

# In Silico Clinical Trials Global Market 2024 To Reach \$5.02 Billion By 2028 At Rate Of 8.7%

*The Business Research Company's In Silico Clinical Trials Global Market Report 2024 – Market Size, Trends, And Global Forecast 2024-2033*

LONDON, GREATER LONDON, UK, July 15, 2024 /EINPresswire.com/ -- The [in silico clinical trials market](#) has

experienced robust growth in recent years, expanding from \$3.31 billion in

2023 to \$3.59 billion in 2024 at a compound annual growth rate (CAGR) of 8.6%. The growth in the historic period can be attributed to increased availability of medical data, evolving regulatory frameworks for virtual trials, growth in computing power, rise in healthcare digitization, expansion of precision medicine initiatives.



The in silico clinical trials market size is expected to see strong growth in the next few years. It will grow to \$5.02 billion in 2028 at a compound annual growth rate (CAGR) of 8.7%.”

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## Strong Future Growth Anticipated

The in silico clinical trials market is projected to continue its strong growth, reaching \$5.02 billion in 2028 at a compound annual growth rate (CAGR) of 8.7%. The growth in the forecast period can be attributed to growing demand for faster drug development processes, adoption of virtual patient populations in clinical trials, expansion of digital twin technologies, increase in regulatory acceptance of in silico trials.

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## Growth Driver Of The In Silico Clinical Trials Market

The rise in chronic, infectious, and neurological disease prevalence is expected to propel the growth of the in silico clinical trials market going forward. Chronic diseases are problems that last a year or longer, necessitating continuing medical care, restricting everyday activities, or both. Infectious disease is caused by a pathogen or its toxic byproduct that spreads to a



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susceptible host through contact with an infected human, animal, or inanimate object. Neurological disorders refer to illnesses that impact the spinal cord, the body's nerves, and the brain. The rise in chronic, infectious, and neurological disease prevalence increases the need for better medication and treatments. In silico trials are used for faster drug development to treat these diseases.

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### Major Players And Market Trends

Key players in the in silico clinical trials market include Dassault Systemes SE, Clarivate PLC, Evotec A.G, Evidera, Certara Inc., Abzena Limited, Selvita, Simulations Plus Inc., Insilico Medicine Inc., AnyLogic Company, Biomax Informatics, GNS Healthcare Inc., 4P-Pharma, Nuventra Pharma Sciences, Archimedes, Novadiscovery Sas, Rosa & Co., In Silico Biosciences, Leadscope, Biognos Ab, BioNova, Immunetrics Inc., InSilicoTrials, Physiomics PLC, InhibOx, Entelos.

Major companies operating in the in silico clinical trials market are focused on innovative technologies, such as clinical trial platforms, to sustain their position in the market. A clinical trial platform is a special type of adaptive, disease-focused, randomized clinical trial (RCT) designed to evaluate multiple, simultaneous interventions against a single, constant control group.

### Segments:

- 1) By Phase: Phase I, Phase II, Phase III, Phase IV
- 2) By Therapeutic Area: Oncology, Infectious Disease, Hematology, Cardiology, Dermatology, Neurology, Diabetes, Other Therapeutic Areas
- 3) By Industry: Medical Devices, Pharmaceutical

### Geographical Insights: North America Leading The Market

North America was the largest region in the in silico clinical trials market in 2023. Asia-Pacific is expected to be the fastest-growing region during the forecast period, driven by expanding healthcare facilities and increasing awareness of the benefits of in silico clinical trials.

### In Silico Clinical Trials Market Definition

In silico clinical trials also refer as virtual clinical trial is a computer-simulations used to develop or evaluate the safety and efficacy of a medicinal product, device, or intervention. It assesses the safety and effectiveness of medical devices and imaging systems.

The main phases of in silico clinical trials are Phase I, Phase II, Phase III, and Phase IV. Phase I refers to the first time a drug or treatment is assessed on a small group of people and is used to assess the safety and tolerability of new drugs in humans. These are conducted for oncology, infectious disease, hematology, cardiology, dermatology, neurology, diabetes, and others, and are used by medical devices and pharmaceutical industries.

[In Silico Clinical Trials Global Market](#) Report 2024 from TBRC covers the following information:

- Market size data for the forecast period: Historical and Future
- Market analysis by region: Asia-Pacific, China, Western Europe, Eastern Europe, North America, USA, South America, Middle East and Africa.
- Market analysis by countries: Australia, Brazil, China, France, Germany, India, Indonesia, Japan, Russia, South Korea, UK, USA.

Trends, opportunities, strategies and so much more.

The In Silico Clinical Trials Global Market Report 2024 by The Business Research Company is the most comprehensive report that provides insights on [in silico clinical trials market size](#), in silico clinical trials market drivers and trends, in silico clinical trials market major players, in silico clinical trials competitors' revenues, in silico clinical trials market positioning, and in silico clinical trials market growth across geographies. The in silico clinical trials market report helps you gain in-depth insights into opportunities and strategies. Companies can leverage the data in the report and tap into segments with the highest growth potential.

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Global Market Model – Market Intelligence Database

The Global Market Model, The Business Research Company's flagship product, is a market intelligence platform covering various macroeconomic indicators and metrics across 60 geographies and 27 industries. The Global Market Model covers multi-layered datasets that help its users assess supply-demand gaps.

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