

# The 2016 Access to Medicine Index Breakfast Meeting

Jayasree K. Iyer, Executive Director, ATM Foundation 24<sup>th</sup> November 2016 HGPI, Tokyo



5 billion people have access to medicine

## 2 billion to go

Availability

Accessibility

Affordability

Acceptability

# The Access to Medicine Foundation



- Research on, and incentives for, pharmaceutical companies and access to medicine
- Independent, non-profit organisation
- Multi-stakeholder approach













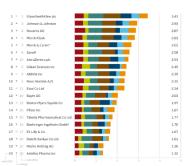
### **Build consensus**

on what to expect from the industry and where incentives and disincentives exist.



### Stimulate a "race to do well"

in key access-to-medicine areas, by creating competition on targets and topics.



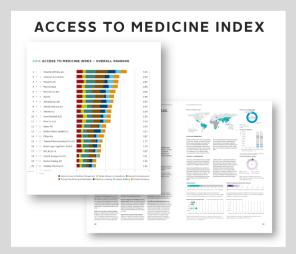
### Diffuse best practices

to share information and new insights into the best approaches for driving change.

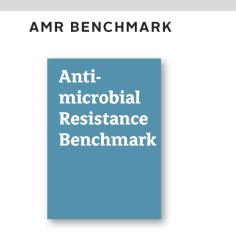


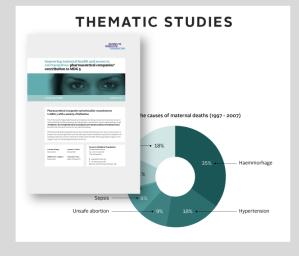
## What we do













#### **Funders**



"The companies at the top of the Index want to do more. The ones at the bottom see that and push forward on it."

Bill Gates

# Access to Medicine Index 2016



### **Pharma Companies**



"The Index challenges us to think harder about how we drive innovation and enable access to our products."

Sir Andrew Witty, GSK CEO

#### **Global Health**



"The Index is a very important project. What gets measured, gets done."

Dr Margaret Chan

#### Media



"While progress is uneven, many drug makers are, by and large, making headway. In fact, access is increasingly seen as a necessary business issue."

Wall Street Journal

### **Investors**



"We are increasingly reviewing corporate approaches to access to medicine as a key strategic consideration."

**53 Signatory Investors** 

# 60 investors – AUM in excess of USD 5.5 trillion

























































































































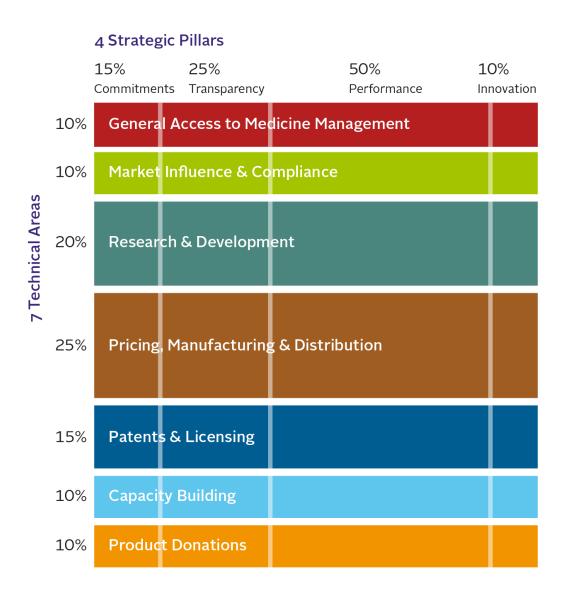




# 2016 Access to Medicine Index What we measure

## Framework for analysis





## Company scope



ADDVIC IIIC.	•	AbbVie Inc.	
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- Astellas Pharma Inc.
- AstraZeneca plc
- Bayer AG
- Boehringer Ingelheim

**GmbH** 

- Bristol-Myers Squibb Co.
- Daiichi Sankyo Co. Ltd.
- Eisai Co. Ltd.
- Eli Lilly & Co.
- Gilead Sciences Inc.

• GlaxoSmithKline plc

Johnson & Johnson

Merck & Co. Inc.

Merck KGaA

Novartis AG

Novo Nordisk A/S

Pfizer Inc.

Roche Holding AG

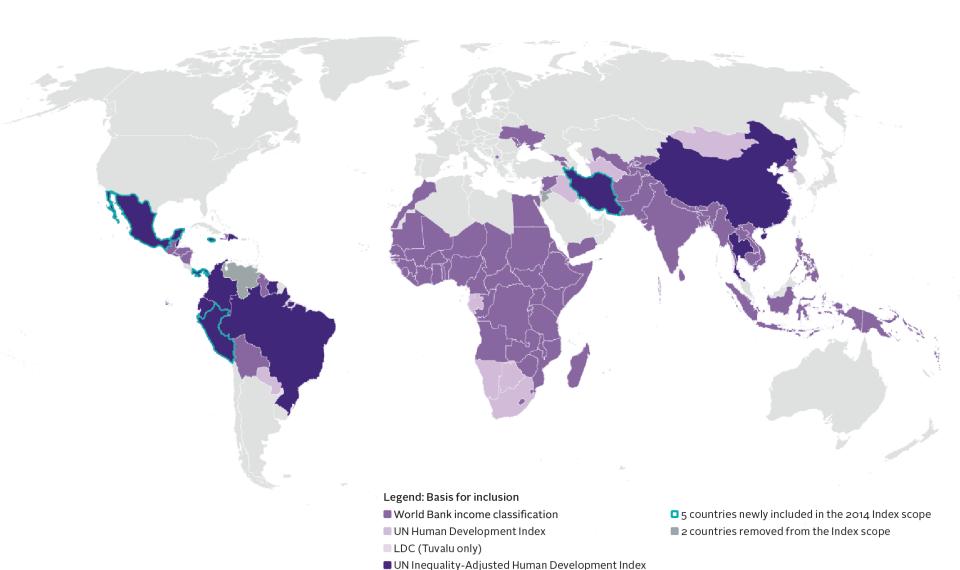
Sanofi

Takeda Pharmaceutical

Co. Ltd.

## Geographic scope





## Disease scope



#### **COMMUNICABLE DISEASES**



NEGLECTED TROPICAL
DISEASES



**NON-COMMUNICABLE DISEASES** 



MATERNAL & NEONATAL HEALTH CONDITIONS

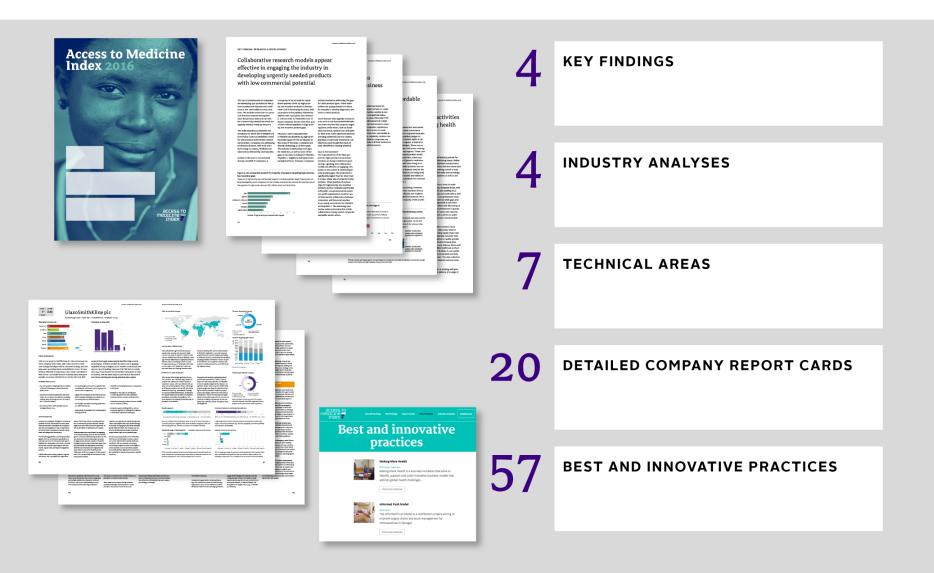




## 2016 Access to Medicine Index Report Highlights

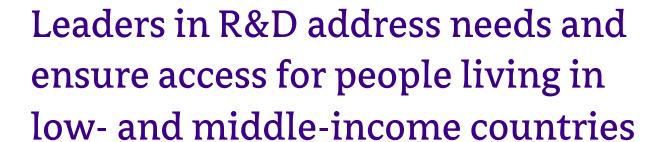
### A comprehensive report



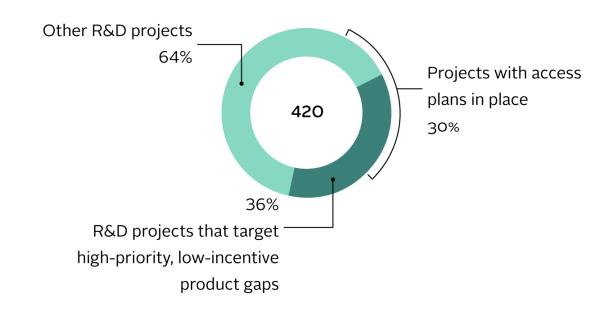




## 2016 Access to Medicine Index Key Finding: R&D

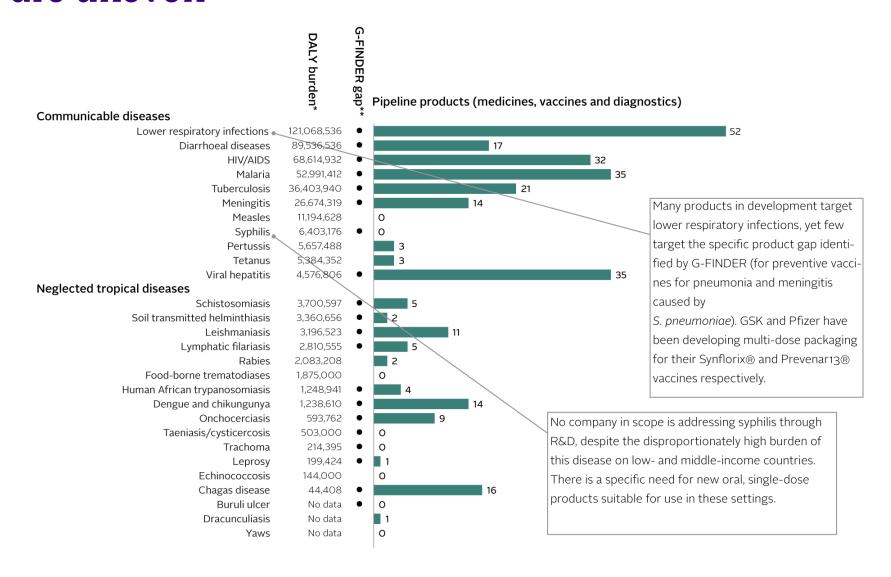






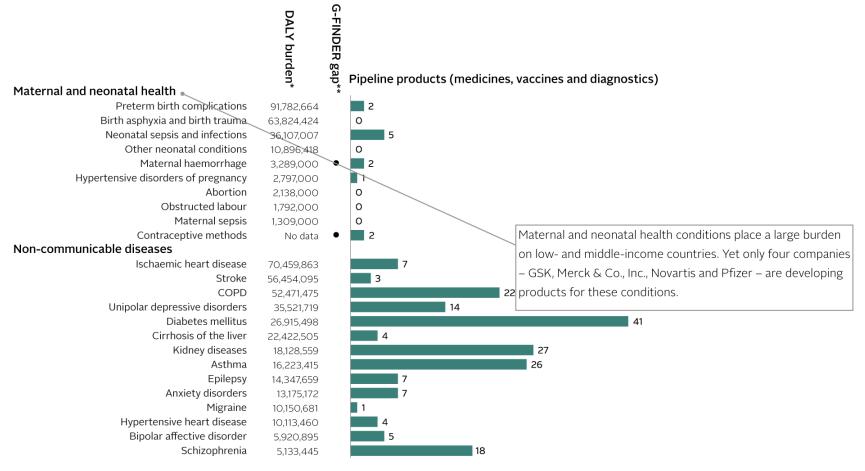
# Efforts to meet product R&D needs are uneven





# Efforts to meet product R&D needs are uneven





<sup>\*</sup>See 2015 Methodology for the 2016 Access to Medicine Index.

<sup>\*\*</sup>The G-FINDER tool from Policy Cures identifies high-priority product gaps where there is both a need for new products and insufficient commercial incentive to drive R&D.

# Over one third of product gaps with low commercial incentive being addressed



ATMI Disease	Specific disease target	Medicines	Vaccines (Preventive)	Vaccines (Therapeutic)	Diagnostics	Microbicides	Vector Control Products	Devices (for reproductive health only)
Buruli ulcer								
Chagas disease		15		0				
Dengue and chikungunya	Dengue	9						
Human African trypanosomiasis		4						
Leishmaniasis		1						
Leprosy		0						
Lymphatic filariasis		5						
Onchocerciasis		9						
Schistosomiasis		5						
Soil transmitted helminthiasis	Ascariasis	2						
	Hookworm diseases	2						
	Strongyloidiasis	0						
Taeniasis/cysticercosis		•						
Trachoma								

High-priority, low-incentive product gap, unaddressed by companies in scope

- High-priority, low-incentive product gap, addressed by companies in scope. Includes number of R&D projects.
- Blank cell: no high-priority, low-incentive product gap identified by G-FINDER

<sup>\*</sup>Specific product gap identified, e.g., for a new administration route to be developed, or serotypes to be targeted.

# Over one third of product gaps with low commercial incentive being



addressed  ATMI Disease	Specific disease target	Medicines	Vaccines (Preventive)	Vaccines (Therapeutic)	Diagnostics	Microbicides	Vector Control Products	Devices (for reproductive health only)
Contraceptive methods	Reproductive health products*	2						
Diarrhoeal diseases	Cholera*							
	Cryptosporidiosis*	0						
	Enterotoxigenic E. coli infection		0					
	Giardiasis [lambliasis]							
	Rotaviral enteritis*		0					
	Shigellosis*		2					
	Typhoid and paratyphoid fevers		2					
	Other intestinal E. coli infections							
HIV/AIDS*		17	3		3			
Lower respiratory infections	Due to S. pneumoniae*		6					
Malaria		30	3		2			
Maternal haemorrhage	Postpartum haemorrhage*	2						
Meningitis	Due to N. meningitidis*							
	Due to S. pneumoniae*		6					
Syphilis*								
Tuberculosis		19	2					
Viral hepatitis	Hepatitis C genotypes 4, 5, 6*	12	0					

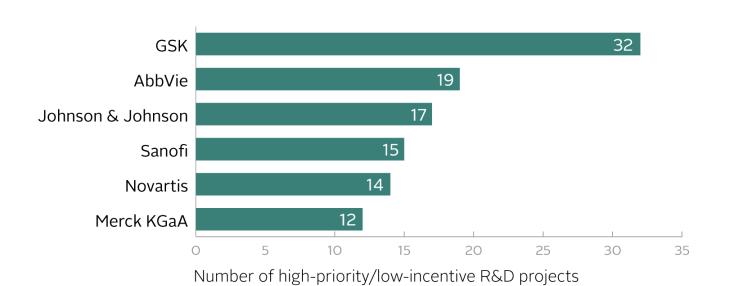
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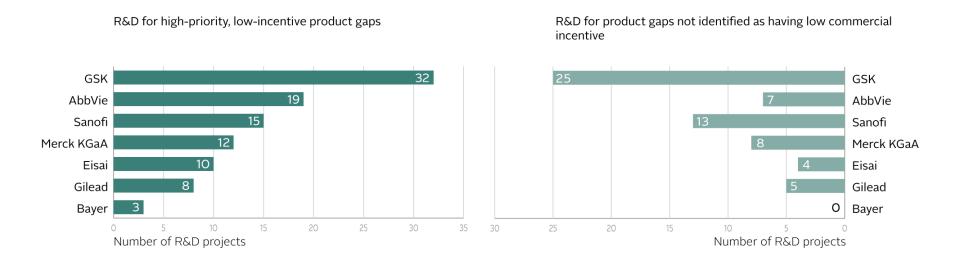
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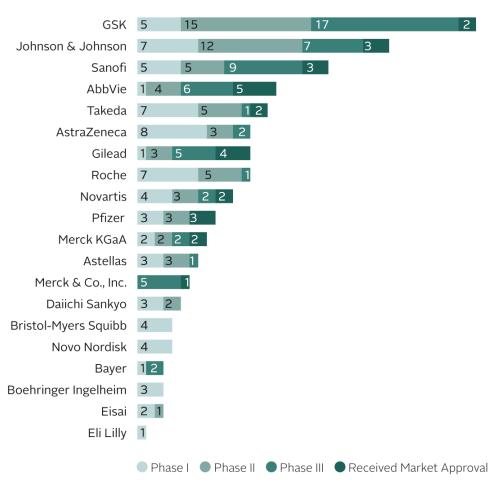






# Only a few commercially-promising projects have plans for access in place



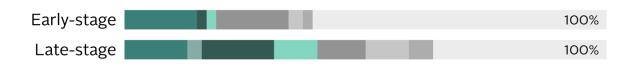


Projects that target multiple diseases or are being developed by multiple companies are counted more than once

# Access provisions are set earlier when projects are conducted in partnership







#### In-house R&D





## 2016 Access to Medicine Index Key Finding: Capacity Building

# Leading companies systematically address local needs



	R&D	MANUFACTURING	SUPPLY CHAIN MANAGEMENT	PHARMACOVIGILANCE
ACTIVITY	Companies are more active than in 2014, with a simi- lar proportion of long-term initiatives. Four companies directly target local skills gaps.	Most companies build capacity in-house and with others. Three commit to assessing third-party training needs.	Many best practice initiatives but large scope for better information-sharing, e.g., to report suspected falsified medicines	Majority of companies update their safety labels globally, but sharing safety data is less common.
LEADERS	GSK, Merck & Co., Inc., Merck KGaA, Novartis	AstraZeneca, Daiichi Sankyo, Johnson & Johnson, Merck KGaA	GSK, Johnson & Johnson, Merck & Co., Inc., Novartis, Sanofi	AbbVie, Bayer, GSK, Johnson & Johnson, Novartis
ACTIVE NUMBER	15	18	14	16
GEOGRAPHIC FOCUS	China, Brazil, Kenya and South Africa	China, India and Brazil	Sub-Saharan Africa	Latin America

# Leading companies systematically address local needs

R&D

### **MANUFACTURING**



**PHARMACOVIGILANCE** 











## 2016 Access to Medicine Index Key Finding: Business Models

# Commercial business models address lower income populations















# Commercial business models address lower income populations



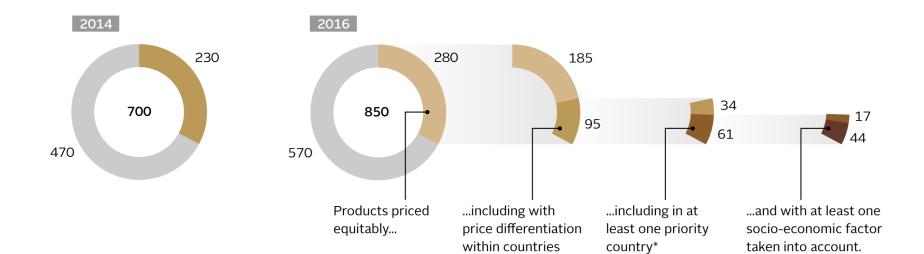
Company	Name	Geographic scope	Disease scope
Boehringer Ingelheim	PreCare	Kenya	Stroke
	Coupon/Loyalty Programme	Kenya	Stroke
Eli Lilly	Lilly Expanded Access for People (LEAP)	China	Diabetes
Novartis	Novartis Access	Initially Kenya and Ethiopia	Cardiovascular diseases, diabetes, respiratory illnesses, breast cancer
	Community-based Hypertension Improvement Project (ComHIP)	Ghana	Hypertension
Merck KGaA	Su-Swastha	Rural India	Cough, cold and allergies; immunity and malnutrition; diabetic neuropathy; diarrhoea; and dermatology.
Pfizer	Global Established Products portfolio (business unit)	Global	Multiple diseases

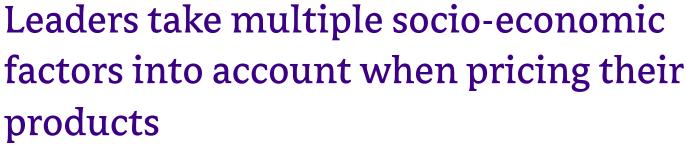


## 2016 Access to Medicine Index Key Finding: Product Deployment

## True needs-based pricing is limited

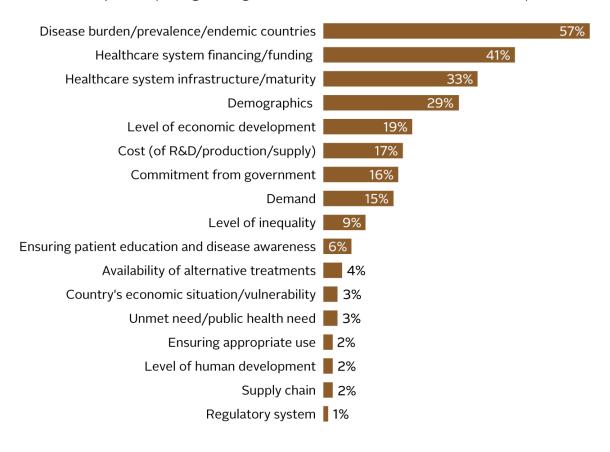






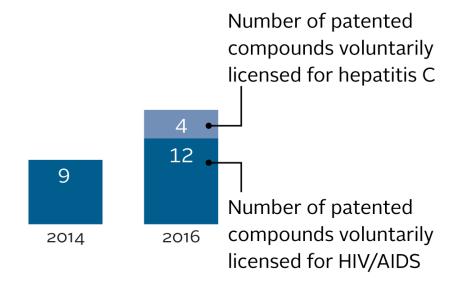


% of equitable pricing strategies\* that consider socio-economic factors, per factor.









# Large emerging markets are often overlooked in voluntary licensing agreements

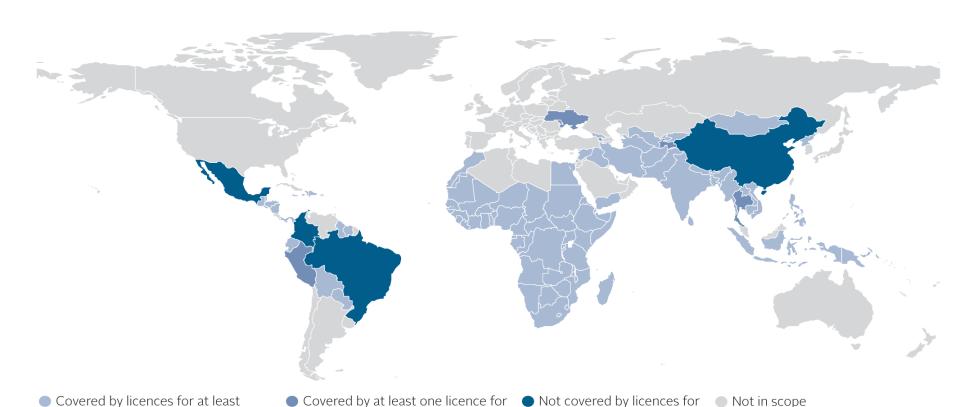
an HIV/AIDS product

but not for a hepatitis C product

one HIV/AIDS product

AND at least one hepatitis C product





either HIV/AIDS

or hepatitis C products

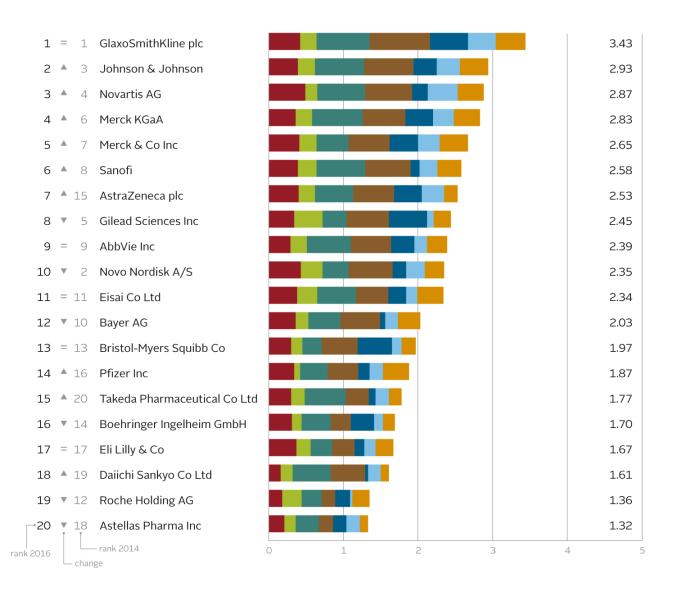


# 2016 Access to Medicine Index Performance of Japanese Companies

### 2016 Access to Medicine Index

#### **OVERALL RANKING**

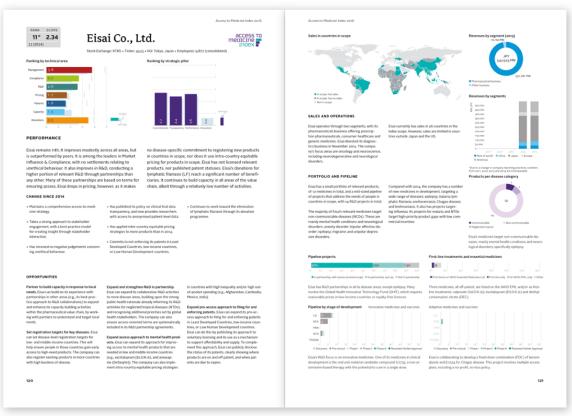




- General Access to Medicine Management
- Market Influence & Compliance
- Research & Development
- Pricing, Manufacturing & Distribution
- Patents & Licensing
- Capacity Building
- Product Donations

### Eisai Co., Ltd.

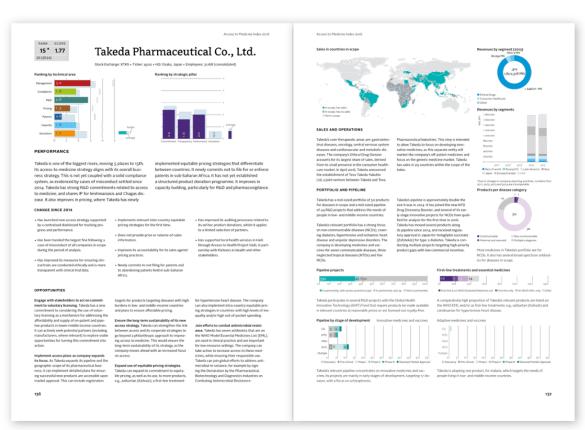




- Strong in Market
  Influence & Compliance
- Highest proportion of R&D through partnerships, notably NTDs
- Commits to not enforcing patents in certain low-and middle income countries
- Donates to eliminate
   Lymphatic Filariasis

### Takeda Co., Ltd.

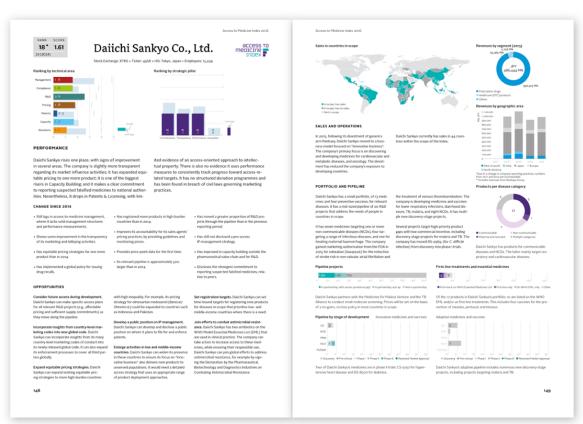




- New access strategy launched
- R&D in NTDs
   (leishmaniasis, Chagas),
   dengue and norovirus
- Commits to not enforcing patents in Sub-Saharan Africa

## Daiichi Sankyo Co., Ltd.

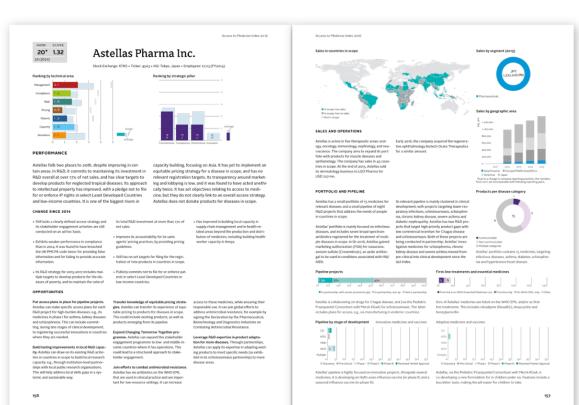




- Pipeline increased 50% for multiple discovery projects
- Commits to reporting falsified medicine to national authorities
- Supports mobile health clinics, access to medical services
- Technology transfer of vaccines in India,
   Cameroon and Tanzania

### Astellas Pharma Inc.





- R&D in neglected diseases such as schistosomiasis and Chagas disease
- Strengthens supply chain management in China and South East Asia
- Commits to building manufacturing capacity in Brazil and Iran

### access to medicine FOUNDATION

Q & A



## Thank you

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www.accesstomedicineindex.org