

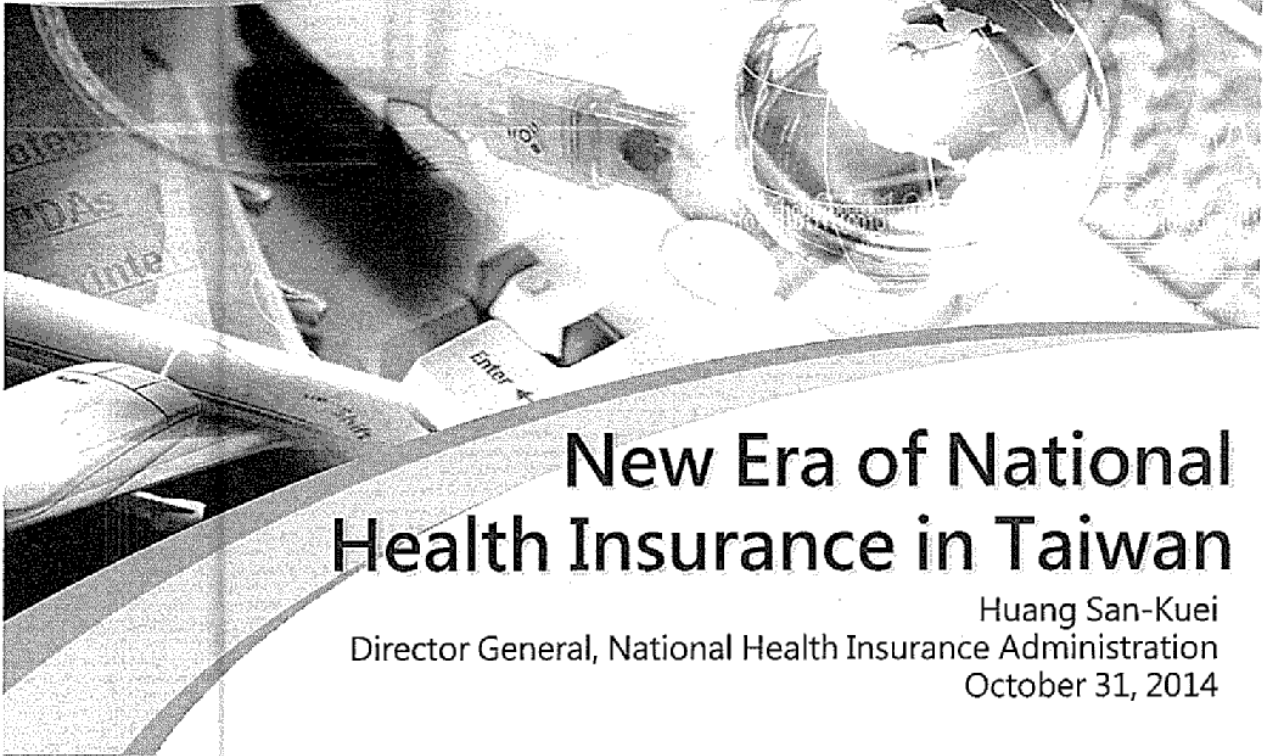
附錄

貳、台日醫藥交流會議---健康保險類研討會資料

- 一. New Era of National Health Insurance in Taiwan—健保署署長 黃三桂
- 二. A Measure to Ensure Transparency and Efficiency in Drug Pricing System
Shinichi TAKAE, Deputy Director
Economic Affairs Division Health Policy Bureau, MHLW, JP
- 三. Efficiency and Transparency in pricing
健保署醫審及藥材組研究員 陳尙斌
- 四. Improvement in methodology of pricing for new drugs and orphan drugs
Yasuhiro Matsunaga,
Japan Pharmaceutical Manufacturers Association
- 五. Policy for reimbursing orphan drugs
健保署醫審及藥材組研究員 陳尙斌
- 六. Separation of Dispensing and Prescribing Drugs in Japan
Katsuaki Ura
General Affairs Division, Pharmaceutical and Food Safety Bureau ,
MHLW, JP

◎研討會資料已登載於日本独立行政法人医薬品医療機器総合機構網頁，供各界閱覽。
(Pharmaceuticals and Medical Devices Agency , PMDA , 似我國的財團法人醫藥品查驗中心)。

http://www.pmda.go.jp/kokusai/2014taiwan_sympto/2014taiwan_sympto_i.pdf



New Era of National Health Insurance in Taiwan

Huang San-Kuei
Director General, National Health Insurance Administration
October 31, 2014

Contents

1 Current Development and Challenges

2 Innovation in NHI

3 Future Perspective



Profile of Taiwan

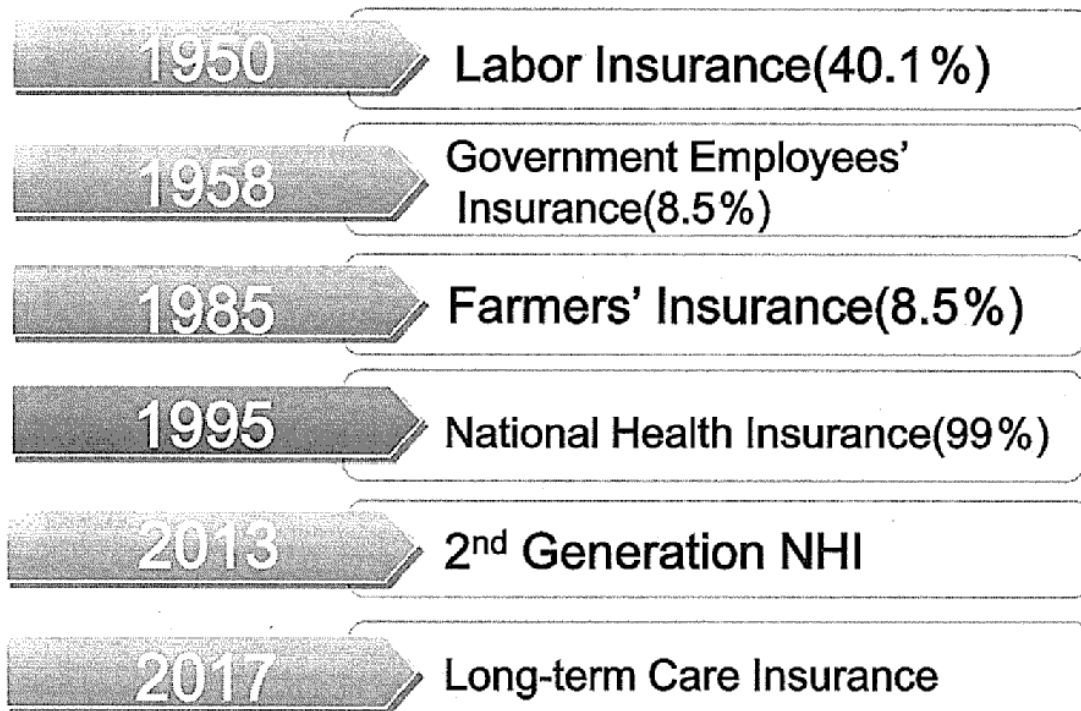
Population	23 millions
Land Area	36,191 km ²
Population aged over 65	11.5%
GDP (2012)	US\$20,423 Per Capita US\$38,462 Per Capita (ppp)
NHE (2012)	US\$1,350 Per Capita US\$2,546 Per Capita (ppp)
NHE in GDP (2012)	6.6%
Life expectancy (2013)	76.69 (M) / 83.25 (F)

Source: Directorate-General of Budget, Accounting and Statistics; ROC; MOHW

3



Development of social insurance in Taiwan



4

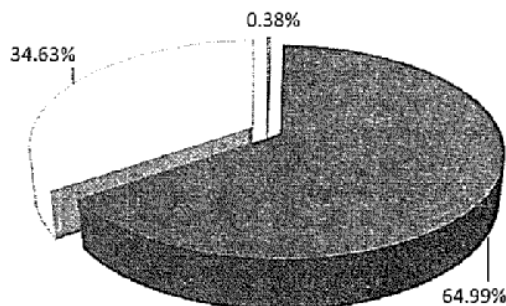
Current Development and Challenges



Current status of National Health Insurance in Taiwan

Compulsory program / single payer

- Universal coverage
- Guarantee equal access to health care service
- 20,325 contracted providers, including 493 hospitals (100% contracted) in 2013



□ Un-Insured ■ Insured ▨ Insured's Relative

■ Coverage rate is 99.62%

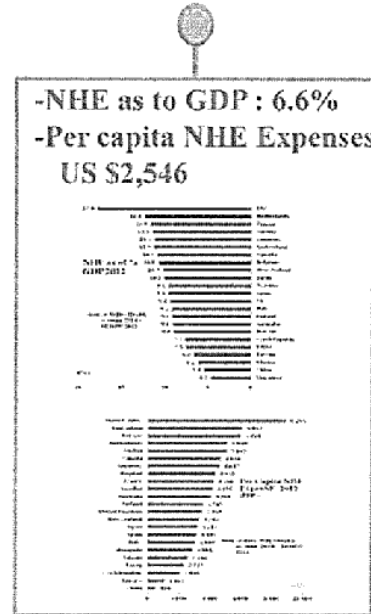
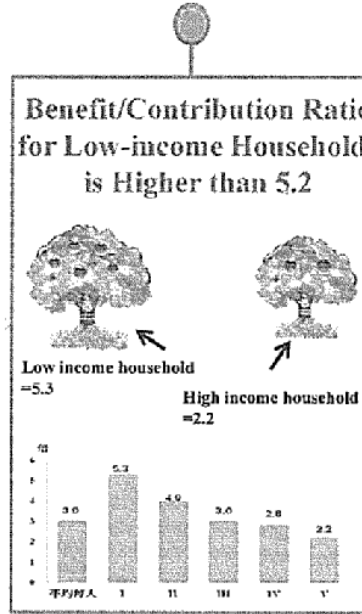
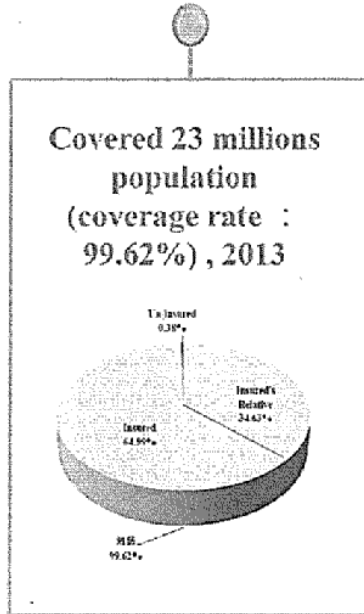
Advantage

- Low administrative costs
- Low co-payment, below 10% on average
- Comprehensive medical services, including outpatient services, inpatient services, dental, and traditional medicine, etc.
- Big database



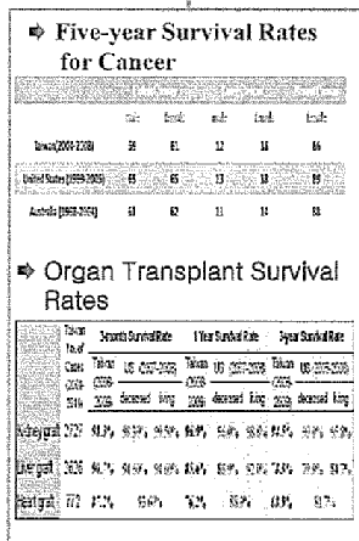
Major NHI Achievements(1/2)

1. Universal coverage
2. Easy & Equitable access
3. Affordable Cost

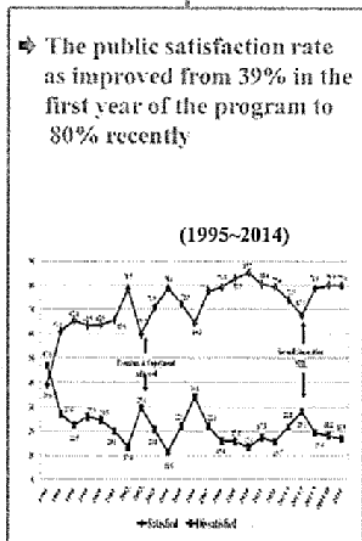


Major NHI Achievements(2/2)

4. Up-to-Standard Quality



5. High Public Satisfaction



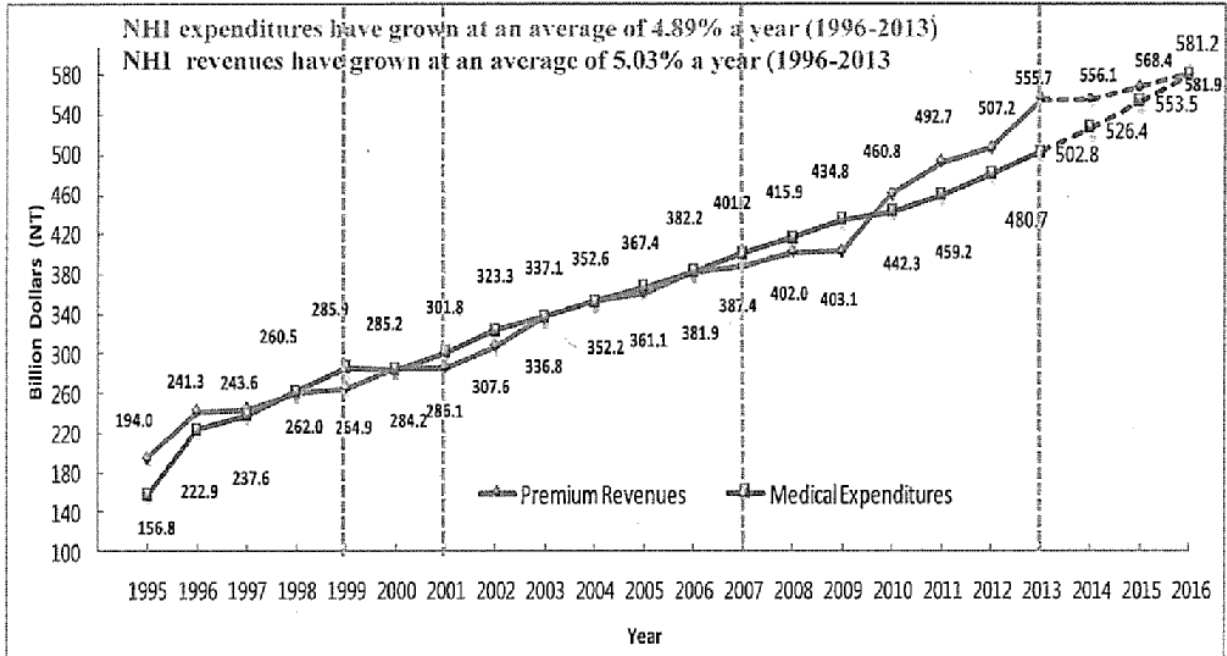
6. International Recognition





NHI revenues and costs

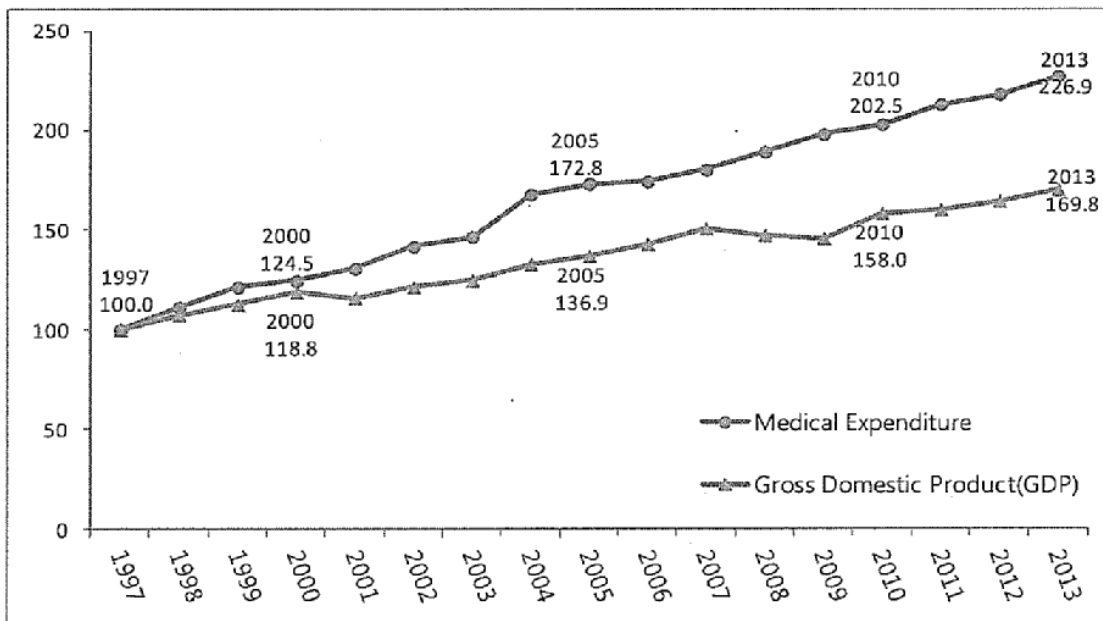
NT\$ billion



9



Medical expenditure vs. GDP



Note 1 : GDP(1997) is reference year · Ratio=100x[GDP(Year)/GDP(1997)] ·

Note 2 : GDP(1997) is 8.57T-NTD · 2013 is 14.56T-NTD and growth rate is 69.8% ;

Medical expenditure is 259.69B-P in 1997 · 589.27B-P in 2013 and growth rate is 126.9% ·

10



Aging Across Region

2009			2050		
Country	15-59:60+	Rank	Country	15-59:60+	Rank
Japan	1.92	1	Japan	1.01	1
Australia	3.24	2	Taiwan	1.14	2
USA	3.45	3	S.Korea	1.17	3
Hong Kong	3.97	4	Singapore	1.24	4
Singapore	4.51	5	Hong Kong	1.25	5
S.Korea	4.51	6	China	1.73	6
Taiwan	4.75	7	Australia	1.82	7
China	5.71	8	USA	2.03	8
Vietnam	7.63	9	Vietnam	2.13	9

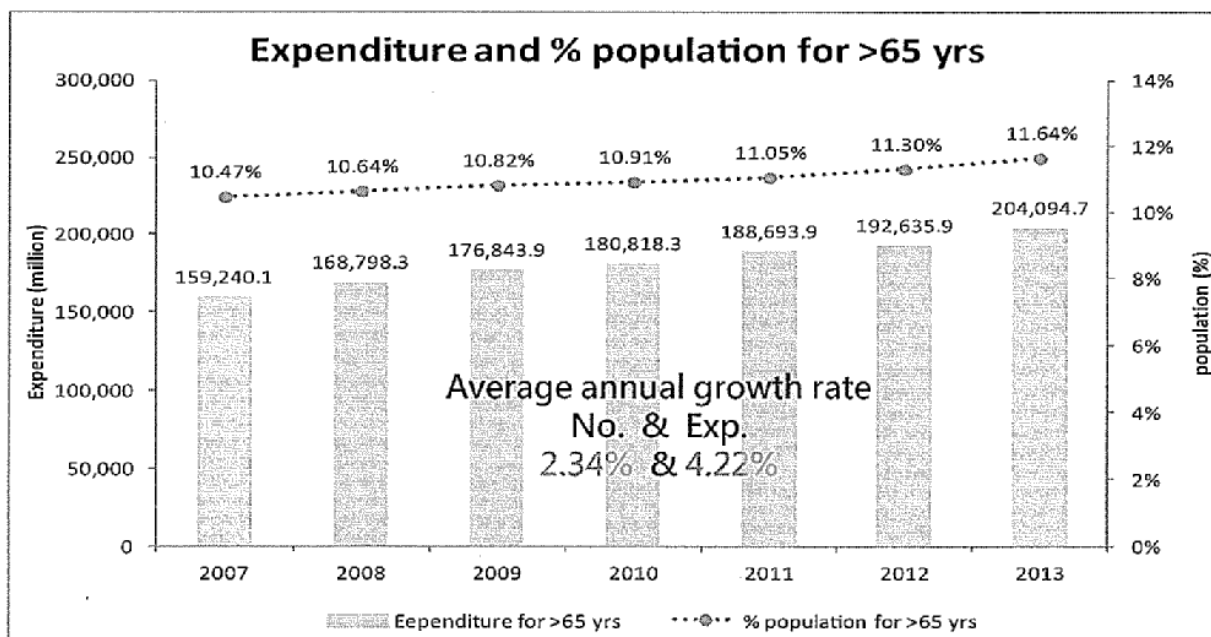
Source:
 Prof. Alan Cass
 Senior Director
 The George Institute for Global Health
 Chair, Scientific Committee, Australasian Kidney Trials Network

11



Current Aging Trends and Impact to Healthcare

*The elderly people represent 11.6% of population, who used 34.6% NHI medical expenditures in 2013.

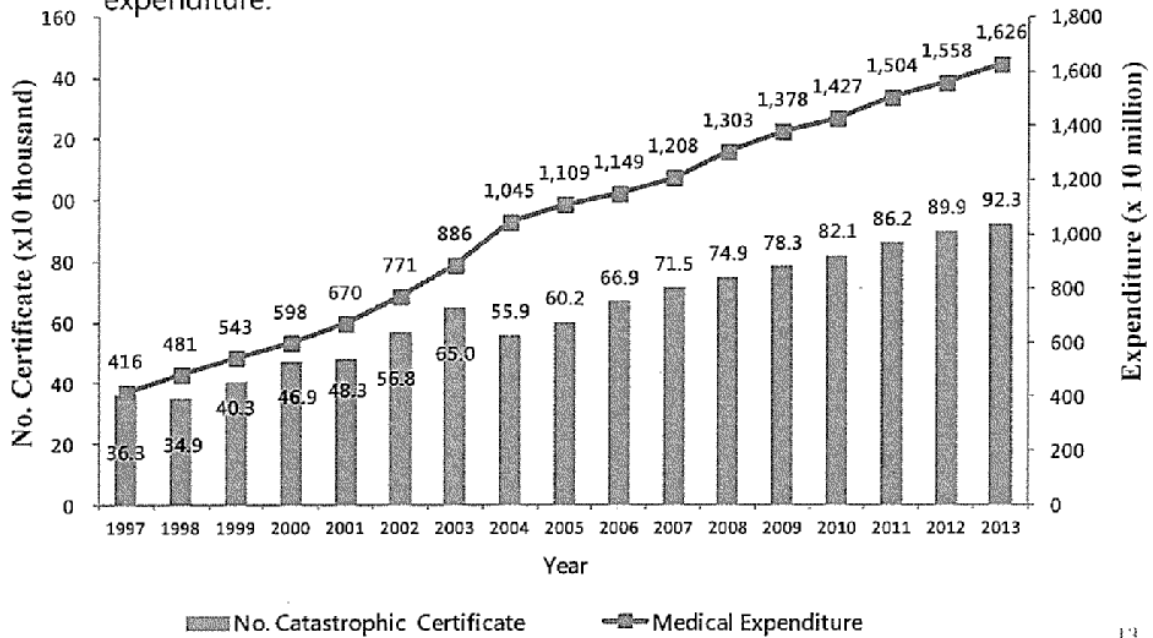


12



Catastrophic Illnesses

- There are more than 920 thousand catastrophically ill patients, or about 3.9% of all those insured under NHI program.
- Their medical expenditure in 2013 costs NT\$ 162.6 billion, or 27.1% of all NHI expenditure.

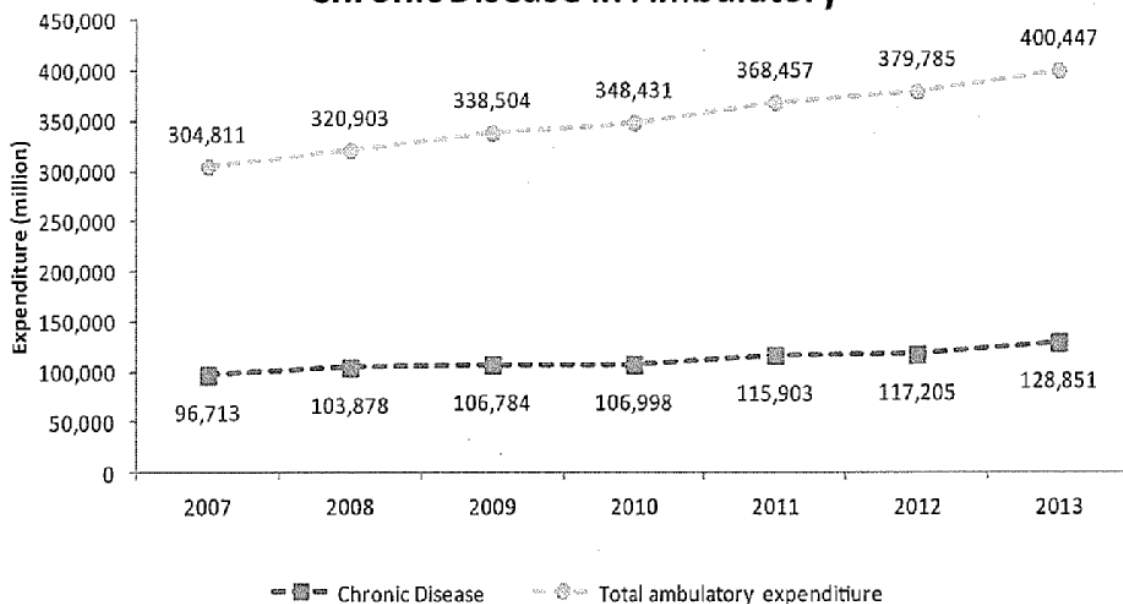


13



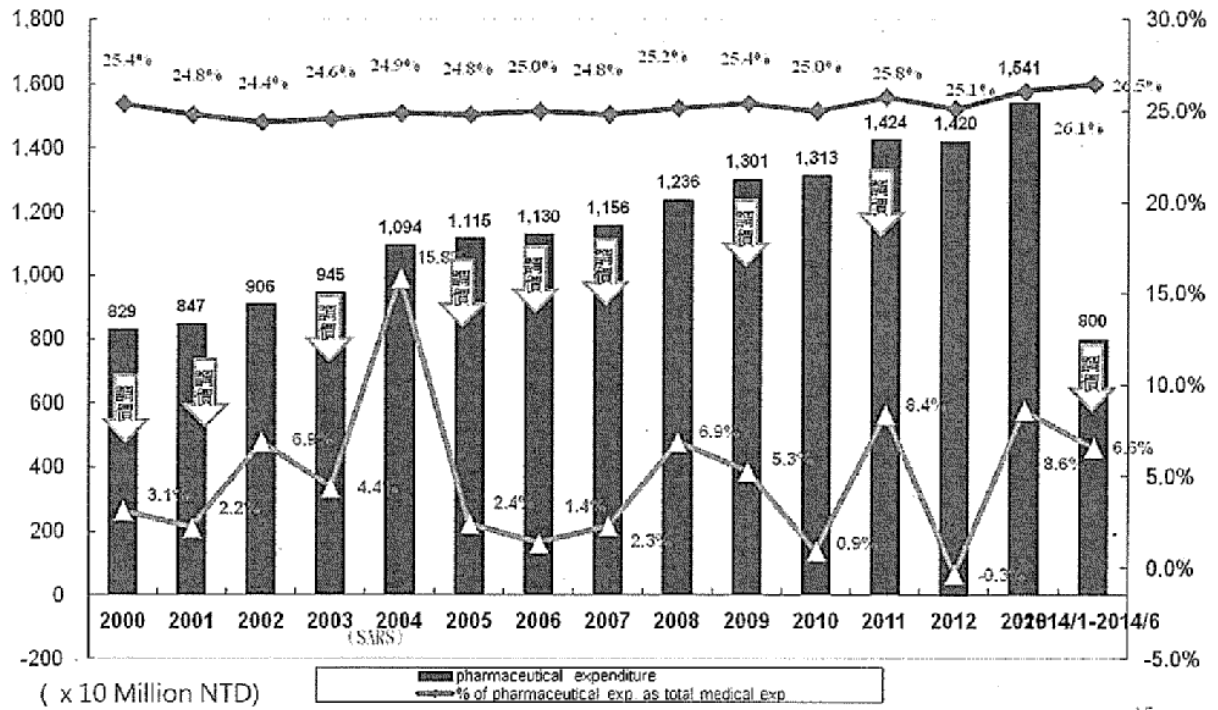
Medical Expenditure of Chronic Disease

Chronic Disease in Ambulatory



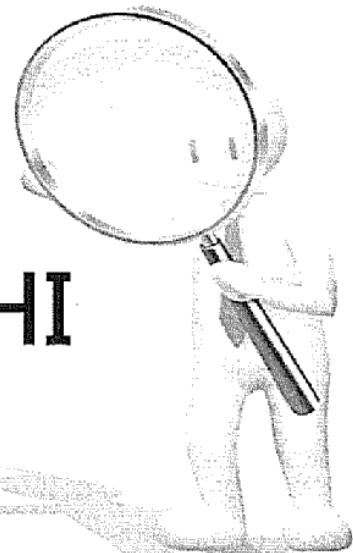


NHI Pharmaceutical Expenditure



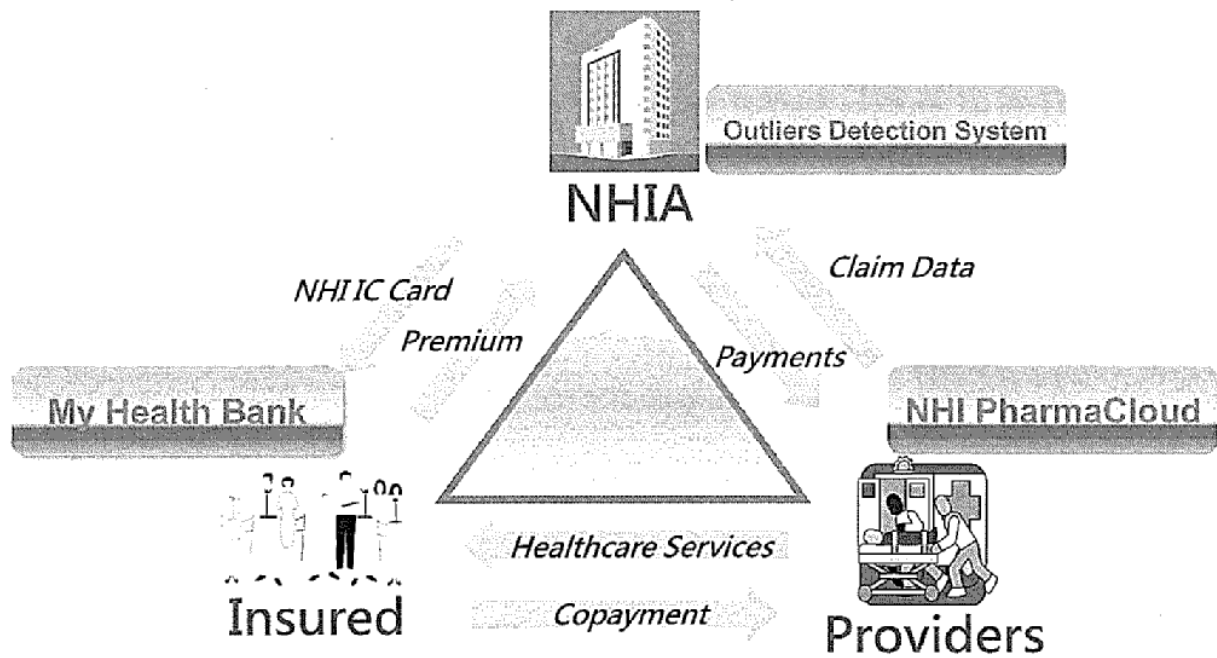
15

Innovation in NHI





Healthcare Innovation 2014



17

全民健保
健康存摺

MY
HEALTH
BANK

-My Health Bank-



My Health Bank



衛生福利部中央健康保險署

NATIONAL HEALTH INSURANCE ADMINISTRATION
MINISTRY OF HEALTH AND WELFARE



全民健保健康存摺系統 / MY HEALTH BANK

ID

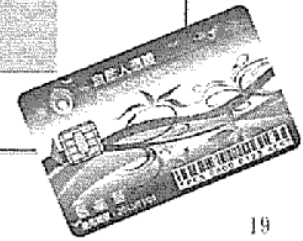
>>身分證號

PIN

>>自然人憑證密碼

請插入自然人憑證後按確認

確認



19



Multiple Sources

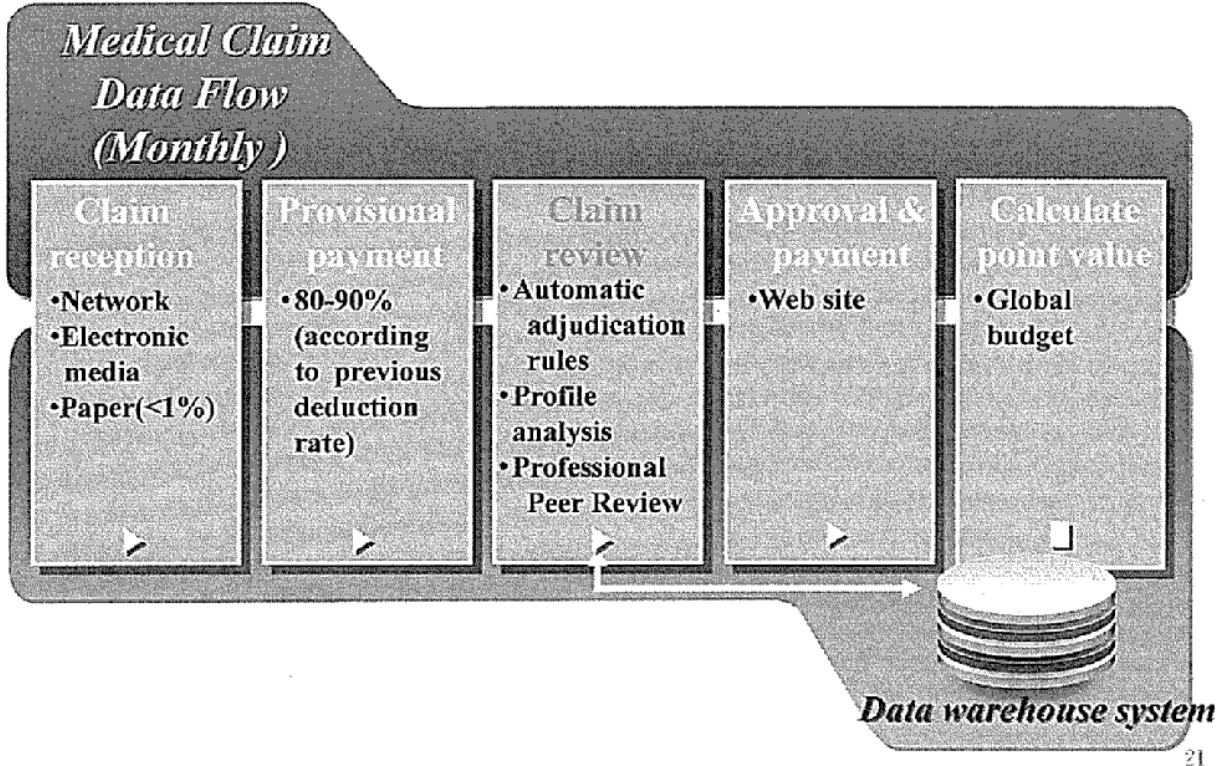
Scope of Benefits

- Inpatient care
- Outpatient care
- Prescription drugs and certain OTC drugs
- Dental services
(orthodontics, prosthodontics excluded)
- Traditional Chinese medicine
- Day care for the mentally ill
- Home nursing care
- Allergy & Vaccine records*

20



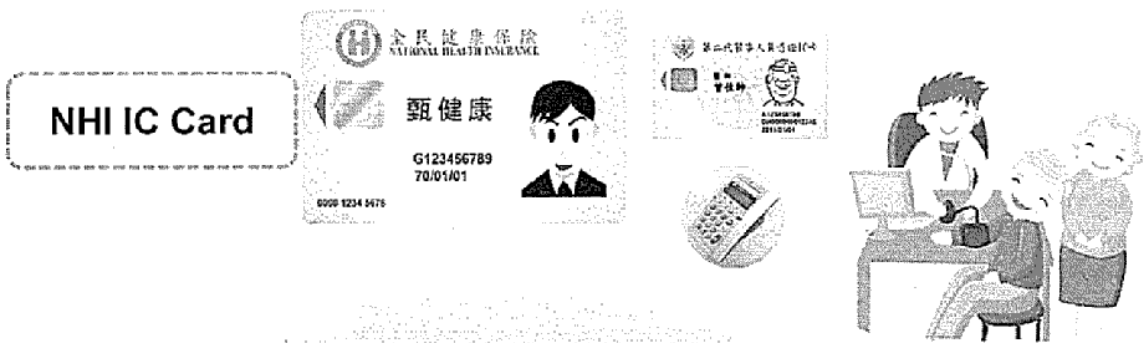
High Quality-Medical Claim Data



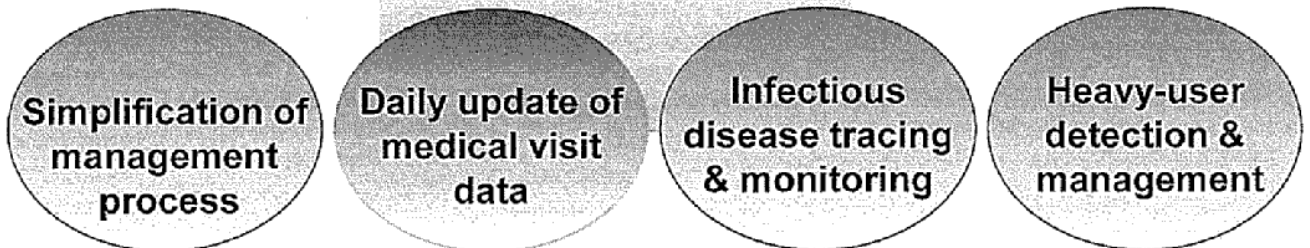
21



NHI IC Card for Each Patient



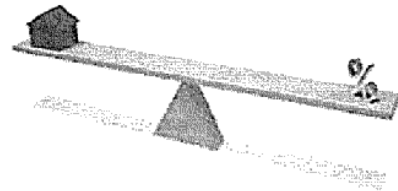
Functions of NHI IC Card





Providing Personal Medical Data

- **Personal medical data accessibility**
 - Self-managing healthcare records
 - Alerting hospital to claim accurate data
 - Facilitating discussion between doctors and patients
- **Personal privacy**
 - Certificate identity
 - Security for downloading files



23



How soon to get the data?

進出



全民健保健康存摺系統

本系統提供 台端自申請日前2日起近一年醫事機構申報及健保卡上傳之醫療資料，並於每日更新健保卡上傳資料之內容，例如：103年09月16日申請可查詢102年09月01日至103年09月14日之醫療費用申報及上傳資料，以此類推。全民健保健康存摺並非病歷，相關診斷及詳細病情情形，請洽相關醫事機構。

請於申請日之隔日8時再至本網頁下載申請結果，本網站依據 台端申請產製資料後保留7日（例如：103年09月16日提出申請，請於103年09月17日8時至103年09月23日23時59分至本網站下載），下載檔案密碼為您的「身分證號」（首碼英文為大寫）。

Medical Data Period:
2013/9/1~2014/9/14

Apply Date: Sep 16, 2014

Download Date: Sep 17, 2014

申請情形

申請日期	資料起迄期間	可下載期間	狀態
103/09/16	102/09/01 至 103/09/14	103/09/17 至 103/09/23	可下載

56

24



My Health Bank – Outpatient

NHI Service Office	Clinic/Hospital	Visit Date/Pharma Date	NHIIC Card Seq. No.	Diagnosis Procedure Operation	Copayment	NHI Expenditure				
衛生福利部中央健康保險署 門診及交付機構醫藥費證明細表										
ID	身分證號：2222****59									
Period	資料申請日期：103/07/02									
	資料起迄期間：103/05/01 ~ 103/05/31 (申報)									
健保服務單位	醫事機構	就醫日期	交付調劑、檢查或復健治療日期	健保卡就醫序號	疾病分類碼	疾病分類名稱	處置碼	處置名稱	部分負擔金額	健保支付點數
醫編代碼	醫編名稱	醫編總量								
東區	****診所	103/05/14		0022	7140	類風濕性關節炎			250	1,438
00110C	一般門診診察費—基層院所門診診察費1.每位醫師每日門診量在三十人次以下部分(3-1)未開處方或處...	1								
00211C	門診藥事服務費—慢性處方給藥30天以上(山地離島地區每人每日100件內)	1								
09005C	紅血球沉降速度測定	1								
12015C	C反應性蛋白試驗—免疫比濁法	1								
15C	肌註注射	1								
A047570100	汎亨 樂松錠	56								
AC29573100	舒筋膠囊10公絲(根納利林)	28								
AC31876100	柏理 康速龍錠5毫克(培尼皮質醇)	56								
AC34670100	強生 韋啟模衣錠5公絲	24								
AC36749100	舒肌痛膠囊(錫箔膠箔)	56								
AC42899100	健亞 韋積模衣錠200公絲(韋啟模氣產字)	56								
AC47371100	強生 易除痛膠囊200毫克	26								
B022726100	滅殺除菌錠2.5公絲	24								
南區	**檢驗所	103/05/14		0022	7140	類風濕性關節炎			0	275
12015C	C反應性蛋白試驗—免疫比濁法	1								

Detail Orders:
Medicines
Medical Devices

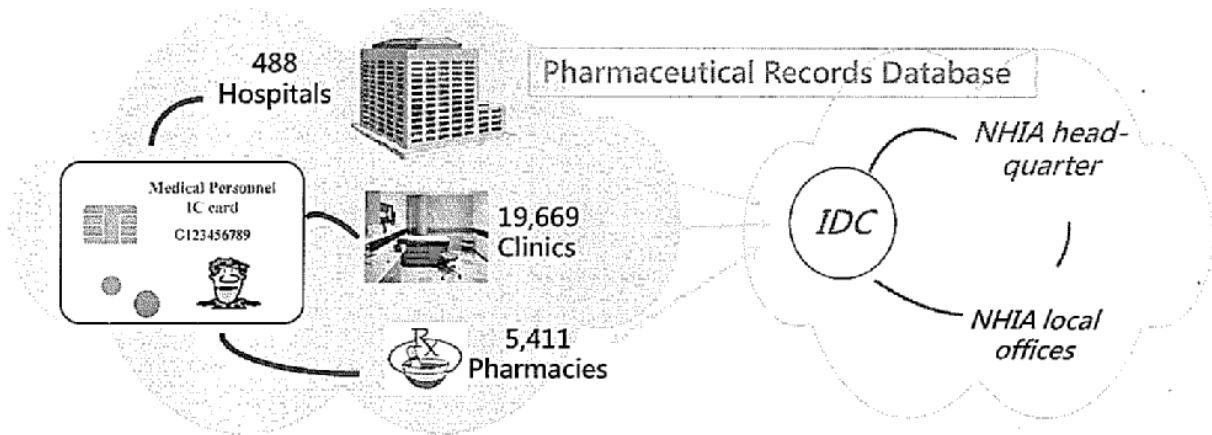
Order Quantity



-Pharma Cloud-



The NHI Pharma Cloud



- ✓ A patient-centered medication information system established in July 2013
- ✓ Information updated on a rolling daily basis
- ✓ Allowing practitioners to view real-time medication records with patient's consent
- ✓ Subject to strict privacy and security through VPN network

27



Inquiry Platform

Insert the medical personnel IC card and enter password (PIN code)

28



Inquiry Page of Hospital

健保雲端藥歷系統查詢結果

1. 本系統資料不含自費藥品且藥品名稱可能縮排；資料傳輸會有24~48小時之時間差。2. 建議採向病人詢問藥劑師用藥情形，方能掌握病人所有用藥情形。
3. 本系統呈現之「日期」欄位係依健保雲端藥歷系統查詢結果，僅供參考，實際以醫院內院藥歷系統為主。

身分證號： Z299***965

查詢其他保險對象健保卡資料：

ATC5名稱: [全部] 藥品名稱: [全部] 就醫區間: [全部] 餘藥: [全部]

ATC5名稱: [全部] 藥品名稱: [全部] 就醫區間: [全部] 餘藥: [全部]

藥品名稱: [全部] 全部 全部 全部 全部

項次	來源	主治類	ATC5名稱	成分名稱	藥品健保代碼	藥品名稱	藥品規格	用法用量	就醫日期 (住院開藥起日)	復診至領藥日 (住院開藥迄日)	藥品用量	給藥日數	單筆給藥日數計算
1	醫院	SECONDARY SYMPTOM OF SYM OR MANCLOS MEM BRANES	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	30mg/ml	IML	102/01/10		12	8	0
2	醫院	第二類(神經性止痛劑)類	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	30mg/ml	IML	102/01/10		12	8	0
3	醫院	PRIMARY TUBERCULOUS COMPLEX TUBERCLE IN GILL NOT FOUND BY BA CTERIOLOGICAL EXAMIN ATION BUT TUBERCULO SIS CONFIRMED HISTOL OGICALLY	Fluoroquinolones	Mexifloxacin	AG19799212	Pyridoxal Phosphate Injection "Ta Yu"	50mg/ml	IML	102/07/01	102/07/01	56	4	0
4	醫院	結核菌(非結核)引起之肺病及肺外組織感染	Fluoroquinolones	Mexifloxacin	AG19799212	Pyridoxal Phosphate Injection "Ta Yu"	50mg/ml	IML	102/07/01	102/07/01	56	4	0
5	醫院	結核菌(非結核)引起之肺病及肺外組織感染	Fluoroquinolones	Mexifloxacin	AG19799212	Pyridoxal Phosphate Injection "Ta Yu"	50mg/ml	IML	102/07/01	102/07/01	56	4	0

1. Search criteria can be set.
2. "ATC5 name", "Drug name", "Date of consultation", "Remaining drugs" can be selected to set search criteria.

"No content available" will be displayed if the patient has no drug history

健保雲端藥歷系統查詢結果

1. 本系統資料不含自費藥品且藥品名稱可能縮排；資料傳輸會有24~48小時之時間差。
2. 建議採向病人詢問藥劑師用藥情形，方能掌握病人所有用藥情形。

身分證號： Z299***965

查詢其他保險對象健保卡資料：

ATC5名稱: [全部] 藥品名稱: [全部] 就醫區間: [全部] 餘藥: [全部]

查無資料



Pharma Cloud Query Result

source active ingredient drug code drug name date of prescribing date of dispensing day

健保雲端藥歷系統查詢結果

1. 本系統資料不含自費藥品且藥品名稱可能縮排；資料傳輸會有24~48小時之時間差。2. 建議採向病人詢問藥劑師用藥情形，方能掌握病人所有用藥情形。
3. 本系統呈現之「日期」欄位係依健保雲端藥歷系統查詢結果，僅供參考，實際以醫院內院藥歷系統為主。

身分證號： Z299***965

查詢其他保險對象健保卡資料：

ATC5名稱: [全部] 藥品名稱: [全部] 就醫區間: [全部] 餘藥: [全部]

ATC5名稱: [全部] 藥品名稱: [全部] 就醫區間: [全部] 餘藥: [全部]

藥品名稱: [全部] 全部 全部 全部 全部

項次	來源	ATC5名稱	成分名稱	藥品健保代碼	藥品名稱	數量	日期 (住院開藥起日)	復診至領藥日 (住院開藥迄日)	藥品用量	給藥日數	單筆給藥日數計算
1	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/01/10		8	0	
2	醫院	Fluoroquinolones	Mexifloxacin	AG19799212	Pyridoxal Phosphate Injection "Ta Yu"	56	102/07/01	102/07/01	4	0	
3	醫院	Fluoroquinolones	Mexifloxacin	AG19799212	Avexol Infusion Solution 400mg/250ml	56	102/01/01		4	0	
4	醫院	Fluoroquinolones	Mexifloxacin	AG19799212	Avexol Infusion Solution 400mg/250ml	8	102/02/20		1	0	
5	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/01/10		8	0	
6	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/01/14		8	0	
7	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/01/22		8	0	
8	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/02/10		8	0	
9	醫院	Solutions Affecting The Electrolyte Balance	Sodium Chloride	AC48699209	Ketlac Injection 30mg/ml (Ketorolac)	12	102/02/14		8	0	

59



Pharma Cloud Benefits

- Offer comprehensive medication information to healthcare professionals to provide patients with high quality care
- Prevent duplication of prescriptions and prescription fraud
- Protect patients from drug interactions and dosage errors
- Save the cost of drug expenditure

31



Development and applications

- Upgrade the bandwidth of the VPN
- Continuous improvement of system stability and inquiry efficiency
- Allow the information to be downloaded into hospitals' system if patient's consent was obtained.
 - Integrate patients' allergy history and drug interaction alarm check into the HIS system of hospitals
- The application of the system will be gradually expanded
 - **2,459 hospitals and clinics** have the access to the system so far and increases continuously.
 - **2,492,698 patients** were inquired until **September 2014**.

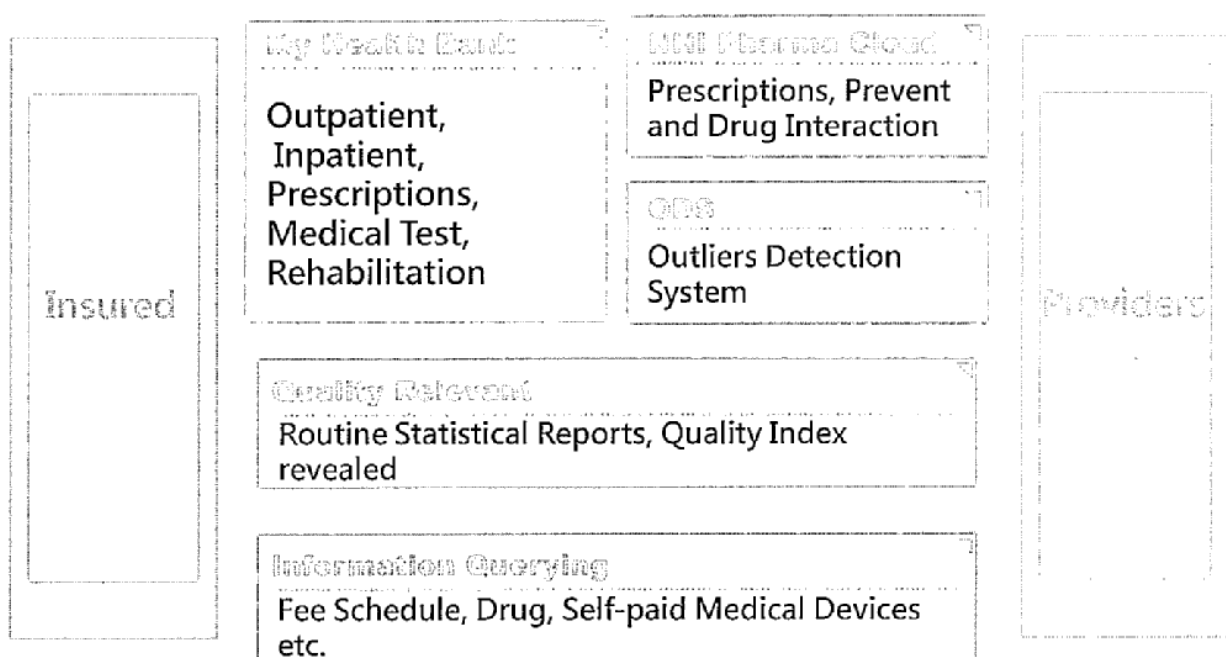
60

32

Future Perspectives

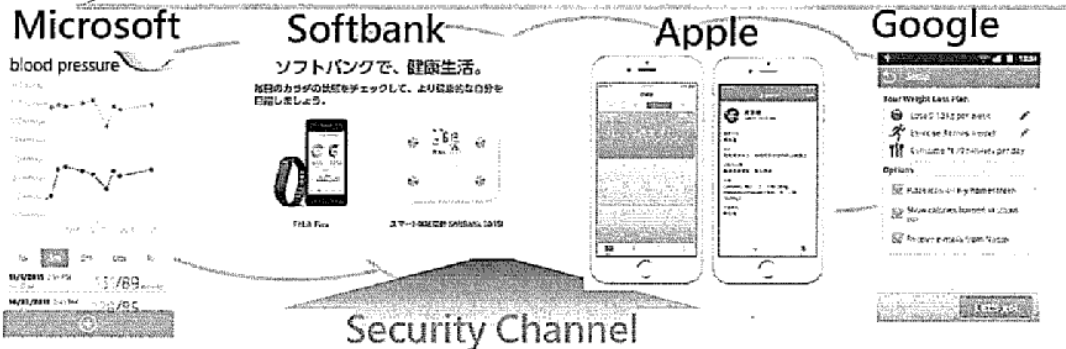


Solution for Healthcare

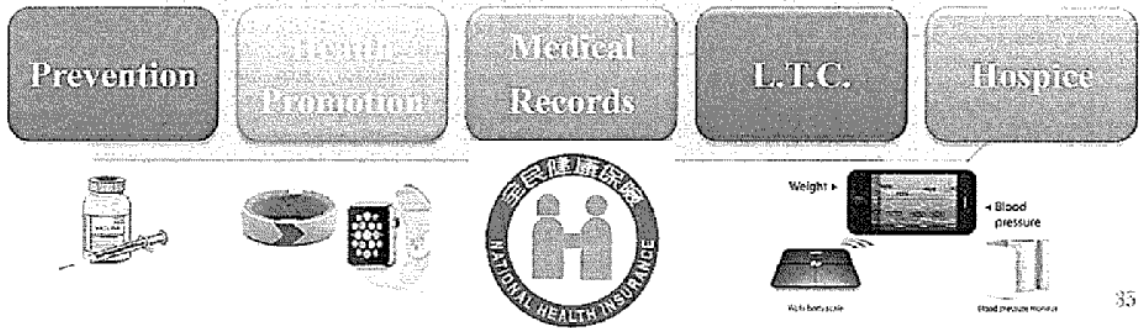




Next step in the Healthcare



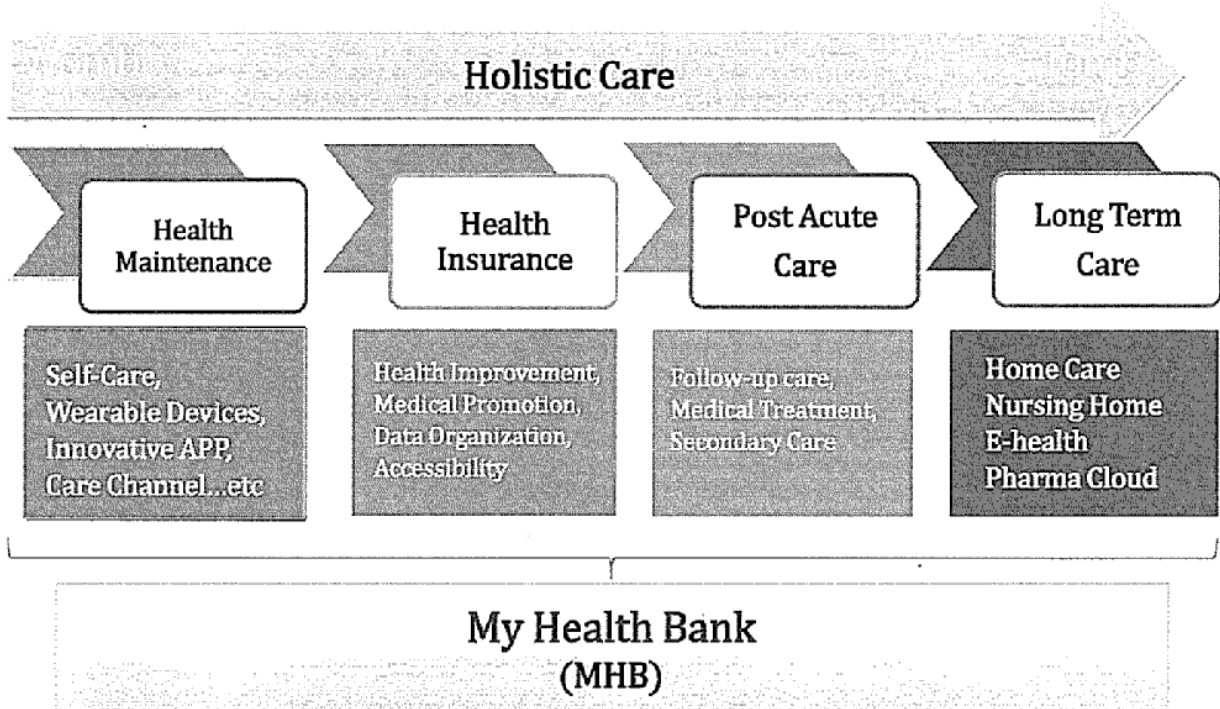
Healthcare Platform



35



Vision to Holistic Care

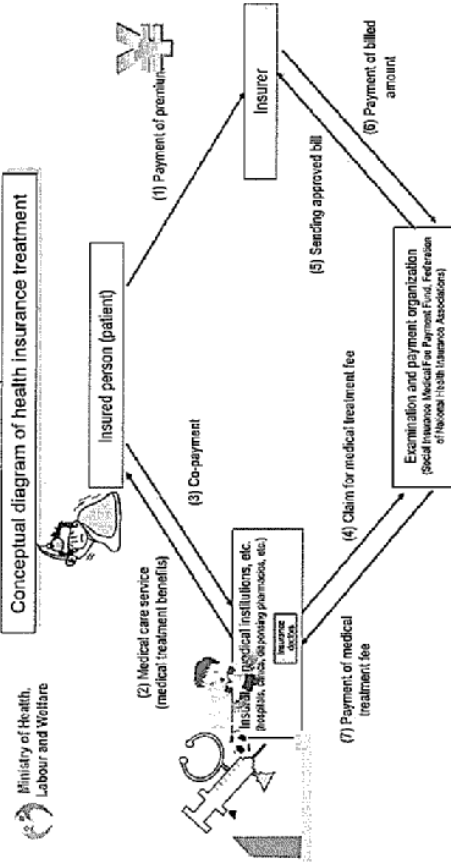


A Measure to Ensure Transparency and Efficiency in Drug Pricing System

31 October, 2014

Shinichi TAKAE
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Ministry of Health, Labour and Welfare



- Medical treatment fee is classified into medical, dental and dispensing fee.
- Specifically, medical fee is calculated by adding the scores given to individual medical actions that were provided, converting 1 point to 10 yen, in principle (so called, "fee-for-service system").
- For example, when a patient is hospitalized for appendicitis, the first visit fee, hospital fee according to the number of days of hospitalization, surgery fee for appendicitis, test fee, drug fee, etc. are added. The insurance medical institution will receive the total amount less the co-payment charged to the patient from the examination and payment organization.

What is adequacy of drug reimbursement price?

- Requirements for reimbursement price specified in drug price standard
 - (1) Compensation of actual expense for medical institutions including hospitals and pharmacies that purchased drugs
 - (2) Reimbursement price must be fair and adequate.

Revision of price for already listed drugs

Bulk-line system

1992

Pricing focused on (1)

Prevailing market price system (weighted average, fixed price range)

Pricing focused on (2)

Assuming "market price = fair and adequate price"

Outline of current drug price standard system

- Drug price standard specifies the prices of drugs used for the payment by medical insurance to insurance medical institutions or insurance pharmacies (insurance medical institutions, etc.).
- ➡ The prices should be appropriate.
- Drug price standard is based on "The Standard for Drug Pricing" developed by Central Social Insurance Medical Council on February 12, 2014 and announced by the Minister of Health, Labour and Welfare.

The actual purchase prices paid by medical institutions and pharmacies (prevailing market prices) are surveyed (drug price survey) and the prices specified in the drug price standard are revised periodically based on the results of the survey.

II

Roughly biennially, recently

Timing of listing of new drugs

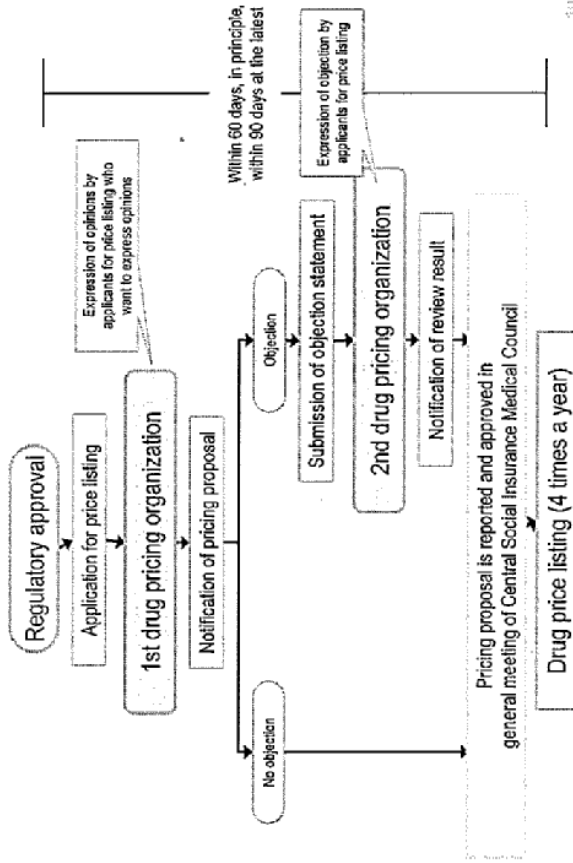
○ Basic rules

- Four times a year for new drugs (within 60 days in principle, within 90 days at the latest)
- Twice a year for report products and new kit products
- Twice a year for generics

● Timing of listing

	4 times a year	February, May, August, November (corresponding to approval timing based on Pharmaceutical Affairs Law)
New drugs		
Report products New kit products	Twice a year	May, November
Generics	Twice a year	June, December

Pricing process of new drugs



Recent status of listing of generics

Listing date (announcement date)	Deadline of application for listing (deadline for approval)	Number of listed products
November 28, 2011	August 5, 2011 (July 15, 2011)	521
June 22, 2012	March 1, 2012 (February 15, 2012)	519
December 14, 2012	August 22, 2012 (August 15, 2012)	595
June 21, 2013	February 25, 2013 (February 15, 2013)	715
December 13, 2013	August 23, 2013 (August 15, 2013)	694
June 20, 2014	February 25, 2014 (February 17, 2014)	454

Organizations of Central Social Insurance Medical Council involved in drug pricing

General meeting (started in 1950)



Special Committee on Drug Prices (formed in 1990)

- Investigates and deliberates specialized matters related to the reform of drug pricing system
- Prepares drug price standard and report to the general meeting biennially

Drug Pricing Organization (formed in 2000)

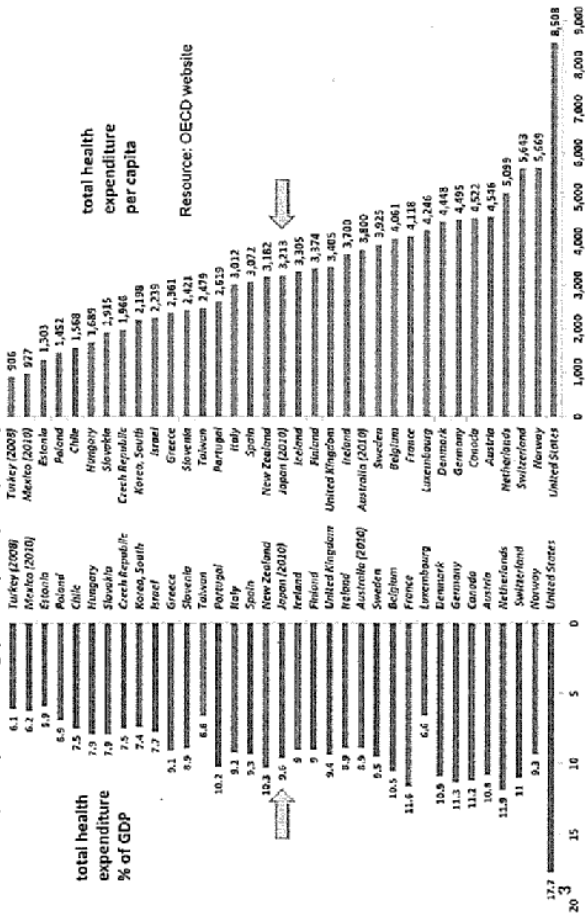
- Consists of experts of medicine, dentistry, pharmaceutical sciences and medical economics
- Examines the following for individual products in accordance with drug pricing rule and report to general meeting
 - Pricing of new drugs (listed 4 times a year)
 - Examination of premium rate for re-pricing following market expansion, etc. (every 2 years)
 - Others (examination of drug classification, etc.) (as needed)
- Summarizes opinions for reform of drug price system and report to Special Committee on Drug Prices (every 2 years)

EFFICIENCY AND TRANSPARENCY IN PRICING

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(NHIA), TAIWAN

2014/10/31

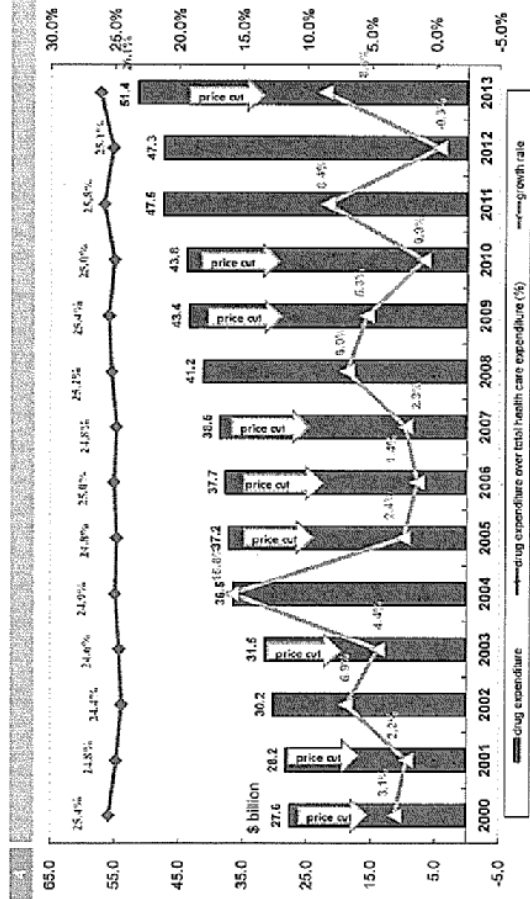
2011 Total Health Expenditure per Capita (US\$ purchasing power parity-adjusted)



Outline

- Drug Expenditures Statistics
- Drug Payment System
- Pharmaceutical Benefits and Reimbursement Schedule (PBRs)
- Drug Listing and Pricing Rules
- Challenge and conclusion

Trend of NHI Drug Expenditures



Analysis of the Drug Expenses (2012)

Classification	Subtotal (\$ million)	Distribution of Prescriptions
Catastrophic disease	78.3	16.5%
Antineoplastic agents	14.7	3.1%
Drugs used in blood disease	12.7	2.7%
Drugs used in mental illness	39.3	8.3%
others	145.0	30.7%
subtotal	85.7	18.1%
Antihypertensive drugs	29.0	6.1%
Drugs used in diabetes	8.3	1.8%
Lipid modifying agents	104.0	21.9%
others	227.0	48.0%
subtotal	101.0	21.4%
Others	473.3	100%
Total		
Outpatient		
Chronic disease		

Drug Payment System

- Reimbursement for drugs is uniform nationwide and paid to the medical institution
- Fee-for-service
 - ✓ Reimbursement price per item* volumes prescribed
- Package payment
- Per diem
 - ✓ Chinese Medicines (\$30 NTD per day)
 - ✓ Clinics and Pharmacies (\$22 NTD per day, up to 3 days)

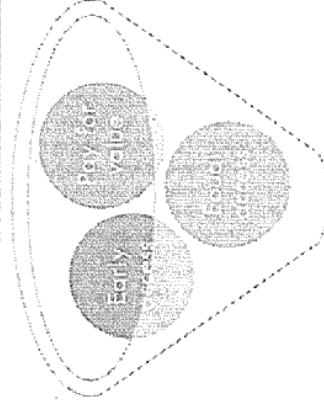
Outpatient Co-payment for Drugs

Drug Fee	Co-payment (NTD)	Drug Fee	Co-payment (NTD)
<=\$100 NTD	0	\$601~700	\$120
\$101~200	\$20	\$701~800	\$140
\$201~300	\$40	\$801~900	\$160
\$301~400	\$60	\$901~1000	\$180
\$401~500	\$80	>=\$1001	\$200
\$501~600	\$100		

Exemption:

1. Refillable prescriptions for patients with chronic illnesses
2. Dental services
3. Case payment services

Principle of medication policy



Patient-oriented health care

2nd generation NHI

- Implemented in 2012
- More transparent and predictive
 - Pharmaceutical Benefits and Reimbursement Schedule (PBRS)
 - as the principle for drug listing and fee schedule
 - PBRS Joint Meeting
 - composed of stakeholders to ensure decision making for drug listing and reimbursement

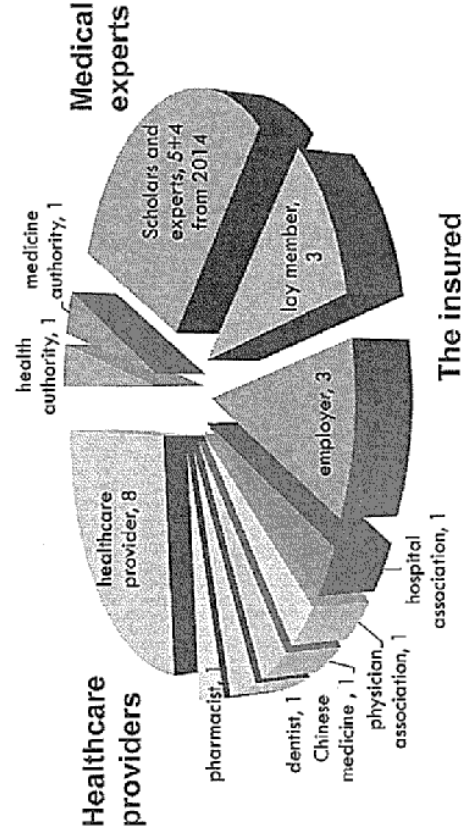
Difference between 1st & 2nd generation NHI

	1st generation NHI	2nd generation NHI
New drugs	Expert committee	PBRS Joint Meeting (stakeholder committee)
New items (same ingredient/function with existent drugs/medical devices)	Price decided by the insurer	Price suggested by the insurer then decided by PBRS Joint meeting
HTA		Starting from 2007 by CDE The NIHTA is established in 2013

Mission of PBRS Joint Meeting

- Make rules of drug listing
- Make principles of PBRS
- Decide to list & reimburse new drugs & medical devices
- Decide to list & reimburse new items with same ingredients or function of existing drugs or medical devices
- Review extension or change of existing PBRS items
- Other issue related to PBRS

Members of PBRS Joint Meeting



How to be a member?

- Health and medicine authority
 - assigned by competent authorities
- Scholars and experts
 - designated by insurer
- Employers (employer and its members)
 - recommended by related association then designated by insurer
- Healthcare provider
 - assigned by related association
- Pharmaceutical industry
 - 3 representatives may assigned by related association to seat in the PBRS Joint Meeting (although they have no right to vote for cases)

Transparency of decision making (1)

- Drug companies' representatives are allowed to make presentations at the Expert Advisory Meeting. Results of the initial review will be sent to the drug companies as well.
- PBRS Joint Meeting is composed of stakeholders and with three representing pharmaceutical industries sitting in.
- The agenda of the PBRS Joint Meeting and HTA report is made public 7 days before it meets.

Transparency of decision making (2)

- After meeting, the minutes, sound records, and interest disclosure declarations will be post on the NHIA website.
- If the suppliers did not agree with the preliminary price concluded by PBRS joint meeting, they can appeal for appraisal to give presentations at PBRS Joint Meeting before listing.

Around 16,700 items get listed by 2014

Factors of listing

- Safety
 - Efficacy
 - Relative effectiveness
 - Budget impact analysis
 - CBA/CEA/PE
 - Ethical/Legal/Social/Political Impact
- } NHIA

} TFDA

Pricing for brand drugs

Category	Pricing	Mark-ups
1	Median price of A-10 countries	<ul style="list-style-type: none"> • local clinical trials (10%) • local pharmaco-economic study (up to 10%)
2A	Capped at A-10 median price <ul style="list-style-type: none"> • lowest price in A10 • price in original country • international price ratio • treatment-course dosage ratio • a combination drug is priced at 70% of the sum of each ingredient's price, or at the price of the single active ingredient. 	<ul style="list-style-type: none"> • better therapeutic effects (up to 15%) • greater safety (up to 15%) • more convenient (up to 15%) • pediatric preparations with clinical implications (up to 15%)
2B		

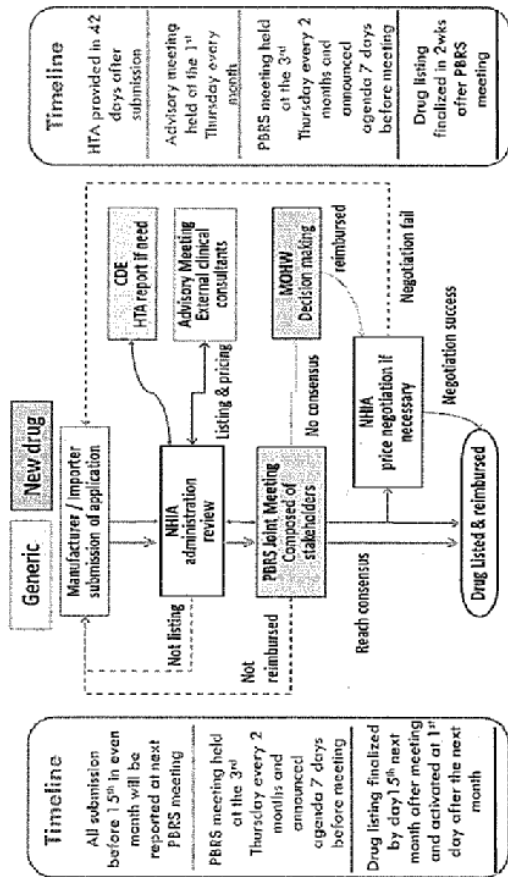
A-10 reference countries

Country	Source of Reference	Pricing Structure
US	Red Book (not official publication)	Wholesale price
Japan	Drug price baselines (official website)	Ex-factory price + wholesale premium + drugstore premium + value-added tax
UK	NHS Prescription Service (official website)	Ex-factory price + wholesale premium
Canada	Saskatchewan Formulary (official website)	Wholesale price
Germany	ROTE LISTE (official website)	Ex-factory price + wholesale premium + drugstore premium + value-added tax
France	Base des Médicaments et Informations Tarifaires (official website)	Ex-factory price + wholesale premium + drugstore premium + value-added tax
Belgium	Centre Belge d'Information Pharmacothérapeutique (official website)	Ex-factory price + wholesale premium + drugstore premium + value-added tax
Sweden	Farmaeutiska specialiteter i Sverige (official website)	Wholesale price + drugstore premium
Switzerland	Arzneimittel kompendium der schweiz (official website)	Ex-factory price + logistics premium (shared by wholesalers and drugstores) + value-added tax
Australia	Pharmaceutical Benefits Scheme (official website)	Ex-factory price + wholesale premium + drugstore premium + dispensing fees

Pricing for generics

- For the 1st generic
 - * BA/BE generic —90% of the price of originator
 - * General generic —80% of the price of originator
- The 2nd forward generics are priced at the lowest price of the same category of generics.
- Add incentives to drugs comply with PIC/S GMP and other quality conditions

Pharmaceutical listing & pricing flowchart



21

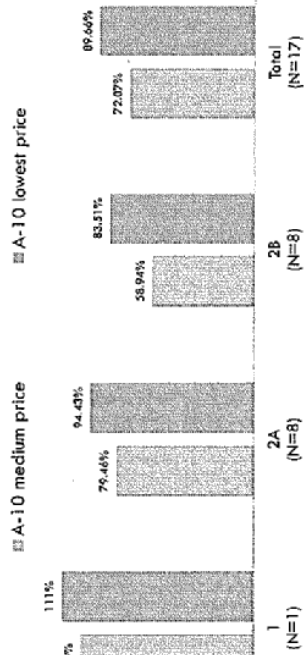
Difference of reviewing results

1 st NHTA		
2012		
Expert committee (items)		
Agree	Disagree	Total
66 (85.7%)	11 (14.3%)	77 (100%)

2 nd NHTA		
2013		
Expert committee (items)		
Agree	Disagree	Total
41 (71.9%)	0	41 (71.9%)
4	12	16 (28.1%)
Total	45 (78.9%)	12 (21.1%)
57 (100%)		

2014 (Jan. ~ Aug.)		
Expert committee (items)		
Agree	Disagree	Total
57	0	57 (86.4%)
4	5	9 (13.6%)
Total	61 (92.5%)	5 (7.5%)
66 (100%)		

Price of new drugs compared with A-10 reference countries



□ New drugs listed during 2013/1/1~2014/06/01, not including domestic and those new drugs at self-cut price

22

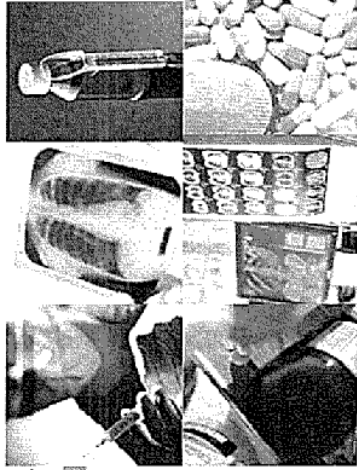
Challenges

- Process control of PBRB Joint Meeting
- Reallocation of global budget and budget impact concern from healthcare providers
- Unbalance of medical information between representatives of the insured and healthcare provider

23

Conclusions

- Multiple participation
 - Involve more stakeholders to join PBRS Joint Meeting
- Increase transparency
 - Announced agenda and HTA report before PBRS Joint Meeting
- Introduce budget impact analysis
 - Through implementing HTA to determine budget impact for reasonable reallocating resources



衛生福利部
中央健康保險署



THANK YOU

National Health Insurance (NHI) pricing formula in Japan

Improvement in methodology of pricing for new drugs and orphan drugs

October 31, 2014

Japan Pharmaceutical Manufacturers Association

Today's Topics

- Pharmaceutical industry of Japan
- Central Social Insurance Medical Council (CSIMC)
- Premium to promote the development of new drugs and eliminate off-label use
- NHI drug pricing formula for new drugs
- Recent cases
- Conclusion

Summary of pharmaceutical industry in Japan

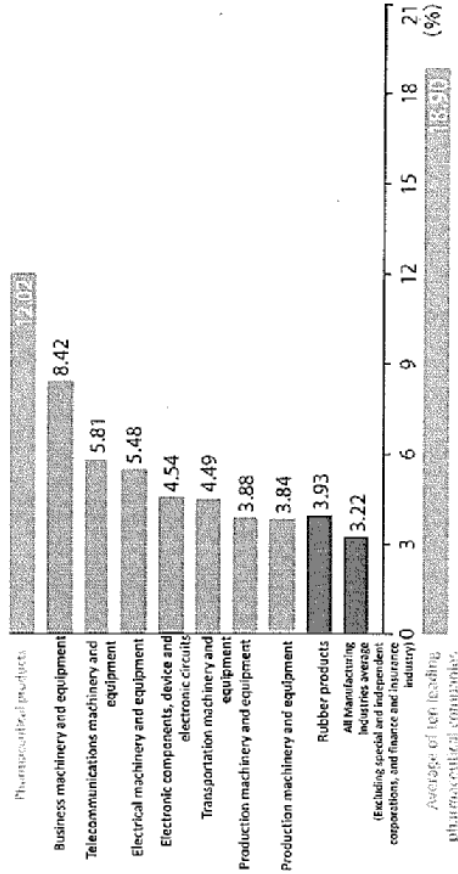
- **Number of pharmaceutical companies (2012 fiscal year)*¹**: 349
 - Japan Pharmaceutical Manufacturers Association (JPMA) member companies (Research and development-oriented companies): 72*⁴
- **Number of employees (2012 fiscal year)*¹**: 167,514
 - Vs total employees*²: 0.27%
- **Drug production revenue (2012 fiscal year)*³**: 6.9767 trillion yen
 - Production revenue versus GDP ratio: 1.48%
 - Prescription drugs value: 6.263 trillion yen (89.8%)

*¹: 2012 (Real Year Pharmaceutical and medical device industry Survey (Ministry of Health, Labour and Welfare)) *²: 2012 (Fiscal Year) Labor force survey (Ministry of Internal Affairs and Communications) *³: 2012 Statistics of Production by Pharmaceutical Industry (Ministry of Health, Labour and Welfare) *⁴: As on April 1, 2014

Source: Transform the contribution of the drug industry and drugs

Research and development investment of top key industries

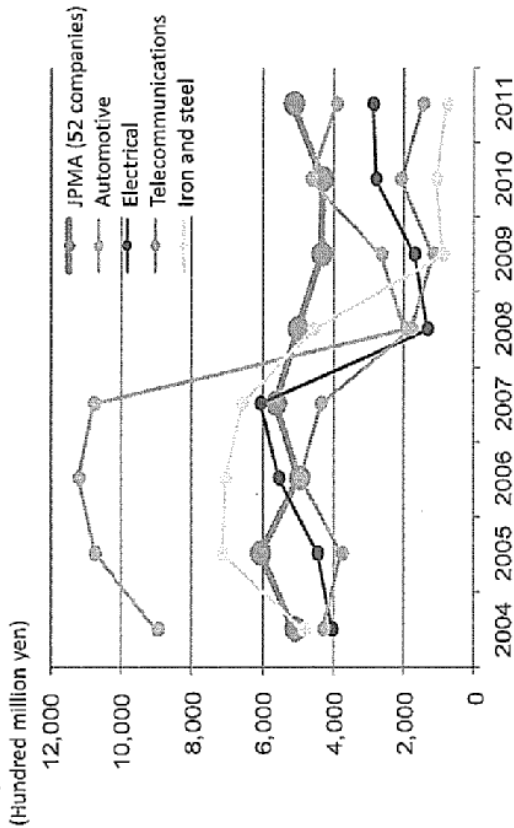
● Ratio of Sales to Research and Development Expenses (2010)



Source: Japan Pharmaceutical Manufacturers Association DATA BOOK 2012, JPMA

Stable high level tax bearing capacity

Transition of domestic tax payments of principal manufacturing industry



Source: Pharmaceutical Industry Vision 2013 Data Book; Ministry of Health, Labor and Welfare; Transformation

5

Innovative new drugs from Japan contributing to the world's health

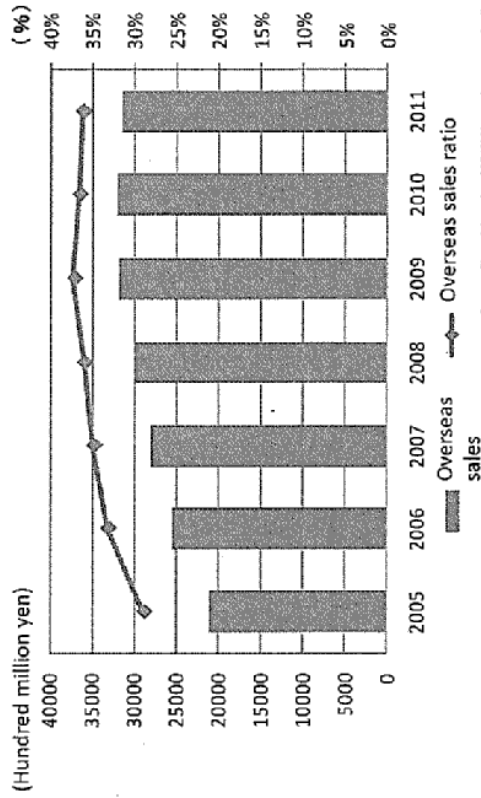
[Blockbuster products from Japan]

Position	Product name	Company name	Drug efficacy	Sales (bil. \$)		Expansion rate
				2012	2011	
1	Humira	Abbott / Eisai	Rheumatoid arthritis treatment	9,511	8,216	17.0%
2	Remicade	J&J / Merck / Tsumoto	Rheumatoid arthritis treatment	9,117	8,969	1.7%
3	Enbrel	Amgen / Pfizer	Rheumatoid arthritis treatment	8,512	7,877	8.1%
4	Serecilic / Advair	GSK	Anti-asthma drugs	8,023	8,148	-1.5%
6	Crestor	Shionogi / AZ	Hypolipidemic agent	6,722	7,043	-4.6%
7	Lantus	Sanofi	Diabetes treatment drug	6,379	5,451	17.0%
10	Abilify	Otsuka / BMS	Schizophrenia treatment drug	5,433	5,102	6.5%
27	Biopress / Macand	Takeda / AZ	Hypertension treatment drug	3,271	3,228	1.3%
30	Olmesartan	Daichi Sankyo	Hypertension treatment drug	3,144	3,037	3.5%
41	Luprin / Lupron	Takeda / Abbott	Anti-cancer agents	2,250	2,327	-3.3%
42	Aciphex / Pariet	Eisai / J&J	Anti-ulcer agents	2,218	2,711	-18.2%
43	Actos	Takeda	Diabetes treatment drug	2,112	4,162	-49.3%
48	Prograf	Astellas	Immunosuppressive agent	1,917	1,991	-3.7%
61	Aricept	Eisai	Alzheimer's treatment drug	1,546	2,534	-39.0%
69	Takepron / Prevacid	Takeda	Anti-ulcer agents	1,440	1,512	-4.8%
80	Vesicare	Astellas	Hyperactive bladder drug	1,302	1,180	10.3%
100	Mohrus / Tape / Pap	Hisamitsu	Anti-inflamatory agent	1,067	1,054	0.3%

Source: "International Drug Information" (April 8, 2013 issue)

7

Overseas sales and transition of overseas ratio for Japanese companies



Source: Financial results of 27 JPMA member companies listed on the Tokyo Stock Exchange (TSE)
Prepared by: Office of Pharmaceutical Industry Research, Japan Pharmaceutical Manufacturers Association

Pharmaceutical Industry vision 2013

6

Central Social Insurance Medical Council (hereinafter referred to as CSIMC)

The price of new drugs is discussed and determined in a place open to the public called CSIMC.



CSIMC general meeting (January 22, 2014)

CSIMC members list (As on August 27th, 2014)

1. Payment side committee members

- 矢内 邦夫(全国健康保険協会東京支部長)
- 白川 修二(健康保険組合連合会専務理事)
- 花井 圭子(日本労働組合総連合会 総合政策局長)
- 花井 十伍(日本労働組合総連合会「患者本位の医療を確立する連絡会」委員)
- 石山 恵司(日本経済団体連合会社会保険委員)
- 田中 伸一(全日本海員組合副会長)
- 榑原 純夫(愛知県半田市市長)

2. Medical side committee members

- 鈴木 邦彦(日本医師会常任理事)
- 中川 俊男(日本医師会副会長)
- 松本 純一(日本医師会常任理事)
- 万代 恭嗣(日本病院会常任理事)
- 長瀬 輝彦(日本精神科病院協会副会長)
- 堀 憲郎(日本歯科医師会常務理事)
- 安部 好弘(日本薬剤師会常務理事)

Drug pricing expert committee

Expert advisors

- 藤原 忠彦(長野県川上村長)
- 福井 トシ子(日本看護協会常任理事)
- 宮島 善文(日本臨床衛生後援会会長)
- 丹沢 秀樹(千葉大学医学部附属病院歯科・顎・口腔外科教授)
- 加茂谷 佳明(徳野薬製薬株式会社 常務執行役員)
- 土屋 裕(エーザイ株式会社代表取締役社長)
- 吉村 恭彰(株式会社アステム代表取締役社長)
- 昌子 久仁子(テール株式会社取締役 上席執行役員)

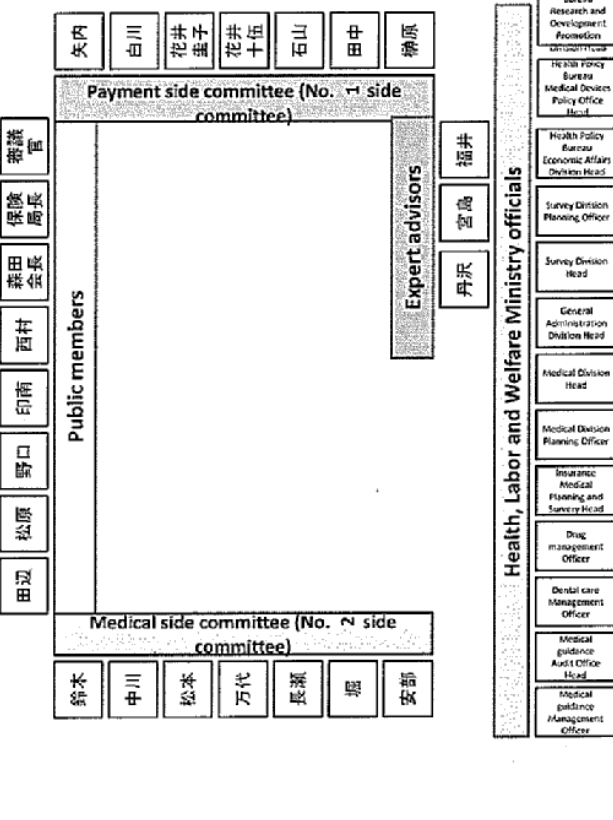
3. Public interest members

- 印南 一路(慶應義塾大学総合政策学部教授)
- 田辺 国昭(東京大学大学院法政学研究所教授)
- 西村 万里子(明治学院大学法学部教授)
- 野口 靖子(早稲田大学政治経済学術院教授)
- 松原 由美(明治安田生活福祉研究所主席研究員)
- 森田 朗(国立社会保険・人口問題研究所所長)

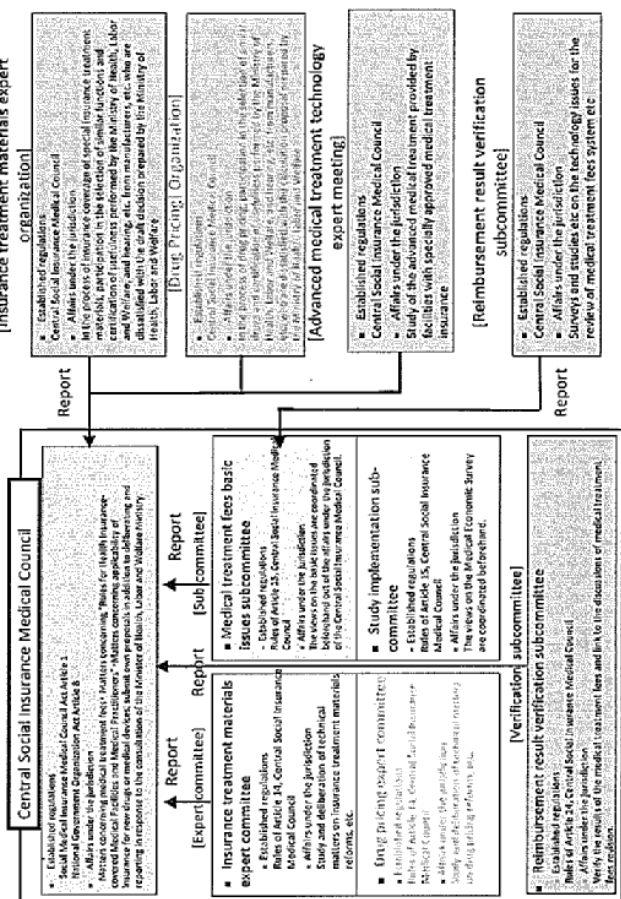
4. Expert advisors

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- 田村 誠(アポットジャパン株式会社ガバメント アフェアーズバイスプレジデント)
- 十河 功二(株式会社イノメイツックス統括営業本部 本部長代理)

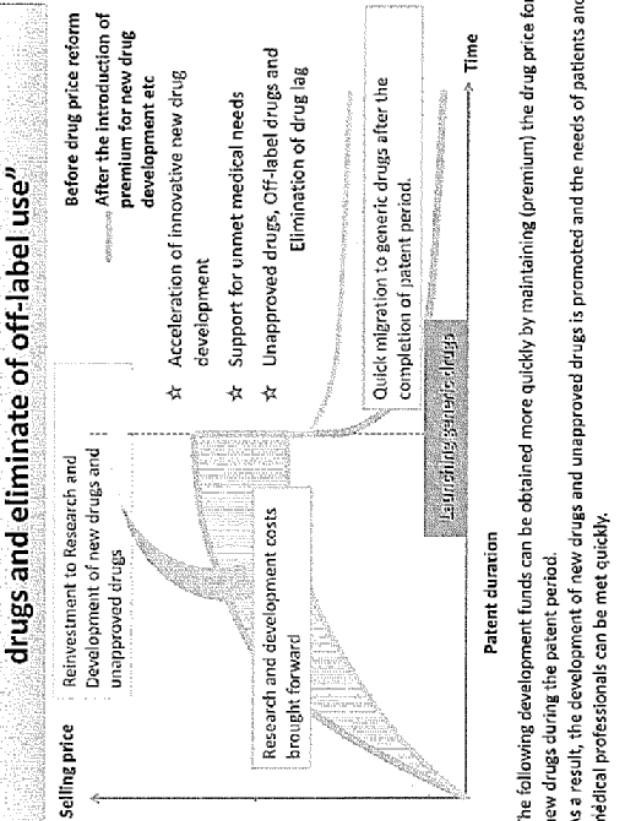
CSMIC General Assembly committee seating chart (As on October 8, 2014)



CSIMC organization chart



Concept of "premium to promote the development of new drugs and eliminate of off-label use"



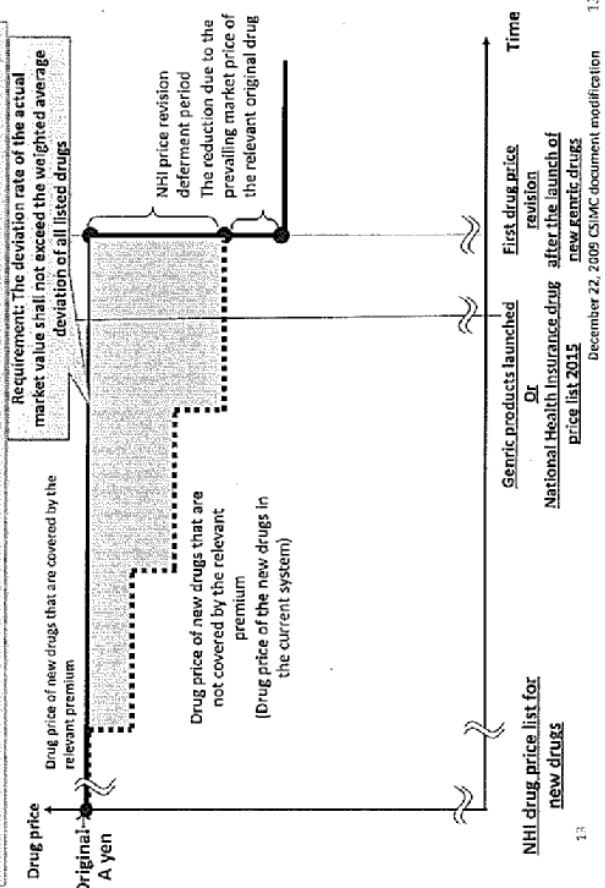
Current state of Japan's pharmaceutical market

Number of articles and market share based on the classification of drug price standard list items.

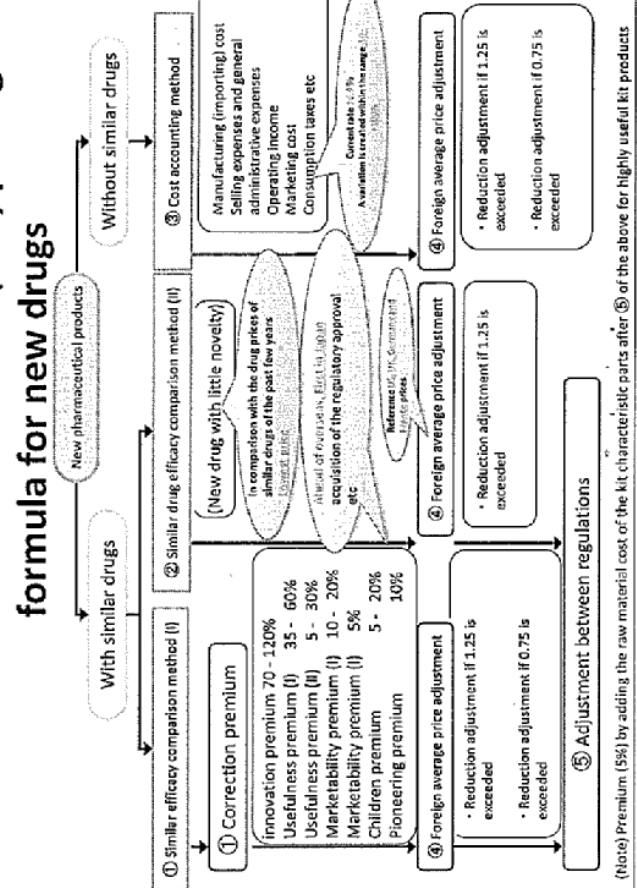
Original drug	Generic drug not available	Generic drug available	Other items
Number of items	2,074	1,562	3,629
Quantity Share	18.2%	31.2%	23.0%
Amount Share	49.3%	31.7%	8.0%

Source : Ministry of Health, Labor and Welfare Japan
 (Note) * Only number of items is as of April 2014
 * Volume and revenue shares are based on the quantity and drug price at the time of survey in September 2013
 * "Other items" are drugs (biologics) which have been approved before 1967 and cannot be separated into original drugs and generic drugs.
 * Share value need not be necessarily 100.0 since it is rounded off to 2 decimal places

Example for drug pricing of new drugs covered by premium to promote the development of new drugs and eliminate off-label use

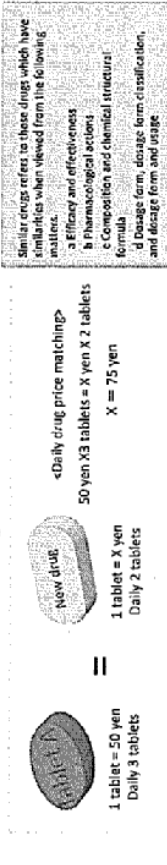


National Health Insurance (NHI) pricing formula for new drugs



① Similar drug efficacy comparison method (I)

~ Basic rules ~
 If similar drugs are available with same effectiveness, from the point of ensuring a fair competition in the market, the daily drug price is matched to the daily drug price of existing similar drugs. [Similar drug efficacy comparison method (I)]
 As a rule, new drugs that are within 10 years after NHI drug price listing for which generic drugs have not been listed are used as the comparison drugs.



A premium correction is done to the above amount if high usefulness is observed for the relevant new drug after comparison with the similar drug.
 (Innovation premium, Usefulness premium, Marketability premium, Children premium and Pioneering premium)

Innovation premium	70 - 120% method	New action mechanism, high efficacy and safety, and improvement of disease treatment method
Usefulness premium	5 - 30%	High efficacy and safety, and improvement of disease treatment method
Marketability premium	5%, 10 - 20%	Orphan drug etc.
Children premium	5 - 20%	Medicine pertaining to children have been explicitly included in the dosage and administration etc.
Pioneering premium	10%	Obtained regulatory approval in Japan ahead of overseas

Similar drugs refer to those drug which have similarities when viewed from the following matters.
 a Efficacy and effectiveness
 b Pharmacological actions
 c Composition and chemical structural formula
 d Dosage form, dosage form classification, and dosage form and usage

③ NHI drug pricing formula for new drugs

~ Special rules ~

- If there are no similar drugs, cost of the raw materials and manufacturing are added. [Cost accounting method]

(Example) ① Raw material cost
 ② Labor cost
 (= ① X 1.137 + ② X Working hours)
 (= ② X 3,599 + Note 2)
 ③ Manufacturing cost
 (= (④ + ⑤ + ⑥) X 0.462 + Note 2)
 ④ Selling expenses (research expenses)
 (= (⑦ + ⑧ + ⑨) X 0.169 + Note 2)
 ⑤ Operating income
 (= (④ + ⑤ + ⑥) + ⑦) X 0.068 + Note 2)
 ⑥ Marketing cost
 (8%)
 ⑦ Consumption tax

Strike a better balance for operating margin (current 16.9%) in the range -50 ~ +100% depending on the degree of innovativeness, usefulness and safety when compared with existing treatment

<Note 1> Labor cost unit price: "Monthly Labor Survey" (Ministry of Health, Labor and Welfare) Average from 2010 to 2012
 <Note 2> Labor expense ratio, selling expenses and general administrative expenses ratio, and operating margin:
 "Handbook of financial data of industries" (Japan Development Bank) 2010 - 2012 average
 <Note 3> "Marketing cost ratio: Survey of the Prescription Pharmaceuticals Industry of Japan" Economic Affairs Division, Health Policy Bureau, Ministry of Health, Labor and Welfare) 2010 - 2012 average
 As a rule the underlined values uses the average coefficient of pharmaceutical manufacturing industry (The most recent average value that can be obtained at the end of the previous fiscal year)

Specific case B

品名	規格	数量	単価	総額
原料				
労務				
製造				
販賣				
営業				
経費				
税金				
合計				

Pricing method: Cost accounting method
 Calculated drug price: 20mg 150,200 yen
 100mg 729,849 yen (Adult 50kg: 34,755 yen)

Operating margin:
 Average operating margin (16.9%) X 160% = 27.0%

<Basis>
 This drug has obtained regulatory approval in Japan ahead of the world, and has a new action mechanism with which it inhibits the proliferation of tumors by increasing the activation of cancer antigen-specific T cell and cytotoxic activity against cancer cells.

In the Japan Phase II trials, patients with advanced or recurrent malignant melanoma that cannot be subject to radical resection and with chemotherapy history which included Dacarbazine were covered, lower limit (13.0%) of the 90% confidence interval of the response rate (22.9%) for this drug based on the central review considered as the primary endpoint was above the threshold response rate (12.5%) which was set based on the clinical trial results of Dacarbazine, and the effectiveness was confirmed.
 In addition, it is considered reasonable to apply the 40% of the average operating margin since Interferon beta and Dacarbazine after approval in the mid 80's have been evaluated to be clinically significant as a treatment option for malignant melanoma.

(From the documents of CSIMC April 27th 2014)

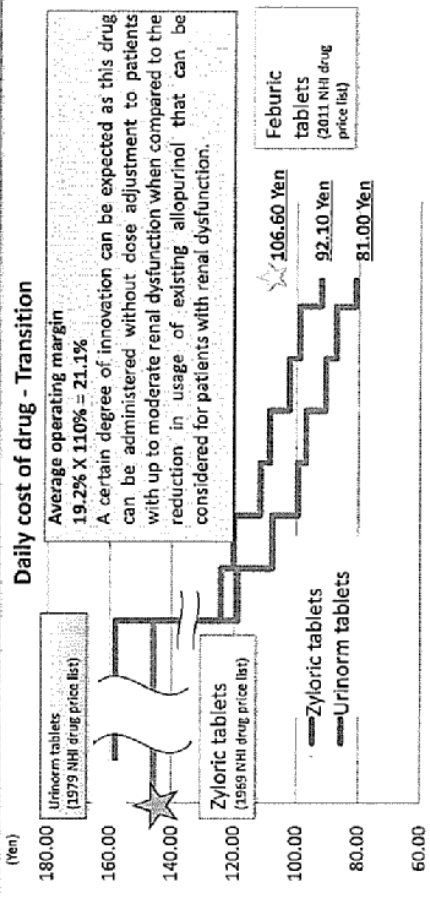
Specific case B

Brand Name: Opdivo drip injection 20mg/100mg
 Constituent name: Nivolumab (Genetical recombination)
 Efficacy and effectiveness: Malignant melanoma for which resection is not possible
 Calculation method: Cost accounting method Premium results: operating margin 60%
 (From the documents of CSIMC April 27, 2014)

品名	規格	数量	単価	総額
原料				
労務				
製造				
販賣				
営業				
経費				
税金				
合計				

Specific case C

■ Feburic tablets (Febuxostat) Efficacy and Effectiveness: Gout, hyperuricemia
 In this zone, no new drugs have been developed for almost 30 to 40 years following the listing of Allopurinol and Benzbromarone. This is a case in which the rule of "As a rule, new drugs that are within 10 years after NHI drug price listing for which generic drugs have not been listed are used as the comparison drugs" was applied and calculation has been done using the cost accounting format.

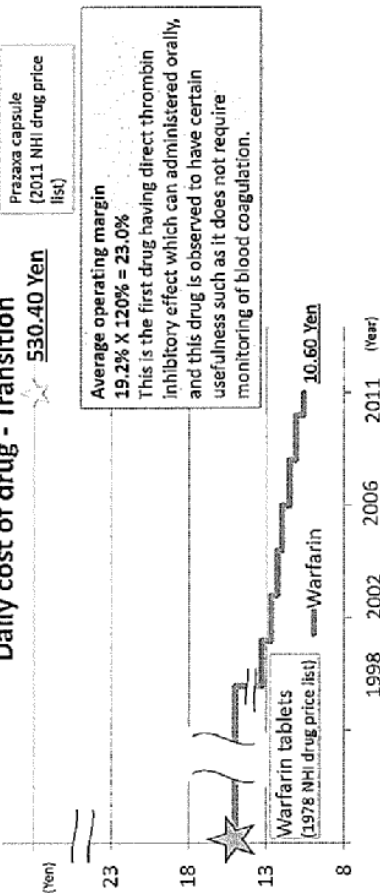


Specific case D

■ Prazaxa capsules (Dabigatran etexilate methanesulfonate)
Efficacy and Effectiveness: Inhibits the onset of thrombosis

In this zone, no new drugs have been developed for almost 30 years following the listing of the similar drug Warfarin potassium. This is a case in which the rule of "As a rule, new drugs that are within 10 years after NHI drug price listing for which generic drugs have not been listed" are used as the "comparison drugs" was applied and calculation has been done using the cost-accounting format.

Daily cost of drug - Transition



Conclusion

National Health Insurance (NHI) new drug pricing - Background

- Research and development type enterprises are present in Japan, the country is also boosting the development of Japanese companies from the point of view of industrial development
- The new drug development premium was proposed by the industry for the first time and it was introduced
- The drug prices for new drugs is calculated within the balance of the entire drug price system
- In principle, new drug prices are calculated matching to the prevailing market price (matched to the daily drug price)
- On the other hand, new drugs not in the long development zone are calculated without referring to the drug price of old pharmaceutical products
- Attempted to make the premium of usefulness system and adjustment premium of operating margin transparent

Policy for reimbursing orphan drugs

Shang-Ping Chen
 Researcher
 Division of Medical Review and
 Pharmaceutical Benefits
 National Health Insurance Administration
 (NHIA), Taiwan

The Rare Disease Prevention and Medication Act

- ▶ Promulgated in 2000 and became the 5th country to make a law especial for rare disease prevention in the world
- ▶ Aims of the act
 - To prevent the rare disease
 - To early detect rare disease
 - To enhance healthcare for rare disease patients
 - To support rare disease patients for necessary treatment and nourishment
 - To promote and protect the aforementioned R&D and suppliers






Outline

- ▶ The Rare Disease Prevention and Medication Act
- ▶ Organizations and statutory duties for rare disease prevention
- ▶ Designation of rare disease and orphan drugs
- ▶ Benefits of orphan drugs designation
- ▶ Reimbursement and logistic for orphan drugs
- ▶ Challenge and future vision

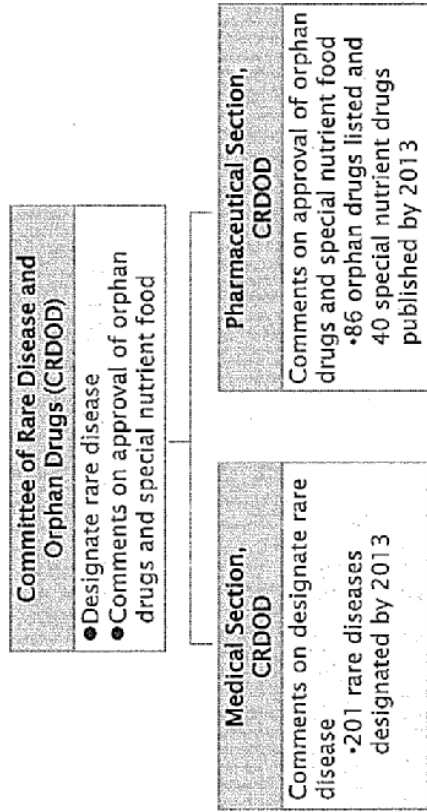


Organizations and statutory duties for rare disease prevention

MOHW		
 Health Promotion Administration	 Food and Drug Administration	 National Health Insurance Administration
<ul style="list-style-type: none"> ● Designation ● Prevention & promotion ● Medical subsidization ● R&D ● Regulation 	<ul style="list-style-type: none"> ● Designation ● Approval of orphan drugs ● Publication for special nutrient food ● Research promotion for orphan drugs research ● Regulation 	<ul style="list-style-type: none"> ● Reimbursement ● List in catastrophic disease field (Subsidized co-payment)



Determination of rare disease and orphan drugs



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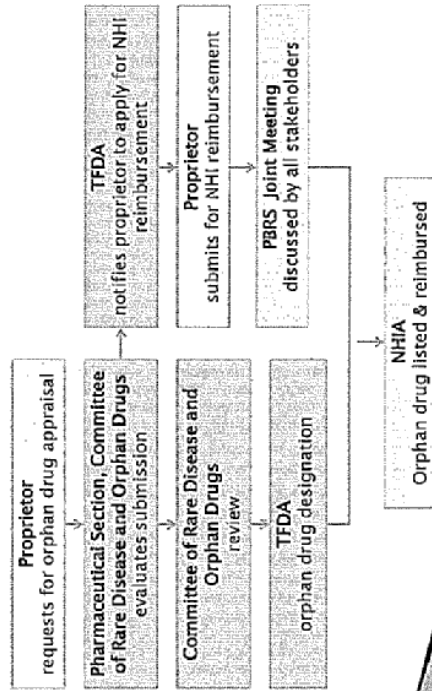
Benefits of orphan drugs designation

- › Reduce the fee for registration and review
- › Simplify approval procedures, ex. cancel the adopting certificate of A-10 countries
- › Drug certificate valid for 10 years, registration exclusive for same ingredients within terms
- › Special application for prior use is allowed before approval, NHI reimbursement is applicable as well

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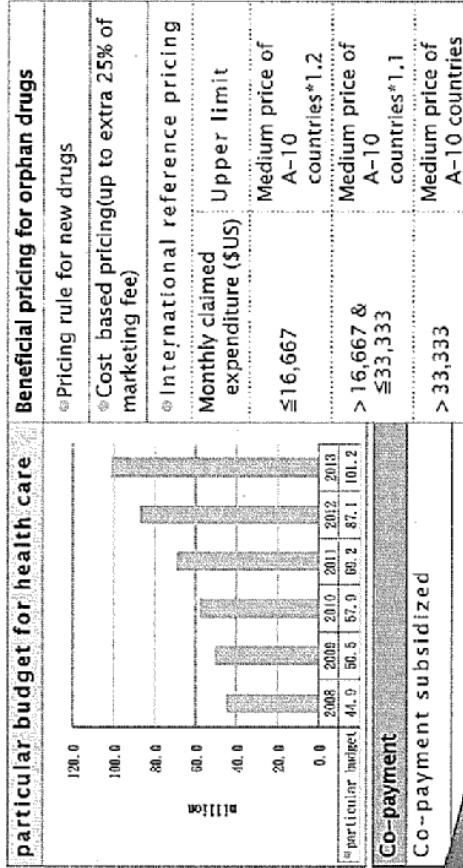
Processes of listing orphan drug



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Logistics for reimbursing orphan drugs



8



Reimbursement of orphan drugs(1)

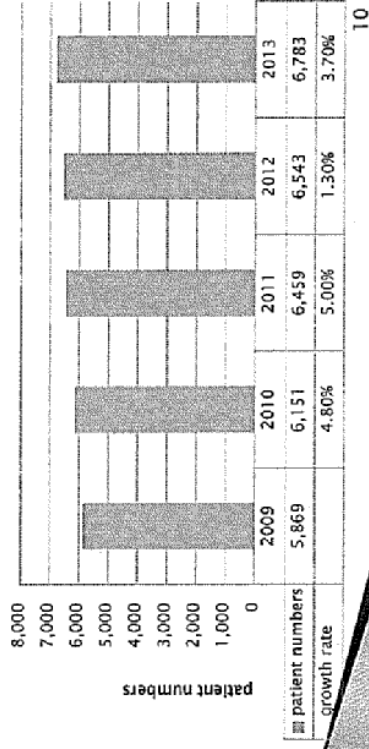
- ▶ 75 orphan drugs are reimbursed by NHI, 27 items of them (36%) without approval.
- ▶ The claimed expense of those items without approval is around 50 million, which is half of the total expense for orphan drugs.

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Reimbursement of orphan drugs(2)

- ▶ There are 6,783 rare disease patients in 2013, which is 0.029% of the insured (around 23 million population)

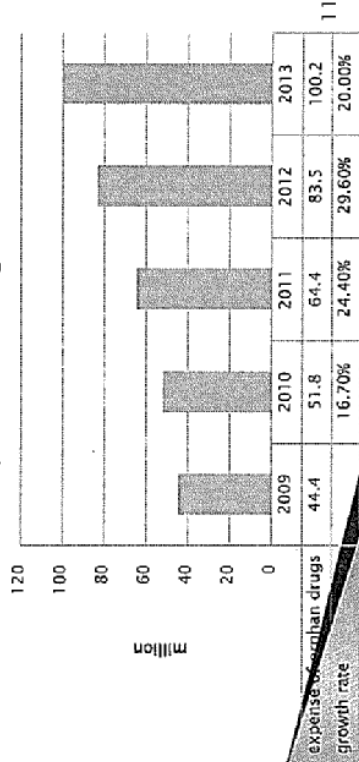


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Reimbursement of orphan drugs(3)

- ▶ The expense of orphan drugs is around 100 million in 2013, which is 1.2% of total healthcare expenditure.
- ▶ If we calculate the average personal premium as \$650 (NTD), we have already pulled premiums from 150 thousands insured to cover the expense of treating rare disease in 2013.



11



Challenges (1)

- ▶ Once the orphan drugs are designated, they are allowed to apply for reimbursement before approval. The suppliers are unwilling to complete the registration.
- ▶ 27 items of 75 orphan drugs reimbursed by NHI are still without approval. Only 4 of the 27 items are not approved in US, EU, Canada or Australia.

1
2



Challenges (2)

- ▶ Physicians and pharmacists can not get enough information of therapeutic effect and adverse effect of certain orphan drugs since the registration is not completed.
- ▶ The Drug Injury Relief Act is not applied for unapproved drugs, patient's right may be diluted in such case, and medical dispute may occur then.

1

3



Challenges (3)

- ▶ Monopoly market of orphan drugs
 - the drug company usually offers compassionate therapy before getting NHI reimbursed, and then cut supply afterward to raise humanity issues
 - Drug company appeals for increasing drug price.

1

4



Future vision

- ▶ Horizontal collaboration between medicine and insurance authorities
 - Simplify procedures to facilitate completing registration
- ▶ Principles for reimbursement
 - Reallocate budget
 - Conduct cost-effectiveness (ICER) analysis

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Thanks for your attention!

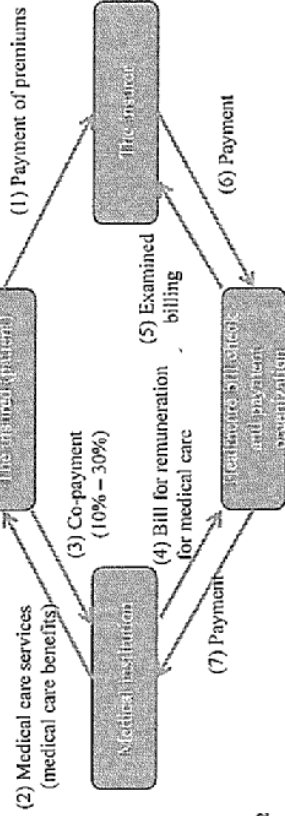
Separation of Dispensing and Prescribing Drugs in Japan

Katsuaki Ura
 General Affairs Division
 Pharmaceutical and Food Safety Bureau
 Ministry of Health, Labour and Welfare

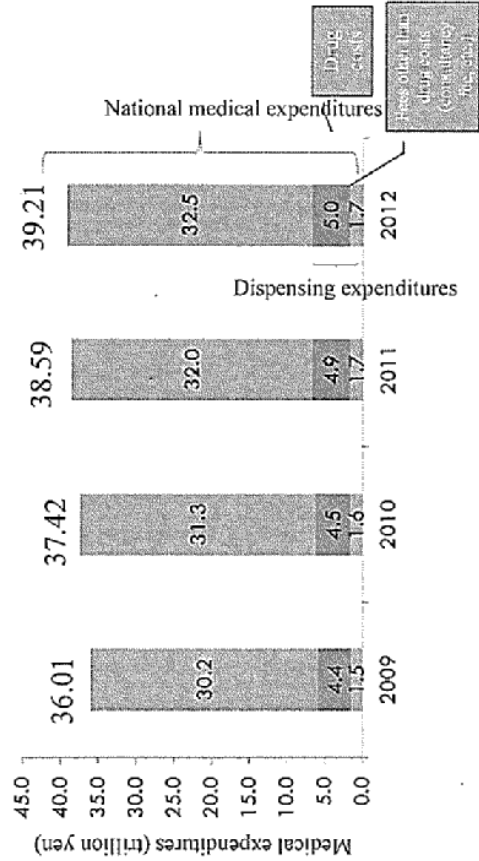
An Illustration of Health Care Services in Japan Provided by Health Insurance

- Remuneration for medical care is determined for each medical practice and paid based on the medical practice carried out. It is a so-called "fee-for-service system."
- Remuneration for medical care is broadly classified into medical, dental, and pharmaceutical.

Example: If hospitalized for your appendix, items such as the fee for the first medical exam, hospitalization charges according to the hospitalization period, surgery costs for the appendix, laboratory fees, and pharmaceutical charges are added up. The patient's co-payment is subtracted from that total, and the remaining sum is the amount the medical institution receives.



Shifts in National Medical Expenditures and Pharmaceutical Expenditures



Source: Medical expenditure totals/Dispensing expenditures: National Medical Expenditures (Ministry of Health, Labour and Welfare) Pharmaceutical charges for dispensing expenditures: Multiplication of dispensing expenditures by percentages of pharmaceutical charges in "Shifts in Recent Dispensing Expenditures (computerized processing)" (Ministry of Health, Labour and Welfare)

Legal Provisions

Medical Practitioners' Act (Act No. 201 of 1948) (excerpt)

Article 22 Where a medical practitioner finds it necessary to dispense and administer a medicine as a part of a patient's treatment, he/she shall issue a prescription to the patient or a person caring for the patient; however, this shall not apply where the patient or a person caring for the patient reports that it is not necessary to issue a prescription, or in any of the following cases:

- (i) - (vii) (omitted)

Pharmacists Act (Act No. 146 of 1960) (excerpt)

Article 23 A pharmacist may dispense medicine for the purpose of sale or provision thereof only according to a prescription issued by a medical practitioner, dental practitioner or veterinarian.

2 (omitted)

Separation of Medical Practice and Drug Dispensing

Objective:

Medical practitioners and pharmacists share duties in each specialization to improve the quality of medical treatment.

Process:

- (1) Medical practitioners provide medical services and issue prescriptions to patients.
- (2) On that basis, pharmacists at pharmacies dispense drugs based on those prescriptions.

Merits:

- (1) A medical practitioner can freely issue prescriptions without being restricted to the medicines he/she has on hand.
- (2) A patient can confirm the prescription contents because the prescription is issued to the patient.
- (3) A pharmacist can double check prescription contents from a position independent from the medical practitioner.
- (4) Even if a patient is seeking consultation at several medical institutions, it is possible to confirm the interaction of medicines and prevent overlapping medications by dispensing medications at a single pharmacy (regularly visited pharmacy).
- (5) Outpatient dispensing duties are reduced, and the ward activities of hospital pharmacists are expedited.

90 Details of Separation of Medical Practice and Drug Dispensing (1)

September 1949

- The following recommendations are issued by a delegation of the American Pharmacists Association
 - ▣ All possible efforts should be made toward the early realization of the separation of medical practice and drug dispensing through legal, educational, and other means.
 - ▣ The job of the medical practitioner should be restricted to diagnosis, issuance of prescriptions, and emergency administration of medicines.
 - ▣ The job of the pharmacist should be to secure superior medicines, lawfully store them, and fulfill prescriptions issued by medical practitioners.
- Later, a review was carried out by a "sanshikai," a consortium comprised of doctors, dentists, and pharmacists, but no conclusion was reached. An investigating committee was established within the Ministry of Health and Welfare.

(From Annotations to the Pharmacists Act 5th Revision (Jiho))

The Effectiveness of Separation of Medical Practice and Drug Dispensing (specific, easy-to-understand examples)

Case 1:

PL granulated medicine is prescribed to a patient receiving treatment for glaucoma. The prescription drug is cancelled due to questions about the prescription.

Case 2:

A medical examination is conducted because of recurring inflammation of the bladder, and a prescription issued. When previously examined, Meiacet was prescribed, but there was a drug rash and the prescription was changed to Cravit. Because the history of drug rash was overlooked and Meiacet was again prescribed, the pharmacist inquired about the prescription and it was changed to Cravit.



Regular pharmacy functions link to the provision of appropriate medicines to patients.

Details of Separation of Medical Practice and Drug Dispensing (2)

February 1951

- The following report was submitted by the investigating committee to the Minister of Health, Labour and Welfare.
 - ▣ Obligate medical practitioners and dental practitioners to issue prescriptions.
 - ▣ Drugs dispensed by pharmacists must be in accordance with a prescription from a doctor, dentist, or veterinarian.

June 1951

- The "law revising portions of the Medical Practitioners' Act, Dental Practitioners Act, and Pharmacists Act" (the so-called Separation of Medical Practice and Drug Dispensing Act) is established (enforced from April 1, 1956).

Why the Separation of Medical Practice and Drug Dispensing is Presently Advancing (1)

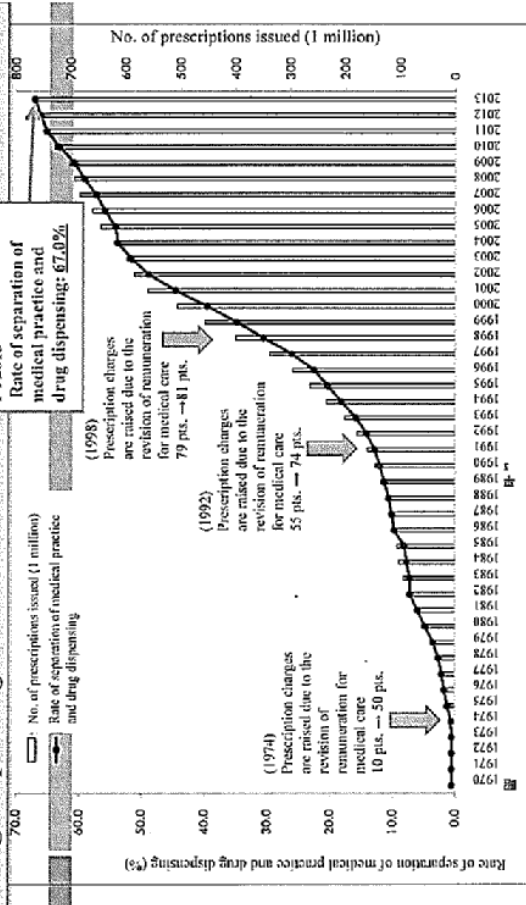
- October 1971
 - Based on the recognition that issues concerning the separation of medical practice and drug dispensing will not be resolved simply by the heretofore assertion of the forced division of labor, the Japan Pharmaceutical Association decided on a policy shift from forced division of labor to discretionary division of labor.
- May 1973
 - In the 1974 revision to remuneration for medical care,
 - Prescription charges were raised (10 pts. → 50 pts.), and a foundation was established to promote the separation of medical practice and drug dispensing, meaning the issuance of outside hospital prescriptions and dispensing of drugs at health insurance pharmacies.
- Even so, the separation of medical practice and drug dispensing did not thereafter advance to a great degree.
- In 1992 and 1998, prescription charges were raised.

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Why the Separation of Medical Practice and Drug Dispensing is Presently Advancing (2)

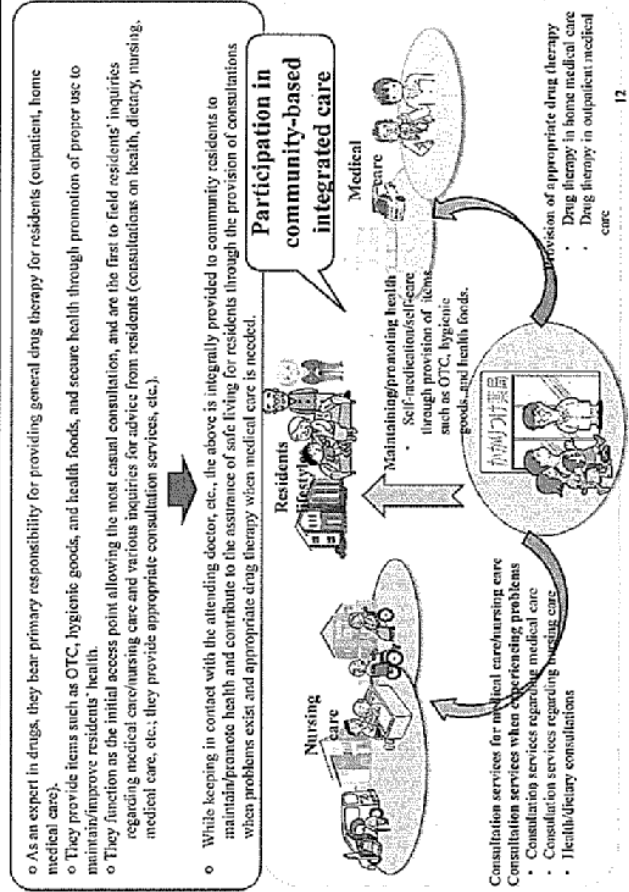
- From 1975
 - There was a growing opinion denouncing medical treatment that overprescribes medicines, and it was pointed to as the source of price disparities in medicines.
- Therefore, the Ministry of Health, Labour and Welfare successively reviewed the methods for drug price revisions from the 1980s. Drug price disparities were reduced, and doctors' technical fees were raised.
 - Drug price disparities (estimated rate of deviation)
 - 1991: 23.1%
 - 2009: 8.4%
- As a result, the issuance of outside hospital prescriptions gradually advanced.

Annual Shifts in the Rate of Separation of Medical Practice and Drug Dispensing



* Rate of separation of medical practice and drug dispensing (%) = No. of prescriptions issued (No. received at pharmacies) / No. of days of medical consultations (outside of hospitalization) × Rate of prescribed medical medicines × 100
 consultations × Rate of prescribed medical medicines × 100

An Illustration of the Functions of Pharmacies/Pharmacists in the Community-based Integrated Care System



Publication of Desired Functions in Pharmacies and Their Ideal Form

- "Desired Functions in Pharmacies and Their Ideal Form" was compiled by a Ministry of Health, Labour and Welfare Grants-in-Aid* project as a guideline for the promotion of the best regularly-visited pharmacies based on changes in recent social circumstances (published by the Japanese Society of Pharmaceutical Health Care and Sciences (JSPHCS), January 2014).
- *Assessment Study on Team Medical Care Undertaken by Pharmacies, Studies on Regional Medical Care and Outcomes" (Primary Researcher: Mitsuo Yoshida, professor, Tokyo Medical and Dental University, Department of Hospital Pharmacy, University Hospital of Medicine, president, JSPHCS)
- The Ministry of Health, Labour and Welfare also made the above known to each municipality.
- Major points

Basic concept regarding desired functions in pharmacies/pharmacies

1. They are expected to bear responsibility for medical care offering optimum drug therapy.
 2. From the perspective of ensuring/improving the quality of medical care and ensuring the safety of medical care, they are called on to proactively engage in team medical treatment in collaboration with medical facilities, etc.
 3. In home medical care, they should ensure/enhance systems in the community that supply medicines, etc. and provide suitable support for taking medicines.
 4. They are called on to not only fulfill the role as a base offering medicines and medical care/hygienic goods, but also more actively contribute to the promotion of generic drug usage, and the optimization of medical care that eliminates unused medications.
 5. To promote self-medication, they should actively execute the role of serving as a base for community-based health information.
 6. They should take responsibility for overall pharmaceutical management based on lifestyle habits, rather than just a patient's medical history.
- ⇒ This indicates matters under a basic concept that should be ensured or taken on in regard to fundamental systems that pharmacies should provide and the ideal state of pharmaceutical management.

* Regrading publication of "Desired Functions in Pharmacies and Their Ideal Form," Japanese Society of Pharmaceutical Health Care and Sciences

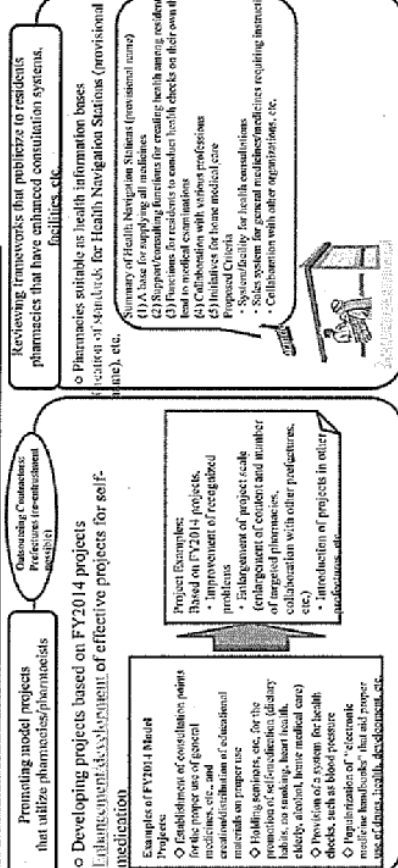
<http://www.jspahcs.jp/conv/140107-1.html>

Promoting Health Information Bases that Utilize Pharmacies/Pharmacists

Requested Amount for FY2015: 250.795 million yen

• Revised Japan Revitalization Strategy 2014 mid-to-short term progress schedule (June 24, 2014 Cabinet decision: *Drug abuse (over-the-counter medicines, etc.)*)

(1) Promote self-medication that utilizes pharmacies/pharmacists.
 (2) Review a framework that publicizes to residents pharmacies that have enhanced consultation systems, facilities, etc.



Nationally develop even more effective initiatives to promote self-medication among Japanese by enabling citizens to easily access Health Navigation Stations (provisional name).

Primary Functions Desired in Pharmacies

1. Basic functions
2. Functions related to drug therapy/ pharmaceutical management

