

Second Quarter Business Results for Fiscal 2022

November 7, 2022 TSUMURA & CO.



01 Second Quarter Business Results for FY 2022

02 R&D Direction and Recent Progress



THE BEST OF NATURE AND SCIENCE

Second Quarter Business Results for Fiscal 2022

November 7, 2022

President and Representative Director, CEO Terukazu Kato agenda





Second Quarter Business Results for FY 2022



Initiatives and Progress for Domestic Business and China Business



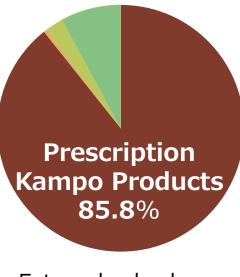
FY 2022 Earnings Forecast

2Q Business Results for FY 2022

[Million yen]	2Q FY 2022 Revised Plan	2Q FY 2022	Achievement	ΥοΥ		
	(3/8/2022)	results	rate	Amount	Change	
Sales	68,900	70,107	101.8%	+6,690	+10.5%	
Domestic business	-	62,922	-	_	-	
China business	-	7,184	-	-	-	
Operating profit	10,700	11,677	109.1%	(6)	(0.1) %	
Domestic business	_	11,765	_	_	_	
China business	_	△87	_	_	_	
Ordinary profit	14,000	15,965	114.0%	+2,556	+19.1%	
Profit attributable to owners of parent	9,600	11,889	123.8%	+1,923	+19.3%	
PL translation rate (CNY)		18.98	_	+2.32	_	

Ratio to total sales

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External sales by

- consolidated subsidiaries 10.9%
- OTC Kampo etc 2.9%

Other prescription pharmaceuticals 0.4%



Achieved revised plan for sales and profits at each level

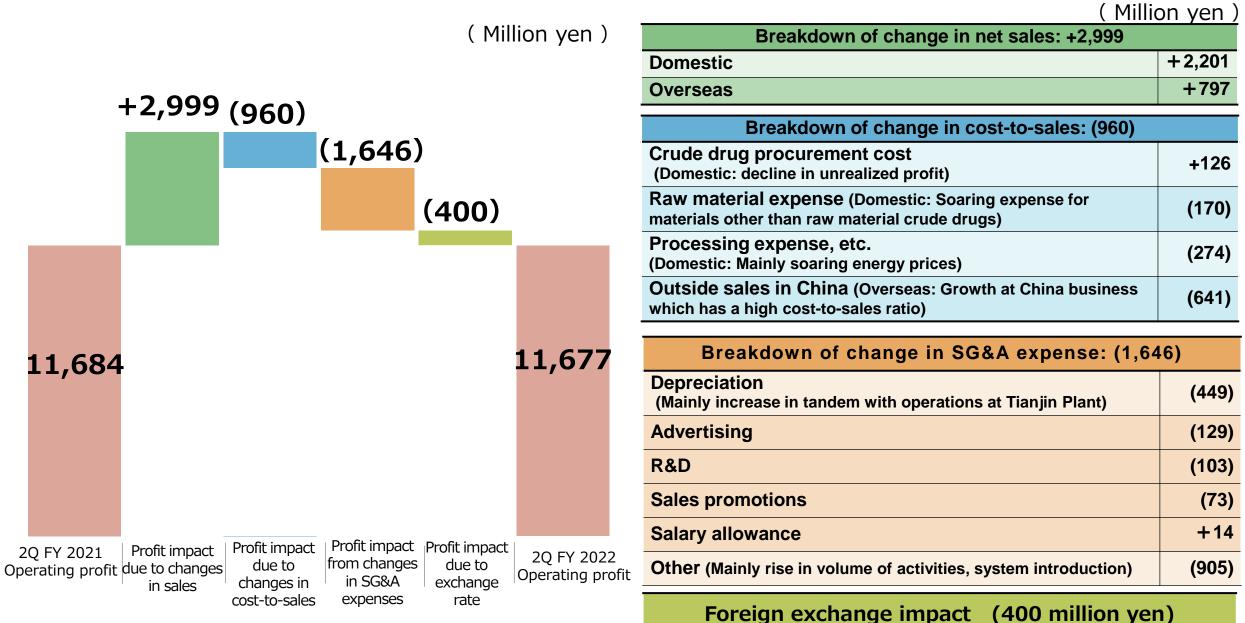
Net sales	70,107	million yen	Achievement rate	+101.8%	ΥοΥ	+10.5%	
Sales of the 129 prescription Kampo products: 60,191 million yen, grew 6.8% year-on-year							
Sales of OTC Kampo formulations and other healthcare products: 2,003 million yen, rose 20.0% year-on-year							
China business sale	es: 7,184 million ye	en					
Operating profit	11,677	million yen	Achievement rate	+109.1%	YoY	(0.1%)	
Operating profit margin	16.7	%	vs. revised plan	+1.2pt	YoY	(1.7pt)	

Cost-to-sales ratio: 50.3%, down 0.1pt vs. revised plan but up 1.9pt year-on-year; YoY comparison: Mainly impact of a climb in energy expenses and a growth in external sales in China

SG&A ratio: 33.0%, down 1.1pt vs. revised plan and down 0.1pt year-on-year; YoY comparison: Rise in sales mainly absorbed the one-off rise in expense in tandem with operations at the Tianjin Plant

Ordinary profit	15,965	million yen	Achievement rate	+114.0%	YoY	+19.1%
 Foreign exchange gair exchange impact (acce 	•			: 3,950 million y	ven, up 2,76	65 million yen; foreign
Profit attributable to owners of parent	11,889	million yen	Achievement rate	+123.8%	YoY	+19.3%

Factors Triggering Changes in Operating Profit (YoY)



Financial Condition/Cash Flow Position

(Million yen)										
	FY 2021 (March 2022)	FY 2022 2Q	Change	Bond	issua	nce: 3	80 billio	on yer	ן (Sep.	8, 2022)
Total assets	350,981	402,930	51,948					(Hundred	million yen)
Current assets	229,420	275,438	46,017						+44	1,004
Non-current assets	121,561	127,492	5,931					+269		1,001
Total liabilities	92,871	124,628	31,756							
Current liabilities	45,875	47,754	1,879							
Non-current liabilities	46,996	76,873	29,877			+96	(80)			
Total net assets	258,109	278,302	20,192		675	_				
Equity ratio	68.3%	63.8%	(4.5) pt							
	FY 2021 (March 2022)	FY 2022 2Q	Change	Of which, Exchange rate	Cash and cash equivalents at beginning of period	Operating	Investing	Financing	Impact of exchange translations	Cash and cash equivalents at end of period
Inventories	92,751	100,764	8,012	7,470	cash of pe		activ	Financing activities	f exc ons	cash Is at (
Merchandise and finished goods	10,247	10,138	(109)	408	equiv Priod	vitie	activities I activities		change rate	end o
Work in process	13,614	13,139	(475)	238	/alent	U				<u> </u>
Raw materials and supplies	68,889	77,485	8,596	6,823	's at				ŀ	8

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Procure funds through bond issuance to use to fund growth investments

and for the redemption of outstanding bonds

	No. 1 unsecured bond (7-year bond)	No. 2 unsecured bond (10-year bond)	No. 3 unsecured bond (7-year bond)	No. 4 unsecured bond (10-year bond)				
Total issuance	15.0 billion yen	15.0 billion yen	15.0 billion yen	15.0 billion yen				
Issuance date	June 2017	June 2017	September 2022	September 2022				
Maturity	May 2024	June 2027	September 2029	September 2032				
	Use of funds procured from the issuance of the No. 3 and No. 4 unsecured bonds							
Redemption for outstanding bonds Growth investment								
	Portion of funds will be for the redemption of the No. 1 unsecured bond DX (digital transformation): roughly 115.0 billion yen							

agenda





Second Quarter Business Results for FY 2022



Initiatives and Progress for Domestic Business and China Business



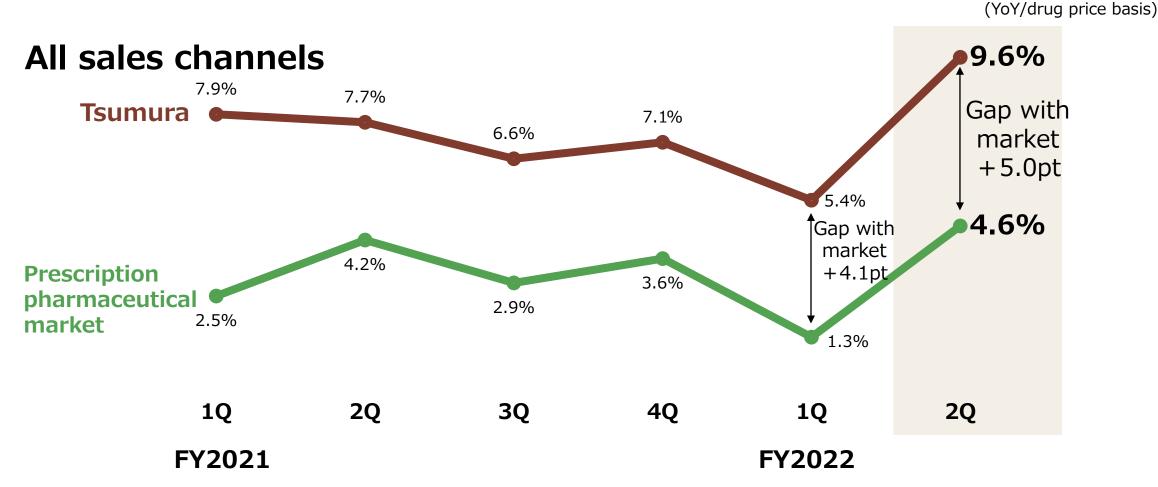
FY 2022 Earnings Forecast

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Comparison with the Prescription Pharmaceutical Market



On a NHI drug price basis, grew 9.6% year-on-year Gap with the market expanded 0.9pt, versus 1Q

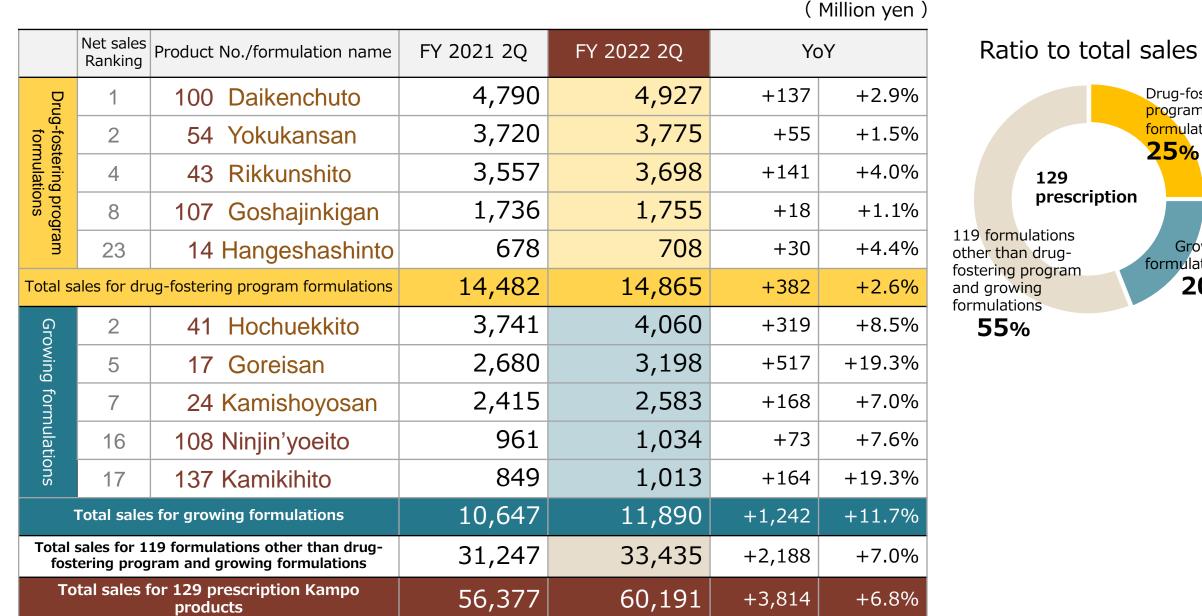


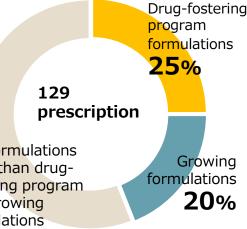
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Sales of Drug-fostering Program Formulations/Growing **Formulations**

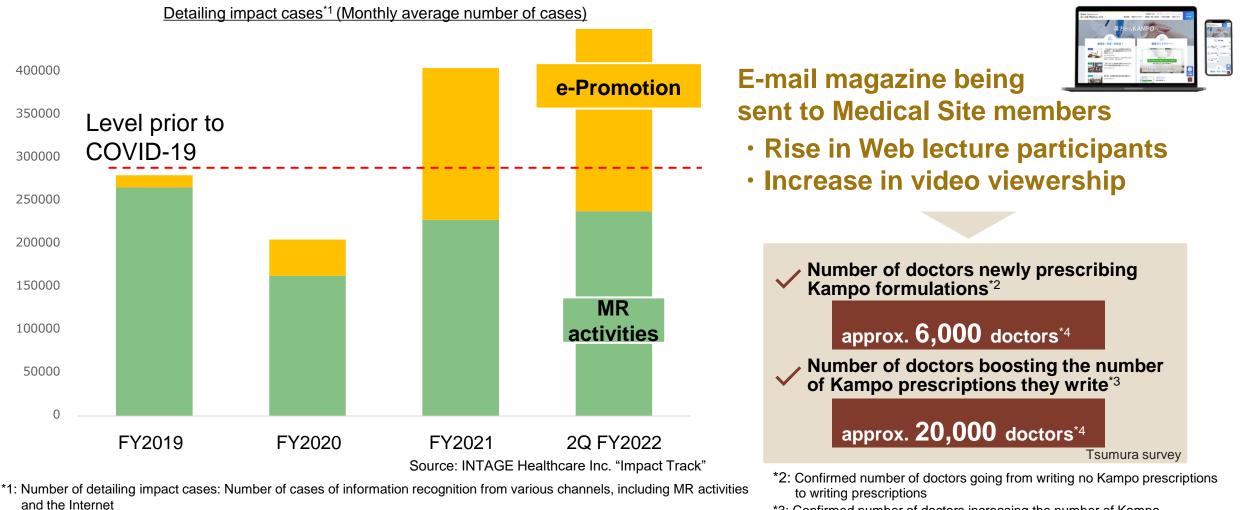






Results owing to Transformation in Information Provision Activities

Increase the number of doctors newly prescribing Kampo formulations and the number of doctors boosting the number of Kampo prescriptions they write by improving the recognition of Kampo information



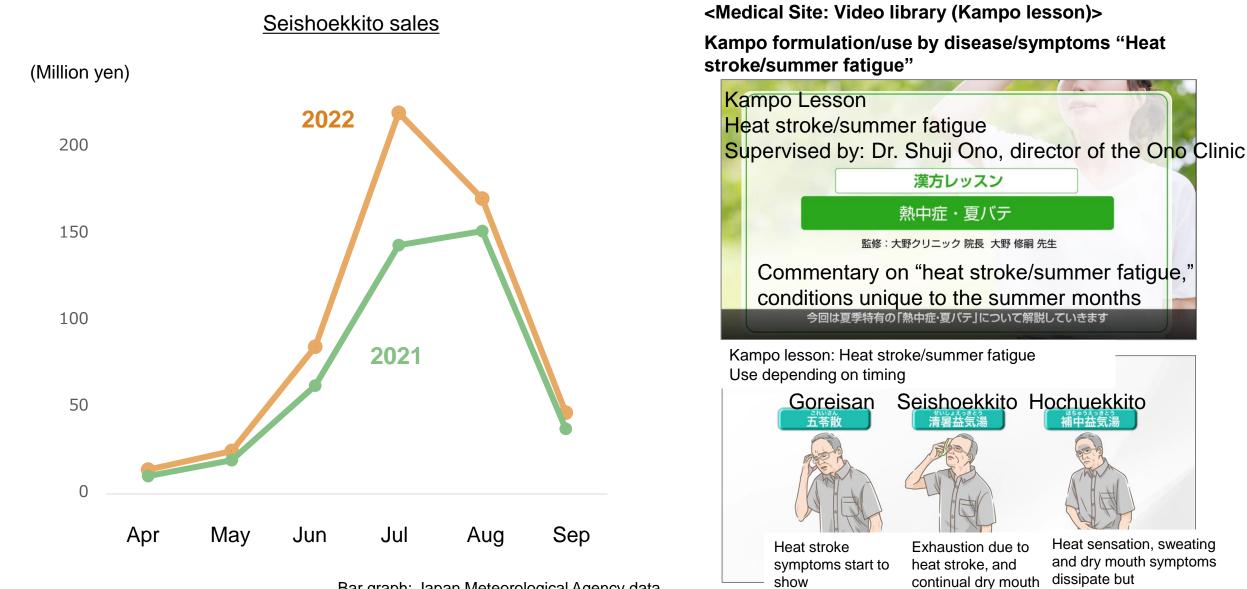
(MR activities: Detailing via MR, online interviews, in-hospital presentations, etc.; e-Promotions: Online information provision activities other than those via MR.)

*3: Confirmed number of doctors increasing the number of Kampo prescriptions they write

*4: Increase as of September 30, 2022 starting from April 1, 2022

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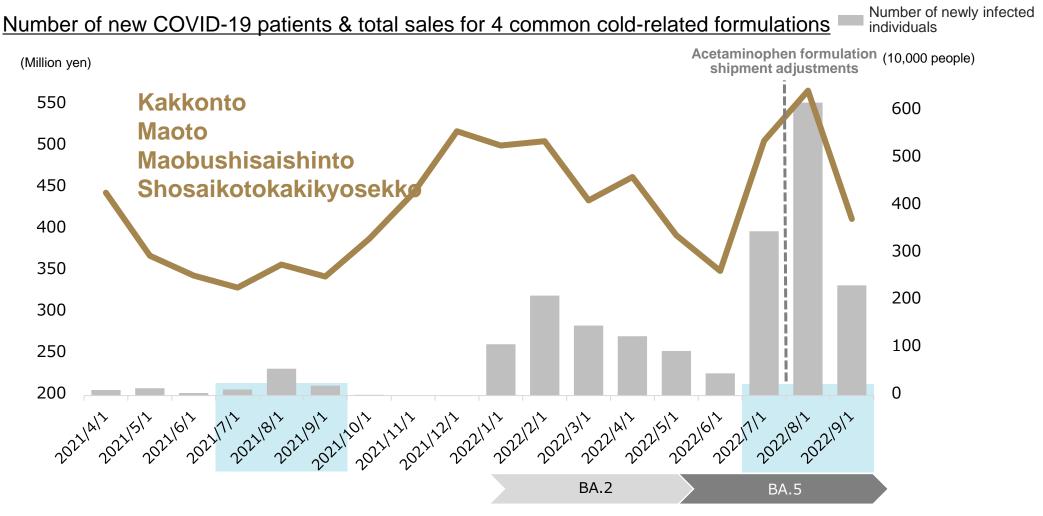
Bar graph: Japan Meteorological Agency data Line graph: Tsumura actual sales (invoice price) data

and sweat

COVID-19 Impact (1)



Growth in common cold-related formulation sales due to shipment adjustments for acetaminophen formulations

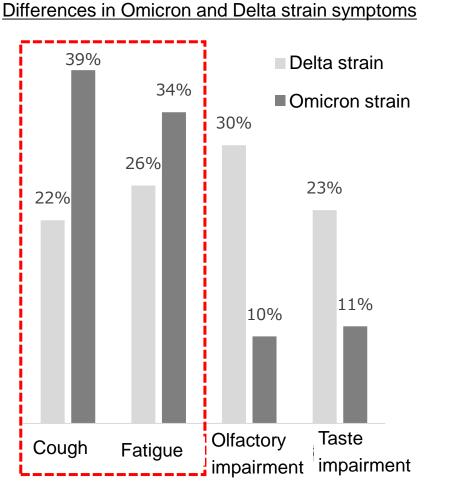


Bar graph: Ministry of Health, Labour and Welfare open data; Number of new individuals testing positive (by day) Line graph: Actual sales (Invoice price: Tsumura data)

COVID-19 Impact (2)

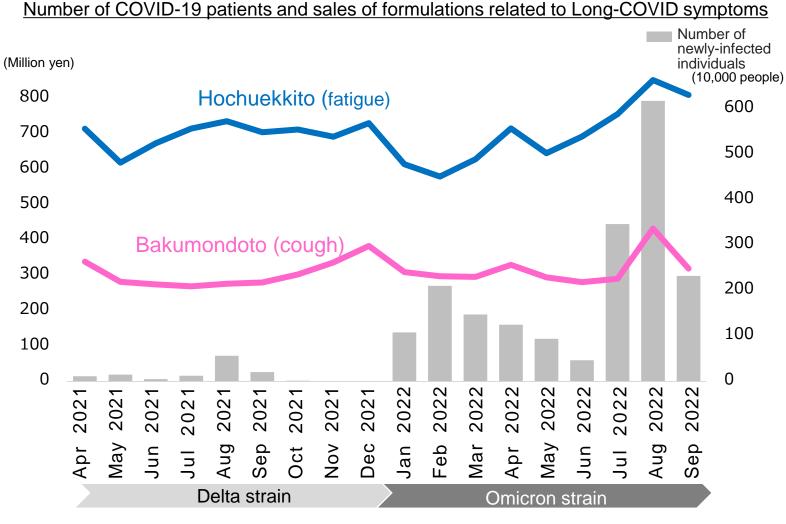


Growth in sales of formulations related to Long-COVID symptoms due to an increase in the number of people infected with the omicron strain



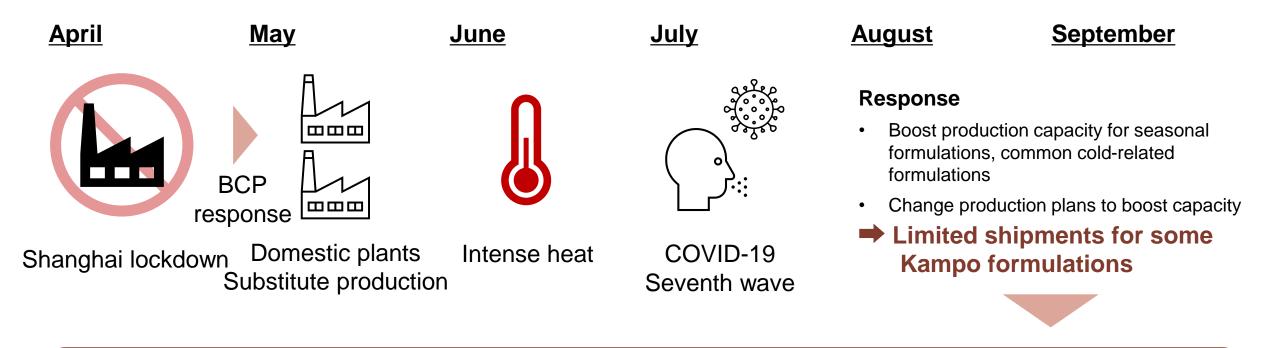
Tokyo iDC After-Effect Task Force

Based on analyzed data from consultations with the COVID After-effect consultation desk at Tokyo metropolitan and public hospitals



Bar graph: Ministry of Health, Labour and Welfare open data; Number of new individuals testing positive (by day) Line graph: Actual sales (Invoice price: Tsumura data)

Impact on Shipments of Intense Heat and COVID-19

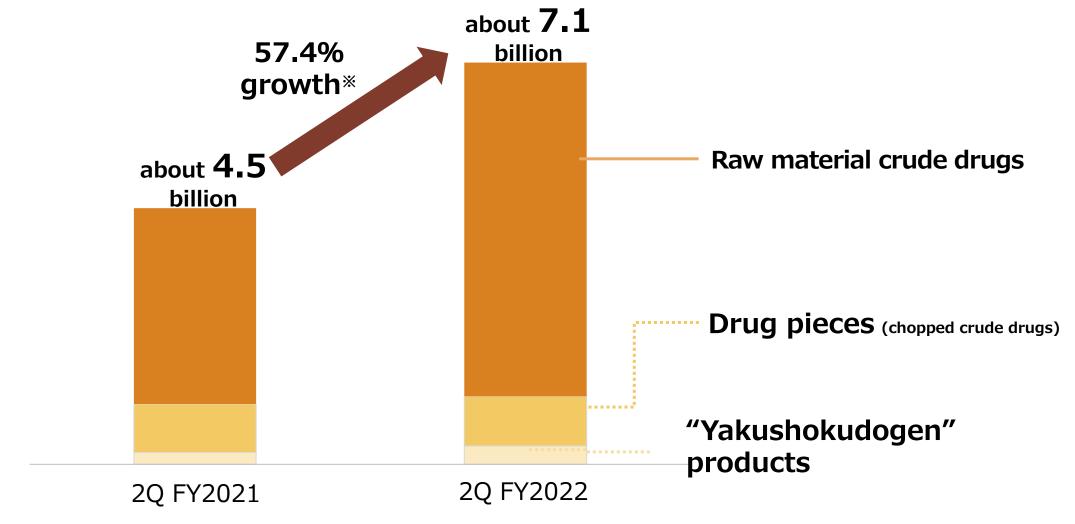


Forecast

- Ongoing demand for common cold-related Kampo formulations owing to increase in Long-COVID patients
- Increase in demand for common cold-related Kampo formulations owing to seasonal influenza trends and the re-expansion of COVID-19



Crude drug platform: Achieved the 1H plan owing to an expansion in raw material crude drug sales



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Second Quarter Business Results for FY 2022



Initiatives and Progress for Domestic Business and China Business



FY 2022 Earnings Forecast

FY 2022 Earnings Forecast

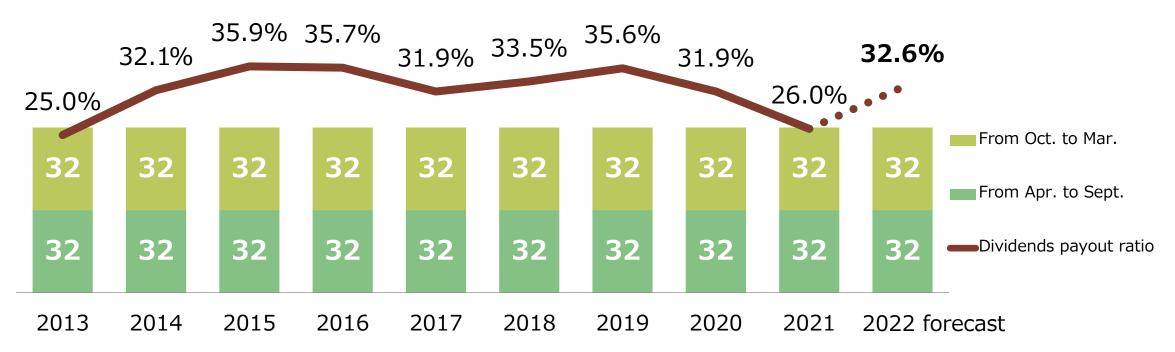
[Million yen]	FY 2021	FY 2022	Yc	YoY		
	Results	Forecast	Amount	Change		
Net sales	129,546	138,500	+8,953	+6.9%		
Domestic business	_	124,300	_	_		
China business	—	14,200	_	_		
Operating Profit	22,376	20,800	(1,576)	(7.0)%		
Domestic business	-	21,200	_	_		
China business	—	(400)	_	_		
Ordinary Profit	25,904	21,200	(4,704)	(18.2)%		
Profit attributable to owners of parent	18,836	15,000	(3,836)	(20.4)%		
Dividends (per share)	64 yen	64 yen	(Note) Foreign exchange impact (non-operating pr			
EPS	246.2 yen	196.1 yen				
ROE	8.2 %	6.0 %	trends in the foreign exchange market.			





Policy

We aim to improve our corporate value by continually expanding domestic business and through growth investments in the China business, and by building foundations. Accordingly, we plan to implement stable dividends, taking into account factors such as medium/long-term profit levels and cash flow conditions.



Note: The FY 2022 year-end dividend and payout ratio (forecast) are an estimate based on the assumption that the dividend resolution is approved at the 87th Ordinary General Meeting of Shareholders.



Second Quarter Business Results for Fiscal 2022 —R&D Direction and Recent Progress, etc.—

November 7, 2022

Executive Officer, Head of Kampo Research & Development Division / International Pharmaceutical Research & Development Division

Akihito Konda



[Geriatric Health]

- Conduct research related to frailty based on more detailed types, including from social, physical and mental aspects
- Conduct research pertaining to behavioral and psychological symptoms of dementia (BPSD), including mild cognitive impairment, and Stages I, II, III, etc.
- Implement the full-fledged building of evidence in the circulatory domain, including congestive heart failure and cardio-renal related diseases

[Cancer]

Conduct research related to support for cancer survivorship

(Provide employment support assistance from social, physical and mental viewpoints)

[Women's Health]

"Implement research that is close-knit with the life stages of women"

Agenda





Women's Health Initiatives at Tsumura (Origin of Founding) & Confirmation of Changes in the External Environment



"Further" Build Foundation for Standard Treatments Research Results Thus Far & Research Pipeline



Propose New Treatment Methods (Tackling Personalized Medicine) Tackle Presymptomatic Diseases

*Points to consider

This presentations contains a plethora of information related to matters such as pharmaceuticals. This information is not for the purpose of solicitation or advertising.

Tsumura has Been a Company that is Close-knit to Women's Health Since its Foundation





Jusha Tsumura (founder of Tsumura Juntendo, the predecessor to modern-day Tsumura) improved a drug for women's disorders that was passed down through the Fujimura family, his mother's family

Tsumura Juntendo launched the drug, Chujoto in 1893 in Nihonbashi, Tokyo

We aim to assist in preconception and conception care that is closeknit to the health of women throughout their lives!

*Preconception care: Women and couples face their lives and health while considering a future pregnancy

Transformation in the Promotion of Women's Activities



2015

•Act on the Promotion of Female Participation and Career Advancement in the Workplace established

2021

- •Act on Childcare Leave, Caregiver Leave, and Other Measures for the Welfare of Workers Caring for Children or Other Family Members
- •Infertility prevention and support package
- •Femtech nominated for the "new word & buzzword of the year award"
- •"Femtech promotion" included in the basic policy 2021

2022

- •Infertility treatment covered by insurance
- •Basic policy 2022 established
- •Declaration on the Promotion of Sexual and Reproductive Health and Rights: Japan Society of Obstetrics and Gynecology

Measures against population decline
Women's employment assistance policy
Femtech gains momentum

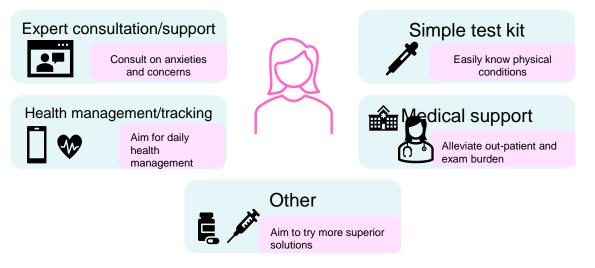
Work conditions for Japanese females

1990s: M-curve in the employment rate; rate drops for women in their late 20s and 30s and rises once again from those 40 and older

2000s: M-curve in the employment rate become gradual

In and after 2020: L-curve for the regular employment rate peaked for women in their late 20s; Declines after pregnancy **→** Need to improve the continued employment rate

Femtech market forecast to reach about JPY2 trillion/year by 2025



Source: Prepared by Tsumura, having modified https://www.femtech-projects.jp/ ("Femtech: Creating a new "matter of course" for a society where it is comfortable for women to work" (METI))

*Femtech = Female + Technology

Femtech is a coined word that combines "Female" and "Technology." Products and services that solve women's health issues with technology.

Agenda





Women's Health Initiatives at Tsumura (Origin of Founding) & Confirmation of Changes in the External Environment



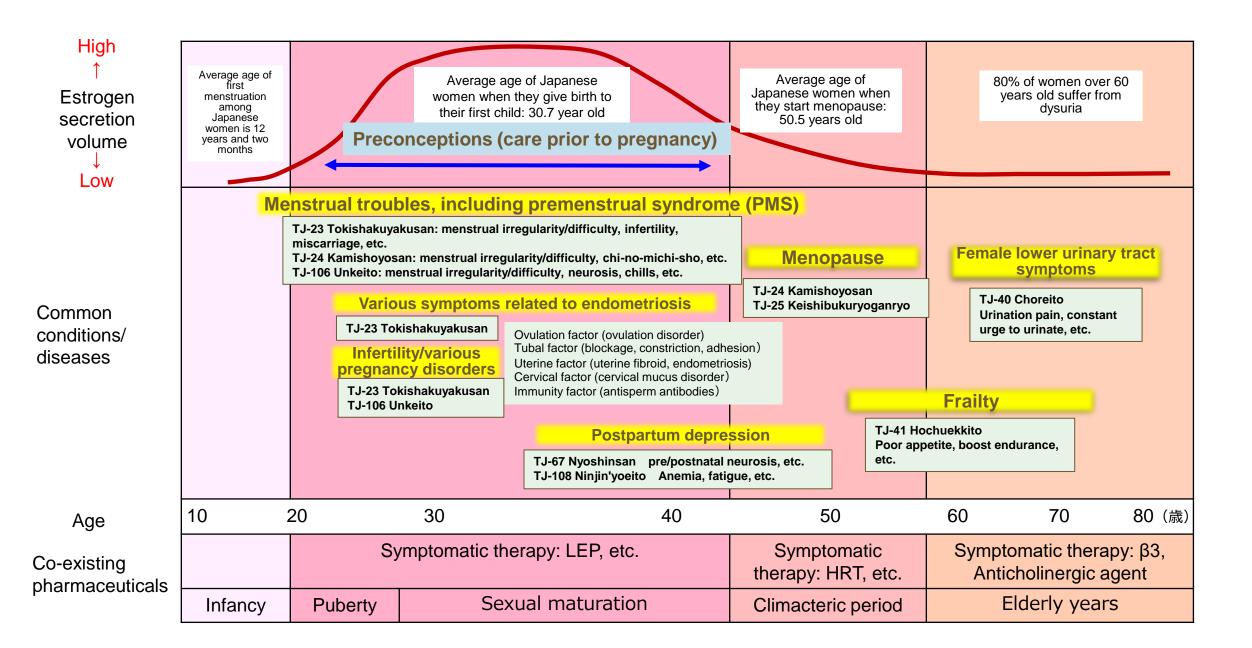
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"Benefit of Kampo medicine on birthrates among women with a history of recurrent pregnancy loss (including habitual abortion, etc.)

Goal: Examine efficacy of Kampo medicine for overall childbirth rate among patients with a history of recurrent pregnancy loss (habitual abortion)

Target: Extract women diagnosed with recurrent pregnancy loss from January 2005 to August 2018 (5,517 women)

Analysis of childbirth rate after 2 years, after 4 years (Kampo usage rate: 29.9%; percentage using Tokishakuyakusan: 60%, other Kampo 40%)

	Kampo medicine (1,651)	Non-Kampo medicine (3,302)
Childbirth rate after 2 years	15.7 %	11.2 %
Childbirth rate after 4 years	22.6 %	17.8 %

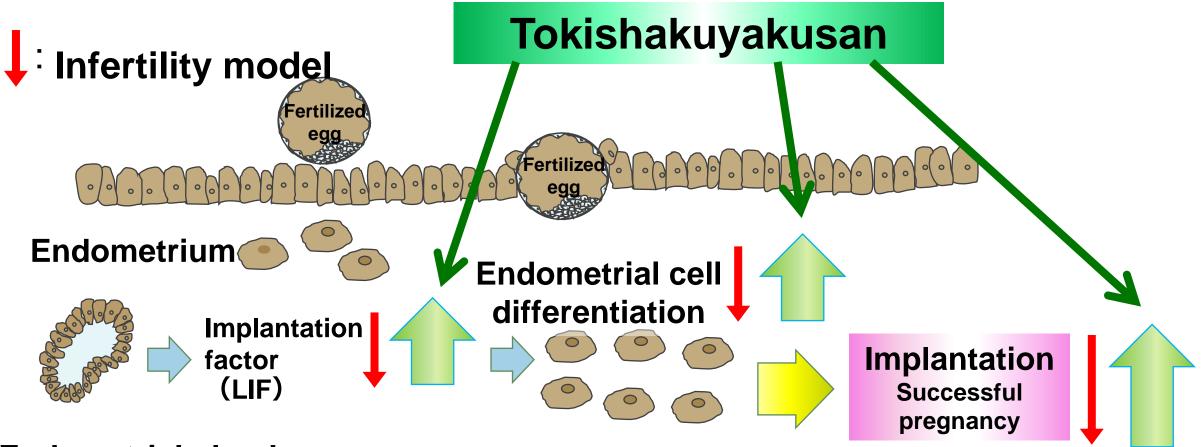
Childbirth rate comparison during tracking period: P = 0.0003

log-rank test

Reviews of medical big data have indicated that Kampo formulations, including Tokishakuyakusan, possibly contribute to an improvement in birthrates among women with a history of recurrent pregnancy

How Tokishakuyakusan works for the rat infertility model

1. Adhesion 2. Infiltration 3. Endometrial cell differentiation



Endometrial gland

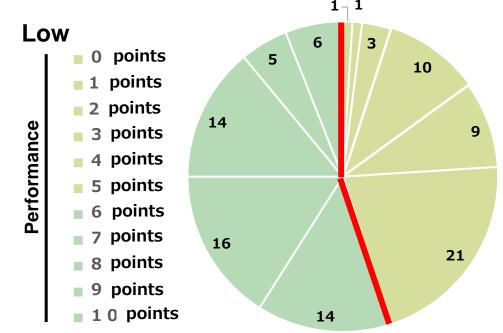
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Pregnancy

Changes in the Performance of Working Females and Related Labor Loss

In comparison with healthy conditions, work performance for around half of females drops to below 50% due to premenstrual syndrome or catamenial symptoms

Performance ratio for less than half of working females is 45%



High

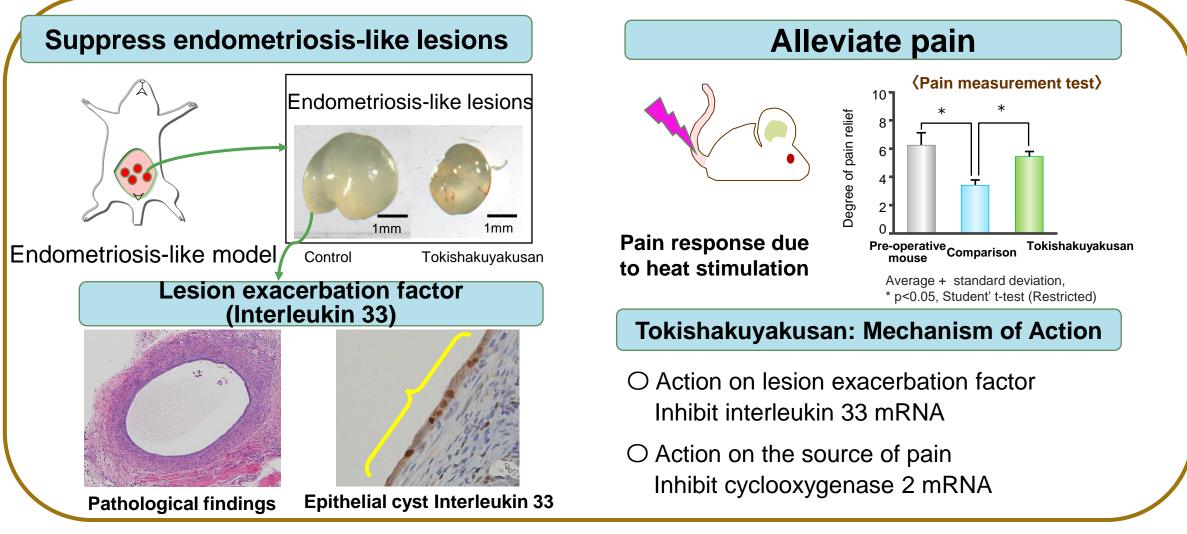
Assuming the score for working in a healthy condition is 10 points, self-assessment when experiencing premenstrual syndrome or catamenial symptoms (n=2000)

Source: Figures modified by Tsumura based on data from Survey on Health Promotion and Working Women 2018, Health and Global Policy Institute (HGPI)

https://hgpi.org/wp-content/uploads/1b0a5e05061baa3441756a25b2a4786c.pdf (revised)

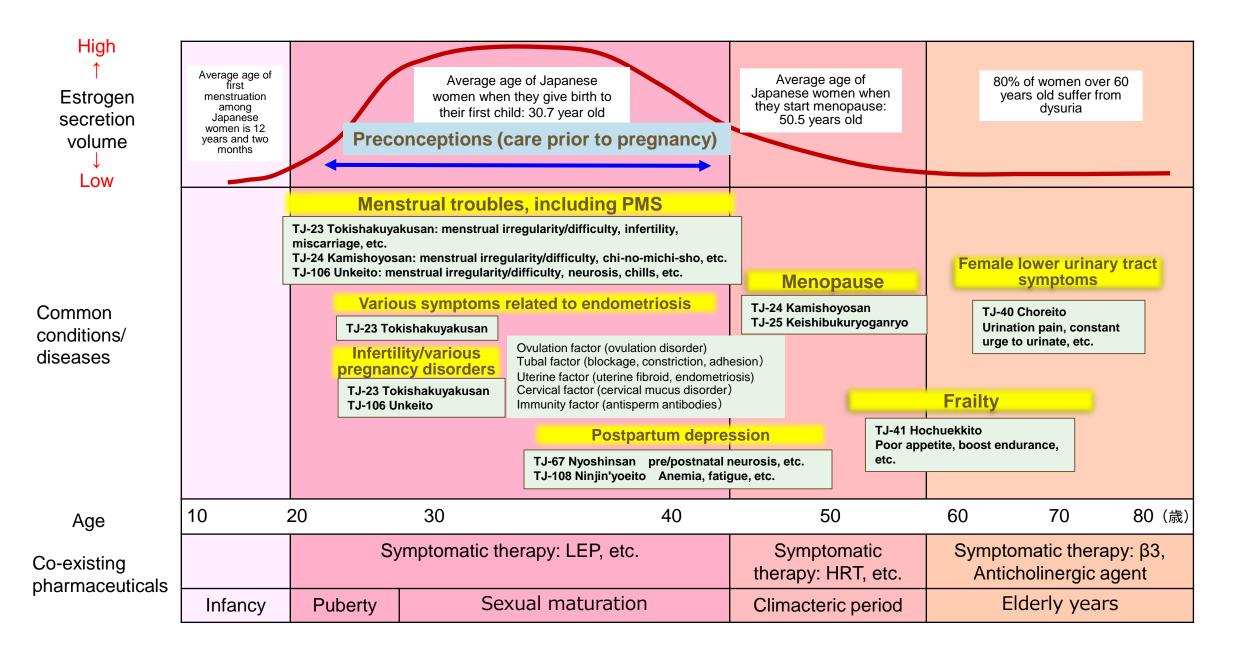
Expand Standard Kampo Treatments (Build Evidence: Publish)

Efficacy of Tokishakuyakusan on lesions and pain in the endometriosis-like model *In 2018-2019, number of downloads is in the top 10% of papers selected



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Agenda





Women's Health Initiatives at Tsumura (Origin of Founding) & Confirmation of Changes in the External Environment



"Further" Build Foundation for Standard Treatments Research Results Thus Far & Research Pipeline



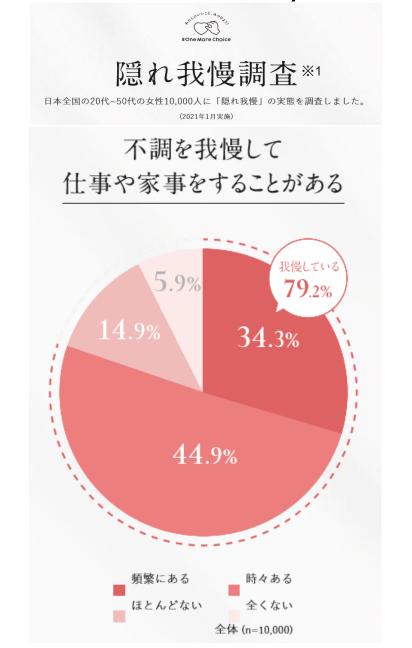
Propose New Treatment Methods (Tackling Personalized Medicine) Tackle Presymptomatic Diseases

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Research for a Kampo Diagnosis Support System (Focus on Women's Health)





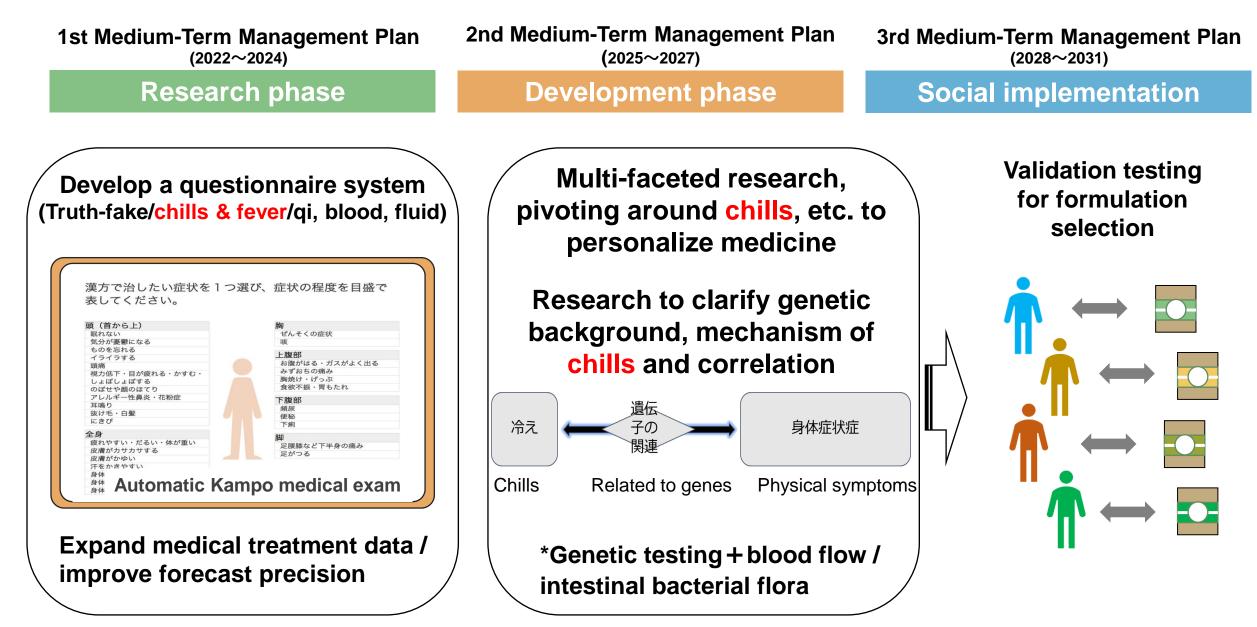
Top 10 commonly experience

disorders (Multiple choice)

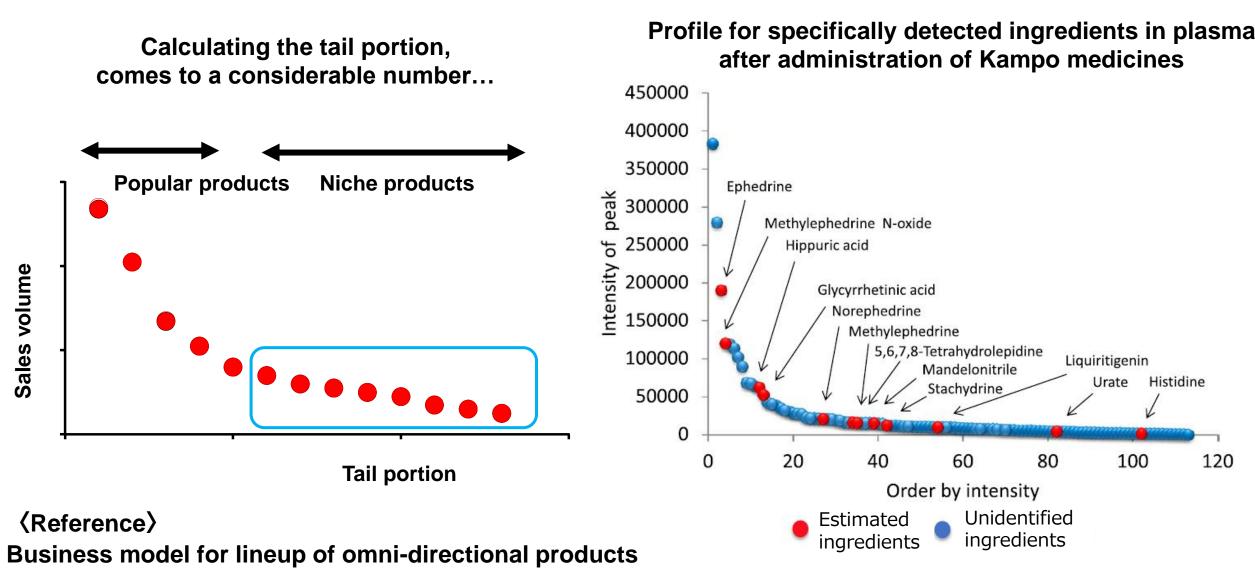
	Overall (n=1,0	00)					
1st	Fatigue/sluggishness						
2nd	Chill			48.6			
3rd	Frustration			46.4			
4th	Damaged skin (acne, eczema, etc.), blemishes						
5th	Headaches						
6th	h Anxiety						
7th	PMS ^{%2}			39.1			
8th	Lower back pain			37.9			
9th	Difficulty falling asleep, wake u	ıp feeling p	boorly,	37.9			
10th abdo	light sleeper, insomnia Menstrual cramps, irregular m ominal pains pre/post menstruati *1: Fact-finding survey on concealing pain implemented by Tsumura) https://www.tsumura.co.jp/newsroom/topics/202 *2: Poor physical condition due to menstru headache, etc.)	ON (March 3, 202 21/03031750.html	21,	37.6			

Direction in R&D of Kampo Diagnosis Support System (Women's Health Examples)



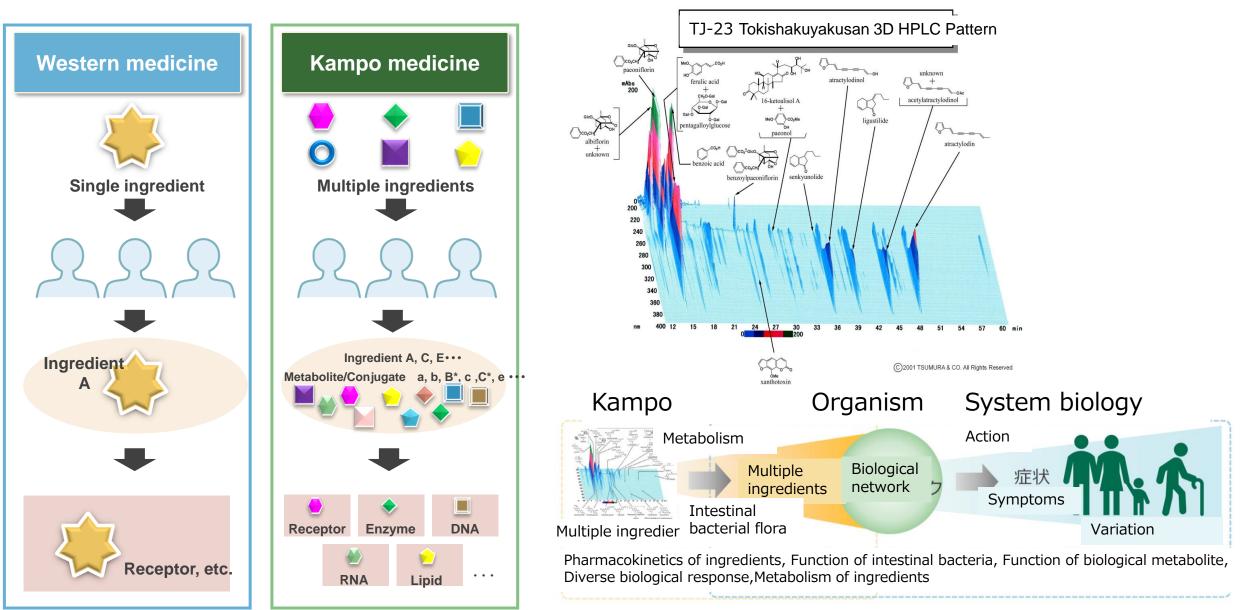






Prepared by Tsumura based on NPJ Syst Biol Appl. 2017, 3, 32 data

"A Chill Can Lead to All Kinds of Diseases": Treating a Chill as a "Presymptomatic Disease," Pursue Clues to a Solution in KAMPOmics



KAMPOmics[®]

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Investor Relations Group

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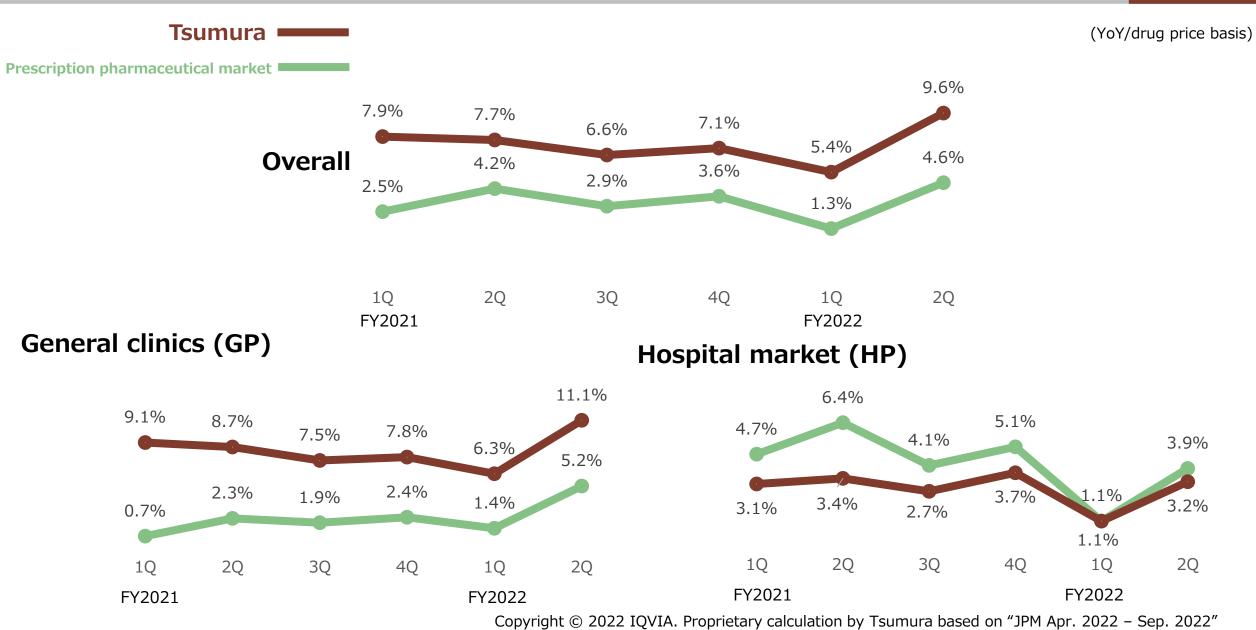
Cautionary items regarding forecasts

- The materials and information provided in this presentation contain so-called forward-looking statements. Readers should be aware that the realization of these statements can be affected by a variety of risks and uncertainties and that actual results could differ significantly.
- Changes in Japan or other foreign countries related to healthcare insurance systems or regulations set by medical treatment authorities on drug prices or other aspects of healthcare or in interest and foreign exchange rates could negatively impact the Company's performance or financial position.
- In the unlikely event that sales of the Company's core products currently on the market be halted or should sales substantially decline due to a defect, unforeseen side effect or some other factor, there could be a major impact on the Company's performance or financial position.



Appendix

Comparison with the Prescription Pharmaceutical Market



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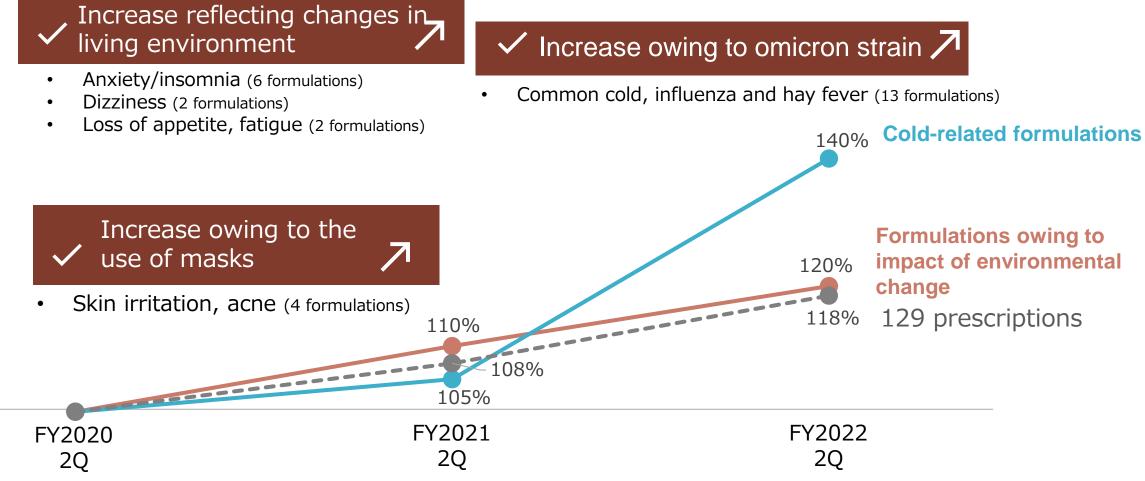
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COVID-19 impact



(shipment volume basis : growth rate)



Number of Doctors that Write 10 or More Kampo Prescriptions



The number of doctors that write 10 or more Kampo prescriptions increased around 10,000 doctors, a ratio of 29%

Number of doctors that write 10 or more Kampo prescriptions Clinicians: 320,000 50% **Rise of** approx. approx. 94,000 approx. 84,000 10.000 doctors 50% doctors doctors -plus 29% 26% *Tsumura survey End-FY202 2Q FY2022 End-FY2024 First medium-term management plan