, R., G. A. Pepper, H. Wang, T. Liu, D. Wu and Y. Jiang (2020). "The mediating role of power distance a	2020	(1) Identify nurses' perceptions of patient safety emphasis, face-s	2. Testing relationships among vari	Quantitative	Yes	ate scale (Blegen et al., 2005)				
Yari, S., M. H. Naseri, H. Akbari, S. Shahsavari and H. Akbari (2019). "Interaction of Safety Climate and Safe	2019	The aim of this study isto investigate the interaction between safe	2. Testing relationships among vari	Quantitative	Yes	smenit), Zeidi et al., 2012 (Safety Climate Questionnaire)				
Yilmaz Z, Goris S. Determination of the patient safety culture among nurses working at intensive care units	2015	To determine the patient safety culture among nurses working at	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Yu, B., C.-F. Wen, H.-L. Lo, H.-H. Liao and P.-C. Wang (2020). "Improvements in patient safety culture: a nat	2020	To assess national trends in patient safety culture in Taiwan	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ				
Yu, M., H. Y. Lee, G. Sherwood and E. Kim (2018). "Nurses' handoff and patient safety culture in perinatal	2018	To examine nursing handoff, identify causes of handoff errors, ev	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Zadow AJ, Dollard MF, McLinton SS, Lawrence P, Tuckey MR. Psychosocial safety climate, emotional exhau	2017	to examine how psychosocial safety climate (PSC) influences the c	2. Testing relationships among vari	Quantitative	Yes	social safety climate (PSC)				
Zadvinskis, I. M., P. J. Salsberry, E. M. Chippis, E. S. Patterson, L. A. Szalacha and K. A. Crea (2018). "An Expl	2018	This descriptive, cross-sectional study used the Safety Attitudes Q	2. Testing relationships among vari	Quantitative	Yes	SAQ				
Zaheer S, Ginsburg L, Chuang YT, Grace SL. Patient safety climate (PSC) perceptions of frontline staff in acu	2015	The broader organizational literature suggests that ease of report	2. Testing relationships among vari	Quantitative	Yes	CAN PSCS				
Zaheer, S., L. R. Ginsburg, H. J. Wong, K. Thomson and L. Bain (2018). "Importance of safety climate, team	2018	The impact of staff perceptions of safety climate (ie, senior and su	2. Testing relationships among vari	Quantitative	Yes	CAN PSCS				
Zarei E, Khakzad N, Reniers G, Akbari R. On the relationship between safety climate and occupational burn	2016	to investigate and establish a relationship between safety climate	2. Testing relationships among vari	Quantitative	Yes	Nurses (SCN, Sarasangi et al., 2015)				
Zecovic AA, Li AH, Ngo C, Halligan M, Kothari A. Improving safety culture in hospitals: Facilitators and barrier	2017	The purpose of this study was to assess the facilitators and barrier	1. Descriptive or exploratory assess	Mixed methods	Yes	MSI	Yes	Yes	Yes	
Zech A, Gross B, Jasper-Birzele C, et al. Evaluation of simparteam - a needs-orientated team training form	2017	Evaluation of simparteam - a needs-orientated team training form	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Zenere A, Zanolin ME, Negri R, Moretti F, Grassi M, Tardivo S. Assessing safety culture in NICU: psychomet	2016	The aims of the study are to verify the psychometric properties of	3. Methodological focus	Quantitative	Yes	SAQ				
Zhang, D., M. Liao, Y. Zhou and T. Liu (2020). "Quality control circle: a tool for enhancing perceptions of pa	2020	To explore whether quality control circle (QCC) is associated with	4. Evaluation of an intervention	Quantitative	Yes	HSOPS				
Zhang, F., L. Tian, X. Shang, X. Li, R. Xue, S. Cheng and C. Chen (2018). "Exploring relationships between fir	2018	To examine first-line nurse managers' perceptions of safety cultur	1. Descriptive or exploratory assess	Quantitative	Yes	SAQ				
Zhang, X., Q. Li, Y. Guo and S.-Y. Lee (2019). "From organisational support to second victim-related distress	2019	This cross-sectional correlation study aimed to explore the associ	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Zhao, C., Q. Chang, X. Zhang, Q. Wu, N. Wu, J. He and Y. Zhao (2019). "Evaluation of safety attitudes of hos	2019	The objectives of this study are to test the psychometric properie	3. Methodological focus	Quantitative	Yes	SAQ				
Zhong, X., Y. Song, C. Dennis, D. J. Slovinsky, L. Y. Wei, J. Chen and J. Ji (2019). "Patient safety culture in Pe	2019	This study aims to assess the patient safety culture in Peking Univ	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				
Zhou P, Bundorf MK, Gu J, He X, Xue D. Survey on patient safety climate in public hospitals in China. BMC	2015	This study aimed to describe staff's perceptions of patient safety c	1. Descriptive or exploratory assess	Quantitative	Yes	PSCHO				
Zhou, P., F. Bai, H. Q. Tang, J. Bai, M. Q. Li and D. Xue (2018). "Patient safety climate in general public hosp	2018	This study analysed differences in the perceived patient safety cli	1. Descriptive or exploratory assess	Quantitative	Yes	PSCHO				
Zhu J, Li L, Zhao H, Han G, Wu AW, Weingart SN. Development of a patient safety climate survey for Chine	2014	To develop and evaluate a patient safety climate instrument for h	3. Methodological focus	Quantitative	Yes	Hospital Survey on Patient Safety Climate				
Zhu J, Li L, Zhou Z, Lou Q, Wu AW. Variations in Patient Safety Climate in Chinese Hospitals. J Patient Saf. Z	2016	We examined variations in safety climate by work area and job ca	2. Testing relationships among vari	Quantitative	Yes	HSOPS				
Zhu, J. (2019). "Measurement equivalence of patient safety climate in Chinese hospitals: can we compare	2019	This study aims to examine the degree of measurement equivalen	3. Methodological focus	Quantitative	Yes	Hospital Survey on Patient Safety Climate				
Zimmermann N, Kueng K, Sereika SM, Engberg S, Sexton B, Schwendimann R. Assessing the safety attitude	2013	The objective of this study was to assess the psychometric proper	3. Methodological focus	Quantitative	Yes	SAQ				
Zohar D, Werber YT, Marom R, Curliou B, Blondheim O. Modifying head nurse messages during daily conve	2017	The current study adapts an empirically supported strategy devel	4. Evaluation of an intervention	Quantitative	Yes	PSCHO				
Zullo MD, McCarroll ML, Mendise TM, et al. Safety culture in the gynecology robotics operating room. Joun	2014	To measure the safety culture in the robotics surgery operating ro	4. Evaluation of an intervention	Quantitative	Yes	SAQ				
Zwijenberg NC, Hendriks M, Hoogervorst-Schilp J, Wagner C. Healthcare professionals' views on feedback	2016	to explore healthcare professionals' views on the feedback of a pa	1. Descriptive or exploratory assess	Quantitative	Yes	HSOPS				