

Supplement 1: Search strategy

Database	Ovid MEDLINE
Search terms	<p>“clinical decision support” OR “ decision support systems, clinical” OR “computer assisted diagnosis” OR “diagnosis, computer assisted” OR “computer assisted decision making” OR “decision making, computer- assisted” OR “decision support techniques” OR Artificial Intelligence” OR “cognitive aid” OR “CDSS” OR “Choice behaviour” OR “ choice architecture” OR “health behaviour” OR “Nudge” AND “critical care” OR “Intensive care unit” OR “ICU” OR “Intensive care units, Pediatric” OR “PICU” “Critical Care” OR “Intensive care units, Neonatal” OR “NICU” OR “peri-anaesthesia” OR “peri-operative” OR “anaesthesia” AND “Implementation Science” OR “Implementation” OR “Development” OR “Validation” AND limit to “English language” AND limit to “</p>
Limits	Publication year 2007 – 2022 English language