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Barriers, limitations, and challenges to the implementation of artificial intelligence in Latin American healthcare systems: a scoping review

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Online Resource 3: the 56 reports excluded at the full-text stage, with the unified PRISMA exclusion reason, and the five reports sought but not retrieved.

Study	Year	Unified exclusion reason	Ref.
Ribeiro (2025)	2025	Reason 1 — Not human healthcare	[1]
AlGanad (2026)	2026	Reason 2 — No Latin American data or results	[2]
Bai (2026)	2026	Reason 2 — No Latin American data or results	[3]
Dangi (2025)	2025	Reason 2 — No Latin American data or results	[4]
Ismail (2026)	2026	Reason 2 — No Latin American data or results	[5]
Kim (2024)	2024	Reason 2 — No Latin American data or results	[6]
Mallon (2025)	2025	Reason 2 — No Latin American data or results	[7]
Mallon (2025)	2025	Reason 2 — No Latin American data or results	[8]
Mukherjee (2025)	2025	Reason 2 — No Latin American data or results	[9]
Oduoye (2024)	2024	Reason 2 — No Latin American data or results	[10]
Scipion (2025)	2025	Reason 2 — No Latin American data or results	[11]
Sibiya (2025)	2025	Reason 2 — No Latin American data or results	[12]
Webking (2026)	2026	Reason 2 — No Latin American data or results	[13]
Guan 2026	2026	Reason 2 — No Latin American data or results	[14]
Krones 2024	2024	Reason 2 — No Latin American data or results	[15]
Righetto 2022	2022	Reason 2 — No Latin American data or results	[16]
Alami 2020	2020	Reason 2 — No Latin American data or results	[17]
López 2022	2022	Reason 2 — No Latin American data or results	[18]

AlonsoVega (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[19]
Araya (2024)	2024	Reason 3 — Technical/model-performance only, no implementation component	[20]
Bautista (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[21]
Bellei (2024)	2024	Reason 3 — Technical/model-performance only, no implementation component	[22]
Bismadhika (2021)	2021	Reason 3 — Technical/model-performance only, no implementation component	[23]
Camargo (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[24]
CanonBuitrago (2024)	2024	Reason 3 — Technical/model-performance only, no implementation component	[25]
ChavezEcos (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[26]
Coiman (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[27]
Espinosa (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[28]
Fonseca (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[29]
Furtado (2026)	2026	Reason 3 — Technical/model-performance only, no implementation component	[30]
Gutierrez (2024)	2024	Reason 3 — Technical/model-performance only, no implementation component	[31]
Hassan (2026)	2026	Reason 3 — Technical/model-performance only, no implementation component	[32]
MenesesClaudio (2023)	2023	Reason 3 — Technical/model-performance only, no implementation component	[33]
MezaRodriguez (2023)	2023	Reason 3 — Technical/model-performance only, no implementation component	[34]
OforiBoateng (2024)	2024	Reason 3 — Technical/model-performance only, no implementation component	[35]
OrmenoArriagada (2025)	2025	Reason 3 — Technical/model-performance only, no	[36]

		implementation component	
Poblete (2023)	2023	Reason 3 — Technical/model-performance only, no implementation component	[37]
Ramirez (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[38]
Rodrigues (2025)	2025	Reason 3 — Technical/model-performance only, no implementation component	[39]
Santos (2021)	2021	Reason 3 — Technical/model-performance only, no implementation component	[40]
Vargas (2016)	2016	Reason 3 — Technical/model-performance only, no implementation component	[41]
Zhang (2026)	2026	Reason 3 — Technical/model-performance only, no implementation component	[42]
Abreu 2024	2024	Reason 4 — Not related to AI/ML or digital transformation	[43]
Aranda 2025	2025	Reason 4 — Not related to AI/ML or digital transformation	[44]
Barbalho 2022	2022	Reason 4 — Not related to AI/ML or digital transformation	[45]
Cardoso 2026	2026	Reason 4 — Not related to AI/ML or digital transformation	[46]
Colafranceschi 2019	2019	Reason 4 — Not related to AI/ML or digital transformation	[47]
DaSilva 2025	2025	Reason 4 — Not related to AI/ML or digital transformation	[48]
Capasso 2024	2024	Reason 4 — Not related to AI/ML or digital transformation	[49]
Figueiredo 2025	2025	Reason 4 — Not related to AI/ML or digital transformation	[50]
Orrillo 2025	2025	Reason 4 — Not related to AI/ML or digital transformation	[51]
PAHO 2023	2023	Reason 4 — Not related to AI/ML or digital transformation	[52]
Rizvi 2023	2023	Reason 4 — Not related to AI/ML or digital transformation	[53]

Portillho 2024	2024	Reason 4 — Not related to AI/ML or digital transformation	[54]
Rivabem 2025	2025	Reason 4 — Not related to AI/ML or digital transformation	[55]
Jhamile (2024)	2024	Reason 5 — Excluded publication type	[56]

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Reports sought but not retrieved (n = 5)

These five reports met the title and abstract screening criteria and were sought for retrieval, but no full text could be obtained through institutional access, the publisher or Unpaywall. They were therefore never assessed for eligibility and carry no exclusion reason; they are not part of the 56 above. Four are closed-access chapters in conference proceedings and the fifth carries no digital object identifier, which is the part of the regional publishing landscape least well served by open access and by indexing. Three are Mexican or regionally framed by title, so their in-scope status cannot be ruled out.

Study	Year	DOI	Open-access status
Proposal to Strengthen CNNs in Prostate Cancer Detection in the Face of Adversarial Threats	2025	10.1007/978-981-97-8096-9_15	closed
Proposal of an electronic health record integrated to an artificial intelligence system for early detection of sepsis	2020	None	not in Unpaywall
Essential Elements for the Implementation of Smart Hospitals in Mexico: Context Analysis, Technologies, and Challenges	2026	10.1007/978-3-032-13722-7_35	closed
Smart Monitoring of Maternal Health: An IoT-IA Hybrid Model for Predicting and Preventing Obstetric Near-Miss	2026	10.1007/978-3-032-10731-2_35	closed
Adoption of Artificial Intelligence in Health: Perspectives from Nuevo León, Mexico	2025	10.1007/978-981-96-0426-5_25	closed