ANA Innovation Advisory Committee

DATA SCIENCE, ARTIFICIAL & AUGMENTED INTELLIGENCE

www.nursingworld.org/innovation
Data Science, Artificial & Augmented Intelligence

$150B

could be saved by the U.S. healthcare economy by 2026 using clinical health AI applications (Accenture Study)¹

$208B

is the projected market size for global AI healthcare solutions (Grandview Research)²

2027

is the year when chatbots are expected to become the primary customer service mechanism for roughly one quarter of all organizations (Gartner)⁷

94%

of business leaders agree that AI is critical to success over the next five years (Deloitte)⁷

25.7%

compound annual growth rate of global data driven decision making and healthcare analytics market between 2022-2027 (Markets and Markets)⁵

3x

increase in hospitals implementing artificial intelligence into operations (World Economic Forum)³

$100B

of potential revenue could be generated for pharma and medicine using big data and machine learning (McKinsey)⁴

20M

in new grants will support digital equity in healthcare for the state of Massachusetts (Broadband Institute)⁸

¹ https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7071240/
² https://www.grandviewresearch.com/industry-analysis/ai-healthcare-market
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1 landmark resolution led to the formation of the Coalition to End Racism in Clinical Algorithms which declared racism a public health crisis and to end the inclusion of race adjustment in clinical algorithms (NY Government)¹

$39B have been lost by healthcare organizations related to data breaches between 2017-2023 (Comparitech)²

24-48hrs of patient census and patient flow were predicted with high accuracy using advanced data analytics and AI (Children’s Mercy)⁵

43% of c-suite executives believe their organization’s leadership team has sufficient knowledge and understanding of AI skills (World Economic Forum)⁶

$1.3T dollars could be added to the global economy by 2023 because of quantum computing (McKinsey)³

HOURS were all it took for a deep learning algorithm to identify new antibiotic resistant compounds to fight antibiotic resistant infections, when in the past it took 12 years (Scientific American)⁴