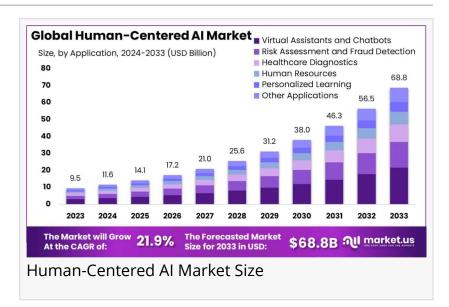


Human-Centered Al Market Growth, With Projections Estimating its Value to Reach USD 68.8 billion by 2033

North America dominated a 38.0% market share in 2023 and held USD 3.61 Billion in revenue from the Human-Centered Al Market...

NEW YORK, NY, UNITED STATES, February 19, 2025 /EINPresswire.com/ -- The <u>Human-Centered AI market</u> is poised for substantial growth, with projections estimating its value to reach USD 68.8 billion by 2033, from USD 9.5 billion in 2023, achieving a robust CAGR of 21.9%. North America holds a significant 38% market share,



driven by the increasing integration of AI technologies aimed at augmenting human capabilities rather than replacing them.

"

In 2023, Virtual Assistants and Chatbots held a dominant market position in the By Application segment of the Human-Centered AI Market, capturing more than a 31.5% share..." Tajammul Pangarkar

Key Takeaways

The Global Human-Centered AI Market is projected to reach approximately USD 68.8 billion by 2033, up from USD 9.5 billion in 2023, growing at a compound annual growth rate (CAGR) of 21.9% from 2024 to 2033. These technologies have become essential in improving

customer interactions and automating communication across various industries. Virtual assistants and chatbots have been prominent in this growth, while risk assessment and fraud detection have also seen a significant rise, reflecting the increasing dependence on AI to secure digital transactions and improve risk evaluation.

Al's impact on healthcare diagnostics has led to faster and more accurate diagnostic solutions, contributing significantly to the market segment. Additionally, applications in human resources and personalized learning have gained traction, with businesses using AI to optimize HR operations and customize educational content to individual learning preferences. The "Other Applications" category, encompassing a range of emerging AI technologies, also experienced considerable growth, highlighting the broadening integration of AI across multiple industries.

Human-centered AI emphasizes creating ethical, transparent systems that enhance human experiences across various industries, such as healthcare, education, and customer service.

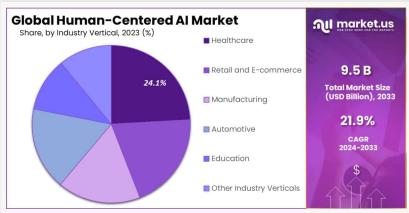
The market's growth is propelled by

technological advancements in machine learning and <u>natural language processing</u>, facilitating more intuitive AI-human interactions. Companies are increasingly investing in AI solutions that respect user privacy and enhance productivity, meeting growing demands for ethical <u>AI</u> <u>applications</u> unique to Human-Centered AI.

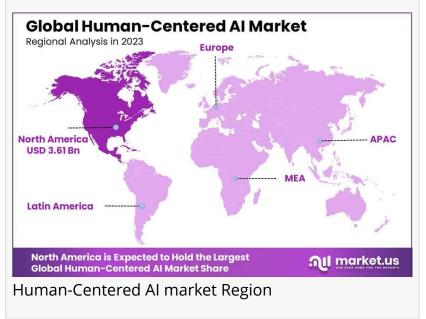
Experts Review

Government Incentives and Technological Innovations: The substantial governmental investment in AI research, as seen in the U.K. and U.S., highlights the importance of human-centered development. Technological strides in natural language processing and machine learning are instrumental in refining AI tools that are safe and effective.

Investment Opportunities & Risks: The sector offers significant investment opportunities, given its growth potential. Risks include high development costs and the challenge of meeting ethical



Human-Centered AI market Share



standards, which could dampen adoption rates if not cost-effectively addressed.

Consumer Awareness: As awareness grows, consumers demand more personalized and ethically sound AI solutions, driving companies to innovate while ensuring adherence to privacy standards.

Technological Impact: Human-centered AI technologies are shaping sectors by improving user engagement and operational efficiency. This impact is particularly profound in customer service and healthcare.

Regulatory Environment: While regulations are evolving, they emphasize ethical AI practices that prioritize human values, providing clear frameworks for companies to develop compliant technologies.

Report Segmentation

The market is segmented by application and industry vertical. Key applications include Virtual Assistants and Chatbots, Risk Assessment and Fraud Detection, Healthcare Diagnostics, Human Resources, and Personalized Learning. These segments emphasize Al's role in enhancing digital interactions through personalization and improved decision-making. Industries such as Healthcare, Retail and E-commerce, Manufacturing, Automotive, and Education benefit from Al's adaptability and innovation potential.

Healthcare leads with a 24.1% share, leveraging AI for precise diagnostics and patient care, followed by Retail and E-commerce, which utilize AI for personalized shopping and supply chain optimization. Collectively, these segments demonstrate the expansive potential of Human-Centered AI to drive efficiencies and innovation across diverse sectors.

Key Market Segments

By Application Virtual Assistants and Chatbots Risk Assessment and Fraud Detection Healthcare Diagnostics Human Resources Personalized Learning Other Applications

By Industry Vertical Healthcare Retail and E-commerce Manufacturing Automotive Education Other Industry Verticals

Drivers, Restraints, Challenges, and Opportunities

Drivers: The market is driven by the need for ethical AI that enhances user experience and complies with regulatory frameworks, leading industries to invest in transparent and human-centric systems.

Restraints: Development costs and the complexity of integrating ethical principles in AI design are significant restraints, limiting immediate adoption among companies cautious about the return on their investments.

Challenges: Balancing rapid AI innovation with ethical guidelines and public trust is a key challenge. Ensuring global standardization for human-centered practices remains difficult due to varying cultural norms.

Opportunities: There is an opportunity to create AI systems that adapt to diverse human behaviors and cultural contexts, driving innovation in personalized services and expanding user engagement.

Key Player Analysis

Major players like IBM, Microsoft, and Google dominate the Human-Centered AI market. IBM focuses on ethical AI and enhancing trust through transparent processes. Microsoft advances AI across sectors, promoting human-machine collaboration. Google leads in innovation, ensuring AI enhances human decisions without displacement. These players set industry standards for ethical and human-centric AI development, consistently delivering solutions that prioritize user experience and ethical considerations.

Top Key Players in the Market

IBM Corporation Microsoft Corporation Google LLC Accenture plc Salesforce, Inc. Tata Consultancy Services Limited Vianai Systems, Inc. Other Key Players

Recent Developments

Noteworthy advancements include Tata Consultancy's \$50 million AI contract for supply chain management and Salesforce's acquisition of an AI ethics startup to enhance cloud services. Additionally, Accenture's AI framework, launched in March 2023, aims to improve customer interactions, highlighting ongoing innovation in ethical and efficient AI applications. These developments reflect the strategic movements within the industry to meet evolving market demands for ethical, human-centered AI solutions.

Conclusion

The Human-Centered AI market is positioned for significant growth, blending technological innovation with ethical AI practices. As industries seek personalized and efficient interactions, this market addresses various needs while ensuring safety and transparency. Continued focus on ethical AI will catalyze broader adoption and integration of AI, confirming its pivotal role in transforming industry operations and user experiences.

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