

## Online Supplement

Table 1 More details on the papers included in the review (n=17) and their characteristics

Author, year	Country	Evaluation time (year)	Study method	Change intervention topic	Approach to change	Framework/Model to have guided change
Baker et al., 2019	USA	4	QN	Hospital acquired pneumonia prevention bundle	IP & CM	The Quality Trilogy; The Influencer Model
Flowers et al., 2016	AUS	1.3	QL	Intentional nursing rounding	IP	Not included
Flynn et al. 2019	CAN	3	QL	Lean implementation	IP	Not included
Hatlie et al. 2020	USA	6	QL	Patient and Family Advisory Councils on Quality and Safety Model	IP	Patient Safety Roadmap
McLean et al. 2017	USA	2	QN	Hand hygiene compliance	IR	Plan-Do-Study-Act; Principles of reliability science
Mitchell et al. 2017	USA	2.5	QL	Re-Engineered Discharge	IP	Not included
Montague et al. 2019	UK	2	QL	Patient Safety Huddle	IP	Not included
Parand et al. 2012	UK	1	QL	the UK Safer Patients Initiative	IR	Model for Improvement
Patel et al. 2017	USA	1.3	QN	Reduction in late-afternoon hospital discharges	IR	Model for Improvement
Porter et al. 2018	USA	20	QL	Fall prevention	IR	Not included
Rohatgi et al. 2019	USA	0.8	QN	Delirium prevention	IR	Plan-Do-Study-Act
Stolldorf et al. 2020	USA	2	MX	Medication reconciliation program	IR	Model for Evaluating Patient Safety Interventions
Pronovost et al. 2016	USA	1	QN	Improvement in the national quality indicators	IR	Individually developed four-phase model including Robust Process Improvement®
Knops et al. 2010	NLD	7	Multi	Best practice guidelines (fluid balance; body temperature)	IP	A stepwise model for implementing changes
Fleiszer et al. 2015	CAN	7.5	QL	Best practice guideline (nursing)	IP	Not included
Fleiszer et al. 2016	CAN	7.5	QL	Best practice guideline (nursing)	IP	Not included
Ford et al. 2014	USA	5	MX	Family-centred care	IP	Not included

AUS: Australia; CAN: Canada; CM: Change management IP: Implementation; IR: Improvement; NR: Not reported; QL: Qualitative; QN: Quantitative; MX: Mixed methods; Multi: Multi methods; NLD: Netherlands

\*Fleiszer et al. 2015 and Fleiszer et al. 2016 are from the same study.