



# China Market Landscape and NewCo Model

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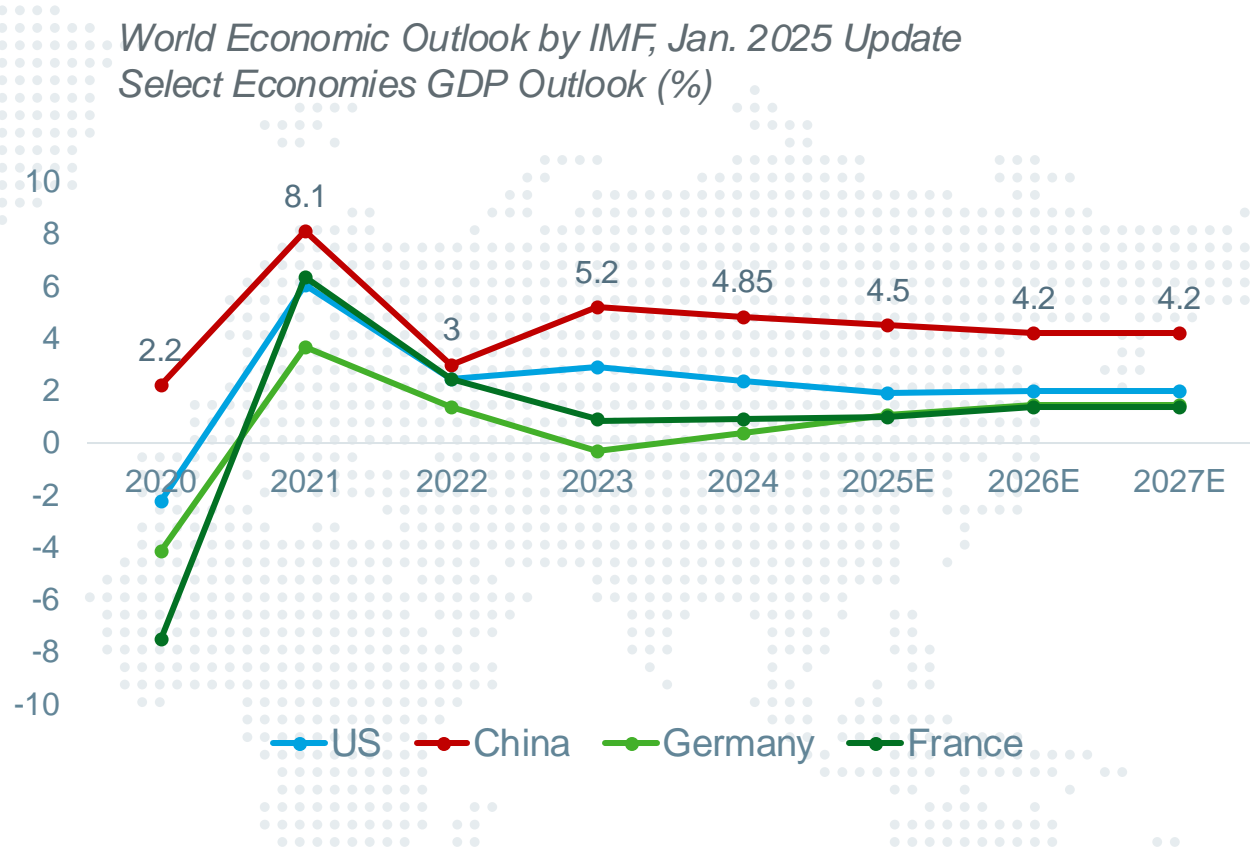
- More than 18 years of experience in strategy and management consulting, and investment banking in the healthcare industry across China, US, and the Asia-Pacific region
- A veteran in supporting leading corporations in pharmaceutical and medical device industries with corporate strategy, investment and M&A strategy, portfolio management, and product launch with life cycle planning strategies
- As the Head of IQVIA Consulting in China, Howard has led the team in developing and landing innovative solutions in R&D, commercial, and digital strategies for leading players, to support their business growth in a dynamic environment
- Howard holds an MBA degree from Nanyang Technological University in Singapore





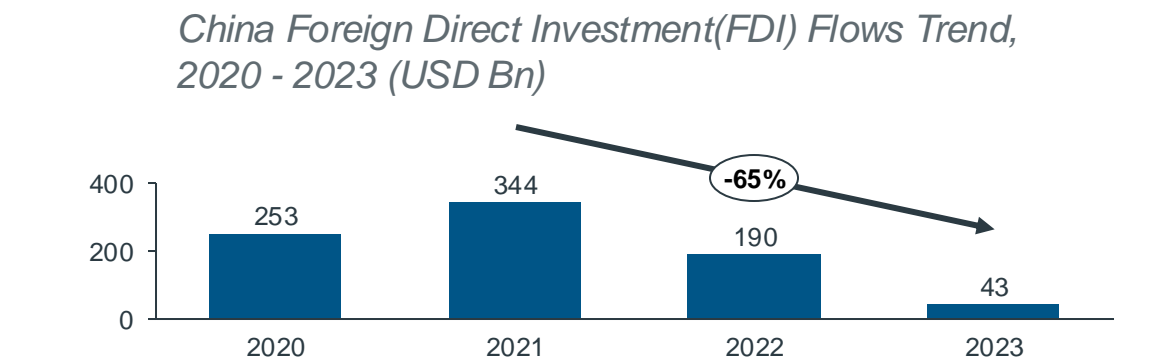
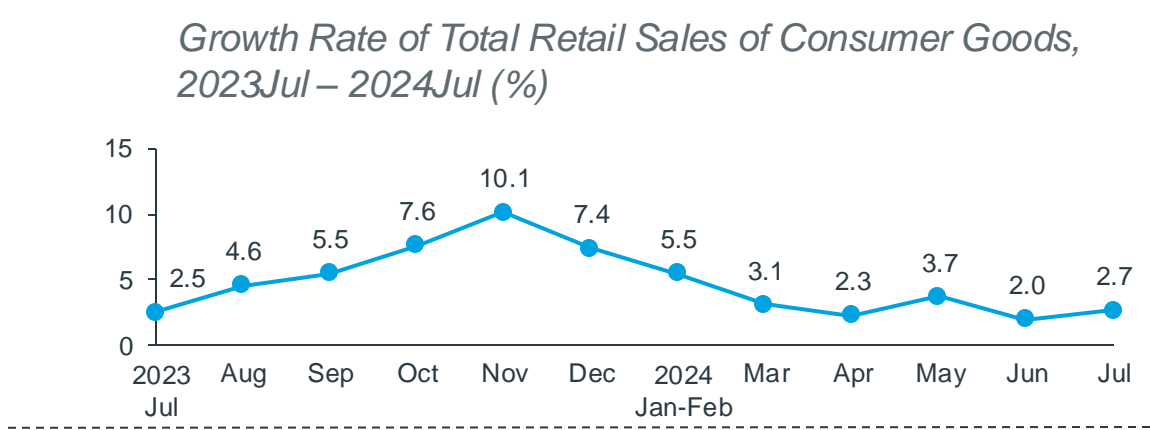
# Macro environment overview

# China's economic outlook is expected to be tapered in the short term, although various stimulus initiatives shows early signs of improvement



## Highlight of Economies GDP Outlook

The global economic growth is slowing down including China, but China's outlook is **still more optimistic** than other key countries with an upward recovery trend 2023 onwards

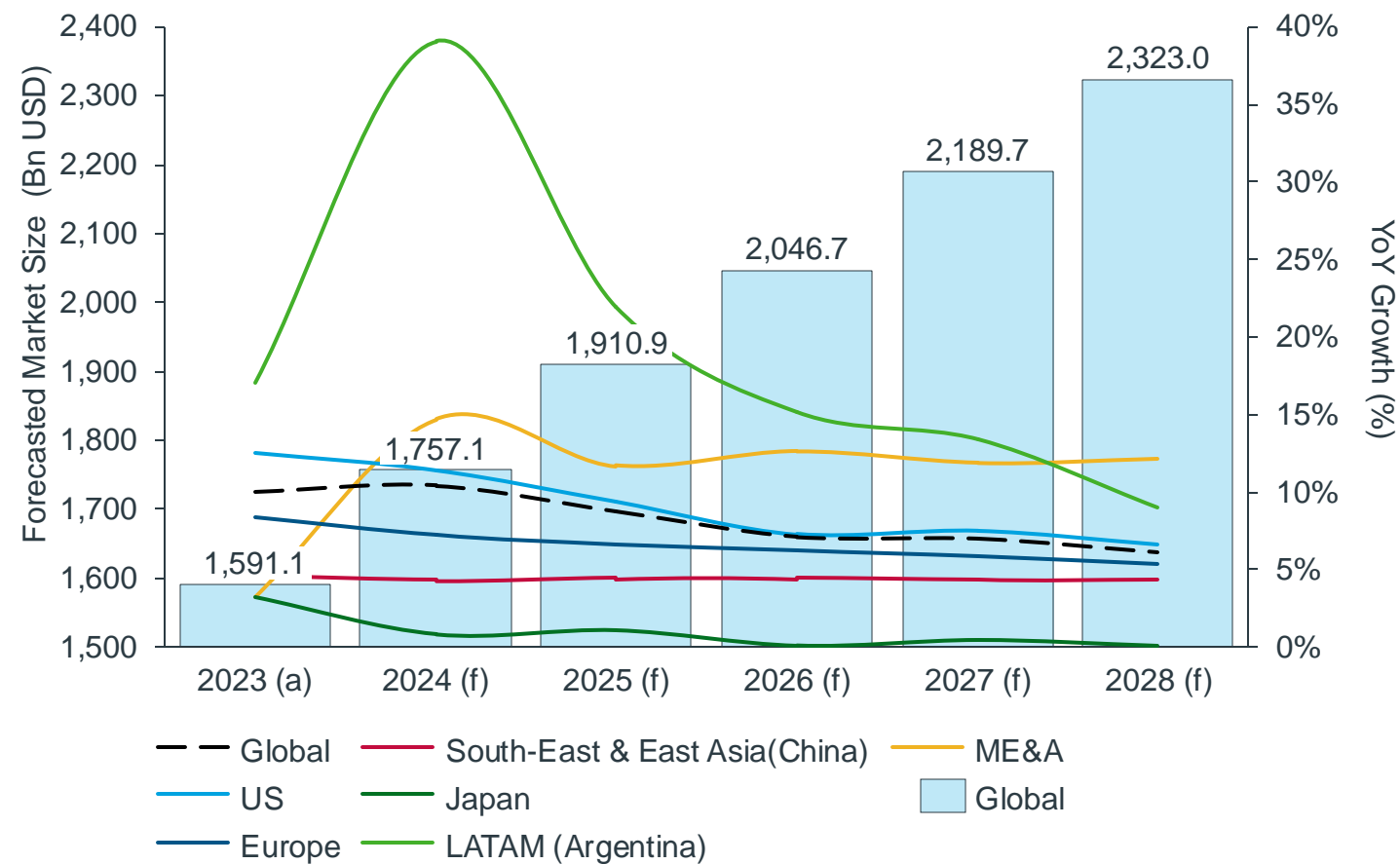


## Indicators of Economic Outlook

- Consumer spending growth is **still sluggish**, although on an uptick in July
- FDI **has declined significantly** since 2021

# The global pharma market is expected to grow at ~7.9% CAGR through to 2028, with China representing the 2<sup>nd</sup> largest pharmaceutical market

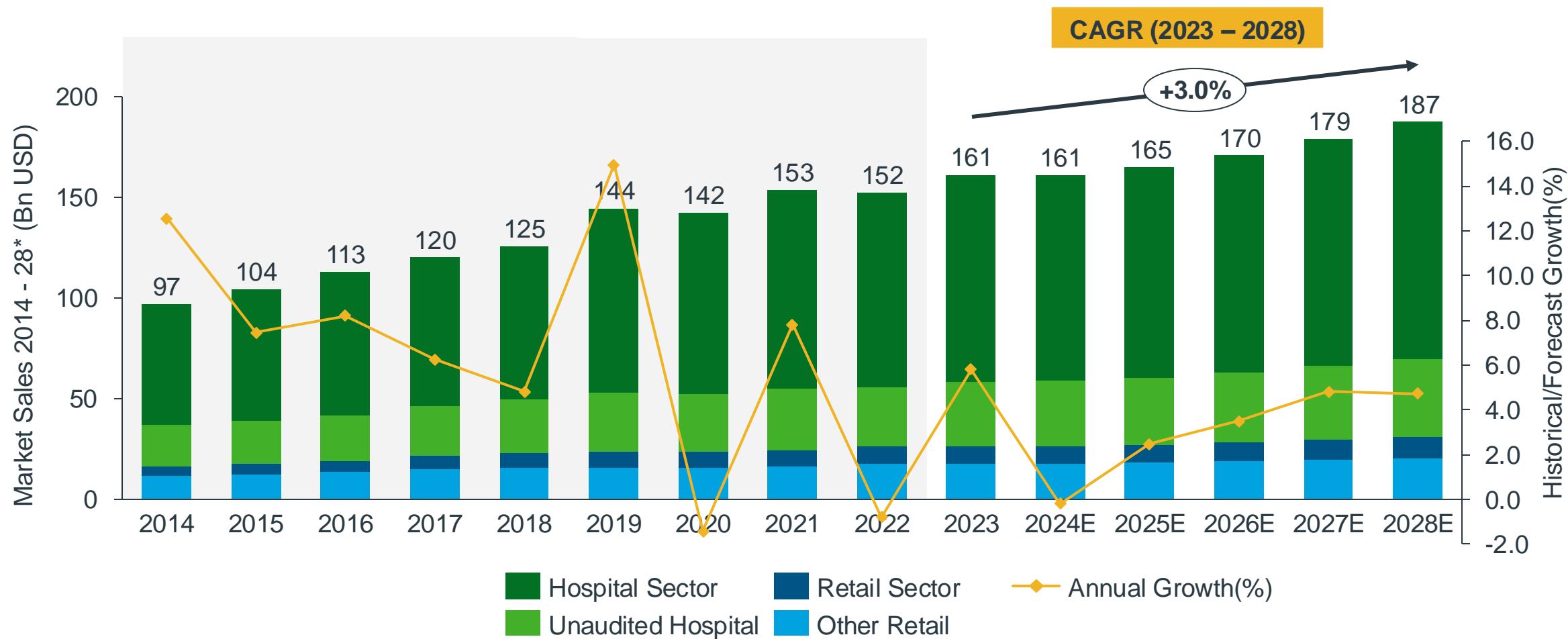
Pharmaceutical Sales 2023-28\* (Bn USD)



Rank	2028	Sales (US\$ Bn)
1	USA	1,089.2
2	China	187.0
3	Japan	99.5
4	Germany	88.8
5	France	66.7
6	UK (+1)	64.1
7	Italy (-1)	61.8
8	Brazil	52.1
9	Spain	51.0
10	Canada	49.8
11	India	38.6
12	South Korea	27.8
13	Poland (+6)	22.1
14	Russia (-1)	20.9
15	Mexico (+1)	19.5
16	Australia (-2)	19.5
17	Saudi Arabia	17.7
18	Turkey (+2)	16.2
19	Argentina (-1)	14.6
20	Thailand (+5)	12.4

Notes: Growth calculated using constant exchange rates; list prices used in all calculations  
\*Argentina excluded due to hyperinflation, \*\*5-year growth rates from 2023 to 2028  
Rebates and discounts are not considered. Contains Audited + Unaudited data; Growth considered on par if there is overlap between country and region CAGR ranges; Developed markets refer to EU4+UK, Japan, US and Canada  
Source: IQVIA EMEA Thought Leadership; Market Prognosis May 2024

# China total pharma market sales growth year over year from 2014 to 2028E

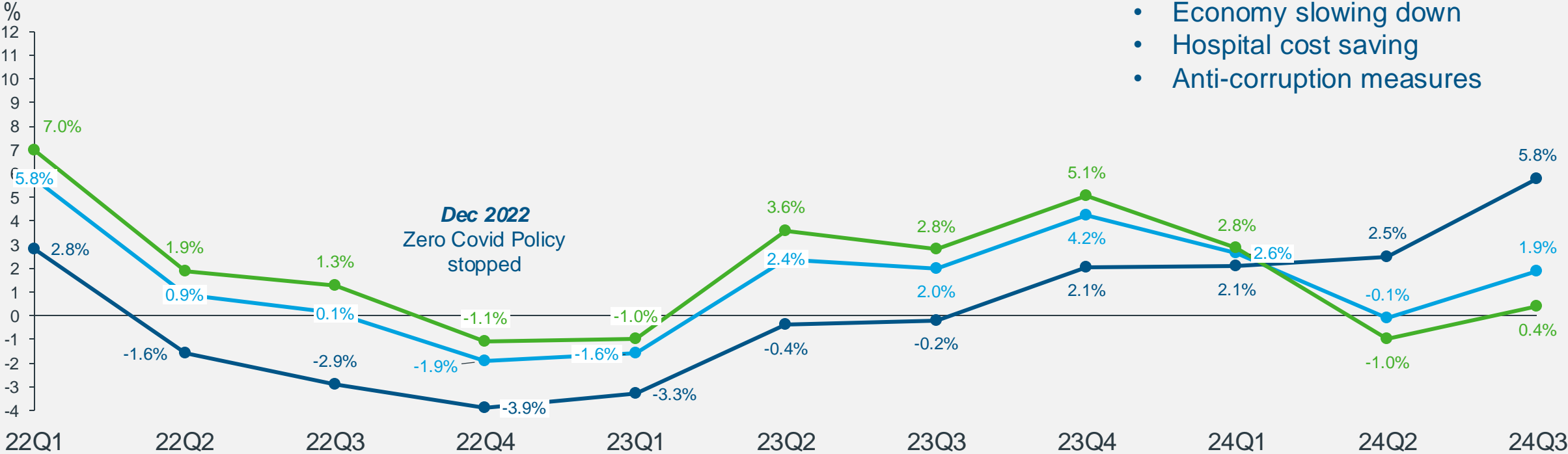


Sources: IQVIA MPG 2019, MPG 2022 and MPG 2024 Q3, USD rate from 2013 - 2022 is 0.13875825.

# Having yet to recover from the post COVID environment, various control measures in recent years have further impacted market conditions

Hospital Market Growth & Dynamics (MAT YoY)

—●— Total market —●— MNC —●— Local pharma





# The evolving market landscape and policies



# Pharmacos face a 'juxtaposition,' as they are challenged by government efforts to encourage innovation while exerting strong price controls



## Accelerating Approval & Access

1

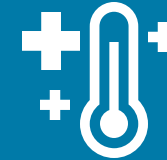
- Streamlined and accelerated regulatory process to encourage innovation



## Enhanced Market Access

2

- New drugs are invited to participate in annual NRDL negotiation
- Hainan and GBA conditional use of global-approved drugs



## VBP and NRDL Cost Saving

3

- Release budget through severe price cut on off-patent drugs
- Regular NRDL price cut and moving out lower-value drugs



## Budget Control and Cost Efficiency

4

- Hospital budget control via DRG/DIP
- BMI funding usage efficiency across channels

Innovation and Access

Innovation  
Ecosystem

Cost Saving/Budget Control

# An evolving China pharma market under Healthy China 2030: Encourage innovation accelerating R&D and market access

## “Healthy China 2030”

*issued in Oct. 2016*

## The 14<sup>th</sup> Five-Year Plan (2021-2025)

*issued in Nov. 2020*

“

- ❑ Encourage innovation
- ❑ Improve patient access and affordability
- ❑ Improve healthcare service efficiency

”

### Joining ICH in 2017 to develop under international standards

Ranked **2<sup>nd</sup>** globally in emerging biopharma pipeline in 2024

### Regulatory reform since 2017 to optimize regulatory process

**IND<sup>1</sup> 27 mos. ➡ 3 mos.**

**NDA<sup>1</sup> 26 mos. ➡ 11 mos.**

(2017 average) (after new policy issued)

### Influx of investments into China healthcare industry

A CAGR of **11%** in total amount of investment cases<sup>2</sup> from 2017 to 2022

### Reflux of R&D talents from global to local innovation

Returnees account for **>80%** of R&D talents<sup>3</sup>, becoming a new force in China's innovation

Note: 1. IND: Investigational New Drug (also known as CTA = Clinical Trial Application), IND policy: 60-day Acquiescence, NDA: New Drugs Application, NDA policy: Priority Review, Special Review and Conditional Approval Procedure 2. incl. deals from Angel to Pre-IPO; excl. IPO and M&A; 3. Top innovative talents among the top 17 innovative listed pharmaceutical companies  
Source: Government official website, IQVIA analysis, Global Trends in R&D 2023

# With regulatory acceleration, FDA and China approvals now can happen very closely to each other, and even synchronized



- National Medical Products Administration **NMPA** oversees both Clinical Trial Application **CTA** and New Drug Approval **NDA**
- Main focuses during NMPA assessment are **Safety, Efficacy and Quality Control**



## CTA Process

**27 mos.**  
(Before 2017)



**3 mos.**  
(after new CTA  
regulation)



## NDA Process

**26 mos.**  
(before 2017)



**6 mos.**  
(after new NDA  
regulation)



## CN & US Launch Time Lag

**5-7 yrs.**  
(before 2017)

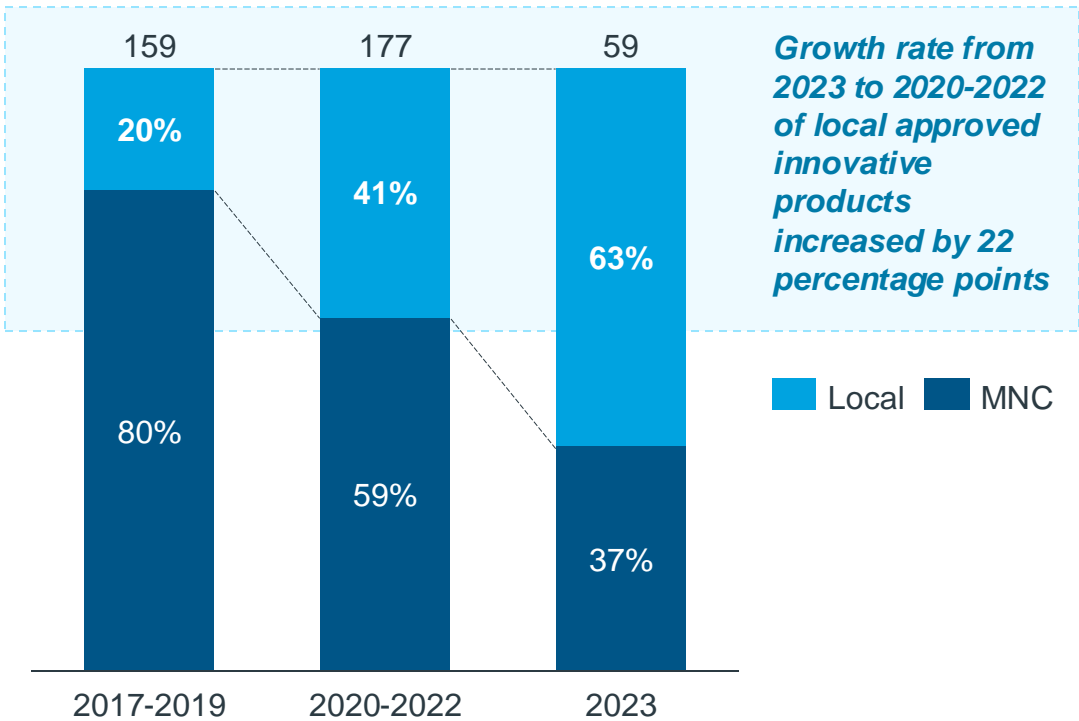


**Sync.**  
(after 2017)

# Local players become an increasingly strong pillar of China innovation, they bring both competition and collaboration opportunities

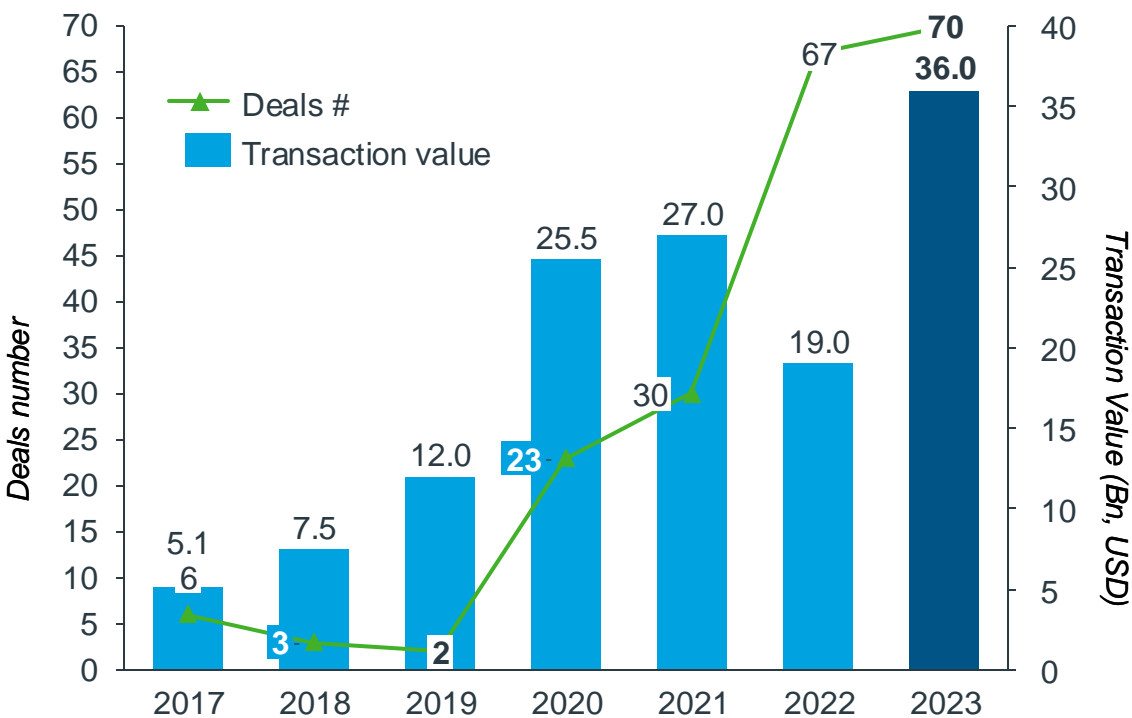
## A rise in the proportion of local innovative drug approvals emerged in recent years

Numbers of local and MNC novel drug approvals in China (2017-2023)



## More China originated novel products have been licensed out to Global pharma

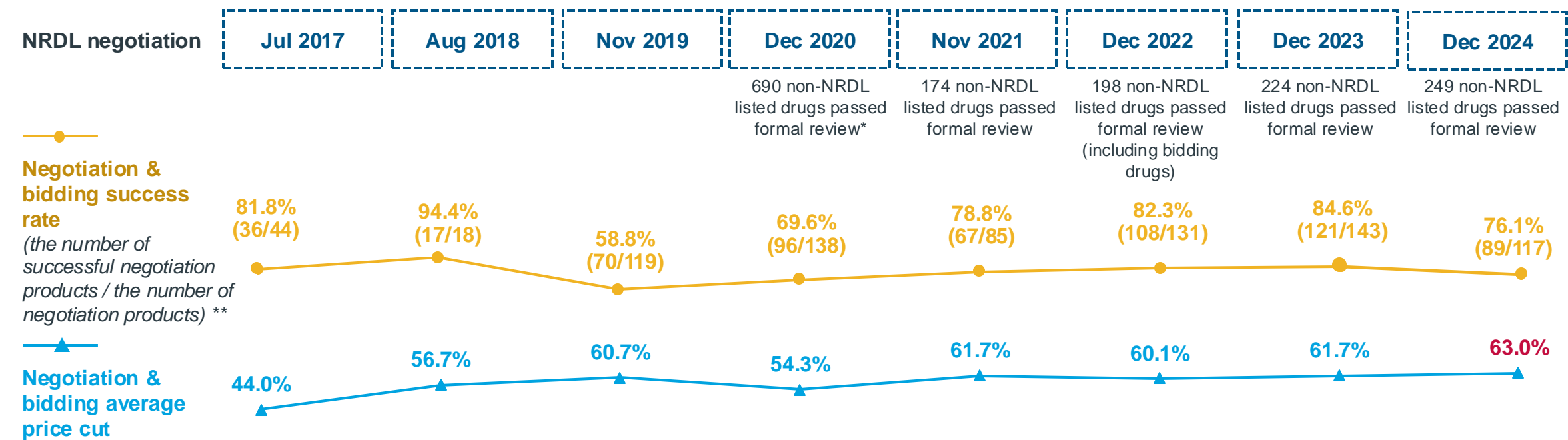
License-out deals of China originated innovative assets (2017-2023)



Note: Innovative drugs exclude biosimilars and generics  
Source: PharmaGo Database; Desktop research; IQVIA analysis

# NRDL has been normalized with average price cut stabilized at ~60%, and the rules are getting more transparent and scientific to favor innovations

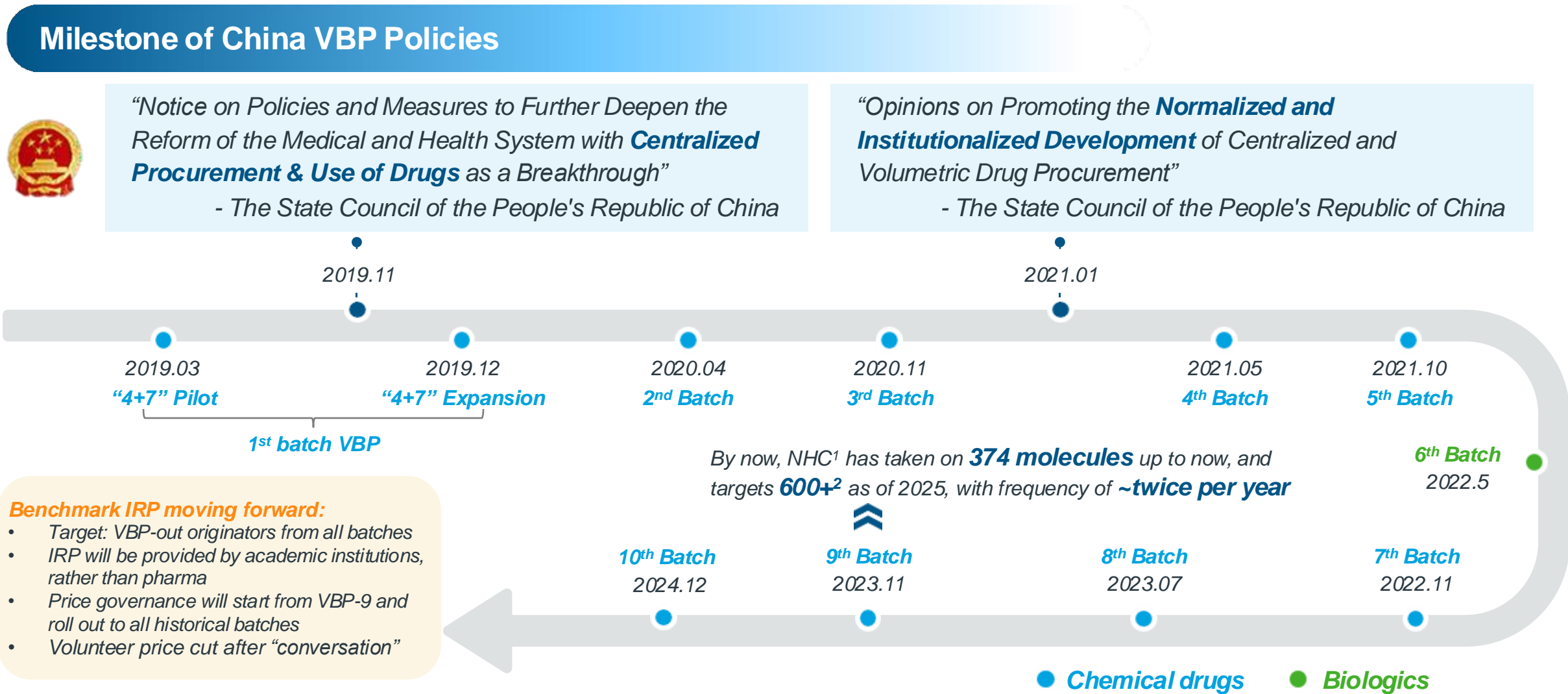
## NRDL negotiation success rate evolution since 2017



- In 2024, the average price of NRDL products dropped by 63%
- 2024 negotiation is facing high pressure, showing a lower negotiation ticket rate than 2023 NRDL
- New listing criteria were strengthened for genuine innovation or significant changes

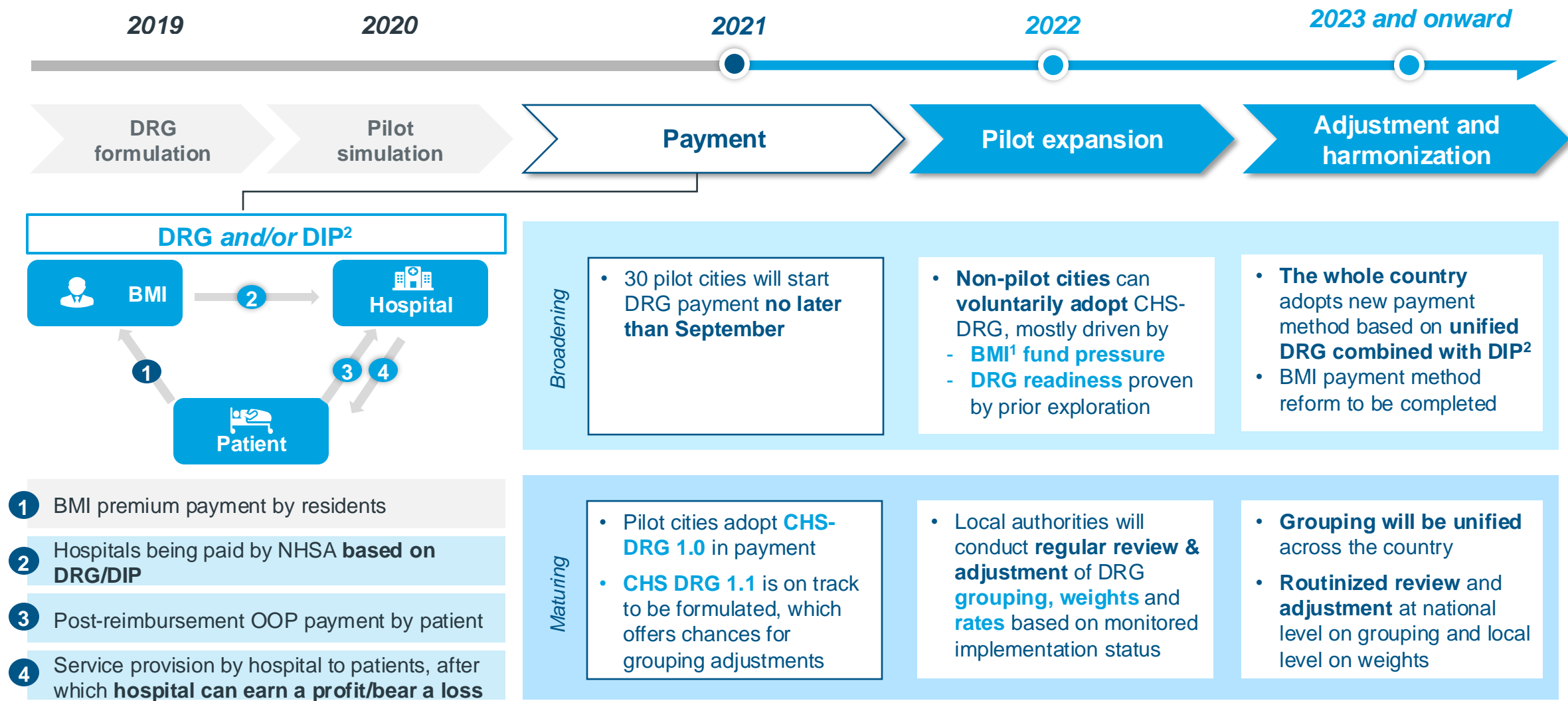
Note: \*If the same product meets multiple application requirements, it will not be double-counted; \*\*Before 2022, there are only negotiation success rates, excluding bidding price. In 2022, it includes negotiation and bidding price outside the NRDL list, as well as negotiation renewal in the NRDL list; &, median time (years), only analysis of successfully negotiated Western medicine  
Source: Official data released by the Ministry of Human Resources and Social Security and the National Healthcare Security Administration; IQVIA analysis

# Up to now, China has conducted 9 batches of national VBP, with emerging policies targeting at VBP-out originators through IRP benchmark





# Payment methods in DRG and/or DIP have helped public hospitals transform and will be expanded to more cities with regular and dynamic adjustment

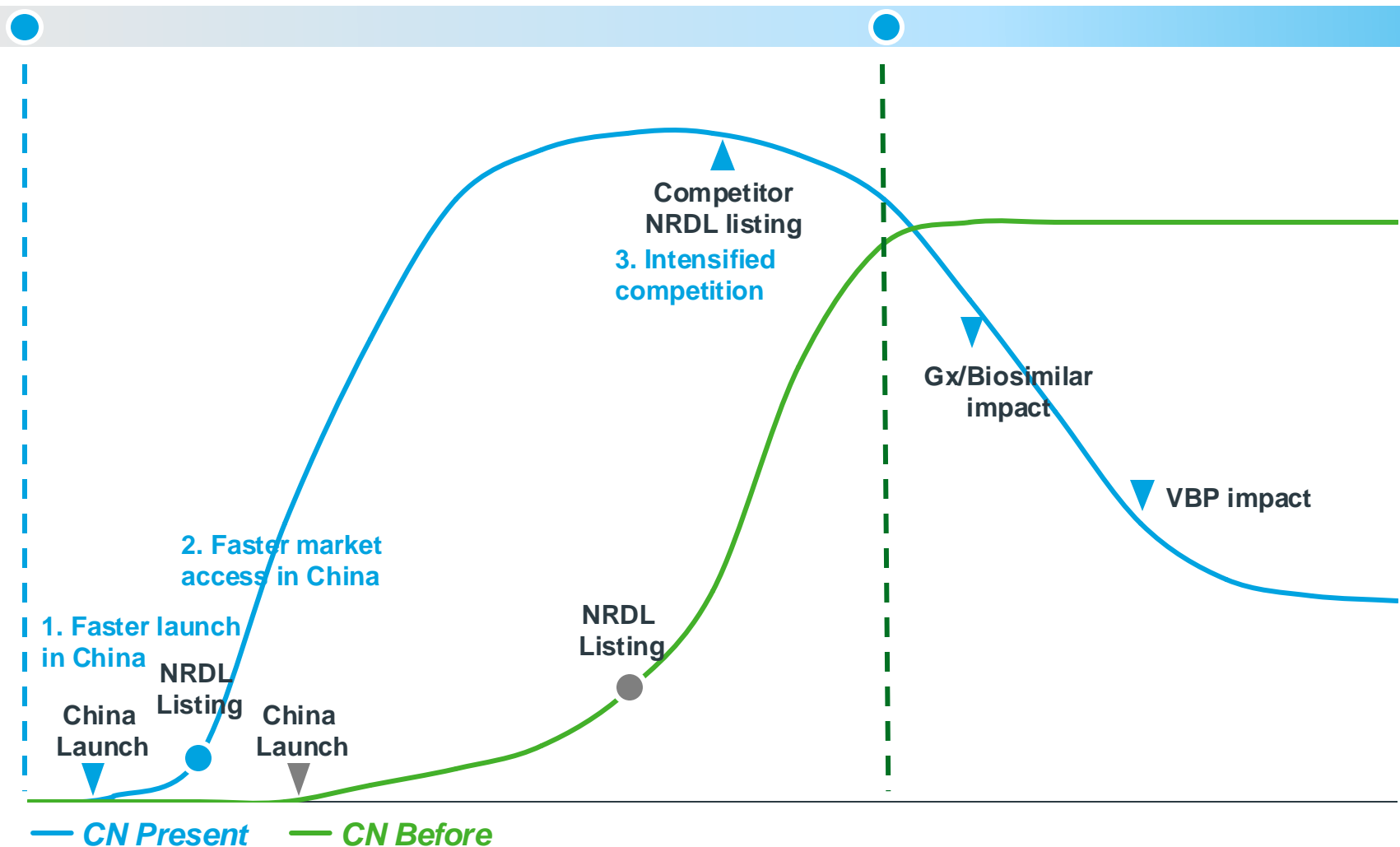


Note: 1. BMI = Basic Medical Insurances; 2. . Big Data Diagnosis-Intervention Packet  
Source: Payer & CI interview, Desk research, Literature review, IQVIA analysis

# Product lifecycle in China now has been significantly shortened, making commercialization more challenging for pharmaceutical companies

Global Launch

LOE



## Implications

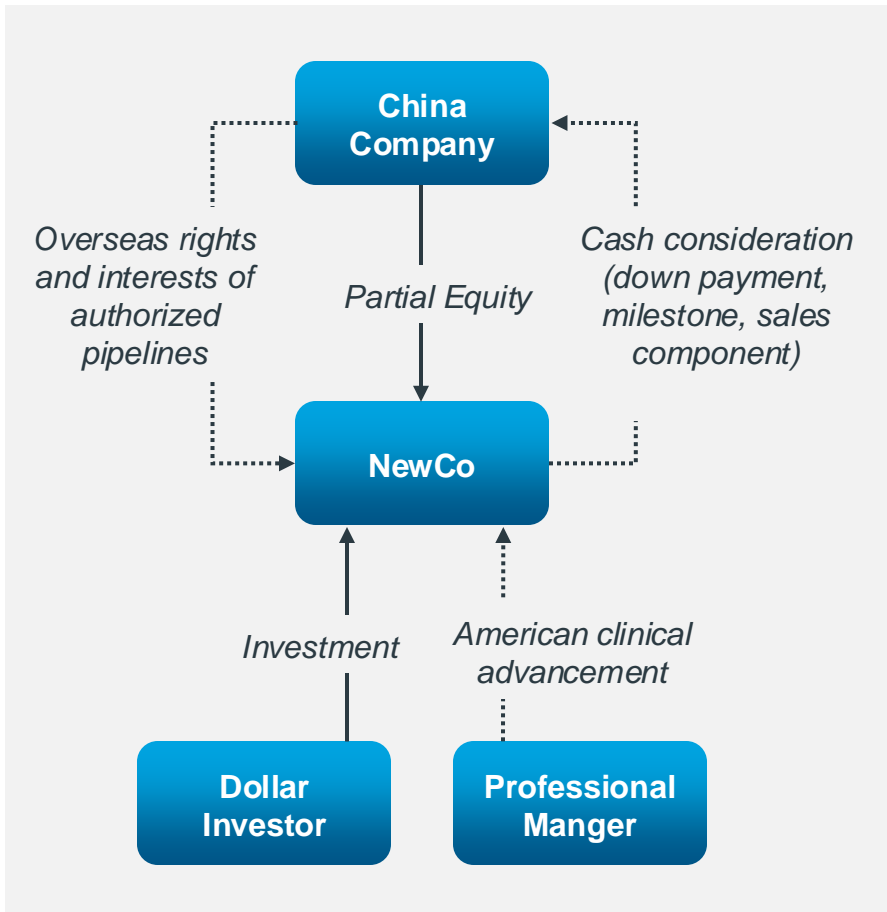
1. The new environment in China resulted in much **faster sales uptake** but **shortened product lifecycle**
2. A **combo of innovation and speed** will be the engine to drive strong growth momentum
3. At the growing stage, **continuous investment** in market penetration and lifecycle management is vital for product success





# China Outbound NewCo Model

# NewCo Model “101” introduction and insight



## NewCo Model Introduction






- A new company (NewCo) was established in the United States, and domestic innovative pharmaceutical companies authorized the overseas rights and interests of their core pipelines to this company. In addition to the authorization fee, part of the consideration was the equity of NewCo.
- At the same time, as a pure American company, NewCo will raise funds in the American market, and finally go public under the independent operation of the United States or be acquired by large pharmaceutical companies to realize the withdrawal of shareholders and investors.



## NewCo Model Insight

- Obtaining cash flow income through licensing transactions and holding shares in NewCo have both advantages of pipeline BD and capital operation, and enjoy the potential of sales sharing and listing/M&A value-added.
- The dual value of industrial investment and capital operation can be realized by sharing the dividend of high return and high capital fever in the innovative pharmaceutical industry in the United States and leveraging the mature listing/merger mechanism.
- The main body of China and the United States operates independently, which not only ensures the autonomy of domestic R&D and capital operation by splitting overseas rights and interests, but also realizes the dual efficiency of cross-border collaboration and risk isolation.
- Through overseas financing support and flexible pricing mechanism to supplement cash flow and avoid domestic valuation pressure, relying on pure American capital structure to avoid geographical risks, effectively solve the urgent needs of domestic entities and realize the advantages of cross-border capital operation.

# NewCo vs. BD (to MNCs) in the Eyes of Asset Originator

	NewCo Model	Conventional Out-Licensing
 <b>Advance Payment</b>	<ul style="list-style-type: none"><li>• Generally, it is lower than MNC, but the absolute value is not low</li></ul>	<ul style="list-style-type: none"><li>• Relatively high, and there is a trend of higher and higher</li></ul>
 <b>Shareholding</b>	<ul style="list-style-type: none"><li>• Around 10-30%</li><li>• Generally considered together with the advance payment</li></ul>	<ul style="list-style-type: none"><li>• No share</li></ul>
 <b>Operation</b>	<ul style="list-style-type: none"><li>• Generally have a board seat</li><li>• Can participate in the development of assets as a substantial stakeholder</li></ul>	<ul style="list-style-type: none"><li>• No (only architectures like JSC or JDC passively participate)</li></ul>
 <b>Focus</b>	<ul style="list-style-type: none"><li>• Very focused (most NewCo is single asset mode)</li><li>• Downside comes from the development risk of the asset itself</li></ul>	<ul style="list-style-type: none"><li>• Depends on the licensee's own strategic "strength"</li><li>• Downside comes from the development risk of the asset itself + the "strategic adjustment" of the licensee</li></ul>
 <b>Validation</b>	<ul style="list-style-type: none"><li>• It has the function of partial validation if the counterparty is a well-known fund</li></ul>	<ul style="list-style-type: none"><li>• If the counterparty is Big Pharma, the role of higher validation</li></ul>

## NewCo vs. BD (to MNCs) – No Need to Pick & Choose

In practice, NewCo and overseas BD can be pursued in parallel using a "dual track" approach (similar to attempting both an IPO and M&A simultaneously in capital market transactions), and no need to choose one or the other.

Both tracks can be advanced to the term sheet stage before making a substantive evaluation and selection.

The dual track approach can also strengthen the negotiating leverage of the project company with respect to BD and NewCo counterparties.

The additional complexity and pressure on internal resources generated during the transaction process can be managed through the judicious use of external intermediaries (such as financial advisors, sourcing agents, etc.).

NewCo is essentially an intermediate state in the transaction to be sold to Big Pharma, so even if NewCo successfully completes financing and begins operations, maintaining communication with MNCs remains one of NewCo's most important tasks.



**Thank you and for further  
questions please contact:**

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