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North America Artificial Intelligence in Diagnostics Market By Diagnosis Type (Radiology, Oncology, Neurology, Cardiology, Chest & Lungs, Pathology and Other Diagnosis Types), By Component (Services, Software and Hardware), By Country, Industry Analysis and Forecast, 2020 - 2026

https://marketpublishers.com/r/NE3B4EA24F2EEN.html
Date: July 2020
Pages: 74
Price: US$ 1,500.00 (Single User License)
ID: NE3B4EA24F2EEN

Abstracts

The North America Artificial Intelligence in Diagnostics Market would witness market growth of 26.6% CAGR during the forecast period (2020-2026).

AI has a variety in the orthopedic section and may also be used to distinguish fractures that are hard to detect (the fracture type is also difficult to detect in normal images). AI can help the doctor separate the images on the basis of hard to see fractures, dislocations, soft tissue injuries, and other conditions when compared to internal bleeding or organ injury. For example, a patient with head and neck trauma could be assessed for odontoid fracture using an AI radiology tool.

AI provides a huge amount of potential for diagnosing neurological conditions. Degenerative neurological disorders such as amyotrophic lateral sclerosis (ALS) can be devastating to the patient. There is currently no treatment for ALS and there are other related medical disorders where correct diagnosis takes time, contributing to higher medical costs. Using the AI tool, ALS and primary lateral sclerosis (PLS) can be easily demarcated and this can help the physician determine the treatment pathway in a much more effective manner. These devices are not currently available.

Machine learning is now used in healthcare to work with vast volumes of data, where the time traditionally expended on porting charts and spreadsheets is now being used to

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look for clever ways to simplify data processing. It is used to streamline operating practices in hospitals, map and treat infectious disorders, and personalize medical treatments. Machine learning comprises a number of techniques, such as machine learning, supervised learning, unsupervised learning, and advanced learning. Imaging, diagnostics, and product discovery are among the technologies that utilize deep learning.

Based on Diagnosis Type, the market is segmented into Radiology, Oncology, Neurology, Cardiology, Chest & Lungs, Pathology and Other Diagnosis Types. Based on Component, the market is segmented into Services, Software and Hardware. Based on countries, the market is segmented into U.S., Mexico, Canada, and Rest of North America.

The market research report covers the analysis of key stake holders of the market. Key companies profiled in the report include General Electric (GE) Co. (GE Healthcare), Siemens AG (Siemens Healthineers), Aidoc Medical Ltd., AliveCor, Inc., Imagen Technologies, Inc., VUNO, Inc., IDx Technologies, Inc., NovaSignal Corporation, Riverain Technologies, LLC, and Zebra Medical Vision Ltd.

Scope of the Study

Market Segmentation:

By Diagnosis Type

Radiology

Oncology

Neurology

Cardiology

Chest & Lungs

Pathology and

Other Diagnosis Types

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By Component

- Services
- Software and
- Hardware

By Country

- US
- Canada
- Mexico
- Rest of North America

Companies Profiled

- General Electric (GE) Co. (GE Healthcare)
- Siemens AG (Siemens Healthineers)
- Aidoc Medical Ltd.
- AliveCor, Inc.
- Imagen Technologies, Inc.
- VUNO, Inc.
- IDx Technologies, Inc.
- NovaSignal Corporation
- Riverain Technologies, LLC

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