

A Market Research Report on

10 Ways in which Current Macro Upheavals in China will Impact Global Life Sciences Industry

insights **10**



What would this Report Cover?



10 Macro Upheavals in China Impacting Global Healthcare



Unabated European pharma investment in China



The highlights and lowlights faced by Chinese vaccine developers



Strengthening global health through R&D



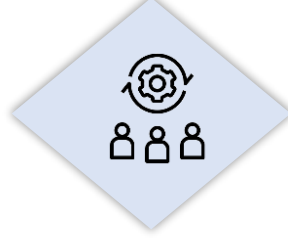
Integrating countries through commercial partnerships



Focusing on regulatory reforms



Increasing commitments to health assistance and cooperation



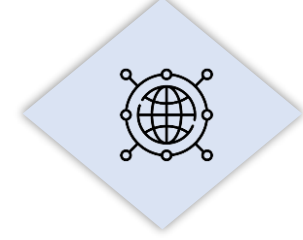
Accelerating Industrial Transformation and Talent Development



Consolidation within the service provider space



Export and Sales of Medical Devices and Consumables across Nations Globally



Promoting the Internationalization of the Pharmaceutical Industry

Macro Upheavals Impacting Global Healthcare (1/5)



Unabated European Pharma Investment in China

- Big Pharma players are investing in **China-specific projects** and growing their footprint across the mainland as China represents an **ever-increasing share** of their global profits
- In order to more **effectively and comprehensively connect with Chinese medication developers**, Boehringer Ingelheim (BI) built a new hub in Shanghai to consolidate its R&D, and business development operations in China
- Additionally, Novo Nordisk unveiled ambitious intentions to **combine their Chinese and international businesses** with an emphasis on **clinical development**
- Novo Nordisk's "China Essentials" program seeks to simultaneously submit **clinical trial applications for new drugs in China** and other countries for the first time, with a goal of 90 percent by 2025



The Highlights and Lowlights Faced by Chinese Vaccine Developers

- An intriguing microcosm of the status of development of the entire business can be seen in **the highs and lows encountered by Chinese vaccine developers** in their quest to deploy a COVID-19 vaccine
- While Chinese companies were among **the first in the world to introduce vaccine candidates into the clinic**, validating the advancements made by the country's overall biopharmaceutical industry and significantly raising the stature of Chinese scientific research abroad, it was ultimately a Big Pharma-backed vaccine from Pfizer and German biopharma player BioNTech that first crossed the finish line
- **Chinese-developed COVID-19 vaccines received approval for routine or emergency use in China and several other nations**, including the UAE, Egypt, and Brazil, but not by the US or the EU, which were regarded as the world's two most stringent regulatory bodies

Macro Upheavals Impacting Global Healthcare (2/5)



Strengthening Global Health through R&D

- China's 14th Five-Year Plan calls for an average **annual increase in R&D spending across the industry of more than 10%**; in addition to the requirements for the innovative development of the pharmaceutical industry in the fundamental principles, these requirements are also reflected in terms of development goals
- By 2025, the share of newly sold innovative items in **the increase in operating revenue** for the entire industry will further rise
- The National Natural Science Foundation of China (NSFC) and the China Grand Challenges project were established **to promote scientific and technical innovation** that may address important issues facing emerging nations
- **The initiative has supported research** on AIDS vaccine development, child and maternal mortality, tuberculosis (TB) treatments, vaccines, and more at prestigious universities, research centers, and hospitals in China



Integrating Countries through Commercial Partnerships

- Chinese and British agencies convene as part of a **bilateral Global Health Dialogue** that determines areas of shared interest for potential future cooperation
- Chinese government is **assisting the Africa Centres for Disease Control and Prevention (CDC)** and has also **inked MOUs with the WHO and numerous bilateral partners** to address some healthcare constraints
- Private health sector businesses, organizations engaged in health research, and other entities are being **engaged by China and foreign partners**
- This might entail setting up a **platform for cooperation in global health and technical professionals** and should develop a mutual understanding as a foundation for **more productive collaboration**

Macro Upheavals Impacting Global Healthcare (3/5)



Focusing on Regulatory Reforms

- China is **collaborating with international partners** to remove obstacles that prevent more high-quality and reasonably priced Chinese healthcare products from entering the global market, which could have a larger impact on world health
- **To provide technical support and support reforms** that bring Chinese regulations and standards in clinical trials, drug approval, and manufacturing into line with international norms, WHO and the National Medical Products Administration which is China's main regulatory agency for drugs and medical devices have come together
- Chinese businesses can **more easily pursue** concurrent domestic certification and WHO prequalification of their products



Increasing Commitments to Health Assistance and Cooperation

- China is promoting global health by **covering the agreements** for working with African nations, like FOCAC for health cooperation
- Under FOCAC, a forum for **China-Africa health development** has been established, and agreements have been made to offer health aid to African nations
- As part of **efforts to boost international cooperation**, the Chinese government has signed MOUs with several multilateral organizations, most notably the WHO for global health
- China is actively **developing better health policies**, demonstrating its commitment to playing a greater role in global health, and beginning to demonstrate the thematic goals, kinds of cooperation, and levels of engagement that the government envisions

Macro Upheavals Impacting Global Healthcare (4/5)



Accelerating Industrial Transformation and Talent Development

- The development of the pharmaceutical industry in China depends on **encouraging technical collaboration in the pharmaceutical area** between business, academia, research facilities, and hospitals, as well as on maximizing the potential of those working in that sector globally
- In order to **improve collaboration with scientific research institutions** and jointly create a national strategic scientific force in the field of biomedicine, the 14th Five-Year Plan emphasizes its support for innovative pharmaceutical firms
- Additionally, the strategy calls for **funding the establishment of independent pharmaceutical R&D organizations**, assisting in the creation of premier clinical research facilities, and enhancing the capabilities of clinical research design and research services



Consolidation within the Service Provider Space

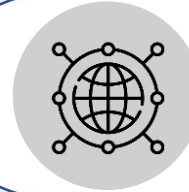
- The biopharma boom in China has also energized the CRO and CDMO space, with demand greatly outstripping supply across many fundamental services, through acquisitions, Chinese pharmaceutical businesses are **expanding their market share and entering the global pharmaceutical outsourcing sector**
- In order to **increase its CDMO capability** and market reach in Europe, WuXi AppTec made an agreement with Bristol Myers Squibb to purchase the latter's production plant in Couvet, Switzerland in 2021
- To improve **its CMC capabilities** in the UK and China, Pharmaron purchased a commercial API production plant from Recipharm in the beginning of 2022
- These transactions represent a grown Chinese CRO and CMO market, which grew at a **CAGR of 30.8% from 2016 to 2021**, much faster than the global average of 9.5%.

Macro Upheavals Impacting Global Healthcare (5/5)



Export and Sales of Medical Devices and Consumables across Nations Globally

- In numerous healthcare sub-sectors, China is the second-largest healthcare market in the world, offers the **potential to global exporters**
- The most active and vitally essential segment of the Chinese healthcare market for international enterprises continues to be **medical equipment**
- Medical equipment with advanced technology is typically imported, while low to mid-range market segments are dominated by native products
- China's medical device industry is anticipated to grow at a **CAGR of 6.2%** from 2020 to 2025, bringing about **USD38.4 billion** by 2025
- The diagnostics, imaging, and consumables subsectors of the Chinese medical device industry accounted for about **50% of the market's value**



Promoting the Internationalization of the Pharmaceutical Industry

- In terms of going worldwide, China is promoting to support businesses in synchronizing **the registration of novel medications** in China and abroad as well as **conducting international multi-center clinical research** for developed nations
- The globalization of China's pharmaceutical business includes the process of internationalization that also involves the **exit of native pharmaceutical firms** and the **admission of foreign pharmaceutical firms**
- This is carried out by **actively enticing multinational corporations** to establish R&D centers and innovative drug manufacturing bases in China, as well as by using cooperative development and technology licensing to realize the entry of foreign pharmaceutical companies, in order to drive the development of the domestic pharmaceutical industry companies

Who should buy this report?



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Players



Digital Health
Entities



HealthTech
Companies



MedTech
Players



Healthcare
Providers

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Topics of Upcoming Reports

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Methodology & Scope

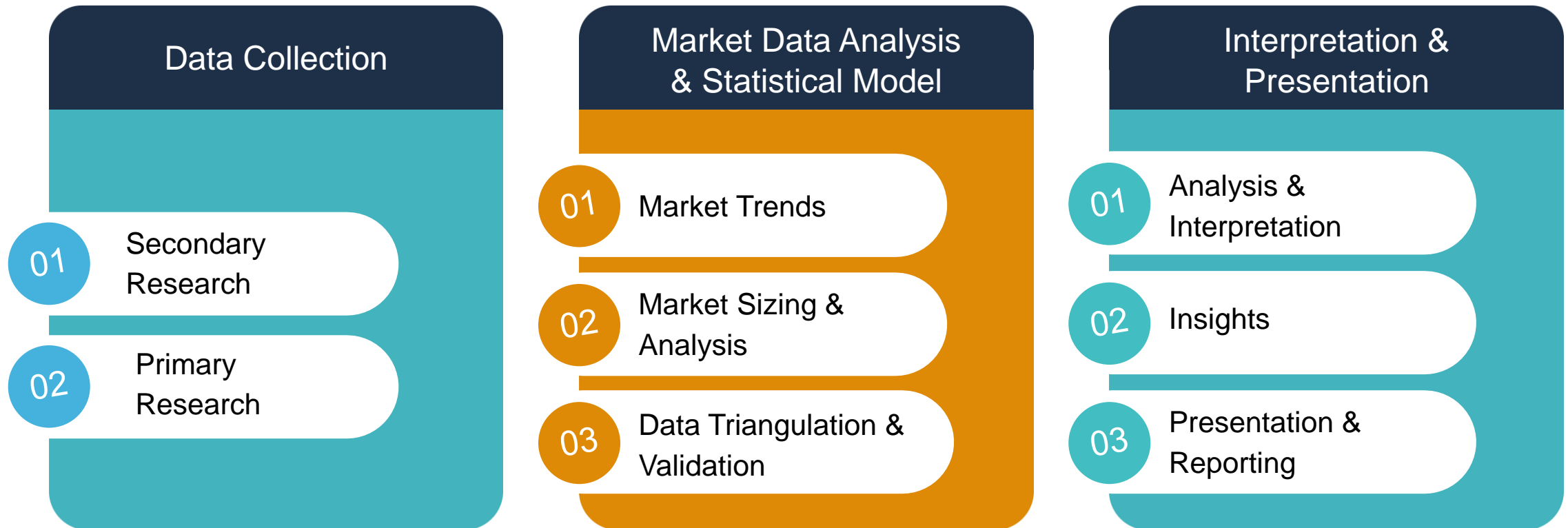


Research Methodology

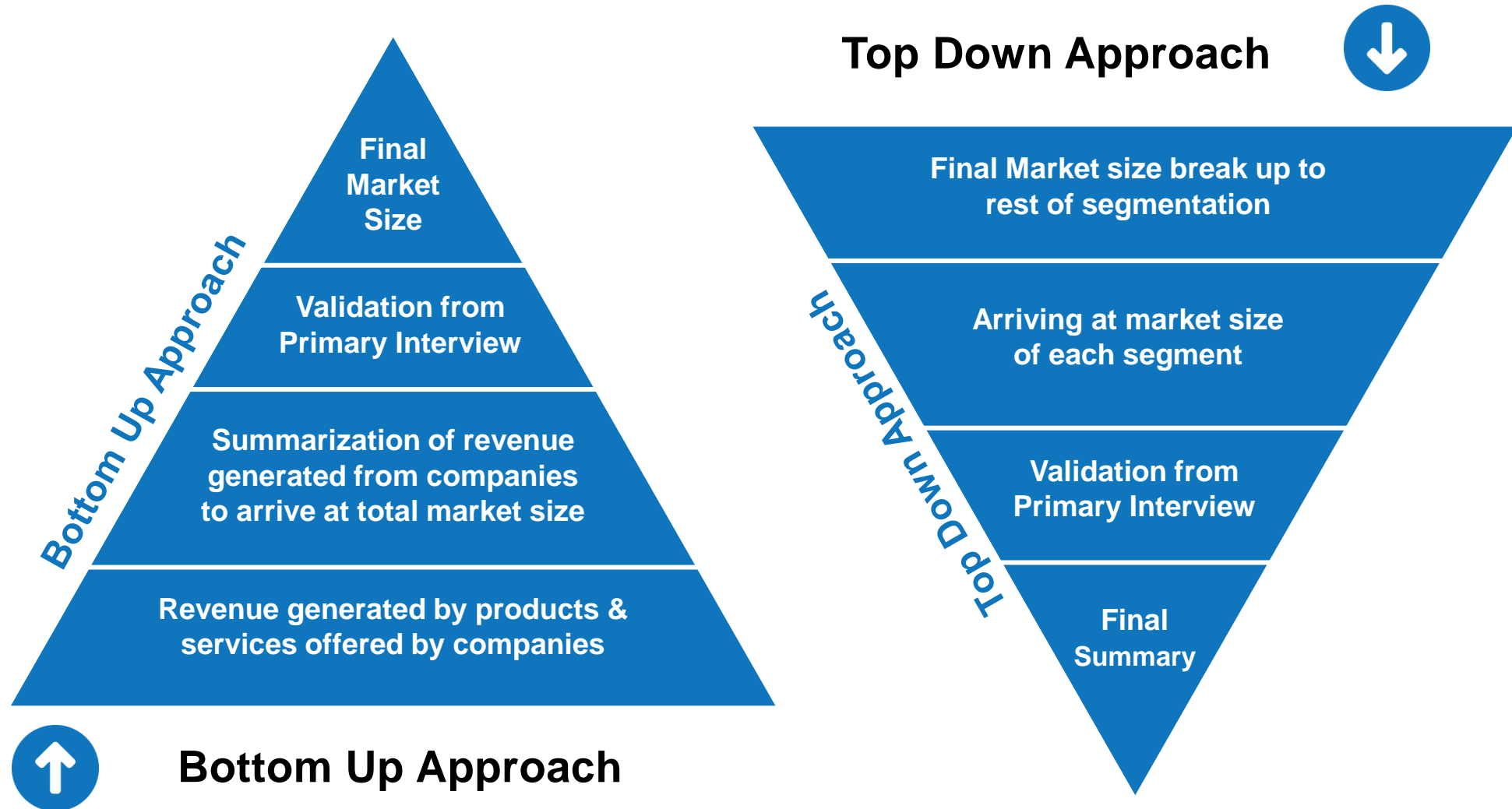
- Insights 10's research methodology delves deeper into the market, covering the macro and micro aspects of the industry. We identify the key growth drivers, opportunities, and restraints that might promote or hinder the future industry growth along with an expansive overview of the competitive landscape to help our clients make informed strategic decisions
- We implement a mix of primary and secondary research for our market estimate and forecast. The secondary research forms the initial phase of our study where we conduct extensive data mining, referring to verified data sources such as independent studies, government and regulatory published material, technical journals, trade magazines, and paid data sources
- For forecasting, the following parameters are considered:
 - ❑ Market drivers and restraints along with their current and expected impacts
 - ❑ Technological scenario and expected developments
 - ❑ End use industry trends and dynamics
 - ❑ Trends in the consumer behavior
 - ❑ Regulatory scenario and expected developments
 - ❑ Current capacity and expected capacity additions up to 2030
- We assign weights to these parameters and quantify their market impacts using the weighted average analysis to derive the expected market growth rate
- We appoint data triangulation strategies to explore different areas of the market. Our qualitative and quantitative assessments are time-sensitive, reflecting the most recent value and volume of the market across regions
- All our estimates and forecasts are verified through exhaustive primary research with the Key Industry Participants (KIPs)
- Currency used in the report is the US dollar (USD), with the market size indicated in USD million/billion (Mn/Bn)

Analysis Methodology

Our Analysis Methodology involves three critical stages:



Data Triangulation & Data Validation



Key Benefits for Stakeholders from this Report

- Study provides an in-depth analysis of the market with current trends and future estimations to elucidate the imminent investment pockets
- Our tools provides stakeholders with a cohesive understanding of the industry outlook, considering the qualitative and quantitative industry variables
- Comprehensive analysis of factors that drive and restrict the market growth is provided
- Comprehensive quantitative analysis of the industry from 2021 to 2030F is provided to enable the stakeholders to capitalize on the prevailing market opportunities
- Extensive analysis of the key segments of the industry helps understand the applications and technologies used globally
- Our rigorous data collection, thorough statistical analysis and specialist assessments ensure that our clientele has a greater understanding of the industry space, supply chain, price fluctuations, competitive landscape, and other vital factors

Time Frame	Report Attribute	Details
2021 ● Base Year for Estimation	Quantitative Units	Revenue in USD Million/Billion (Mn/Bn)
	Report Coverage	Market Overview, Revenue Forecast, Market Segmentation, Growth Factors and Trends, Company Profiles, Competitive Landscape, Regulatory Landscape, Future Opportunities
2022-2030 ● Forecast Period	Customized Report	Report Customization (5 working days) with purchase. We will provide you with data that is currently not a part of our scope as a part of customization
	Pricing and purchase options	Avail customized purchase options to meet your exact research needs

What kind of Data is Presented in this Report?

This report presents data, which is:

Reliable

The report is prepared using a proven methodology and insightful research

Expert-verified

The data is prepared by a team of highly qualified & experienced research analysts & vetted by our local associates

Real

Allowing you to confidently make smarter business and strategic decisions

Comprehensive

Covers everything you would need to know about the market including market size, competitive analysis & much more

Easy to read

You do not have to be a market expert to understand what really is happening on the market and how it works

About insights 10

The background features a dark blue color scheme with various data visualization elements. In the upper right, there is a donut chart with four segments labeled 15%, 17%, 18%, and 36%. To its left, a vertical bar chart shows a series of bars of varying heights. In the lower left, a horizontal bar chart displays three bars labeled 51%, 32%, and 17%. The central focus is a laptop with hands typing on the keyboard. To the right of the laptop is a magnifying glass, and to the left are several documents or reports with charts and graphs. The overall aesthetic is professional and data-driven.

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