

AI:10

GET INSIGHTS ON AI UNDER 10 MINUTES



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Latest News

**NEC RECENTLY LAUNCHED
AN AI MEDICAL DEVICE
SOFTWARE FOR
COLONOSCOPES**

Sector Focus

**AI USAGE IN
HEALTHCARE MARKET
REPORT 2020**

Special AI Features

**RESTORE &
REBUILD 2021/22**

**HEADLINE
NEWS IN A
FLASH**

**5 Ways to Prevent
Social Inequality,
deepened by AI**



NEC Recently Launched An AI Medical Device Software For Colonoscopies

NEC, a Japanese multinational IT and electronics company has recently released the development of an AI diagnosis-support medical device software for colonoscopies, naming it WISE VISION Endoscopy. The software connects with existing endoscopy equipment as part of using AI to automatically mark potential lesions from images taken during endoscopic procedures. In Japan, the most common cancer is colorectal cancer.

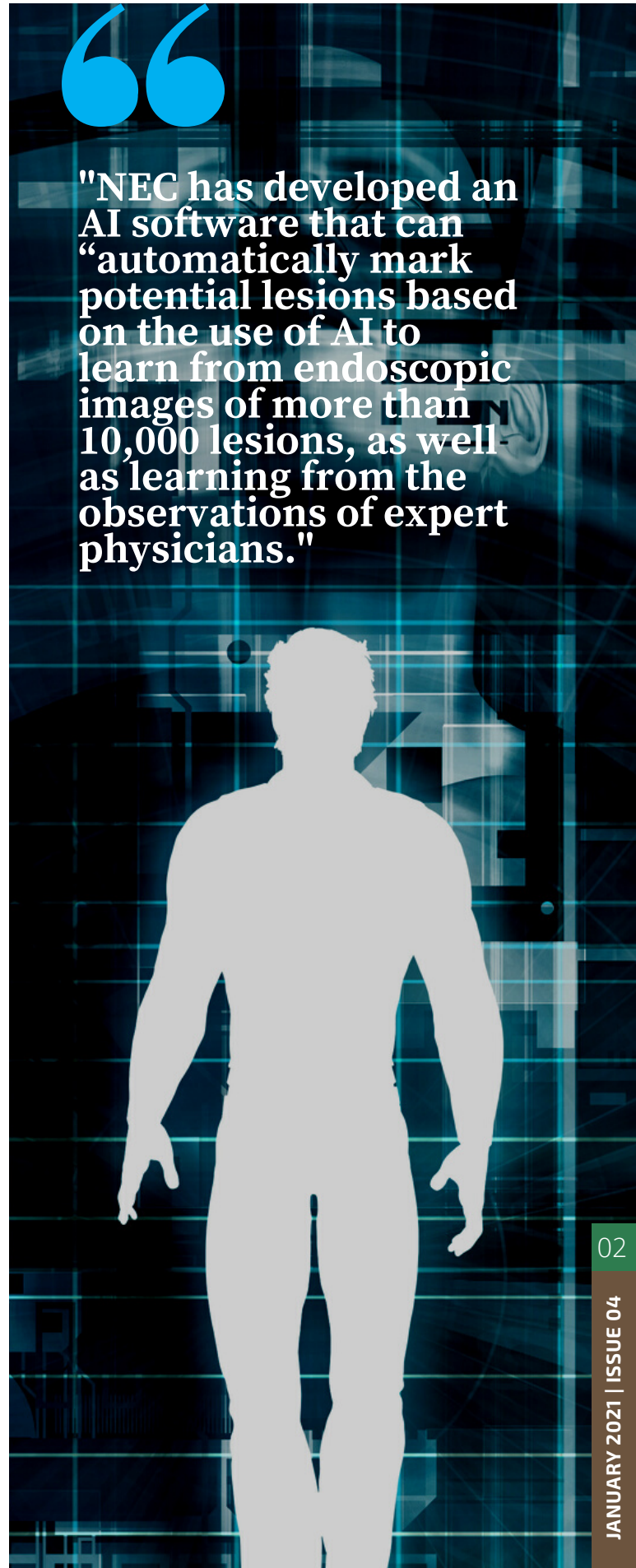
“Colorectal cancer originates from precancerous lesions (colorectal neoplastic polyps) and it is possible to suppress the progression to cancer by detecting and removing lesions at the polyp stage during endoscopy procedures. However, polyps need to be found with the eye of an endoscopist, and are often difficult to detect because of their size and shape, causing approximately 24% (according to a journal article by Gastroenterology) to be missed, thereby delaying detection.”

Since 2016, NEC together with National Cancer Center Japan to contribute to resolving this issue. Now, NEC has developed an AI software that can “automatically mark potential lesions based on the use of AI to learn from endoscopic images of more than 10,000 lesions, as well as learning from the observations of expert physicians.” ■

SOURCE: HEALTHCARE IT NEWS BLOG



"NEC has developed an AI software that can automatically mark potential lesions based on the use of AI to learn from endoscopic images of more than 10,000 lesions, as well as learning from the observations of expert physicians."



5 WAYS TO PREVENT SOCIAL INEQUALITY, DEEPENED BY AI

A paper demonstrating how businesses can identify algorithmic bias in AI systems, and how they can mitigate it was published by Gradient Institute. The work was produced in collaboration with the Australian Human Rights Commission, Consumer Policy Research Centre, CSIRO's Data61 and the CHOICE advocacy group.



A lack of suitable training data, or as a result of inappropriate system design or configuration may lead algorithmic bias to arise. In order to mitigate this, Gradient Institute investigated several ways in which algorithmic bias can arise.

For the research, the researchers ran a simulation of a hypothetical electricity retailer using an AI-powered tool to decide how to offer products to customers and on what terms. The simulation was trained on fictional historical data made up of fictional individuals.

Based on the results, the researchers identified five approaches to correcting algorithmic bias.

Get better data

1 The risk of algorithmic bias can be reduced by obtaining additional data points or new types of information on individuals, especially those who are underrepresented (minorities) or those who may appear inaccurately in existing data.

Pre-process the data

2 This consists of editing a dataset to mask or remove information about attributes associated with protections under anti-discrimination law, such as race or gender.





"The specific measure chosen to guide an AI system directly influences how it makes decisions across different groups."

Increase model complexity

3 A simpler AI model can be easier to test, monitor and interrogate. But it can also be less accurate and lead to generalisations which favour the majority over minorities.

Modify the system

4 The logic and parameters of an AI system can be proactively adjusted to directly counteract algorithmic bias. For example, this can be done by setting a different decision threshold for a disadvantaged group.

Change the prediction target

5 The specific measure chosen to guide an AI system directly influences how it makes decisions across different groups. Finding a fairer measure to use as the prediction target will help reduce algorithmic bias. ■

SOURCE: THE STANDARD

AI CAN SAVE TAXPAYERS MONEY: JAIC CHIEF

WASHINGTON: “When you talk about defense spending, there are very few places that you can spend money and actually get a positive fiscal return on your investment,” notes Lt. Gen. Mike Groen, director of the Pentagon’s Joint Artificial Intelligence Center said - if the Pentagon can reform its cumbersome bureaucracy to exploit rapid advances in technology.■

SOURCE: BREAKING DEFENSE

AI EMERGENCE IN SOUTH ASIA

It seems sci-fi, but in the next decade, technology will give a new look to warfare

Artificial intelligence is a new emerging technology. Over time, this will be ready to take more responsibility for humans in the military and commercial markets. After astonishing research, most countries have started working on the blending of AI into their military doctrines. Such a shift is extensively seen in the south Asian region as well.■

SOURCE: PAKISTAN TODAY



ISPOT BUYS ACE METRIX TO EXPAND ANALYTICS FOR TV AND CTV ADS

Ace Metrix and iSpot are a good fit for each other in providing more comprehensive, real-time measurement tools for marketers. Ace Metrix examines how viewers feel about what they see while iSpot helps to measure the reach and business outcomes for advertising. The complementary services can provide a more complete view of the effectiveness of TV advertising in real time so marketers can optimize their buys. Ace Metrix's measurements include brand recall, purchase intent and likeability, among other metrics.■

SOURCE: MARKETING DIVE





FDA ISSUES ACTION PLAN FOR REGULATING AI IN MEDICAL DEVICES

The action plan comes amid calls for regulatory clarity from AdvaMed and others on machine learning algorithms that continually evolve without the need for manual updates. FDA so far has approved or cleared only devices that use "locked" algorithms that do not change in this way.■

SOURCE: HEALTHCARE DIVE

ASIA-PACIFIC CONTACT CENTER APPLICATIONS MARKET TO SEE GROWTH, THANKS TO ANALYTICS

Frost & Sullivan's recent analysis finds that COVID-19 has accelerated the rate of migration from on-premise solutions to cloud-based services, given the need to provide outstanding customer experience (CX) remotely. However, required investments are higher in these countries than in China, India, Malaysia, Thailand, Indonesia and the Philippines. The buoyant market in the region comprised of on-premise and cloud applications is expected to grow from US\$719.5 million to US\$966.5 million by 2026 at a compound annual growth rate (CAGR) of 4.3%.■

SOURCE: CANADIAN MANUFACTURING



BLACKROCK MAKES MINORITY INVESTMENT IN CLARITY AI

Clarity AI's tech platform provides insights on social and environmental impact of over 30,000 companies of almost 200 countries.

The US asset manager BlackRock, which has ended 2020 with \$8.68trn in assets under management and \$391bn net inflows, has announced on Thursday a minority investment in Spanish fintech Clarity AI. The financial details of the transaction were not disclosed. BlackRock is joining existing shareholders among which Deutsche Börse, Kibo Ventures, Mundi Ventures, Seaya Ventures and Founders Fund.

Clarity AI uses big data and machine learning to create sustainability and impact insights and expand these to companies, countries and local governments. Its proprietary technology and data science capabilities across environmental and social impact analyse over 30,000 companies, spanning almost 200 countries. Moreover, it supports regulatory and client reporting to help investors meet new sustainability disclosure obligations.

This strategic partnership intends to boost BlackRock's risk management platform Aladdin's forward-looking sustainability analytics and reporting capabilities. Clarity AI will build on the existing sustainability dataset in the Aladdin platform with additional forward-looking sustainability analytics and models, generated from data about companies. ■

SOURCE: CANADIAN MANUFACTURING





AI:10
SECTOR FOCUS

AI USAGE IN HEALTHCARE MARKET REPORT 2020

- FORECASTING GLOBALLY TO 2027

By 2027, it is predicted that the artificial intelligence in the healthcare global market will reach \$35,323.5 million by 2027 with a growing exponential CAGR from 2020 to 2027. Such prediction is caused by the gradual transition from volume to value-based healthcare.

Furthermore, there is a surging need to accelerate and increase the efficiency of discovering new drugs and clinical trial processes, advancement of precision medicines, escalation of AI as a medical device, increasing prevalence of chronic, communicable diseases and escalating geriatric population and the increasing trend of acquisitions, collaborations, investments in the AI in healthcare market.

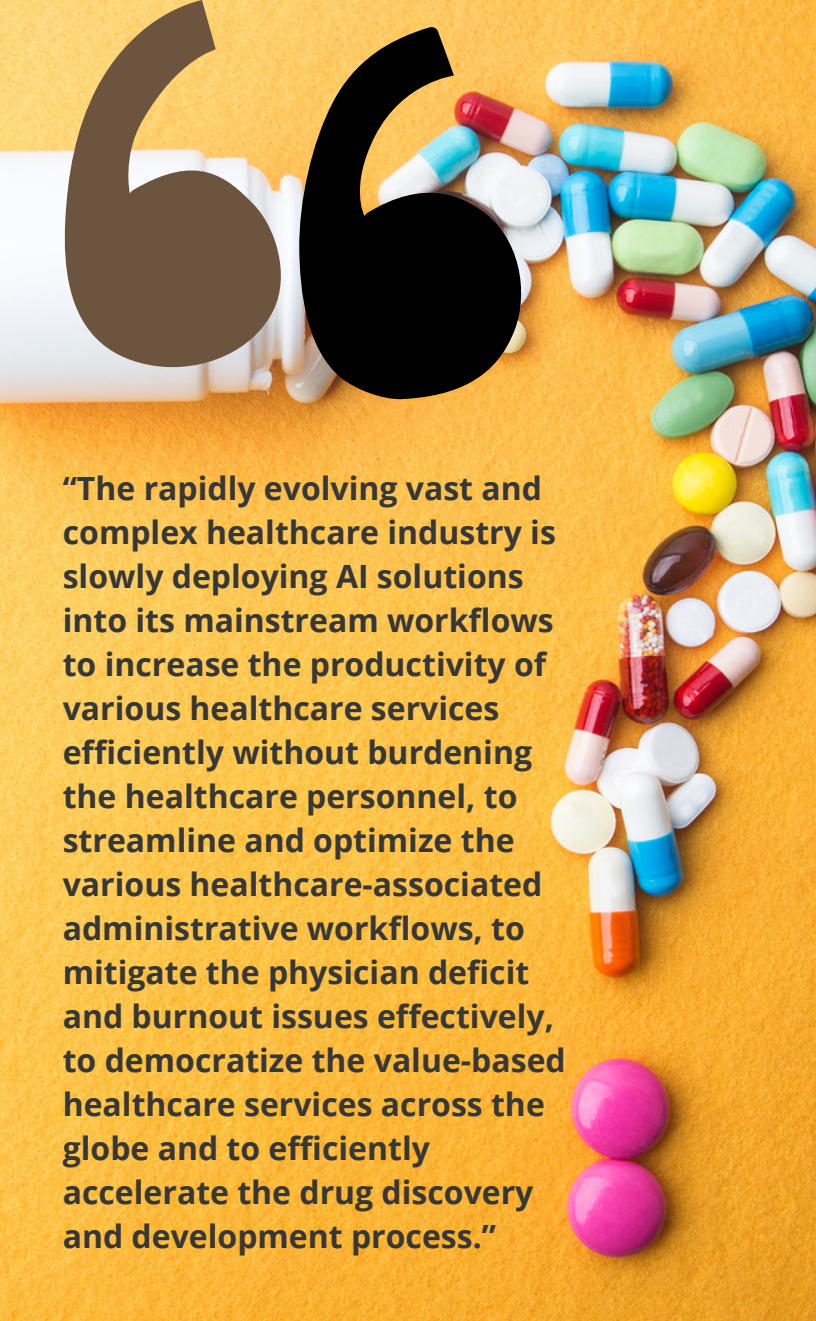
The healthcare global market classified AI based on the application, end-user and geography.

AI Healthcare Application

Based on the application, the market is segmented into Medical diagnosis, drug discovery, precision medicines, clinical trials, Healthcare Documentation management and others consisting of AI guided robotic surgical procedures and AI-enhanced medical device and pharmaceutical manufacturing processes. The AI-powered Healthcare documentation management solutions segment accounted for the largest revenue in 2020 and is expected to grow at an exponential CAGR from 2020 to 2027. AI-enhanced Drug Discovery solutions segment is the fastest emerging segment, growing at an exponential CAGR from 2020 to 2027.

AI Healthcare Global End-Users

The artificial intelligence in healthcare global end-users market is grouped into Hospitals and Diagnostic Laboratories, Pharmaceutical companies, Research institutes and other end-users consisting of health insurance companies, medical device and pharmaceutical manufacturers and patients or individuals in the home-care settings. Among these end users, Hospitals and Diagnostic Laboratories segment accounted for the largest revenue in 2020 and is expected to grow at an exponential CAGR during the forecasted period. Pharmaceutical companies segment is the fastest-growing segment, growing at an exponential CAGR from 2020 to 2027.



"The rapidly evolving vast and complex healthcare industry is slowly deploying AI solutions into its mainstream workflows to increase the productivity of various healthcare services efficiently without burdening the healthcare personnel, to streamline and optimize the various healthcare-associated administrative workflows, to mitigate the physician deficit and burnout issues effectively, to democratize the value-based healthcare services across the globe and to efficiently accelerate the drug discovery and development process."

AI Healthcare Global Market by Geography

The artificial intelligence in healthcare global market by geography is segmented into North America, Europe, Asia-Pacific and the Rest of the world (RoW). North American region dominated the global artificial intelligence in healthcare market in 2020 and is expected to grow at an exponential CAGR from 2020 to 2027. The Asia-Pacific region is the fastest-growing region, growing at an exponential CAGR from 2020 to 2027. ■

SOURCE: PR NEWSWIRE

RESTORE & REBUILD 2021/22

: Helping SMEs Turn Plans Into Reality

USE AI TO INTERPRET COMPETITIVE AND BUSINESS STRATEGIES WITH FINANCIAL DATA

Enterprises are hit hard financially due to Covid-19. Their existing business models need an overhaul to deal with the new world order. Access to quality experts may be costly and difficult. As the crisis puts a curb on sales activities, organisations must drive cost optimisation, production capacity and cash conservation to maintain financial health.

MyFinB develops algorithms that writes stories from data to drive understanding and results. Powered by artificial intelligence, our technology automatically turns data into easy-to-understand reports, transforms statistics into stories, and converts numbers into knowledge. ■



DELIVERABLES



Financial Strategy Report

Detailed insights of your financial health, with key focus areas, recommendations and impact assessment.



3-min Financial Review Podcast

Up to 5-min audio analysis of issues, action plans and outlook, summarised for ease of understanding.



Market Scanning Report

Review of latest industry dynamics, trends and issues, with sentiment and word cloud analysis.



1-hour One-on-One Discussion x 1

One session to go through your company strategies and move into actions over one hour.



1-hour Group Workshop x 3

Monthly virtual workshops (x3) to go through concepts and applications on a scheduled basis.



10X (optional)

Insights of management / leaders' personality; comparison of their attributes again unicorn leaders



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If you are interested in speaking, sponsorship or collaboration opportunities for the summit, please write to us at aismmit@MyFinB.com.

THREE WAYS YOU CAN BUILD & OWN AI WITHOUT CODING

➔ You have an idea



Yes - this idea must originate from a pressing need, pain point or an opportunity that is associated with your current operations and/or industry dynamics.

There must be a ready demand for that idea to be transformed into a system - otherwise it has to be incubated or "cook" to be ready for the market.

BUILD INNOVATION WITH US

MyFinB is an award-winning, high growth AI start-up with core operations in KL/SG and serving more than 30 markets globally.

We specialise in Artificial Intelligence and Natural Language Generation & Understanding (NLGU). Our AI-powered solutions translates structured data (financial statements, bank statements, incorporation info) and unstructured data (publications, social media, journals and video images) into decisioning reports.

MyFinB uses its proprietary NLGU and Cognitive Analytics capabilities to serve 10 core segments: Financial institutions, Enterprises / SMEs, Accounting and Auditing Firms / Consultants, Government Agencies, Credit bureaus, Stock Exchanges, Insurers, Trade Associations and Business chambers, Universities and Investment Promotion Agencies.

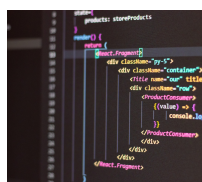
We manage a "digital factory" model where we help organisations build in-house capabilities via the Digital AI Labs (DIAL) programme. DIAL is a scheme of arrangement that helps organisations build and own A.I. expert systems – to solve a specific issue with a commercial goal in mind.

MyFinB's DIAL Programme offers a unique AI-as-a-Service (AlaaS) platform to overcome the barriers of adopting AI Systems. DIAL targets people without the knowledge of coding and programming to build their own expert systems for their organisations.

“NOW EVERYONE CAN BUILD AND OWN AI WITHOUT CODING.”

TO FIND OUT MORE, PLEASE EMAIL: CEAI@MYFINB.COM

➔ From idea to system prototype and business plan



We design algorithms and build the business case around the system with our vast expertise in any discipline.

8 core deliverables will be rendered:

1. Mock-up Reports
2. Technological Blueprint
3. Roadmap
4. Prototype
5. Case Studies
6. 1-min Demo Video
7. Press Release
8. Pitch Deck

➔ We both



jointly own the IP in accordance to a pre-agreed ratio where MyFinB funds the full capex while you cover the costs of the prototype

We commercialise and launch them to the market based on the pre-agreed specifications and after the full system development is completed by MyFinB. Roles and responsibilities would have been detailed out, and a long-term partnership is forged.

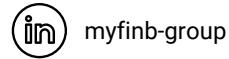


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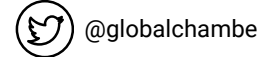
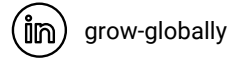
MyFinB uses its proprietary NLGU and Cognitive Analytics capabilities to serve 10 core segments: Financial institutions, Enterprises / SMEs, Accounting and Auditing Firms / Consultants, Government Agencies, Credit bureaus, Stock Exchanges, Insurers, Trade Associations and Business chambers, Universities and Investment Promotion Agencies.



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Global Chamber's vision is a world where doing cross metro and cross border business is as easy as selling across the street. It also provides members with virtual connections, training, and information just right to grow... helping members connect with customers, partners and experts to grow across metros and borders. When members engage with Global Chamber, risk is reduced, and growth accelerates.



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