

Population Genomics: National Strategy and Implementation

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Abstracts

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Population genomics initiatives launched in several nations have significantly transformed the entire healthcare industry. With the advancements in technology and the allocation of government funding for the implementation of these programs has profoundly reshaped the current clinical practice. The decreasing cost of genome sequencing and the development of advanced of bioinformatics tools for the analysis of genomic data has facilitated the development of personalized treatment modules. The increased focus of the government for the implementation of population-based sequencing programs has fostered the rapid growth of precision medicine in the medical industry.

The aim of the population genomic initiatives implemented across the globe is to develop the biobank of genomic datasets facilitating the understanding of interaction between the gene and the phenotypic expression. Population genomics initiatives such as All of Us and UK 100K Genomes Project have been initiated to enhance the adoption of genomic medicine and consequentially increasing the awareness among patients and healthcare providers.

This strategic report provides a multidimensional view of the strategic evolution of the ongoing population genomic initiatives. The purpose of the study is to gain a holistic view of the active population-based sequencing projects implemented in several countries. The report contains the analysis of various such as recent trends, technological advancements, reimbursement scenario, and national level initiatives across the globe influencing the adoption of population genomics. The scope of this report is centered upon conducting a detailed study of the strategies, best R&D

practices across the globe, and understanding the focus of eminent stakeholders contributing in augmenting the growth of population genomics initiative.

This research report aims at answering various aspects of the population genomics initiatives with the help of the key strategies adopted by different nations for the successful implementation of the program. The report also covers the current status and future perspective of the national population-based sequencing programs that are going to shape the future trajectory of the market expansion. The report includes an in-depth examination of the key players and recent developments taking place in this market.

The research study highlights the key initiatives implemented by several nations across the globe for the whole genome sequencing of its populations. Moreover, the study includes detailed analysis of key trends in multiple geographical regions, industrial partnerships in each region, key strategies and adopted by various nations and future perspectives of the initiatives.

The answers to the following key questions can be derived from this report:

How does the emergence of population-based sequencing initiatives is transforming the current clinical practice?

Which are the ongoing initiatives that have been implemented by different regions such as North America, Europe, Asia-Pacific and Middle East to promote the acceptance of genomic medicine?

What is the role of key stakeholders in aligning the fortune of population genomics?

What are the innovative strategies adopted across the world for implementation of population genomics?

What is the plausible market penetration strategy for the precision medicine market?

What are the current value assessment and the future perspective of population genomics initiatives?

What is the scope of industrial participation in the ongoing population genomic initiatives?

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