

Supplementary Information

S1 – Search Strategy

Ovid MEDLINE(R) ALL <1946 to April 12, 2024>

No.	Query	Results
1	exp Artificial Intelligence/ or (AI or "artificial intelligence" or AIVI or "classification algorithm*" or "computer heuristic*" or "convolutional network*" or DALL-E or "decision support system*" or "decision tree" or DeepAI or "deep learning" or "data science" or "feature detection" or "generative pre-trained transformer" or "generative pretrained transformer" or Invideo or "language learning model*" or "large language model*" or "learning algorithm*" or "machine learning" or (Markov adj3 model*) or Midjourney or ((multifactor* or multicriteria) adj3 ("decision analysis" or "decision making")) or "natural language process*" or "nearest neighbo*" or "neural network*" or "outlier detection" or "pattern recognition" or Perplexity or "probability tree" or "random forest" or "representation learning" or Runway AI or Runway Gen-1 or "Stable Diffusion" or "support vector machine*" or "transfer learning" or "Bing chat" or ChatGPT* or "Chat GPT" or "Google* Bard" or "Google* Gemini" or "IBM Watson" or "Microsoft* Bing" or "Microsoft* Copilot" or OpenAI or "Open AI" or PathAI or "Path AI").mp.	519141
2	exp Clinical Governance/	553
3	("governance" or "framework" or "checklist" or "check-list" or "model").mp.	3263090
4	2 or 3	3263090
5	implement*.mp.	752683
6	implement* framework.mp.	655
7	implement* model.mp.	591
8	implement* theory.mp.	179
9	5 or 6 or 7 or 8	752683
10	exp Hospitals/	326268
11	Health Services/	28172
12	"delivery of health care"/ or "delivery of health care, integrated"/ or digital health/	136749
13	10 or 11 or 12	477233
14	1 and 4 and 9 and 13	465

Embase <1974 to 2024 April 12>

No.	Query	Results
1	exp artificial intelligence/ or exp deep learning/ or exp machine learning/ or (AI or "artificial intelligence" or AIVI or "classification algorithm*" or "computer heuristic*" or "convolutional network*" or DALL-E or "decision support system*" or "decision tree" or DeepAI or "deep learning" or "data science" or "feature detection" or "generative pre-trained transformer" or "generative pretrained transformer" or Invideo or "language learning model*" or "large language model*" or "learning	769310

	algorithm*" or "machine learning" or (Markov adj3 model*) or Midjourney or ((multifactor* or multicriteria) adj3 ("decision analysis" or "decision making")) or "natural language process*" or "nearest neighbo*" or "neural network*" or "outlier detection" or "pattern recognition" or Perplexity or "probability tree" or "random forest" or "representation learning" or Runway AI or Runway Gen-1 or "Stable Diffusion" or "support vector machine*" or "transfer learning" or "Bing chat" or ChatGPT* or "Chat GPT" or "Google* Bard" or "Google* Gemini" or "IBM Watson" or "Microsoft* Bing" or "Microsoft* Copilot" or OpenAI or "Open AI" or PathAI or "Path AI").mp.	
2	("governance" or "framework" or "checklist" or "check-list" or "model").ti,ab.	3976904
3	implement*.mp.	971772
4	implement* framework.mp.	767
5	implement* model.mp.	685
6	implement* theory.mp.	170
7	3 or 4 or 5 or 6	971772
8	exp hospital/	1473899
9	(hospital or "acute care setting").mp.	2911422
10	8 or 9	3279594
11	1 and 2 and 7 and 10	2534

Scopus

(TITLE-ABS-KEY ("ai" OR "artificial intelligence" OR "machine learning" OR "ML" OR "deep learning model" OR "computer neural network" OR "intelligent machine") AND TITLE-ABS-KEY ("governance" OR "framework" OR "checklist" OR "check-list" OR "model") AND TITLE-ABS-KEY ("implement*" OR "implement* framework" OR "implement* model" OR "implement* theory") AND TITLE-ABS-KEY ("hospital" OR "acute setting" OR "acute care setting"))

Results: 1988

S2 – Supplementary Data: Details of Included Studies

S3 – Supplementary Data: Ethics Principles Mapping

S4 – Supplementary Data: Governance Principles Mapping

S5 - Supplementary Data: Key Components Mapping