

Anlagen zum Artikel:

Messung von Struktur-, Prozess- und Ergebnisqualität

Ein systematisches Review

Zusammenhang und Interventionsmöglichkeiten der Qualitätsdimensionen in der Routineversorgung

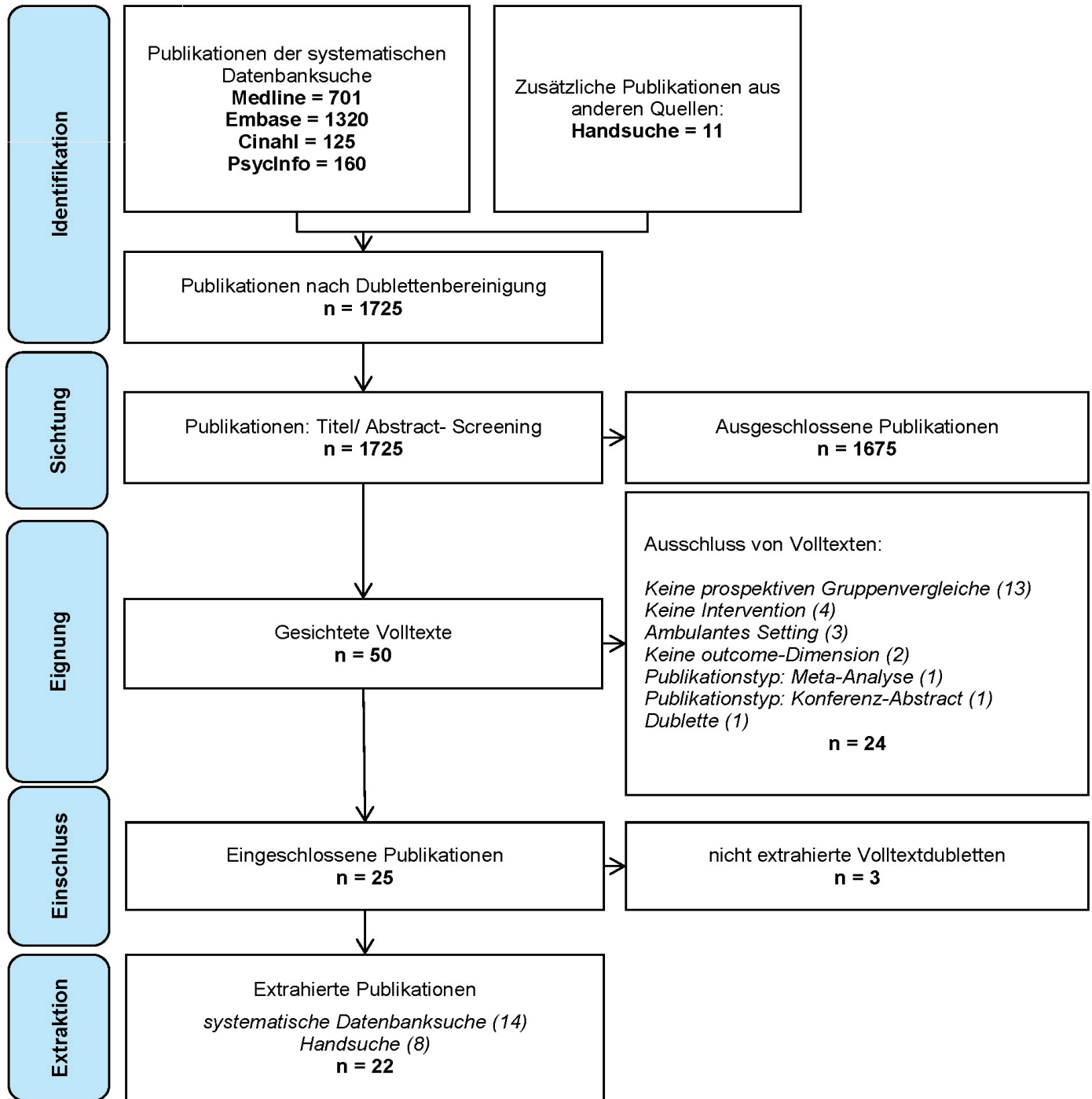
Anlage 1 - Ein- und Ausschlusskriterien nach PICO-Schema

	Einschlusskriterien	Ausschlusskriterien
Population	deutsches Gesundheitssystem (mindestens 25%); Stationärer Sektor oder sektorenübergreifend	Patienten außerhalb des deutschen Gesundheitssystems >75%; Setting: außerhalb / ohne Beteiligung stationärer Sektor
Intervention	geplante Intervention auf Struktur- und/oder Prozessqualitätsebene zur Verbesserung der Ergebnisqualität	keine geplante Intervention auf Struktur- oder Prozessqualitätsebene; keine Erfassung der Ergebnisqualität; thematischer Ausschluss: klassische Therapiestudien ohne QM-Hintergrund, Patientenschulungen
Vergleich	andere Struktur- und/oder Prozessintervention; Vergleichsgruppe ohne Intervention	keine Vergleichs- oder Kontrollgruppe; Ausschließlich historische Kontrollen
Ergebnis	Grad der Änderung der Ergebnisqualität in Abhängigkeit der veränderten Struktur- und/oder Prozessqualität	keine Quantifizierung der Ergebnisqualität
Studientyp	Kontrollierte Interventionsstudien Publikation in englischer und deutscher Sprache ab dem 01.01.2000	Tierstudien; nicht-interventionelle Studien; weder in englischer noch deutscher Sprache; Studienprotokolle; Veröffentlichung vor dem 01.01.2000;

Anlage 2 - Suchstrings der einzelnen Datenbanken

Medline	Embase	Cinahl	PsycInfo
german*.ab. Or german*.ti. or Germany/	german*.ab. Or german*.ti. or "german (citizen)"/	TI German* OR AB German*	TI German* OR AB German*
"Quality of Health Care"/ or Quality Control/ or quality.ti. or (quality and (healthcare or health-care or health care or patient care or medical care or treatment or health service)).ab.	quality.ti. Or (quality and (healthcare or health-care or health care or patient care or medical care or treatment or health service)).ab. or (health care quality/ or "quality of nursing care")	(MH "Quality of Care Research/AE/EC/ED/ES/EV/OG/ST/TU/UT") OR (MH "Quality of Health Care/ UT/ ST/ MT/ MA/ EV/ ED/ EC/AM") OR (MH "Quality Management, Organizational/AM/ED/MA/MT/ST/UT") OR (MH "Quality Assurance/ AM/ EC/ ED/ MA/ ST/SN") OR TI quality or AB (quality and (healthcare or health-care or health care or patient care or medical care or treatment or health service))	DE "Quality of Services" OR DE "Quality of Care" or TI quality or AB (quality and (healthcare or health-care or health care or patient care or medical care or treatment or health service))
(structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*).ti. or (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*).ab. OR (organizations/ or exp "organization and administration"/ or "process assessment (health care)" or Quality Indicators, Health Care/ or Organizational Innovation)	(structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*).ti. or (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*).ab. or (organizational structure/ or nursing process/ or process control/ or clinical indicator/ or health status indicator/ or nursing intervention/ or management/ or hospital management/ or participatory management/ or patient identification/ or exp personnel management/ or exp resource management/ or time management/ or total quality management/ or work schedule/ or workflow)	TI (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*) OR AB (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*) OR (MH "Quality Improvement/MT/MA/AM/ED/EC/ST/UT") OR (MH "Management+") OR (MH "Clinical Indicators") OR (MH "Root Cause Analysis") OR (MH "Variance Analysis")	TI (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*) OR AB (structur* or process* or indicator* or intervent* or implement* or chang* or donabedian*) OR DE "Organizational Characteristics" OR DE "Organizational Climate" OR DE "Organizational Structure" OR DE "Organizational Behavior" OR DE "Organizational Commitment" OR DE "Organizational Learning" OR DE "Organizational Objectives" OR DE "Quality of Work Life" OR DE "Organizational Change" OR DE "Downsizing" OR DE "Mergers and Acquisitions" OR DE "Change Strategies" OR DE "Decentralization" OR DE "Organizational Climate" OR DE "Organizational Crises" OR DE "Organizational Development"
outcome.ti. Or (outcome or endpoint*).ab. or "outcome assessment (health care)" or Endpoint Determination/	treatment outcome/ or adverse outcome/ or outcome assessment/ or outcome.ti. Or (outcome* or endpoint*).ab.	TI outcome* or AB (outcome* or endpoint*) or (MH "Outcome Assessment") OR (MH "Treatment Outcomes") OR (MH "Nursing Outcomes") OR (MH "Outcomes Research") OR (MH "Outcomes Health Care") or (MH "Adverse Health Care Event")	TI outcome* or AB (outcome* or endpoint*) or (DE "Treatment Outcomes") OR (DE "Side Effects (Treatment)")
(coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*).ti. Or (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*).ab. Or (Quality Improvement/ or Quality Assurance, Health Care)	(coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*).ti. Or (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*).ab. or (correlation coefficient/ or correlation analysis/ or correlation function/ or association/ or quality control procedures/ or process control/ or quality control/)	TI (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*) OR AB (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*) OR (MH "Program Implementation") OR (MH "Systems Implementation") OR (MH "Evaluation and Quality Improvement Program")	TI (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*) OR AB (coherenc* or influenc* or caus* or effect* or correlat* or relat* or cohesio* or associat* or improve* or evaluat* or implement* or control* or assur*) OR (MH "Program Implementation") OR (MH "Systems Implementation") OR (DE "Organizational Politics" OR DE "Statistical Correlation" OR (DE "Statistical Correlation" OR DE "Point Biserial Correlation" OR DE "Rank Difference Correlation" OR DE "Rank Order Correlation" OR DE "Tetrachoric Correlation" OR DE "Multivariate Analysis" OR DE "Statistical Regression" OR DE "Statistical Significance" OR DE "Statistical Validity" OR DE "Statistical Variables" OR DE "Clinical Audits" OR DE "Personnel Evaluation" OR DE "Program Evaluation" OR DE "Risk Assessment" OR DE "Self-Evaluation")
(case-control or follow-up or follow up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*).ti. or (case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*).ab. or (Longitudinal Studies/ or Prospective Studies/ or Retrospective Studies/ or Intervention Studies/ or Cohort Studies/ or exp Controlled Clinical Trials as Topic/ or case-control studies/ or Follow-Up Studies/)	(case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*).ti. or (case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*).ab. or (case control study/ or follow up/ or cohort analysis/ or longitudinal study/ or prospective study/ or retrospective study/ or intervention study/ or clinical trial/ or exp controlled clinical trial/)	TI (case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*) OR AB (case-control or follow up or follow-up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*) OR (MH "Retrospective Design") OR (MH "Prospective Studies") OR (MH "Case Control Studies") OR (MH "Double-Blind Studies") OR (MH "Intervention Trials") OR (MH "Preventive Trials") OR (MH "Randomized Controlled Trials") OR (MH "Single-Blind Studies") OR (MH "Triple-Blind Studies") OR (MH "Nonrandomized Trials") OR (MH "Pretest-Posttest Control Group Design") OR (MH "Controlled Before-After Studies")	TI (case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*) OR AB (case-control or follow-up or follow up or cohort* or longitud* or prospect* or retrospect* or intervent* or randomized* or multicenter* or clinical*) OR DE "Experimental Design" OR DE "Between Groups Design" OR DE "Clinical Trials" OR DE "Cohort Analysis" OR DE "Followup Studies" OR DE "Hypothesis Testing" OR DE "Longitudinal Studies" OR DE "Repeated Measures"
1 and 2 and 3 and 4 and 5 and 6	1 and 2 and 3 and 4 and 5 and 6	1 and 2 and 3 and 4 and 5 and 6	1 and 2 and 3 and 4 and 5 and 6
not (animals/ or Cross-Sectional Studies.pt. or Observational Study.pt. or review.pt. or meta analysis.pt.)	not (animal/ or cross-sectional study.pt. or Observational Study.pt. or review.pt. or Meta-Analysis.pt.)	NOT (MH "Vertebrates") OR (MH "Animal Population Groups") OR (PT "Cross Sectional Studies") OR (MH "Animal Studies") OR (MH "Nonexperimental Studies") OR (PT "Systematic Review") OR (PT "Literature Review") OR (PT "Meta Analysis") OR (PT "Meta Synthesis")	NOT (DE "Animals" OR PT "Literature Review" OR PT "Meta Analysis")
limit to (english or german)	limit to (english or german)	limit 8 to (english or german)	limit 8 to (english or german)
limit to yr="2000 -Current"	limit to yr="2000 -Current"	limit 9 to yr="2000 -Current"	limit 9 to yr="2000 -Current"

Anlage 3 - Suchergebnisse im Prisma-Schema



Anlage 4 - Charakteristika

Setting ¹			Mono-/ Multizentrisch ¹			Interventionsebene ¹			Finanzierung ²		
n	%		N	%		n	%		n	%	
12	67	Stationär	7	36	Monozentrisch	4	22	Struktur	2	9	Keine Angabe
6	33	Intersektoral	11	64	Multizentrisch	10	56	Prozess	3	14	Eigenmittel - Öffentliche Mittel
						4	22	Struktur + Prozess	13	59	Öffentliche Mittel
									3	14	Öffentliche Mittel - Industrielle Mittel
									1	5	Industrielle Mittel

1: Anzahl Studien als Grundgesamtheit: N=18

2: Angabe in Publikationen als Grundgesamtheit: N=22

3: Σ aller angegebenen Randomisierungen je Publikation: N=19

Anlage 5 - Methodik

Verblindung ²			Intention to Treat ²			Ja-Antworten ²								Beschreibung Prim. Zielgröße ³		
						Dop-Out		Randomisierung		Fallzahlkalkulation		Prim. Zielgröße				
n	%		n	%		n	%	n	%	n	%	n	%	n	% ³	
6	27	Ja	6	27	Ja	10	45	11	50	10	45	19	86	10	53	Genannt
1	5	Nein	0	0	Nein									2	11	Hypothese
3	14	Nicht möglich	16	73	Keine Angabe									7	37	Fallzahlkalkulation
12	55	Keine Angabe														

1: Anzahl Studien als Grundgesamtheit: N=18

2: Angabe in Publikationen als Grundgesamtheit: N=22

3: Σ aller angegebenen Randomisierungen je Publikation: N=19

Anlage 6 - Effektbeschreibung und Verteilung der Qualitätsdimensionen

Effektbeschreibung	Qualitätsdimension							
	Struktur		Prozess		Ergebnis			
	N	% ¹	n	% ²	n	% ²	n	% ²
Patientenbefragung	82	34%	0	0%	8	10%	74	90%
Ärztliche Angaben	47	19%	2	4%	21	45%	24	51%
Unerwünschte Ereignisse	58	24%	0	0%	0	0%	58	100%
Mortalität	21	9%	0	0%	0	0%	21	100%
Gesundheitsökonomische Daten	8	3%	0	0%	0	0%	8	100%
Behandlungsdauer	15	6%	0	0%	15	100%	0	0%
Andere	11	5%	0	0%	2	18%	9	82%
Σ	242	100	2	1¹	46	19¹	194	80¹

1: N = 242

2: N = Σ der jeweiligen inhaltlichen Ebene