

Otsuka Holdings Co Ltd

The 3rd Medium-Term Management Plan FY 2019 - 2023

Tatsuo Higuchi
President and Representative Director, CEO
Otsuka Holdings Co., Ltd.

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Agenda



- Value Creation Model and Goals
- Position and Performance Targets
- Growth Strategies
 - Pharmaceutical Business
 - Nutraceutical* Business
 - Financial Policy

Essence of Management

- Basis of Our Value Creation Model

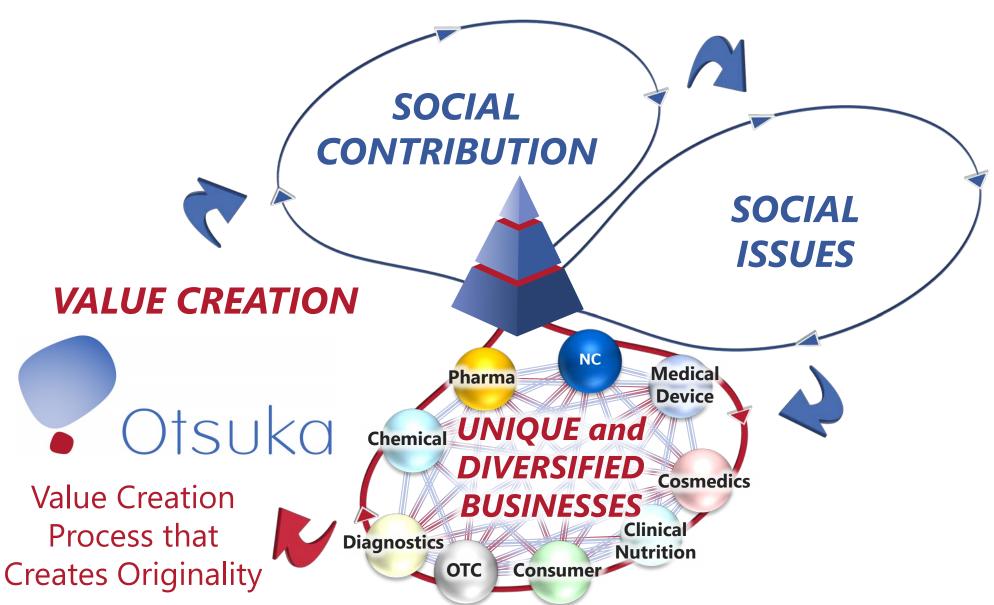


Otsuka-people creating new products for better health worldwide



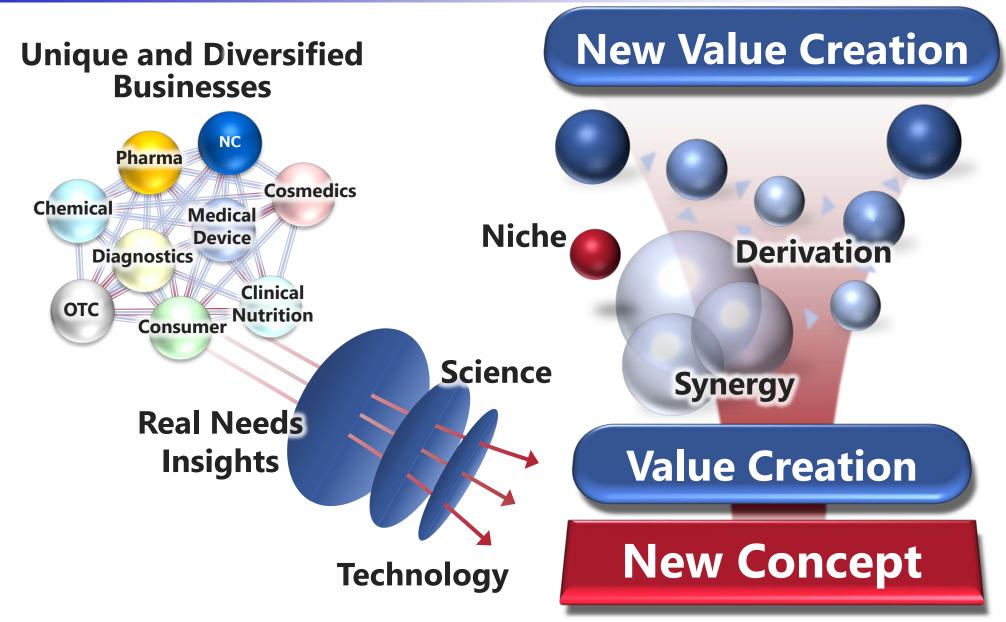
Unique Value Creation Model





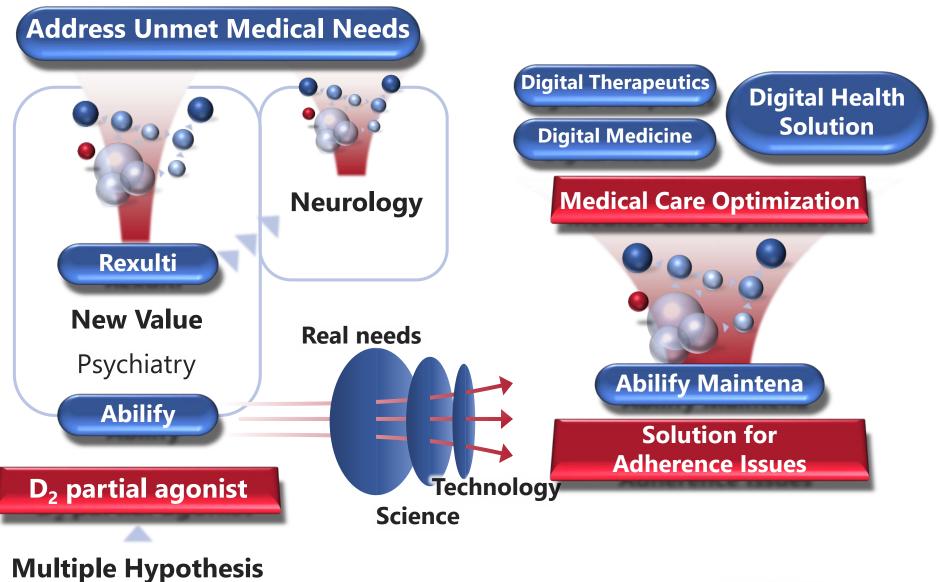
Value Creation Process that Creates Originality





Value Creation Process in Psychiatry & Neurology







To become an indispensable contributor to people's health worldwide

Total Healthcare

Unmet medical needs

Pharmaceutical Business

Yet-to-be-imagined needs

Nutraceutical

Business



Position and Performance Targets

Position of the 3rd MTM Plan



Advance in the Global Market as a Unique Total Healthcare Company ~ Five-Year Growth Phase ~

- Existing Business Value Maximization and New Value Creation
- Business management with a corporatewide awareness of capital costs

Outline of the 3rd MTM Plan



- Performance Target: Business Profit CAGR of 10% or more
 - ✓ By organic growth of mainstay products and brands on Pharmaceutical and NC business
 - ✓ Implement aggressive R&D investments and continue development of new drugs that drive revenue growth on and beyond next MTM
- Business Strategy: Existing business value maximization and new value creation
 - 1. Strategic initiatives for mainstay products and brands accelerate growth
 - ✓ Strengthen strategic initiatives on growth drivers:
 - 4 Global Products of the Pharmaceutical business
 - 3 Major Products & 3 Nurture Products of the NC business
 - 2. Nurture next generation businesses and products
 - ✓ Launch and nurture new drivers for sustainable growth on Pharmaceutical and NC business
- Financial Policy: Business management with a corporatewide awareness of capital costs
 - ✓ Balancing investments for future growth and shareholders return
 - ✓ Securing funds for investments for growth and shareholders return

Key Performance Targets



- Business profits: CAGR 10% or more
- Revenue and Business profits before R&D expenses: Surpass historic highs
- R&D expenses: Continue aggressive investments for sustainable growth

(¥billion)	2018A	2021E	2023E	CAGR 2018A-2023E
Revenue	1,292.0	1,500.0	1,700.0	5.6 %
Business profit before R&D expenses	313.8	390.0	460.0	7.9 %
Ratio/Revenue	24.3 %	26.0 %	27.1 %	
R&D expenses	192.9	230.0	260.0	6.1 %
Business profit	120.9	160.0	200.0	10.6 %
Ratio/Revenue	9.4 %	10.7 %	11.8 %	
ROE	4.7 %	≧6.0 %	≧8.0 %	

Note: Exchange rate assumptions ¥110/\$, ¥130/euro

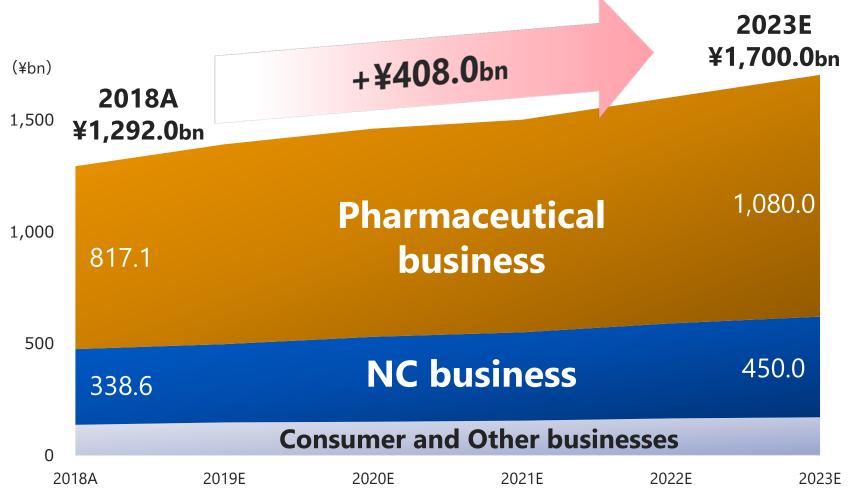
Not including performance growth by strategic investments (M&A etc)

Business profit = Revenue — COGS— SG&A + Share of profit of associates — R&D expenses

Revenue Plan by Organic Growth



■ Revenue forecast ¥1,700bn in 2023, ¥408.0bn increase from 2018, by organic growth of pharmaceutical business and NC business

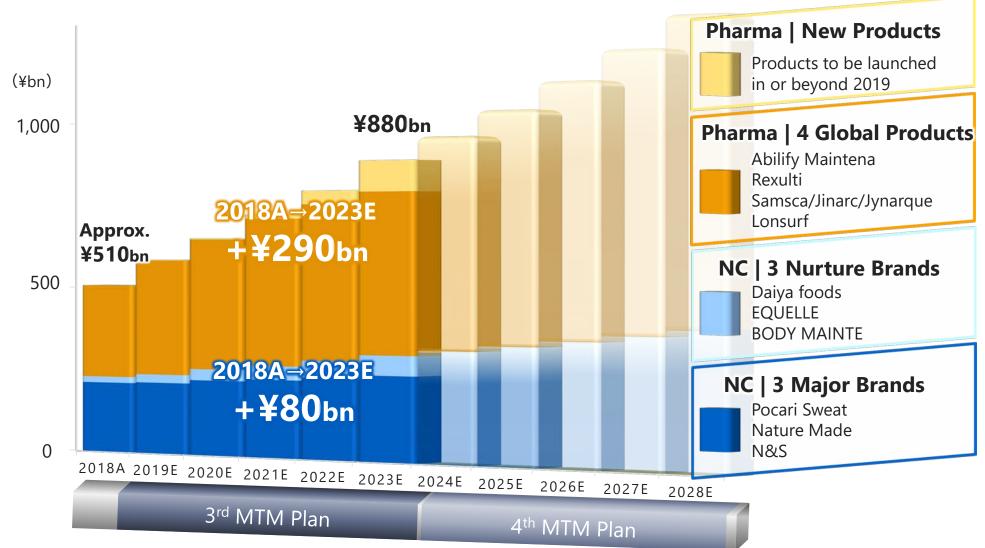


^{*} Revenue from external customers

Growth Drivers' Revenue Forecast



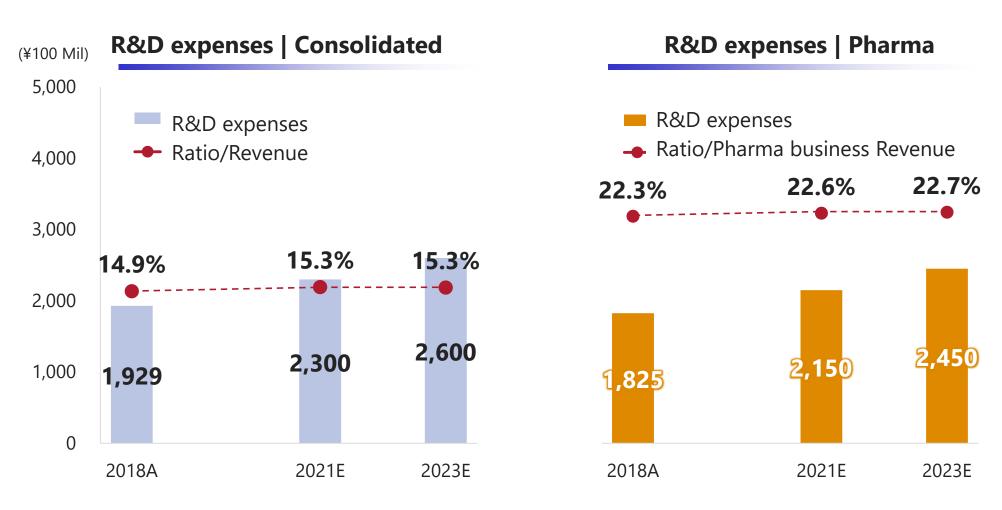
- Home-grown products and brands to drive growth of Pharma and NC businesses
- Growth drivers account for 90% of ¥408.0bn revenue increase



Aggressive R&D Investments Support New Value Creation



- Aggressive R&D investments support Otsuka's original business model in the two core businesses of pharma and NC
- Pharma business: maintain high level of R&D investments





Pharmaceutical Business

Growth Strategy | Pharmaceutical Business



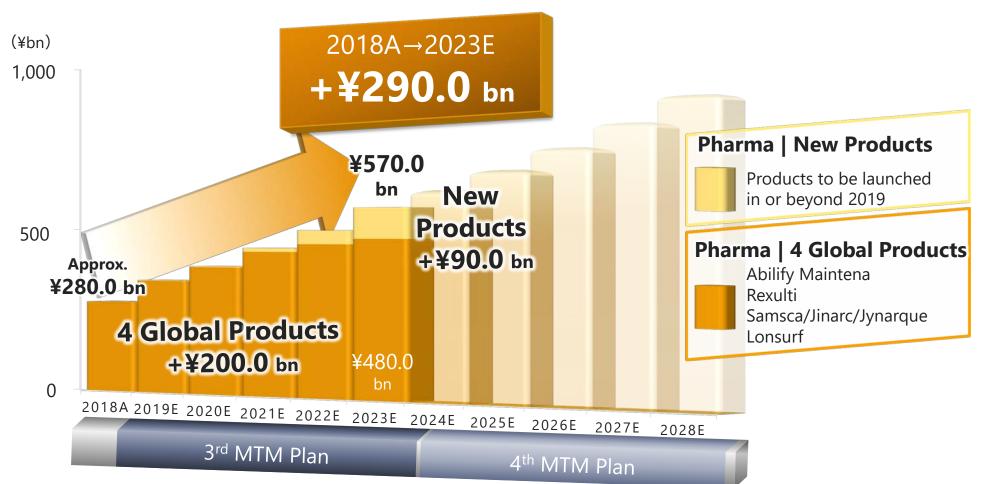
Existing Business Value Maximizationand New Value Creation

- Maximize Values of Existing Businesses
- Challenge New Frontiers that "Only Otsuka Can Do"
- Generate Innovation From Creative and Diverse Research Platforms

Growth Drivers' Revenue Forecast



- Aim to maximize value of 4 Global Products
- Challenge to launch New Products that drive sustainable growth during and beyond the 4th MTM plan period



Strategy on Psychiatry & Neurology



Address unmet medical needs and medical care optimization

Address Unmet Medical Care Medical Needs Optimization Digital Health **Psychiatry** Neurology Digital Therapeutics Solution centanafadine fremanezumab To improve adherence Selincro **NUEDEXTA Digital Medicine** Abilify MyCite AVP-786 Long-acting Rexulti Rexulti LAI Injectable Abilify **Abilify Maintena** 2 month LAI

*LAI | long acting injectable

Franchise

Address Unmet Medical Needs and Maximize Product Value



- AD patients population increases with advancement of aging society
- BPSD including agitation is one of the big social issues for patients, caregivers and healthcare providers
- Challenge to solve this issue with Rexulti and AVP-786, which have different MOAs

AD agitation patients in the US in 2027 (estimate)¹⁾

3.31 million | AD diagnosed patients

2.50 million | AD agitation diagnosed patients

1% ≈ \$150~200 Million²⁾

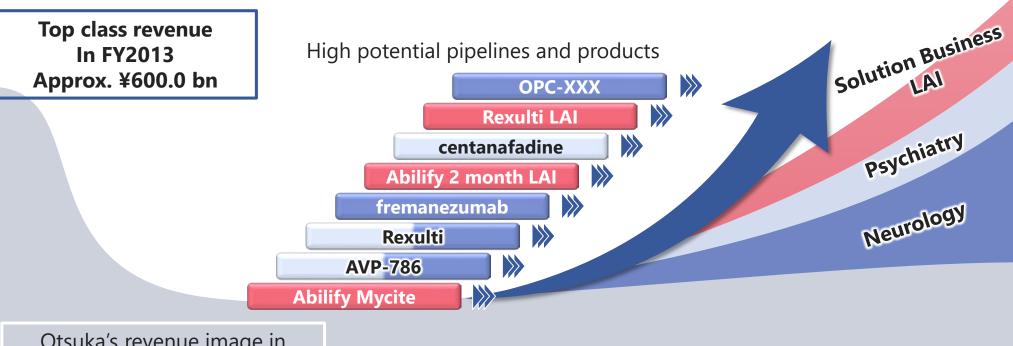
¹⁾ ©[2018 Alzheimer's Disease Epidemiology - Mature Markets Data] DR/Decision Resources, LLC. All rights reserved. Reproduction, distribution, transmission or publication is prohibited. Reprinted with permission ²⁾ Annual estimate for illustrative purposes

Psychiatry & Neurology | Aim at the World Top Class Revenue



 Top player in Psychiatry & Neurology area, with high potential pipeline and product portfolio

Become the top class in Psychiatry & Neurology area



Otsuka's revenue image in psychiatry and neurology area

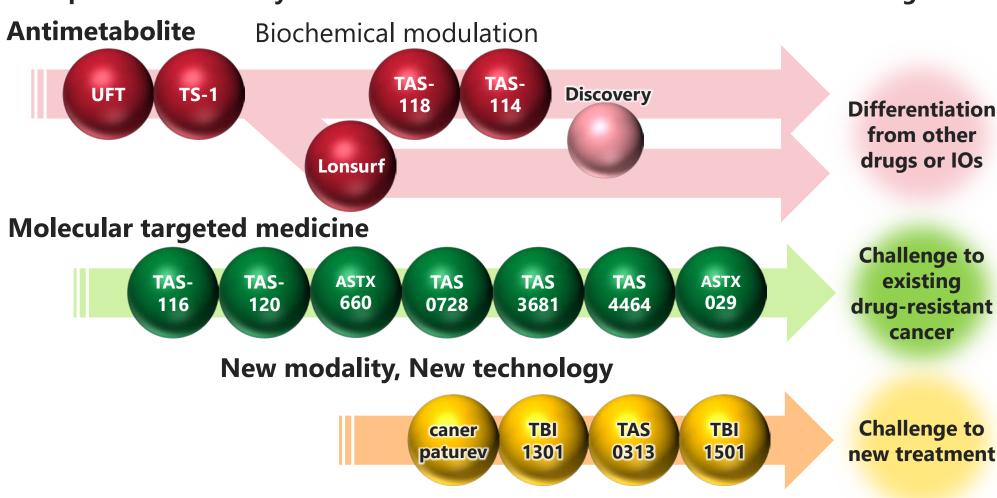
2nd MTM Plan 3rd MTM Plan 4th MTM Plan

FY2014 FY2019 FY2024

Strategy on Oncology | Small Molecule based R&D Platform



- Maximize values by combination with drugs of different MOA
- Challenge to refractory cancers and difficult drug discovery with small molecule based drug discovery
- Explore new modality and realize continuous creation of innovative new drugs



Strategy on Oncology | Structure for Value Maximization



Aim to maximize the oncology business value by leveraging strengths of group companies' assets





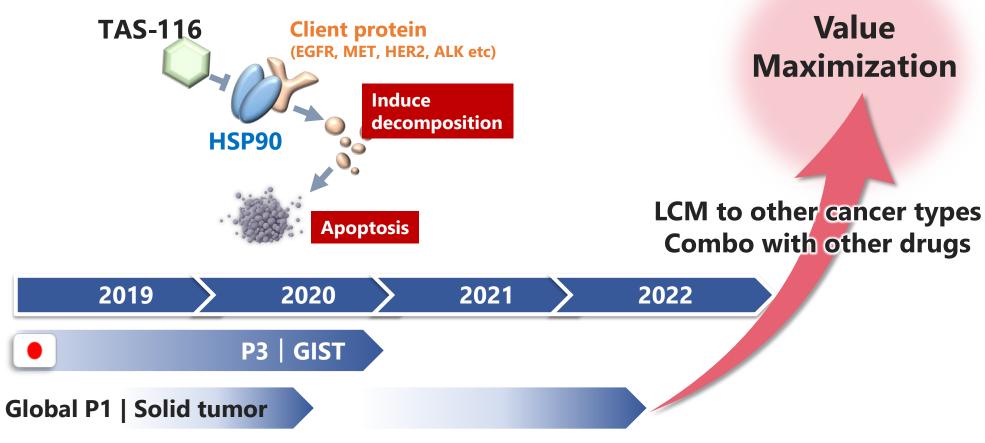




TAS-116 | Challenge to "First-in-Class"



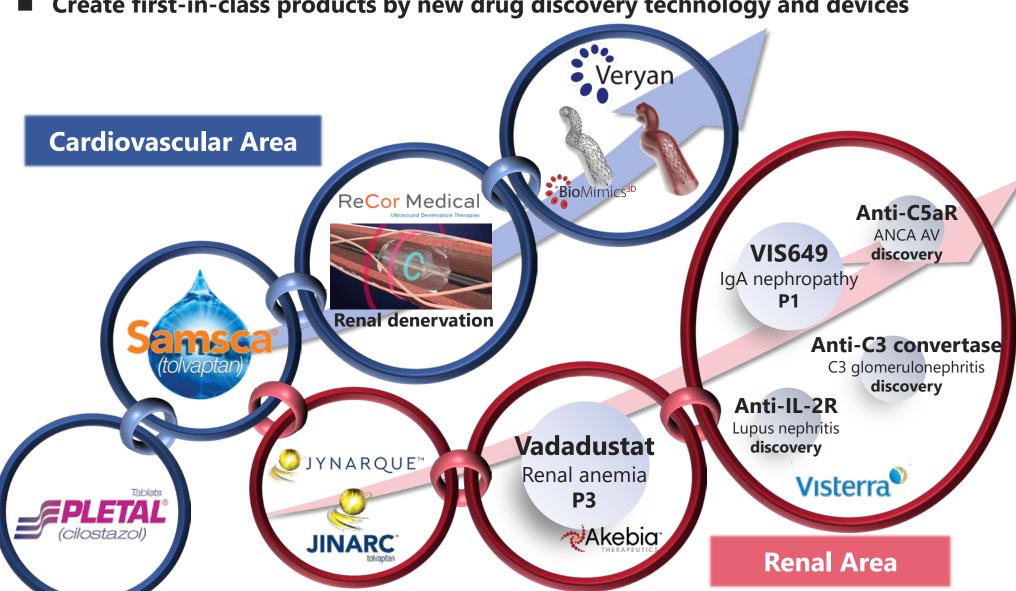
- TAS-116, an oral HSP90* inhibitor created by our tenacious R&D efforts
- HSP90 attracted attention as a target, but no drugs available in the market



Strategy on Cardiovascular & Renal System



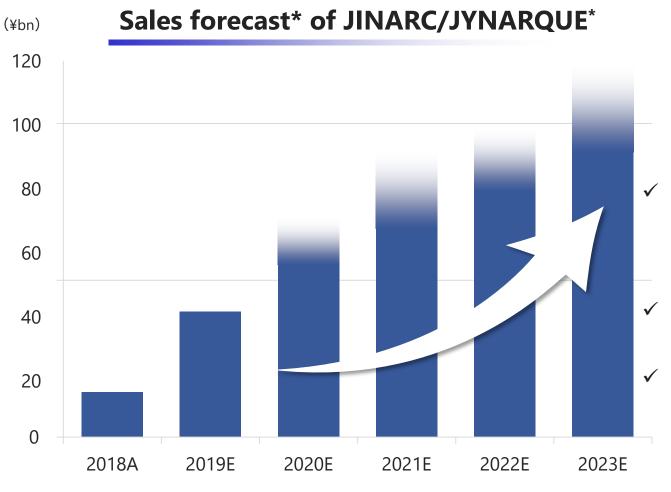
Create first-in-class products by new drug discovery technology and devices



Further Contribution to ADPKD Treatment and Product Value Maximization



 Implementing multiple initiatives to maximize product value by improving diagnosis and treatment of ADPKD



Enhancement of disease awareness and proper use of JINARC/JYNARQUE

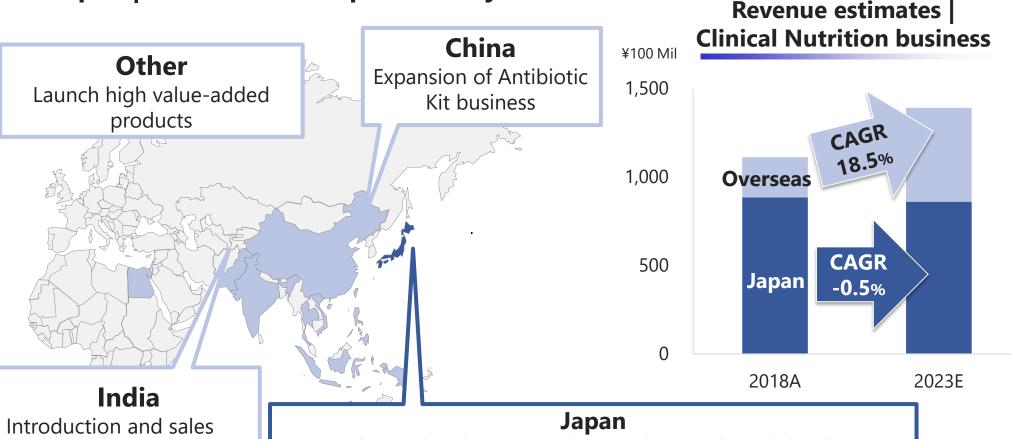
- Promote better understanding of clinical conditions and diagnosis of rapidly progressive ADPKD
- Promote efficacy and safety of JINARC/JYNARQUE
- ✓ Support REMS and product access

^{*} North America, Europe, and Asia, except Japan

Strategy on Clinical Nutrition | Global Operation of High Value-added Products



- Overseas | Launch high value-added products and implement TNM*
- Japan | Maintain stable profitability



nutrition products

expansion of enteral

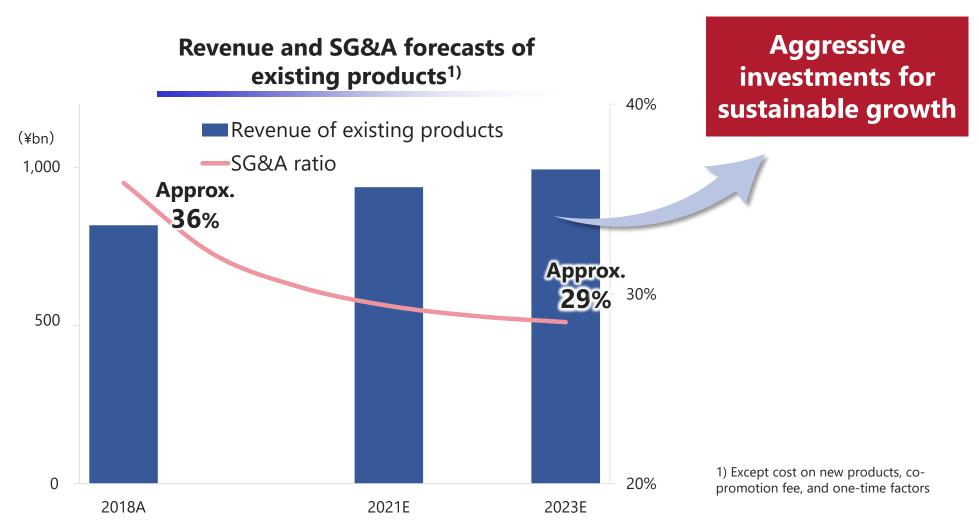
 Upgrade product by preempting market needs and develop new technology

• Secure cost-competitiveness with streamlined production system

Existing Product Value Maximization Enables New Investments



 Profits gained through value maximization of global products in the 2nd MTM plan enables active investments for sustainable growth



Transformable Innovation Platform



■ Create innovation by combining existing drug discovery platform and world's cutting-edge technology: activities to show Commitment, Actualization, and

Creativity



<Astex technology>

- Kisqali® (Novartis)
- BALVERSATM (J&J)

Fragment-based drug discovery Protein crystallography

Antibody design platform

Visterra

<Visterra pipeline>

- VIS410 (P2)
- VIS649 (P1)

Phenotype drug discovery R&D platform of CNS and CV & Renal system

Original
R&D platform of
Oncology



Otsuka Pharmaceutical Co., Ltd.





Nutraceutical Business

Growth Strategy | Nutraceutical Business



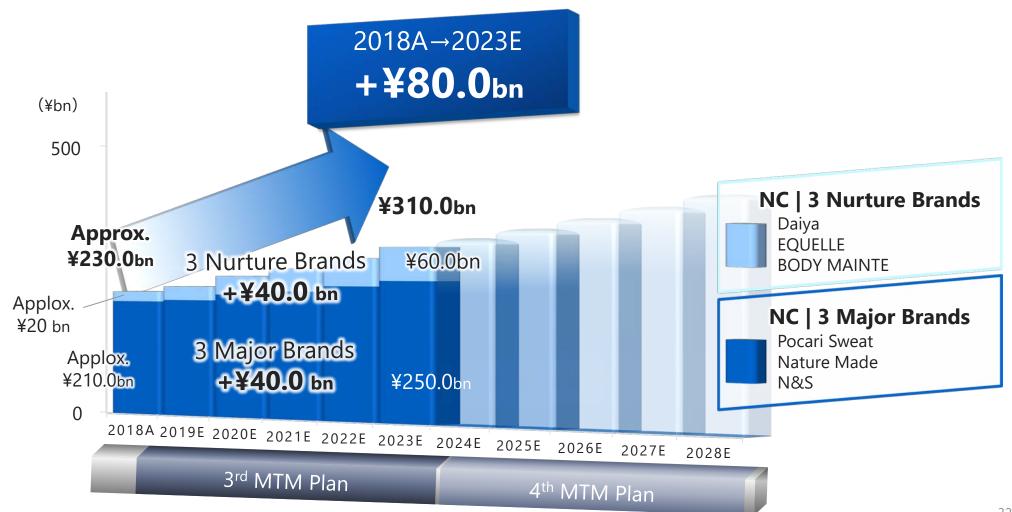
Existing Business Value Maximizationand New Value Creation

- Create New Concepts Keeping an Eye on Changes in the Environments
- Challenge to New Categories and New Areas
- **■** Continuous High Profit Structure

Growth Drivers' Revenue Forecast



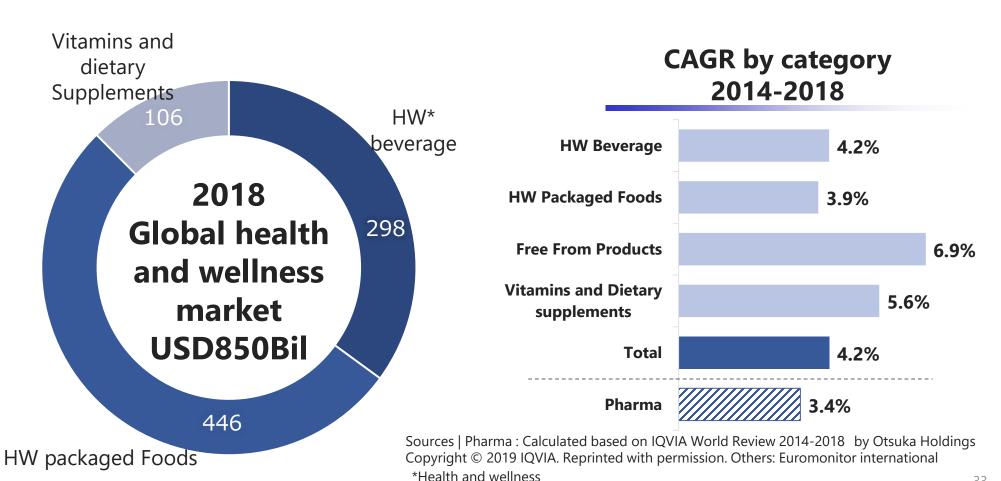
- 3 Major Brands | Challenge to new category and new area to be "100 billion-yen-brands"
- 3 Nurture Brands | Construct business platforms to be main brands in the future



Target: Attractive High Growth Markets



- Global health related market: USD850Bil, CAGR(2014-2018) 4.2%
- Same growth rate as global pharmaceutical market
- Rising health consciousness accelerates the market growth

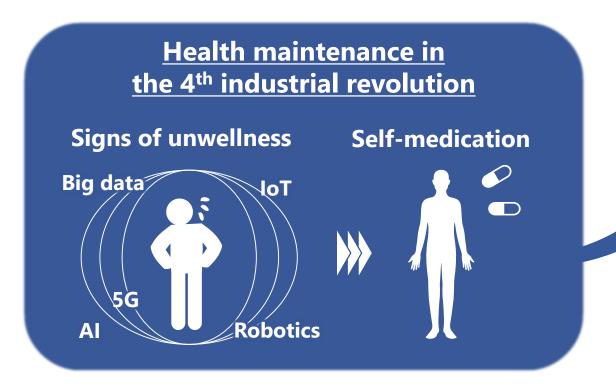


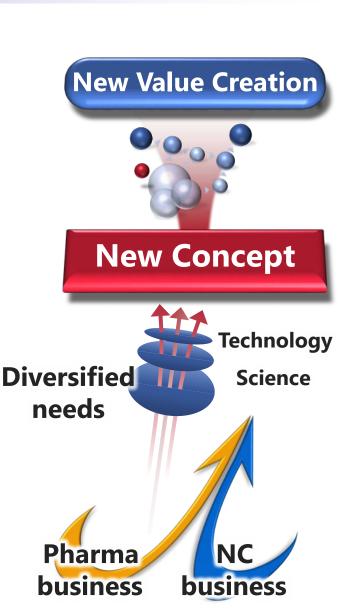
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New Concept on the 4th Industrial Revolution



- Needs for health maintenance are diversifying with advance of science and technology
- Create new concepts combining diversified needs with Otsuka's unique business model





Accelerate Global Expansion



■ Accelerate global expansion and build a foundation for 3 Major Brands to be "100 billion-yen-brands" and for 3 Nurture Brands to be future main brands

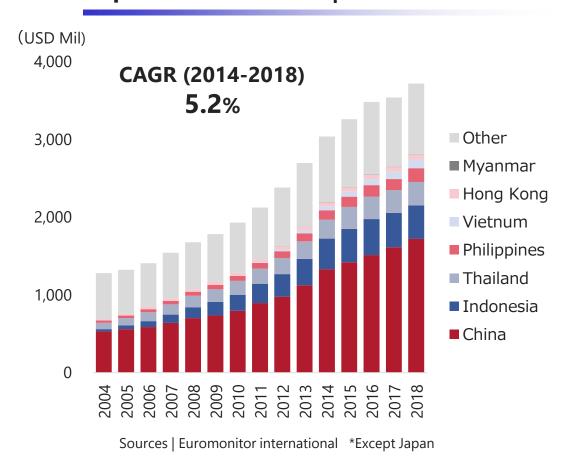


Challenge to "100 billion-yen-Brand" | Pocari Sweat

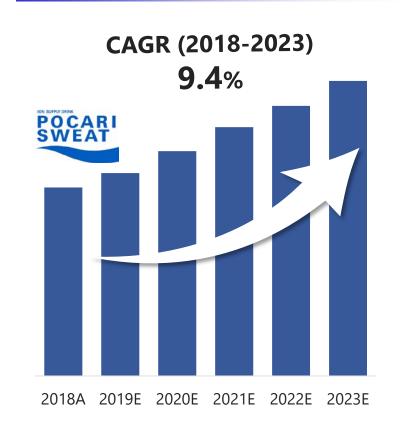


- Focus on promoting importance of hydration in growing markets mainly in Asia where people's health consciousness is rising
- Develop growth base by business expansion to new categories for sustainable growth

Sports drink market | Asia-Pacific*



Sales of Pocari Sweat | Overseas

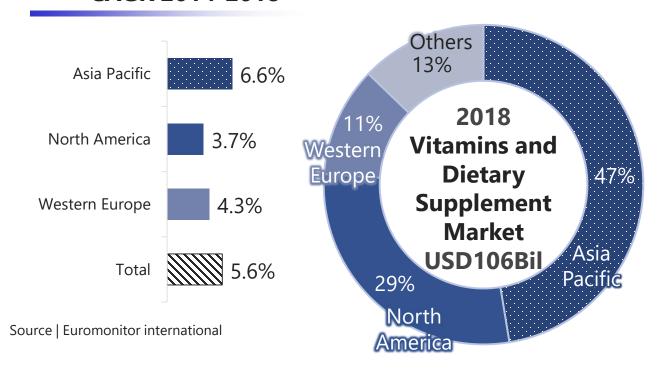


Challenge to "100 billion-yen-Brand" and New Categories | Nutritional Supplement



- Nature Made | Challenge to new categories to be "100 billion-yen-brand"
- EQUELLE | Challenge to create new category and new market in North America
- New operation in highly growing Asia-Pacific areas

Nutritional supplement market CAGR 2014-2018



Challenge to new categories North America

Personalized nutrition



Create new category and new market

EQUELLE

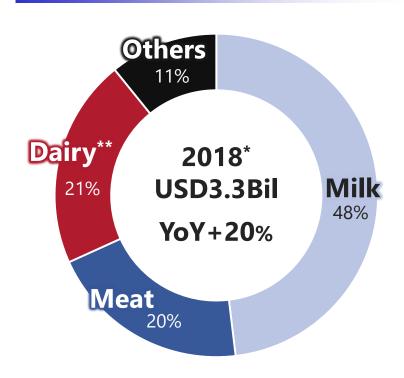


Category Leader of Plant-based Foods in North America: Daiya Foods



 Address health issues of health conscious consumers with aggressive marketing in highly growing plant-based alternatives market

US plant-based alternatives market



Revenue forecasts | Daiya Foods



^{*}Sources | PBFA-commissioned data from Nielsen (52 weeks dollar sales ending June 2018)
**Ice cream, Yogurt, Cheese, Creamer, Butter, Dressing

Revenue Forecasts by Category



■ Each categories' revenue grows at same pace as or faster pace than market, mainly with 3 Major Products and 3 Nurture Products

Nutritional Supplement

Nature Made EQUELLE *Kenja*-brand etc.

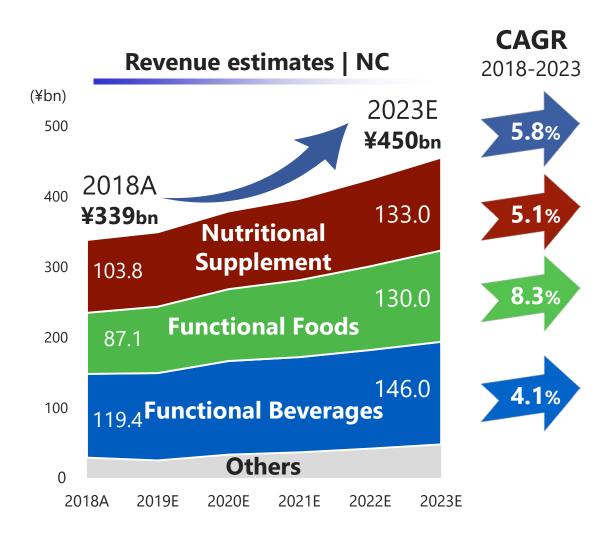
Functional Foods

Calorie Mate N&S
Daiya SOYJOY

Functional Beverages

Pocari Sweat
Oronamin C
BODY MAINTE

OS-1 Tiovita etc.



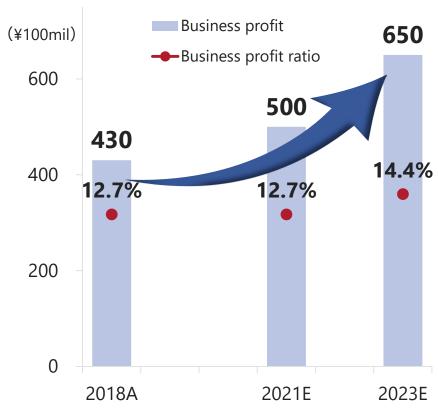
Continuation of Stable Revenue Bases



Continued high profit structure and sales expansion lead to stable revenue base



NC | Business Profit forecasts





Financial Policy

Financial Policy



Business Management with a Corporatewide Awareness of Capital Costs

- Balancing Investments for Future Growth and Shareholders Return
- Clarifying Main Investment Areas
- Enhancing Management Efficiency

Corporate-wide Awareness of Capital Costs



- Implementing "Business management with a corporate-wide awareness of capital costs" throughout the group
 - ✓ Increased awareness of capital costs reflecting business risks
 - ✓ Performance evaluation based on capital costs

ROIC improvement on mid-to long term basis (Business return 1)

Business and investment strategies

ROIC management

Value maximization of existing businesses

Investment for new value creation

Optimal funding (Capital cost ♣)

Financial policy

Optimal capital structure

Corporate → Value

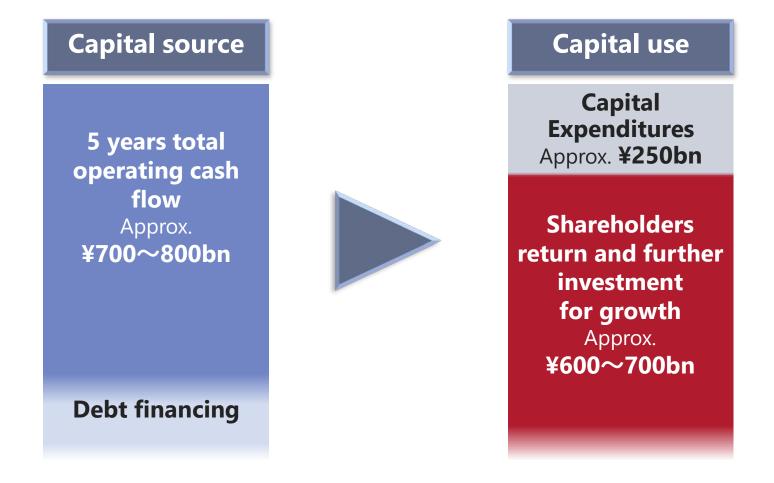
Maximization



Balancing investments for future growth and shareholders return



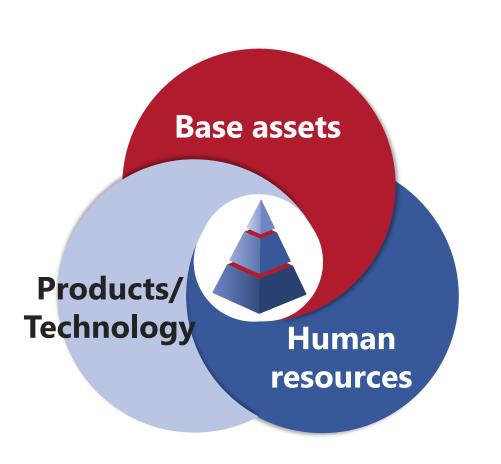
- Disciplined investments based on capital costs
- Ensure solid financial foundation and aim ROE \ge 8%
- Keeping with our basic policy of stable dividends, further shareholders return depending on the profit growth

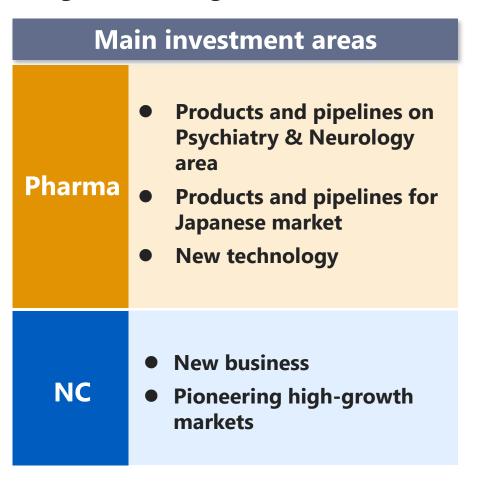


Clarifying Main Investment Areas



- Investments that generate greater values by combining with our existing business assets
- Investments that fit our short-, mid- and long-term strategies





Initiatives to Enhance Management Efficiency



Group-wide management infrastructure to support accelerated global business operations

Initiatives to enhance management efficiency

- Task-standardization and optimization
- Strengthen internal control functions
- Correspond to regulatory environment

Japan	North America	Europe	Asias	
	Shared	d service		
	IT infras	structure		
	Intra-grou	up financin	ıg	
Procur	ement fund	ction optin	nization	

Outline of the 3rd MTM Plan



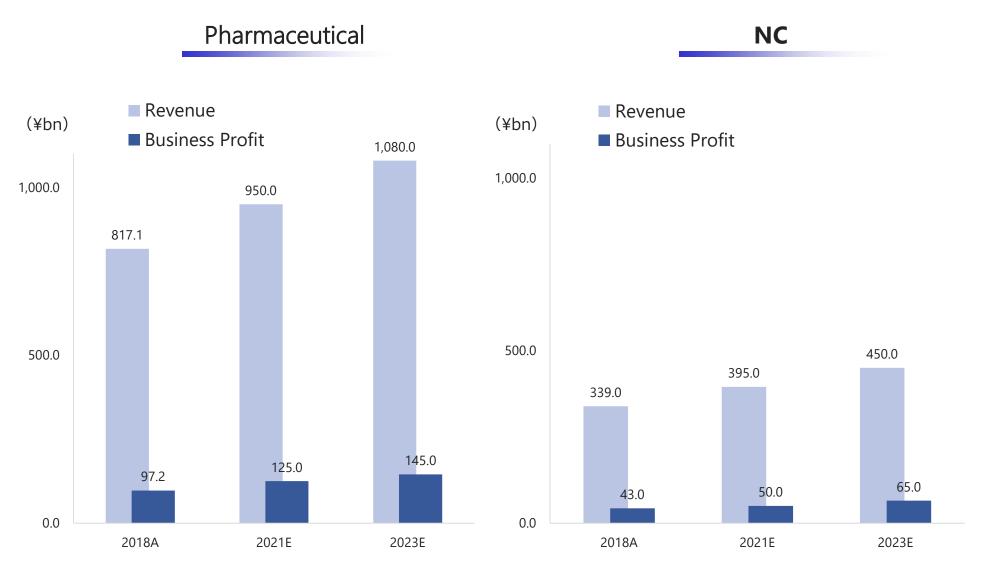
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Appendix

Forecasts by Segments | Revenue and Business Profit*

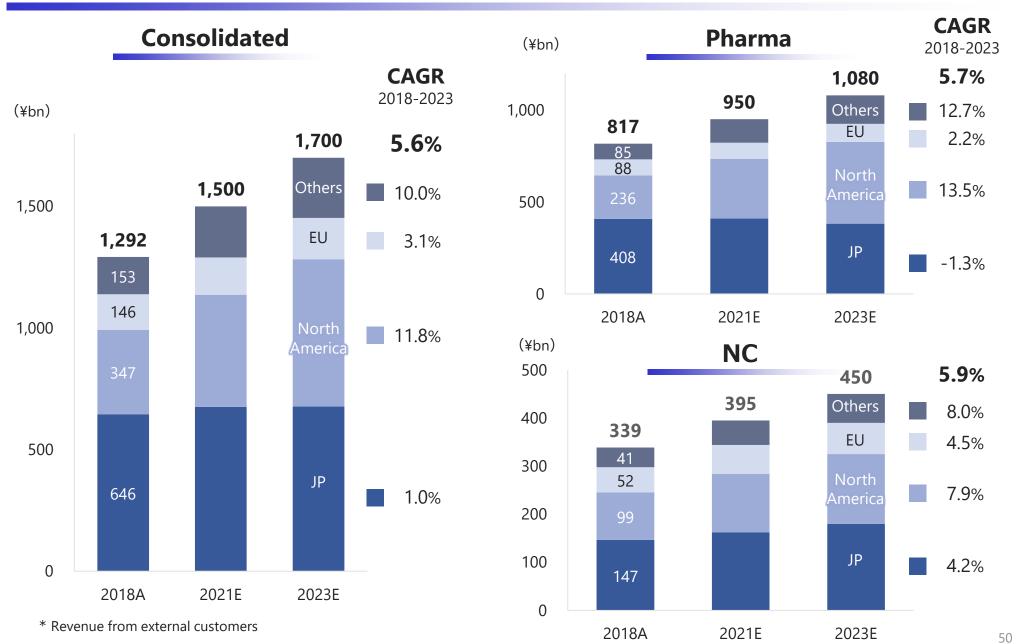




^{*}Revenue including intersegment sales or transfers, Business profit before corporate expenses deduction

Forecasts by Areas | Revenue*





Consumer Business



Quick Improvement in Earnings

Nurture of New Products | Brand Expanding of Major Products

















Meat-free Hamburger

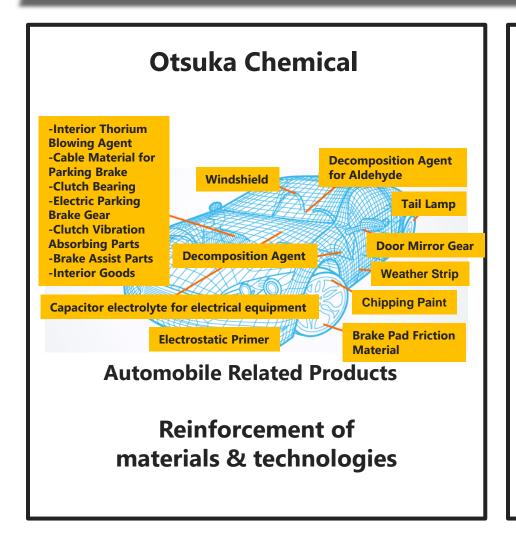
Production Efficiency



Other Businesses



Accelerated Development of New Markets in Worldwide



Otsuka Warehouse









Accelerated common platform & expanding efficiency by linking distribution data

Major Products to be Filed in the 3rd MTM Plan



CNS						
Products ¹⁾	Indication	Area				
Abilify Maintena	(2 month LAI) Schizophrenia Bipolar I disorder					
REXULTI	$MDD^{2)}$					
	Agitation associated with dementia of the Alzheimer's type	• EU				
	PTSD ³⁾	EU				
AVP-786	Agitation associated with dementia of the Alzheimer's type	EU				
centanafadine	ADHD ⁴⁾					
Digital Medicine (quetiapine etc.)	Schizophrenia etc.					
fremanezumab	Migraine					
Cardiovascular & Renal system						
SAMSCA	SIADH ⁵⁾	•				
vadadustat	Renal anemia	EU				
OPC-61815	Cardiac edema	•				

Oncology						
Products ¹⁾	Indication	Area				
TAS-118	Gastric cancer					
SGI-110	MDS ⁶⁾					
ASTX727	AML ⁷⁾ / MDS ⁶⁾	EU				
TAS-116	GIST ⁸⁾	•				
Pro-NETU	CINV ⁹⁾	•				
TAS-120	ICC ¹⁰⁾	• EU				
TBI-1301	Synovial sarcoma	•				
TAS3681	Prostate cancer					
Others						
DELTYBA	MDR-TB ¹¹⁾					
OPA-15406	Atopic dermatitis	•				

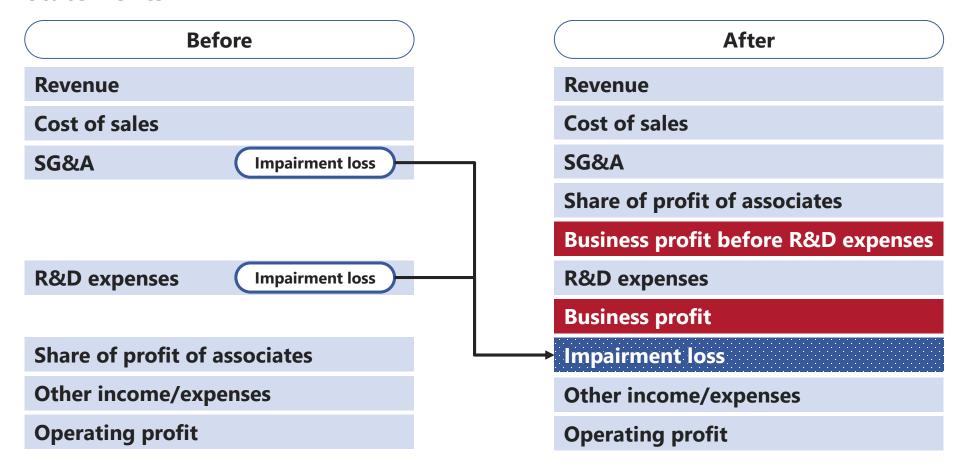
- < Products filed from Jan. to May 2019 >
- canerpaturev (JP: Melanoma)
- Abilify MyCite (EU: Schizophrenia)

¹⁾ Brand name, generic name or development code, 2) Major depressive Disorder, 3) Post traumatic stress disorder, 4) Attention deficit hyperactivity disorder, 5) Syndrome of inappropriate antidiuretic hormone, 6) Myelodysplastic syndromes, 7) Acute myelogenous leukemia, 8) Gastrointestinal stromal tumor, 9) Chemotherapy-induced nausea and vomiting, 10) Intrahepatic cholangiocarcinoma, 11) Multidrug-resistant tuberculosis

Adoption of "Business Profit"



- "Business profit" is to be used as an index of real earning power from business (before impairment loss and other income and expenses)
- Impairment losses previously included in SG&A and R&D expenses are combined and reported under "Impairment loss" in the financial statements



For Sustainable Society | Otsuka's CSR mission



- Promote business-integrated-CSR based on corporate philosophy
- Aim to realize sustainable growth and sustainable society
- Contribute to SDGs as a company signing the Global Compact

Contribution to Sustainable Society





















Otsuka's business = Address to social issues = CSR

Otsuka-people creating new products for better health worldwide

[Society]

Health People Quality in all we do

(Environment)

Climate change Resource circulation Water conservation

(Governance)

Corporate governance Compliance Risk management

<CSR Mission>

CSR is integrated into our businesses across the Otsuka group of companies, which aims to grow while contributing to the creation of a healthy and sustainable society. We pursue these objectives supported by a comprehensive governance system.

Otsuka Group's Materiality and Related SDGs



Mat	teriality	Social Issues	Our Goals	Our Activities	Related SDGs	
Society	Health	 Unmet medical and health needs* Nutritional needs Increasing aging issues 	 Contribution to unmet needs solution Eradication of tuberculosis Creation of a system for the realization of a healthful life Healthy life extension 	 Promotion of R&D for unmet needs R&D of antituberculosis drugs and improvement of drug access Support for people's health maintenance / improvement mainly on exercise and nutrition etc., enlightenment activities Promotion of problem solving by strengthening partnerships 	3 COOD REALTH 2 THEN INCOCK CONTROL OF THE STATE OF THE S	
	People	PresentyismUnpaired to diversification	 Creation of a corporate culture that stimulates creativity Enhance employee engagement 	 Human resource development Diversity promotion Health management 	8 DEENT WORK AND ECHANDE OF STREET O	
	Quality in all we do	 Consumption and production that impairs sustainability 	 Gaining stakeholder trust Pursuing sustainability at all levels of the value chain Establishing a quality assurance system for safety and security 	 Sustainable procurement and product design Thorough quality control and stable supply Responsible promotional activities and information provision Deepening communication with stakeholders Promotion of "Customer-oriented management" 	12 SEPONDELLE CONTROLLE CO	
Enviro- nment	Climate change	Global warming	 FY 2030 Goal 30% reduction in CO₂ emissions compared to FY 2017 	Reduce CO ₂ emissions throughout the value chain	13 CENATE 12 REPORTER TO THE PART IN THE P	
	Resource circulation	Environmental load increase	FY 2030 Goal 50% reduction in simple incineration and landfill compared to FY 2019	 Reduce environmental impact by improving resource efficiency Promotion of business activities aimed at a sustainable state in both society and the earth 	6 CALAN MATER 14 LEFE WANTER 15 DIFF	
	Water conservat- ion	 Reducing freshwater availability 	FY 2030 Goal Improvement of water use efficiency by 15% compared to FY 2017	 Understanding water resources risk Management and effective use of water resources 	• **	
Governa	nce	Fragile governance systemSocial change risk	Long-term improvement of corporate value	 Strengthen corporate governance Thorough compliance Risk identification, evaluation and management 	16 PAZZ JISTIEZ AND STRING NESTRUJORS	

^{*}The situation where productivity does not go up from the badness of the mind and body condition despite coming to work