

# **Strategic Goal and Action Plan for Improving Drug Discovery Capabilities to Support Early Availability of Innovative Drug -Toward Implementation of the Interim Report-**

July 30, 2024

National Healthcare Policy Secretariat

# Three strategic goals and performance targets

The government, together with the relevant ministries, will pursue the **three strategic goals** set forth in the interim report by promoting and executing concrete measures and projects. **The aim is to achieve the following performance targets (outcomes):**

(1) **"Prompt Delivery of Novel Drugs to Patients"**

- Eliminate the current drug loss (start development by FY2026 for drugs that treat diseases for which no drugs exist in Japan)
  - \* Furthermore, to prevent new drug loss in Japan, mid-term performance targets will be set based on the discussions and examinations in the public-private council, while considering the situation in the U.S. and Europe.
- Aim for 50 development plans for pediatric drugs and 150 approvals of orphan drugs for (cumulative from FY2024 to FY2028)

(2) **"Become one of the world's leading drug discovery sites"**

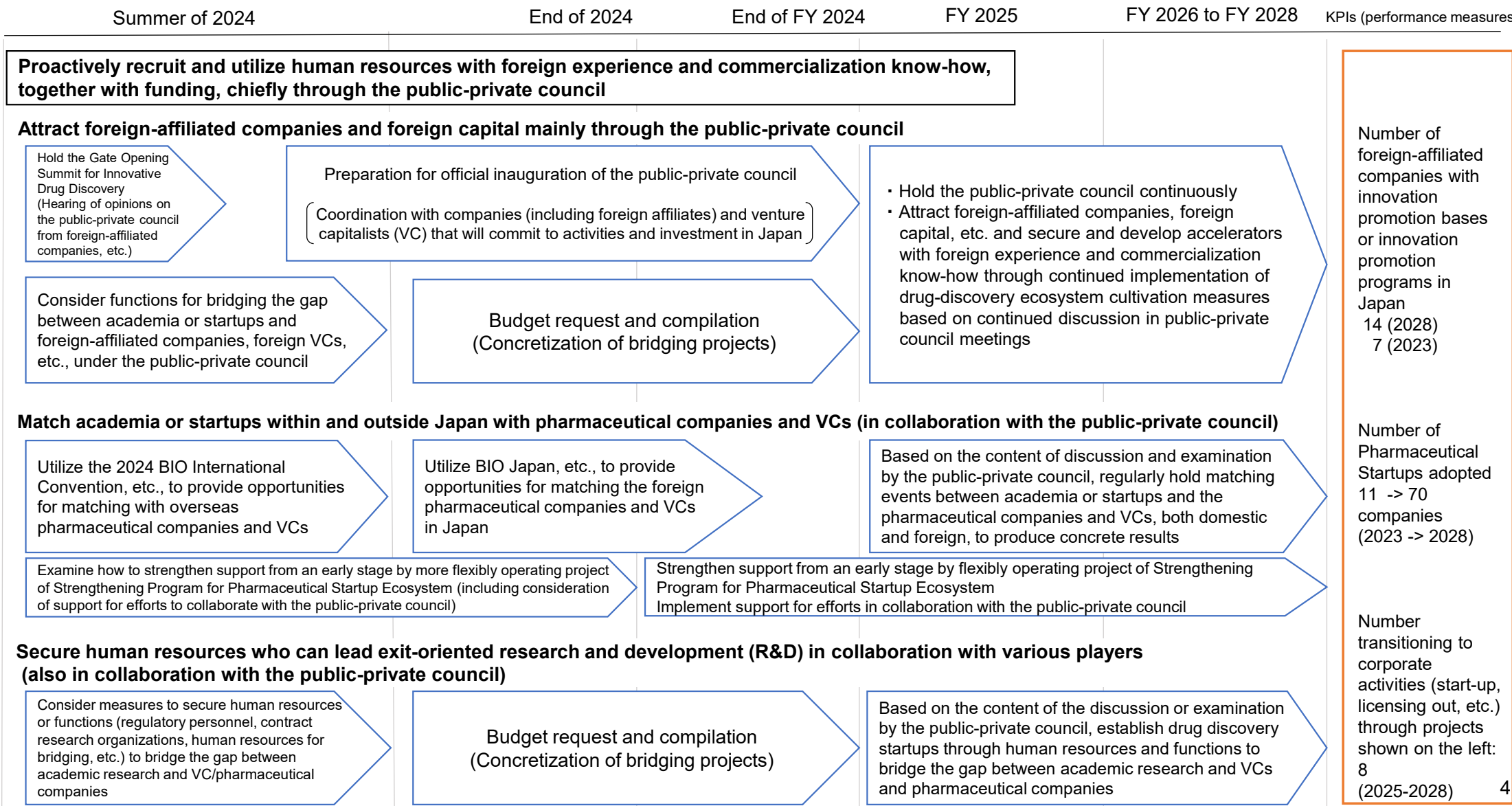
(3) **"Cyclically develop investment and innovation"**

- Increase the number of initial clinical trial plan notifications for global clinical trials in Japan from 100 to 150 (from 2021 to 2028)
- Ensure private investment in drug discovery startups (two-fold increase; 2023 -> 2028)
- Develop 10 or more new drug discovery startups with a corporate value of 10 billion yen or more (2028) \*Develop drug discovery unicorns by 2033
- Ensure recognition of Japan's cities as among the world leader in drug discovery (within the top 10; 2028)

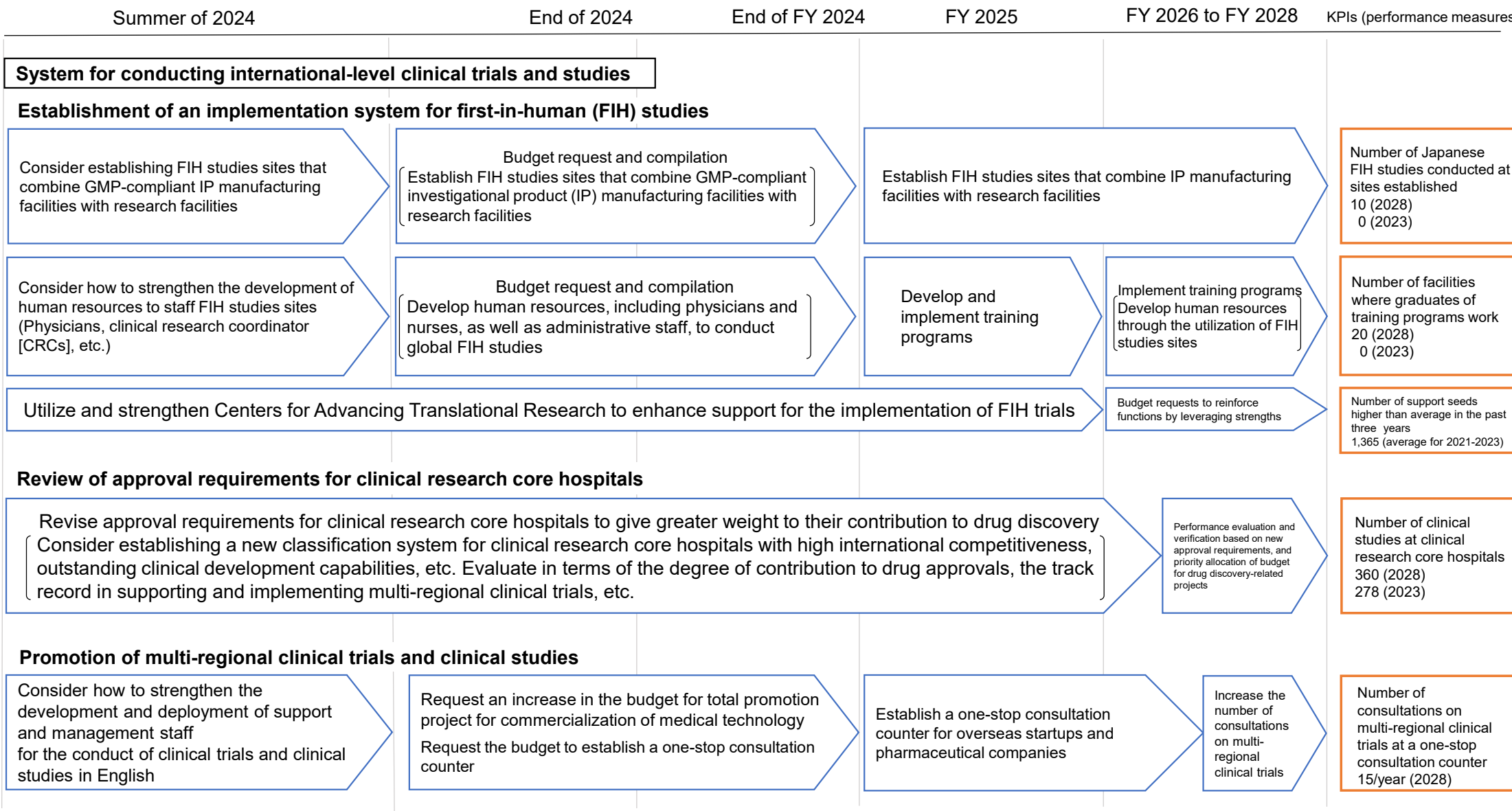
To achieve the above goals, create five-year flowcharts for each policy, establish **outcome measures (key performance indicators [KPIs])**, and provide **follow-ups to track progress**. In addition, **review** the flowcharts and KPIs **in a timely and appropriate manner based on the achievement status of performance targets (outcomes), the progress of policy measures, and any changes in the circumstances surrounding drug discovery**. Implement follow-up through **comprehensive evaluation by experts** in addition to evaluation of the above performance targets.

# 1. Strengthen Japan's Drug Discovery Capabilities

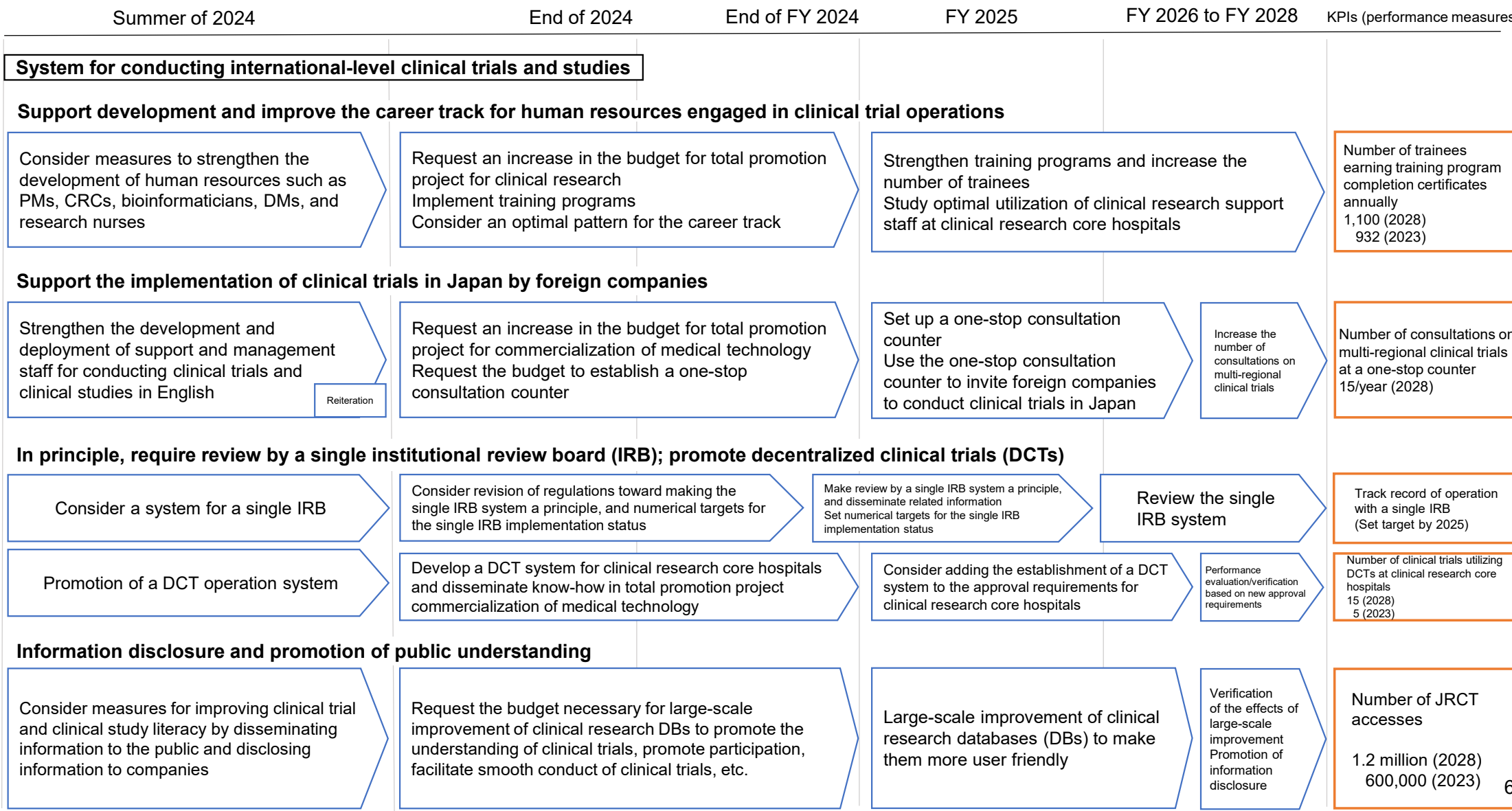
# Schedules and flowcharts for each policy measure [1]



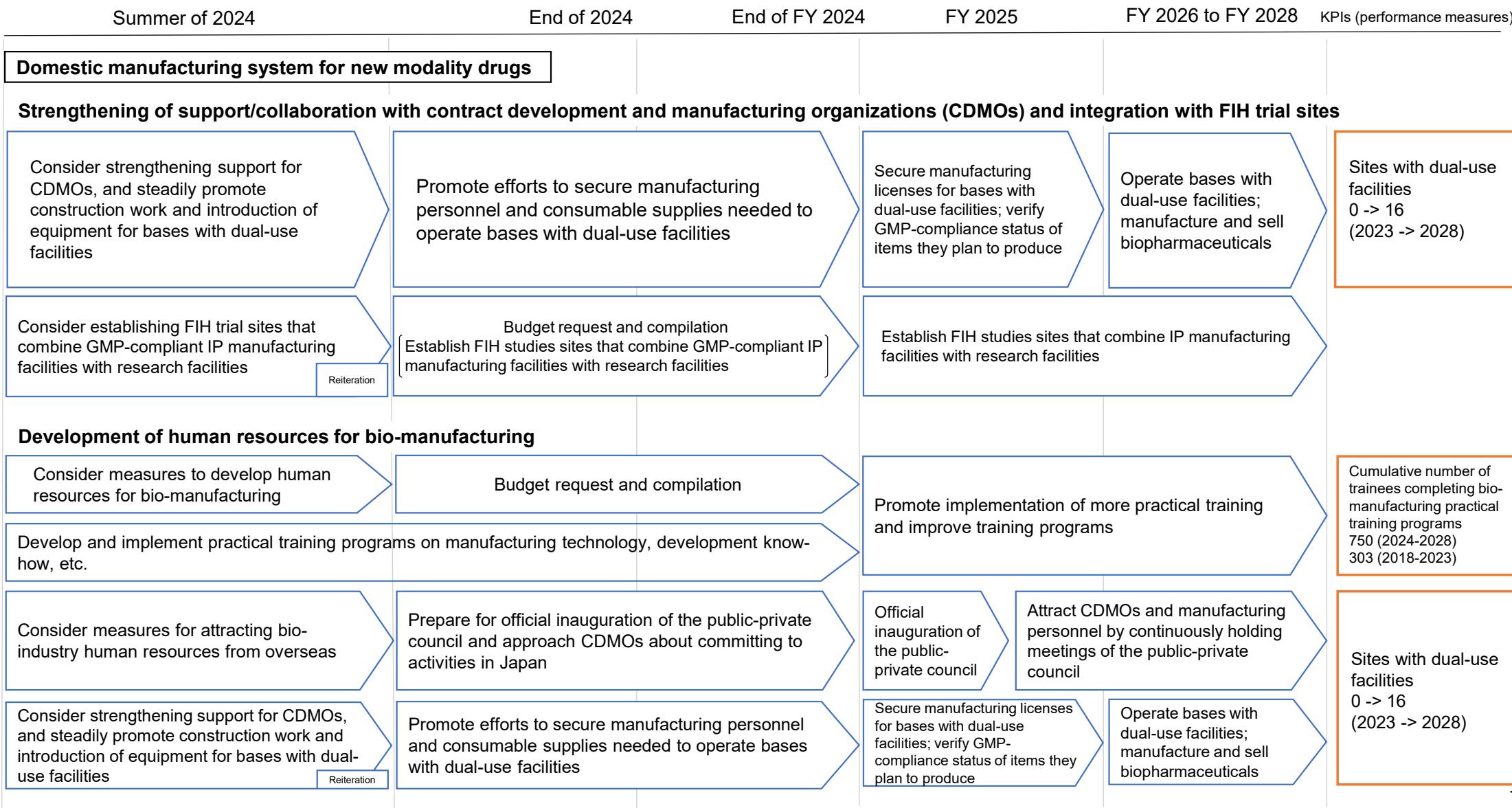
# Schedules and flowcharts for each policy measure [2]



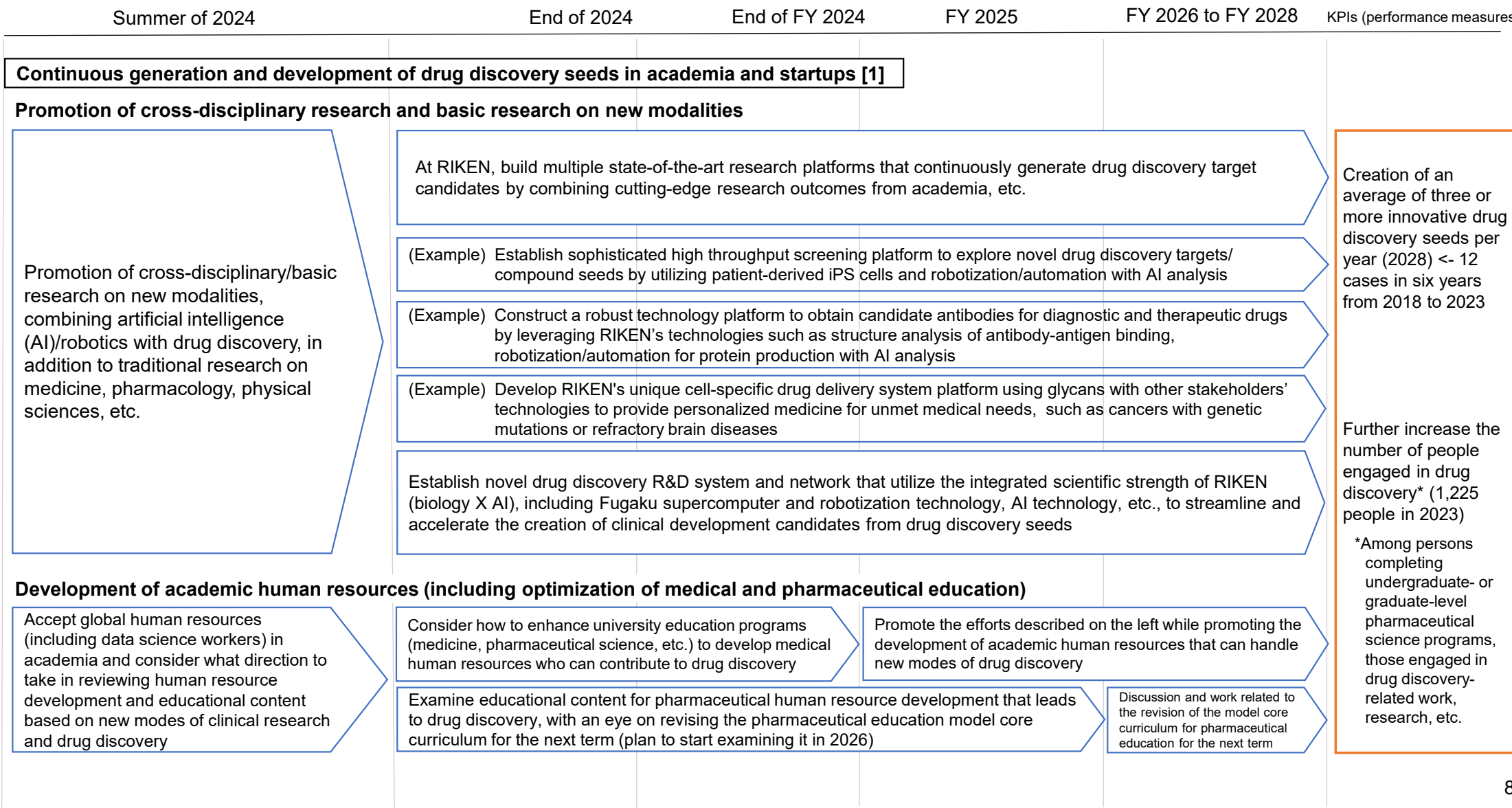
# Schedules and flowcharts for each policy measure [3]



# Schedules and flowcharts for each policy measure [4]

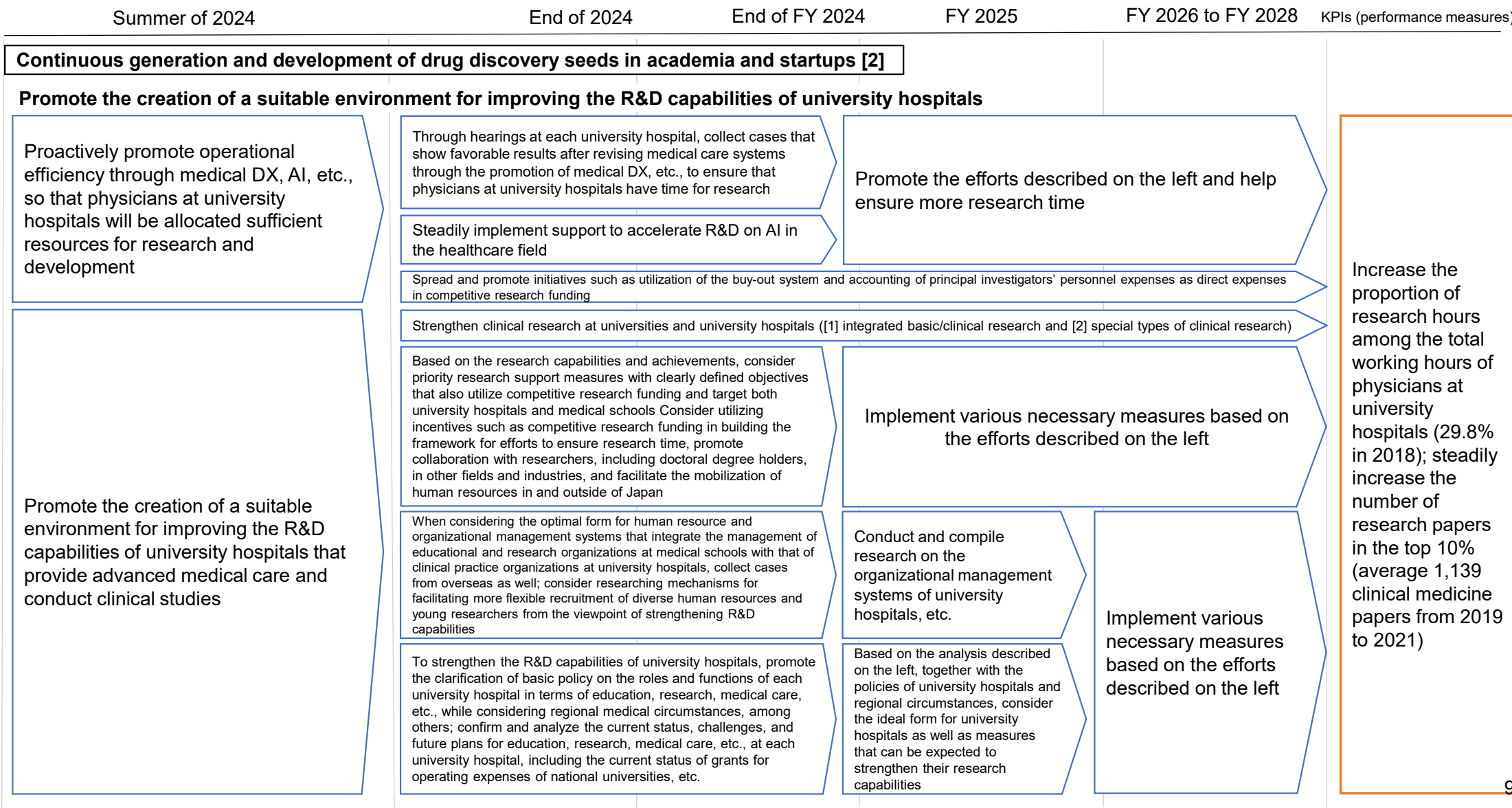


# Schedules and flowcharts for each policy measure [5]

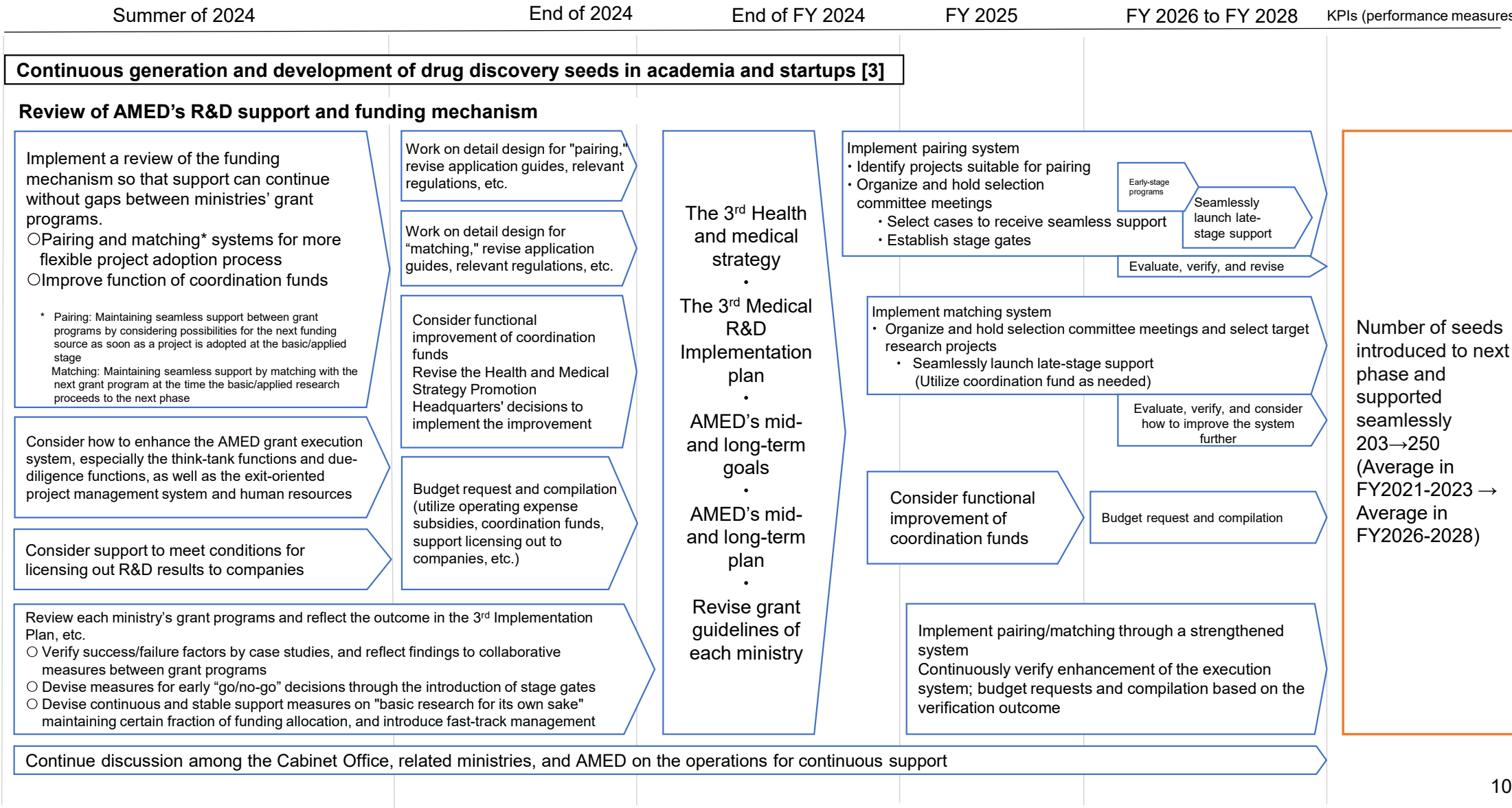




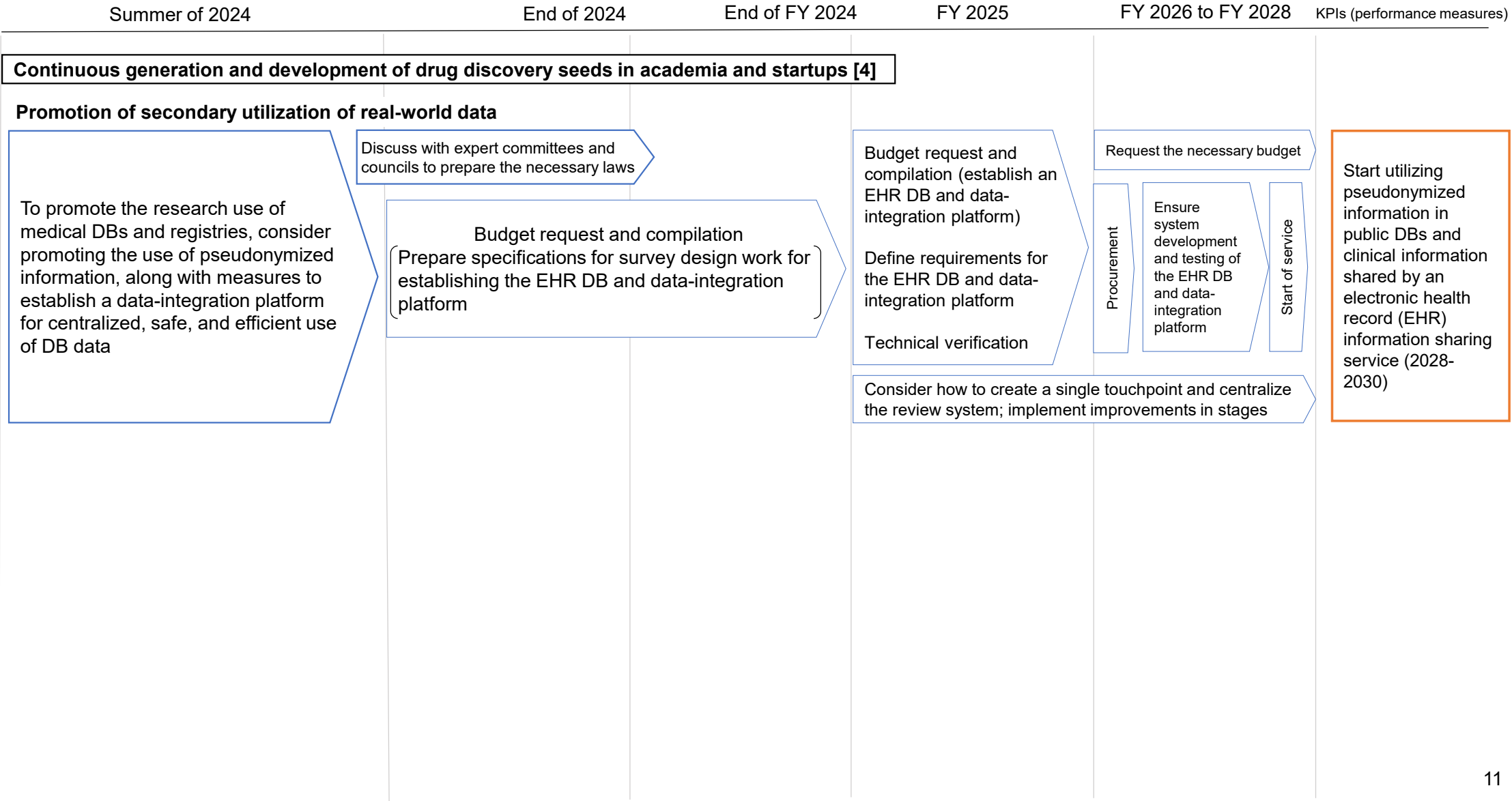
# Schedules and flowcharts for each policy measure [6]



# Schedules and flowcharts for each policy measure [7]

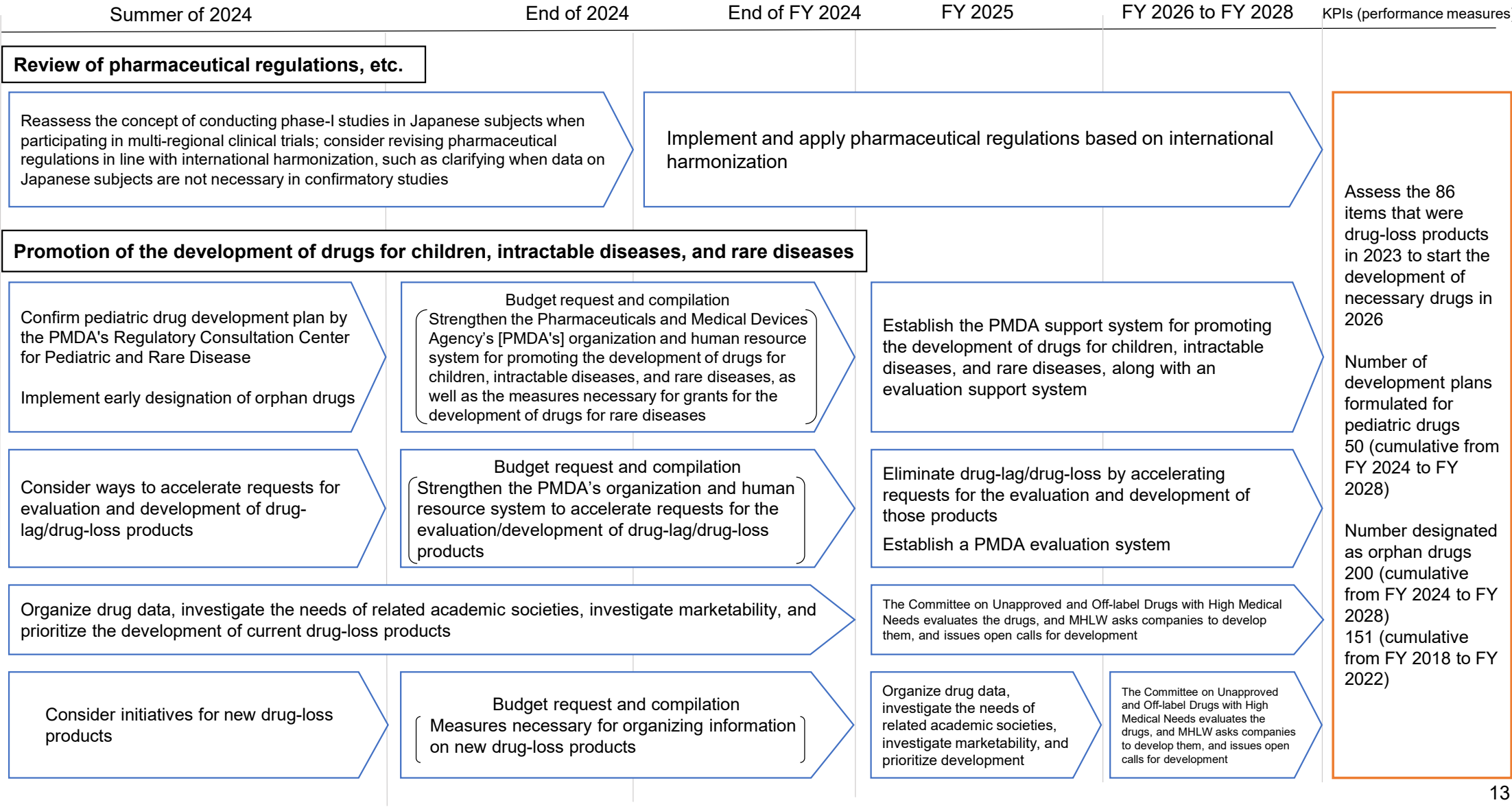


# Schedules and flowcharts for each policy measure [8]



## 2. Prompt Delivery of Novel Drugs to Patients

# Schedules and flowcharts for each policy measure [1]



# Schedules and flowcharts for each policy measure [2]

Summer of 2024	End of 2024	End of FY 2024	FY 2025	FY 2026 to FY 2028	KPIs (performance measures)
<div>PMDA's consultation/review system</div> <div>Consultation and support to promote the clinical application of new modality drugs</div> <div> <div>Consider how to improve early-stage access to PMDA's consultation and support system on pharmaceutical regulations for startups and academia</div> <div> <div>Budget request and compilation</div> <div>Measures necessary to strengthen PMDA's organization and human resource system for handling consultations at an early stage</div> </div> <div> <div>Establish the PMDA organization/human resource system</div> <div>Implement consultations on startups, etc.</div> <div>Publicize and spread early consideration of new modality drugs</div> </div> </div>					
<div>Anglicization of processes and documents and participation in the framework of international joint review</div> <div> <div>Promote anglicization of processes and documents and consider active participation in the cooperative framework for international review</div> <div> <div>Budget request and compilation</div> <div>Measures necessary for strengthening the PMDA's organization and human resource system and handling anglicization</div> </div> <div> <div>Accept English materials on a trial basis</div> <div>Participate actively in a cooperative framework for international review</div> <div>Coordinate with foreign authorities to promote regulatory harmonization</div> <div>Establish the PMDA system for handling anglicization</div> </div> </div>					
<div>Disseminating the message that pharmaceutical regulations in Japan are open internationally</div> <div> <div>Consider a plan on how to inform overseas startups of regulatory initiatives being taken in Japan</div> <div> <div>Establish a PMDA office in Washington, D.C.</div> <div>Budget request and compilation</div> <div>Measures regulatory staff need to take to disseminate information overseas</div> </div> <div> <div>Promote publication of anglicized guidelines, etc.</div> <div>Disseminate information on the Japanese system at overseas academic conferences, etc.</div> <div>Operate PMDA's overseas offices and handle consultations</div> </div> </div>					
					<div>Assess the 86 items that were drug-loss products in 2023 to start the development of necessary drugs in 2026 (reiteration)</div>

### 3. Construction of a Social System That Allows Continued Cyclical Development of Investment and Innovation

# Schedules and flowcharts for each policy measure

Summer of 2024	End of 2024	End of FY 2024	FY 2025	FY 2026 to FY 2028	KPIs (performance measure)
Appropriate evaluation of the value of innovative drugs, departure from dependence on long-listed products, etc.					Assess the 86 items that were drug-loss products in 2023 to start the development of necessary drugs in 2026
Verify the FY 2024 drug pricing system reform			Discuss reform of the FY 2026 drug pricing system	Discuss individual drug pricing system reforms	
Based on the report of the Council on Industrial Structure for the Realization of Stable Supply of Generic Drugs, while maintaining a stable supply of pharmaceuticals, promote structural reforms with an eye on the ideal form of the generic drug industry, with a view to industry restructuring, and develop a legal framework for stable supply	Consider support measures such as financial/fiscal measures (Request the budget as needed)		Starting with those first realized, sequentially implement financial/fiscal measures, legal framework, etc.		Share of generic drugs by quantity: 80% or more in all prefectures (2028) Unachieved in 11 prefectures (2023) Share of generic drugs by monetary value: 65% or more (2029) 56.7%(2023)
	Consider the legal framework				
Sort out legal issues related to the Antimonopoly Act to promote collaboration and cooperation between companies; Consider the establishment of a consultation desk, etc.					
Promotion of self-care and self-medication by supporting the switch to over-the-counter (OTC) drugs, etc.					
Consider programs to conduct highly versatile and effective educational activities that redirect behavior of users, along with verifying the effectiveness of the self-medication tax system					In principle, switch to OTC drugs by the end of 2026 for drugs that have already been switched to OTC in at least two other countries
Receive requests for the OTC switch from academic societies, etc.; evaluate the validity of switching based on the Evaluation and Review Committee on Switching from Ethical Drugs to BTC/OTC Drugs; and promote the development and launch of switch OTC drugs					
Spread health-related knowledge among the public through the Smart Life Project, e-health net, etc. *Update the disseminated information as necessary and consider public awareness themes, based on the latest information and scientific knowledge					
Promote the use of biosimilars and utilize private insurance in addition to public insurance for new technologies					
Formulate a roadmap for promoting the use of generics based on confirmation of the status of achievement in promoting the use of biosimilars, and discussion in council of experts, etc.	Implement and promote measures based on the roadmap to be created in FY 2024 Verify the effect of measures to promote the spread of biosimilars, and consider further efforts				Number of original biopharmaceuticals with 80%+ replacement by biosimilars 60%(2029) 25%(2023)
Expand the scope of the system of uninsured concomitant medical care expenses to enable quickly access to cutting-edge medical care the efficacy of which has not been sufficiently evaluated. Consider utilizing private insurance from the viewpoint of smooth access and reducing the burden on patients. While maintaining the universal health insurance system, consider making certain drugs available to patients upon request, such as drugs that have biosimilar or other alternatives and can be selected in treatment covered by health insurance.					