RB Weekly AI Brief - Issue 3 - 21.04.2026

Covering the week of 21.04.2026 · Issue 3 of the RB Weekly AI Brief

AI News Roundup

Regulatory & HTA Signals

No qualifying HTA news items identified this week. This section requires stories from official HTA body sources or specialist health policy outlets — general AI regulation stories are excluded.

Regulation & Policy

Trump Admin Releases National AI Policy Framework

On March 20, 2026, the White House released its National Policy Framework for Artificial Intelligence containing sweeping legislative recommendations for a unified federal approach to AI governance. While the Framework does not create binding legal obligations, it is likely to shape federal AI legislation.

So what? *This Framework signals federal preemption of state AI laws and deregulatory approach, which could invalidate existing state regulations affecting healthcare AI companies and reduce compliance complexity for market access professionals.*

Consumer Finance Monitor

New York RAISE Act Takes Effect March 19

The RAISE Act imposes transparency, compliance, safety, and reporting requirements on certain developers of large 'frontier' AI models. The RAISE Act took effect March 19, 2026.

So what? *This represents the first major state implementation of AI-specific regulations affecting frontier model developers, establishing precedent for evidence requirements that HTA professionals may need to address in dossiers involving AI-derived endpoints.*

Alston & Bird

Healthcare & Life Sciences

Novo Nordisk Partners with OpenAI for Discovery

The partnership will enable Novo to better use AI to analyze complex datasets, and identify promising new drugs. It comes as drugmakers are increasingly turning to AI to improve operations and lengthy processes.

So what? *This major pharma-AI partnership demonstrates enterprise-scale adoption of generative AI in drug discovery, potentially accelerating development timelines and creating new evidence generation challenges for HTA submissions.*

CNBC

FDA Shifts Breakthrough Criteria for AI Devices

An analysis shows that the agency appears to be prioritizing big-picture, multi-problem AI solutions. Algorithms that simply improve a doctor's capabilities are no longer enough: AI breakthroughs increasingly solve problems that physicians simply can't.

So what? *This FDA evolution means AI medical devices must demonstrate transformative clinical value beyond physician assistance, raising the bar for breakthrough designation and impacting market access strategies for incremental AI innovations.*

STAT

Models & Research

Anthropic Releases 10-Trillion Parameter Claude Mythos 5

Anthropic drops 10-Trillion parameter Claude Mythos 5, marking a historical milestone as the first widely recognized ten-trillion-parameter model. This behemoth is specifically engineered for high-stakes environments, excelling in cybersecurity, academic research, and complex coding environments.

So what? *This frontier model's scale enables unprecedented analytical capabilities for complex biomedical research, potentially transforming systematic literature reviews and evidence synthesis processes that underpin HTA dossiers.*

devFlokers

Meta Launches Muse Spark Multimodal AI Model

Meta has introduced Muse Spark, a new AI model designed to power its apps and devices, including Facebook, Instagram, WhatsApp, and smart glasses. The model supports multimodal input and can coordinate multiple sub-agents to handle complex queries.

So what? *Muse Spark's multimodal agent coordination capabilities could enable more sophisticated patient engagement and real-world evidence collection through Meta's platforms, creating new data sources for HEOR and outcomes research.*

MarketingProfs

Academic Paper Summaries

Selected from PubMed · Published within the last 12 months · New selections each week

Domain Paper — HEOR / Health Economics / Market Access

Value-based large language model agent simulation for mutual evaluation of trust and interpersonal closeness.

Sakamoto Y, Uchida T, Ishiguro H · Scientific reports · 2025

#ClinicalAI

This study tested whether AI language models can simulate human social behavior by creating virtual agents with different values and observing how they interact. The researchers found that AI agents with similar values developed greater trust and closer relationships, just like humans do. This demonstrates that AI simulations can be used to test social science theories and understand how human relationships form.

PMID: 41285997	PubMed →	DOI →

AI Research Paper 1

Artificial Intelligence Applications in Healthcare: A Systematic Review of Their Impact on Nursing Practice and Patient Outcomes.

Abdelmohsen SA, Al-Jabri MM · Journal of nursing scholarship : an official publication of Sigma Theta Tau International Honor Society of Nursing · 2025

#ClinicalAI · #PatientOutcomes · #NLP

This systematic review analyzed nearly 6,000 studies to understand how artificial intelligence is impacting nursing practice and patient care. The research found that AI tools like machine learning and natural language processing improved diagnostic accuracy, reduced nurses' administrative workload, and enhanced patient management efficiency. These findings show AI can significantly support healthcare delivery by making nursing work more efficient while improving patient outcomes.

PMID: 40836587	PubMed →	DOI →

AI Research Paper 2

Artificial intelligence in healthcare and medicine: clinical applications, therapeutic advances, and future perspectives.

Fahim YA, Hasani IW, Kabba S, et al. · European journal of medical research · 2025

#ClinicalAI · #DrugDevelopment · #Diagnostics

This comprehensive review examined how artificial intelligence is transforming healthcare by analyzing medical data to improve diagnosis, treatment planning, and patient monitoring. The study found that AI can enhance disease detection, enable personalized medicine, accelerate drug discovery, and make healthcare more accessible in low-resource settings. However, successful implementation requires addressing challenges like data privacy, algorithmic bias, and the need for proper regulatory oversight.

PMID: 40988064	PubMed →	DOI →