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Digital Genome Market Research Report - Forecast to 2030

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Description:

Digital Genome Market Scenario

The Digital Genome Market is anticipated to reach USD 32,324 Million by 2030 at 10.4% CAGR during the forecast period 2022-2030. The digital genome market is expected to witness tremendous growth during the forecast period. Digital genome can be used in the diagnosis of rare diseases, genetic diseases, cancer, neurological disorders and others. The rising prevalence of chronic diseases such as breast cancer is driving the market growth. Other essential factors influencing the growth of the market are increasing geriatric population, need for efficient diagnosis and treatment, increasing number of drug discoveries, growing biotech sector, increasing research in the field of genomics and rise in funding related to digitalization. Variants of Presenilin gene lead to Alzheimer's disease. According to Alzheimer's Association in 2018, 5.7 million people are from Alzheimer's disease in the Americas. With the help of digital genome identifying genomic variants is easy.

However, factors such as high costs of digital genome techniques, lack of knowledge about the digital genome, security issues and inaccurate results are some of the factors expected to hinder the market growth during the forecast period.

Digital Genome Market, by Key Players

- Umbel
- BiogenIQ
- GenomeMe
- NanoString
- Illumina, Inc

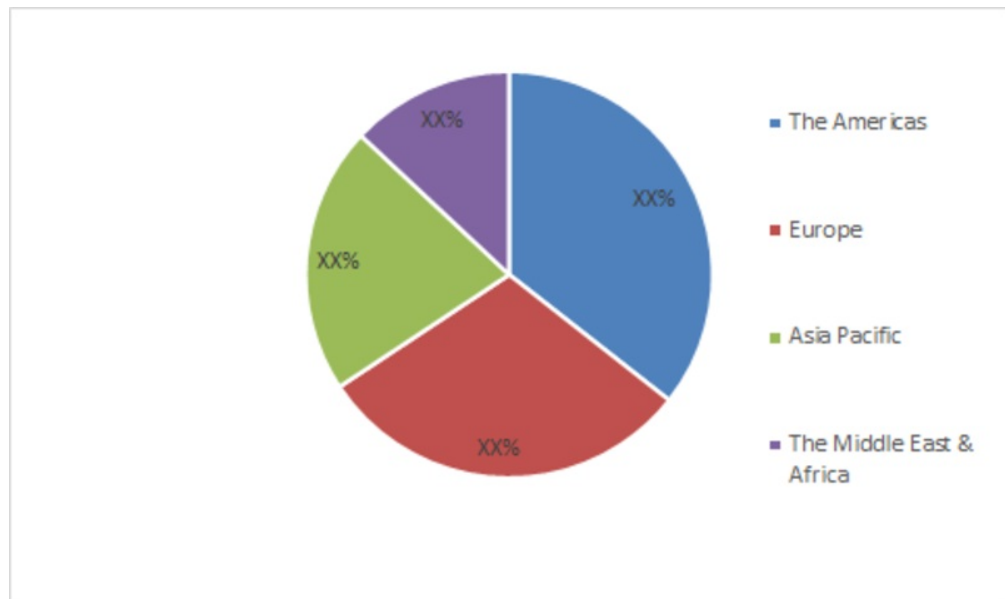
Segmentation

The digital genome market is segmented on the basis of product, application, and end-user. The digital genome market, by product, is segmented into sequencing services, sequencing instruments, sequencing consumables, bioinformatics and sample preparation kits and reagents. The application segment is segmented into diagnostics, agriculture & animal research, personalized medicine, drug discovery and treatment analysis. On the basis of end-user, the market is categorized into research centers and government institutes, academic institutions, pharmaceutical & biotechnology industries, hospitals, and diagnostic centers. On the basis of region, the digital genome market is segmented into the Americas, Europe, Asia-Pacific, and the Middle East and Africa.

The Americas is sub-segmented into North America and South America. The North American region is further segmented into the US and Canada. The European region is divided into two, namely, Western Europe and Eastern Europe. Western Europe is further classified into Germany, Italy, France, the UK, Spain, and the rest of Western Europe. The Asia-Pacific region is sub-segmented into Japan, China, India, Australia, the Republic of Korea, and the rest of Asia-Pacific. The Middle Eastern and African region is sub-segmented into the United Arab Emirates, Saudi Arabia, Oman, Kuwait, Qatar, and the rest of the Middle East and Africa.

Regional Market Summary

Digital Genome Market Share (%), by Region



Sources: Alzheimer's Association, European Commission, American Diabetes Association, Ministry of Finance - KSA

The digital genome market is dominated by America owing increasing prevalence of chronic diseases like cancer and diabetes. The Breastcancer.org estimated 266,120 new cases of invasive breast cancer and 63,960 new cases of non-invasive breast cancer in America in 2018. Thus, this provides favorable backgrounds for the market to grow.

It is estimated that Europe stood second in the digital genome market. The rising demand for personalized medicine and targeted therapy is driving the growth of the market. The European Alliance for Personalized Medicine (EAPM) founded in March 2012, is involved in enhancing patient care for chronic diseases through personalized medicine. According to the European Commission in April 2018, 13 European countries have signed a declaration to share the genomic data to allow personalized treatments against cancer, rare diseases, and neurological diseases.

The digital genome market in Asia-Pacific is expected to witness growth owing to rising diabetes in this region. According to the American Diabetes Association in 2016, the Western Pacific has more than 138.2 million diabetic patients. Also, the rising healthcare spending and growing biotech sector drive the market growth in this region.

The Middle East and Africa holds the least share in the digital genome market due to low funding in medical and health research. However, the rising prevalence of chronic diseases and increasing healthcare spending favors market growth in this region. According to the Ministry of Finance - KSA (Kingdom of Saudi Arabia) in 2018, 147 billion riyals (USD 39.2 billion) have been allocated for the Health and Social Development Sector. This enhances the market growth of digital genome in this region.

Market Segmentation and Key Market Players

Digital Genome Market, by Product

- Sequencing services
- Sequencing instruments
- Sequencing consumables
- Bioinformatics
- Sample preparation kits and reagents

Digital Genome Market, by Application

- Diagnostics
- Agriculture & animal research
- Personalized medicine
- Drug discovery
- Treatment analysis

Digital Genome Market, by End-User

- Research Centers and Government Institutes
- Academic Institutions
- Pharmaceutical & Biotechnology Industries
- Hospitals
- Diagnostic Centers

Digital Genome Market, by Region

- The Americas
- Europe
- Asia-Pacific
- The Middle East & Africa

Intended Audience

- Hospitals

- Government and private laboratories
- Research and Development (R&D) companies
- Medical research laboratories
- Market research and consulting service providers

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