

2014 50th Annual Meeting

Current Status of Pharmaceutical Regulations and the direction of international collaboration in Taiwan

DIA 2014

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MEETING



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Director-General Food and Drug Administration Ministry of Health and Welfare Taiwan (TFDA) June 15-19, 2014 San Diego

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Outline

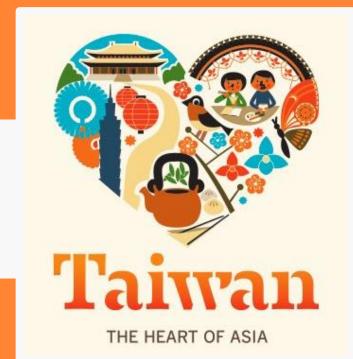
- Taiwan Profile
- Organization and Responsibility of TFDA
- Current Status of IND Regulation in Taiwan
- Current Status of NDA Regulation in Taiwan
- Current Status of Post-Marketing Management in Taiwan

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- Direction of International Collaboration
- Future Prospects

IND: investigational drug NDA: new drug application





Taiwan Profile



Taiwan Profile

- Area: about 36,000 sq.km. (14,400 square miles)
- Capital: Taipei City

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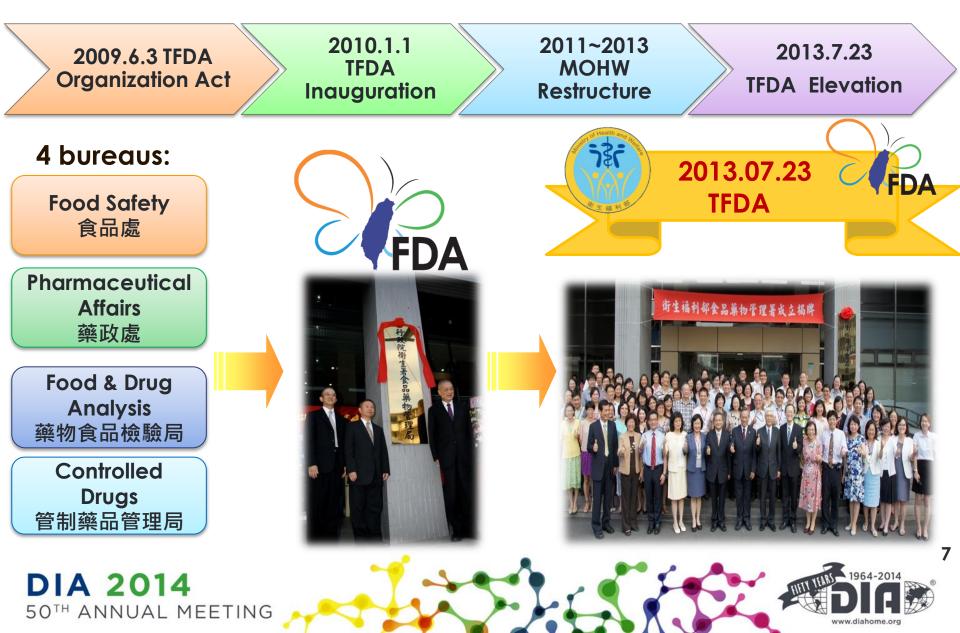
- Population: 23 million
- 99.8% Citizen Covered by NHI a Single Payer and Single Database (IC Card)
- Pharmaceuticals Market: NT\$ 82.4 Billion(US\$ 2.75 Billion) in 2013

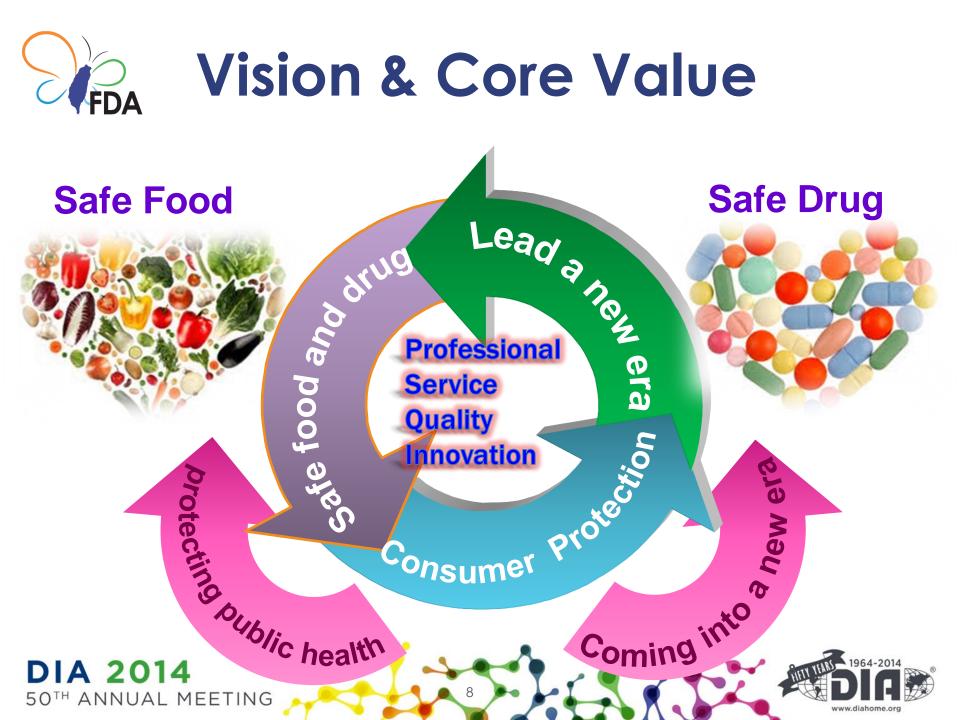






Establishment of TFDA

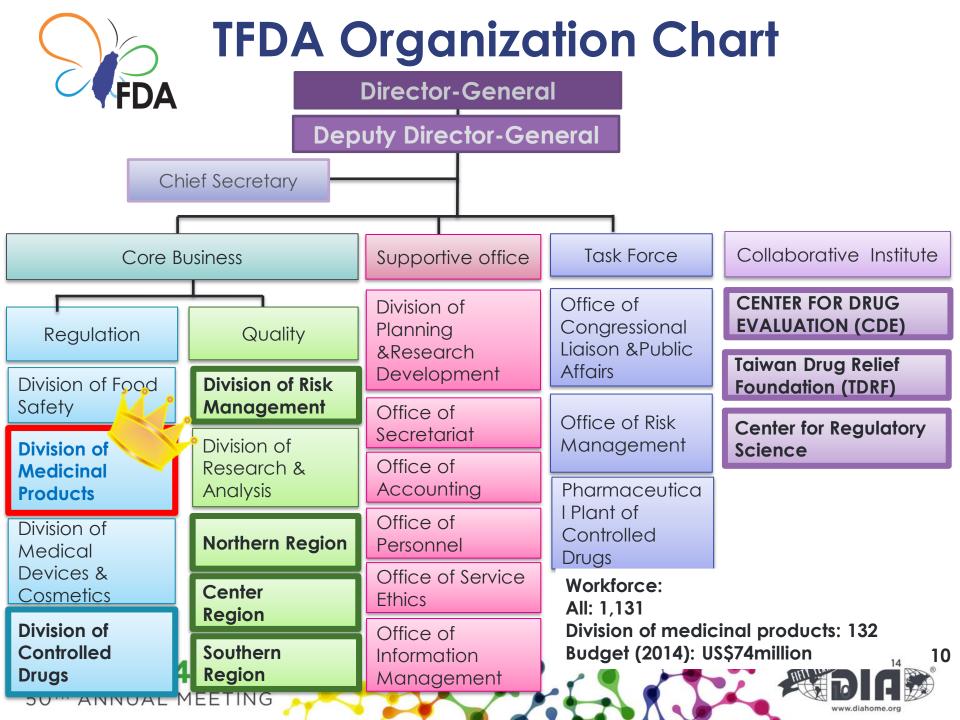






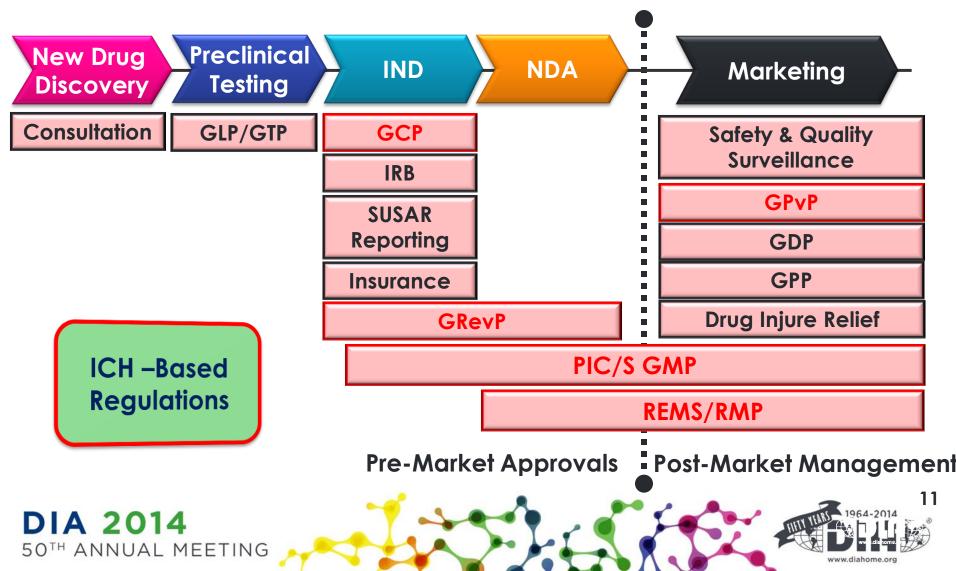
Regulation Management



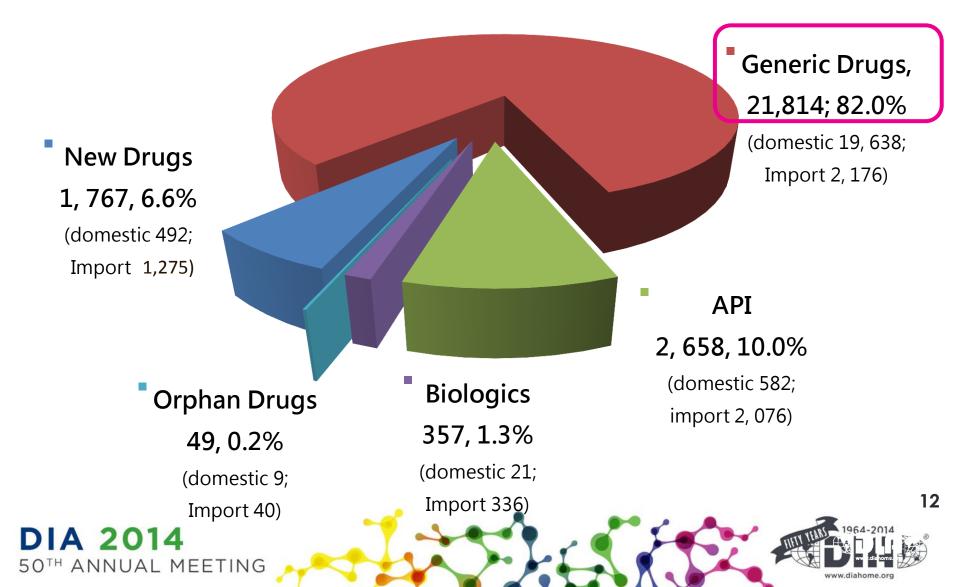


Pharmaceutical Regulation in Taiwan

Life cycle management of medicinal products



Statistics on Pharmaceutical Licenses in Taiwan (up to date) <26,654>



FDA Current Status of IND Regulation in Taiwan





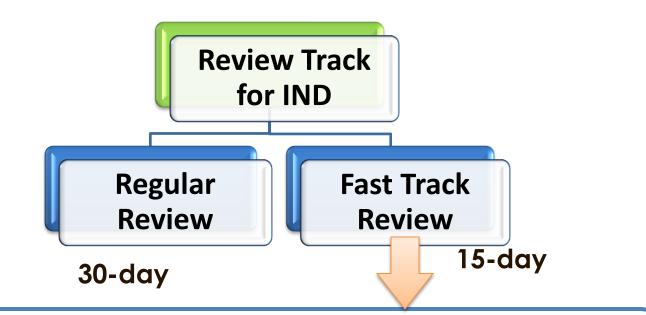
Current Status of IND Regulation in Taiwan

Objectives

- To enhance IND review efficiency
- To strengthen **clinical trial quality**
- To promote international collaboration of clinical trials
 - encouraging multi-regional clinical trials (MRCT), and early phase trials in Taiwan

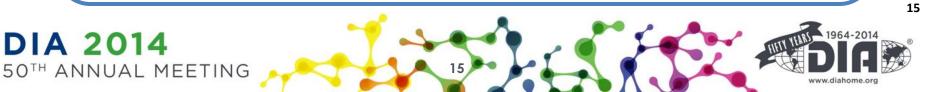


Enhance IND review efficiency



Applicable for:

- 1. IND with the Same **US FDA-Approved** IND Number (July, 2004)
- Multinational multicenter trials simultaneously conducted in one of the medically advanced countries; Taiwan's medical center hospital also involved (Aug, 2010)



Strengthen clinical trial quality -GCP Inspection in Taiwan

Regular inspection



- First-in human, pivotal, phase IV (30 ~ 40 cases/ yr)
- with 1~2 cases/yr unacceptable (3~7% unaccepted)
- For-cause inspection (~3 cases/yr)
 - Clinical trial with GCP violation and safety concern
 - Clinical trial with serious adverse event (SAE) occurred



Strengthen clinical trial quality -Qualified Clinical Trial Sites for IND

131 teaching hospitals (Qualified sites) in Taiwan 26 sites with government funding

Total Teaching Hospitals (qualified clinical sites) , 131					
Excellent Center*	6	Excellent Center of Oncology*	8	General Clinical Research Center*	12

International recognition certificate and accreditation

- 23 sites (Ethics committees and IRB) in Taiwan have received SIDCER # / FERCAP# Recognition certificate (2005-2012)
- 2 sites in Taiwan have earned AAHRPP[#] Accreditation (~2013)

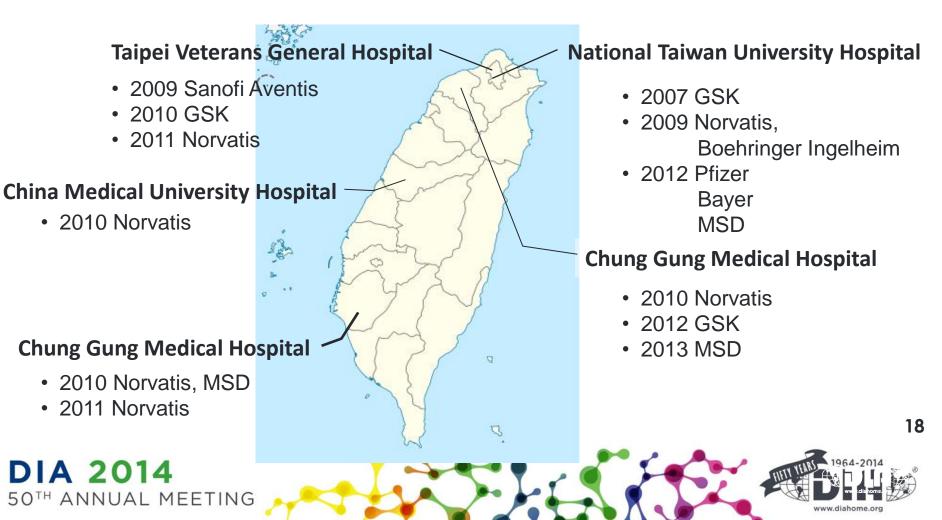
#SIDCER: Strategic Initiative for Developing Capacity in Ethical Review #FERCAP: The Forum for Ethical Review Committees in the Asian and Western Pacific Region #AAHRPP:The Association for the Accreditation of Human Research Protection Programs



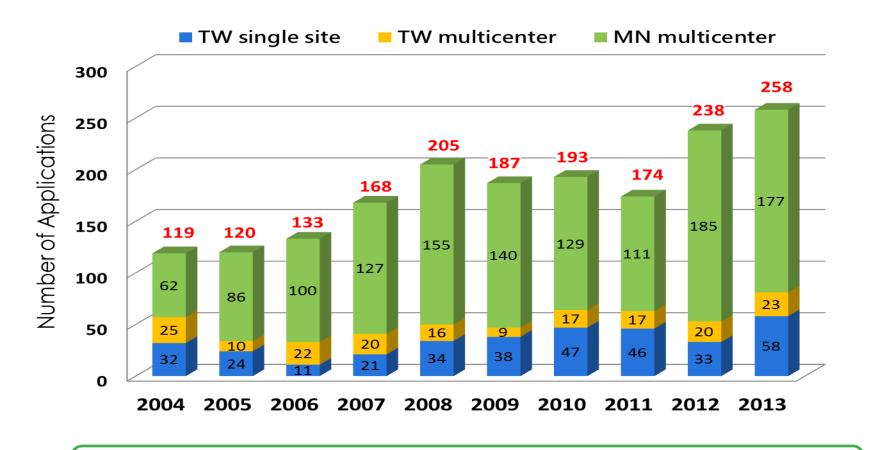
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International collaboration in Clinical Trials

MOU between Taiwan Centers of Excellence and the International Pharmaceutical Companies



IND Applications in Taiwan



Increase of multiregional trials



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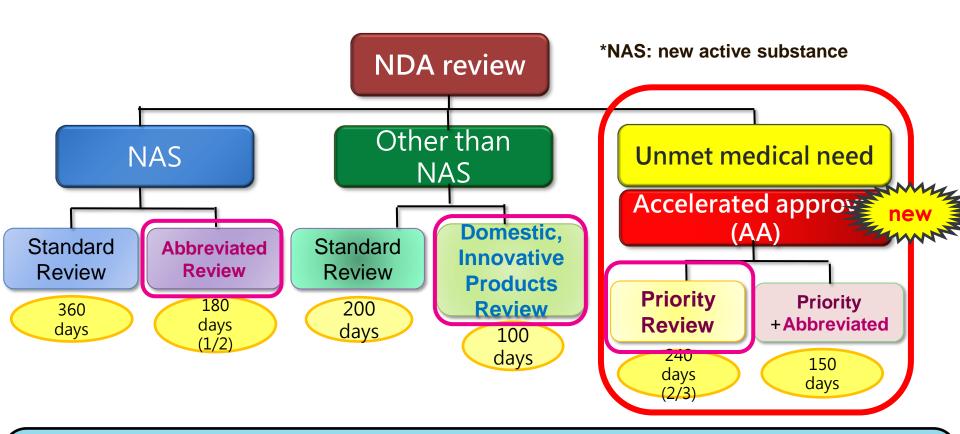
Current Status of NDA Regulation in Taiwan

• Objectives:

- Refine NDA review strategy
- Optimize NDA regulations
- Facilitate innovative medicine industry
 - Regulation Paradigm shift
 - From protection to promotion



Refine NDA review strategy

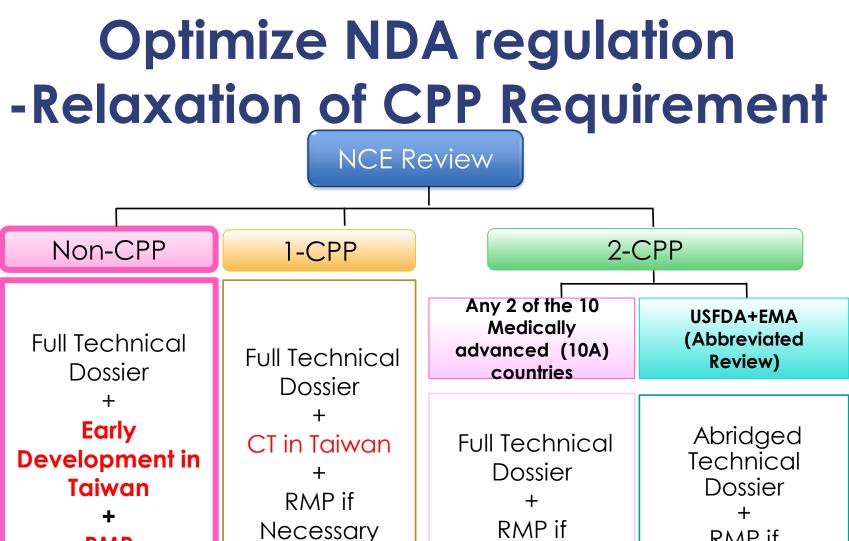


Standard Review : NAS +US FDA and EMA approved + no ethnic issue

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- Priority Review : NAS+unmet medical need
- Domestic, Innovative Products Review · Other than NAS+PIC/S

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RMP

RMP if Necessary

RMP if Necessary

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CPP: Certification of Pharmaceutical Products RMP: Risk Management Plan 50TH ANNUAL MEETING

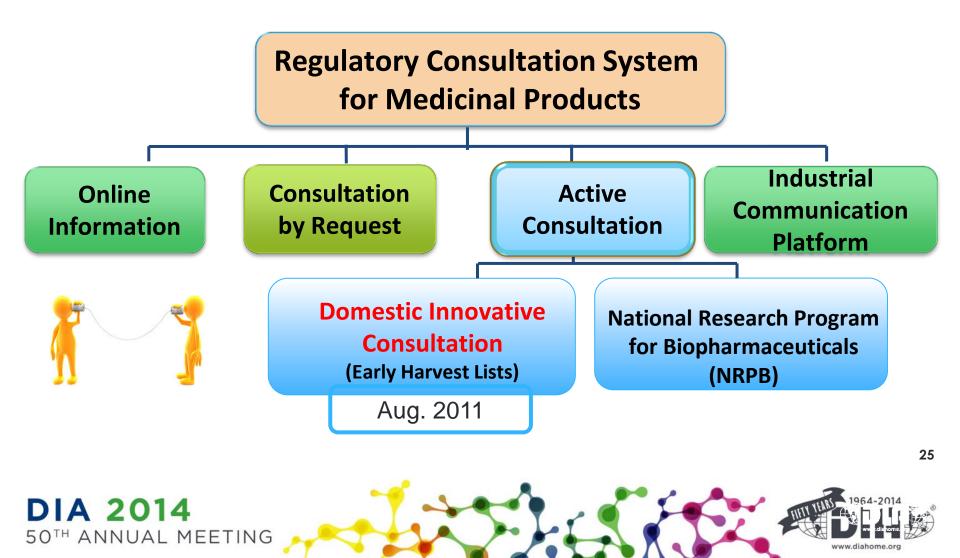
Case Sharing- Afatinib

Afatinib dimaleate

- New Chemical Entity
- non-small cell lung cancer with epithelial growth factor receptor (EGFR) mutation
- First approved in the world (May 2013)
- MRCT lead by Taiwan Principle Investigator
- 80% of the subjects in phase II and 20% of subjects in phase IIB/III were from Taiwan
- Non-CPP Review Track
- Review time: 120 days



Facilitate innovative medicine industry -Regulatory Consultation System





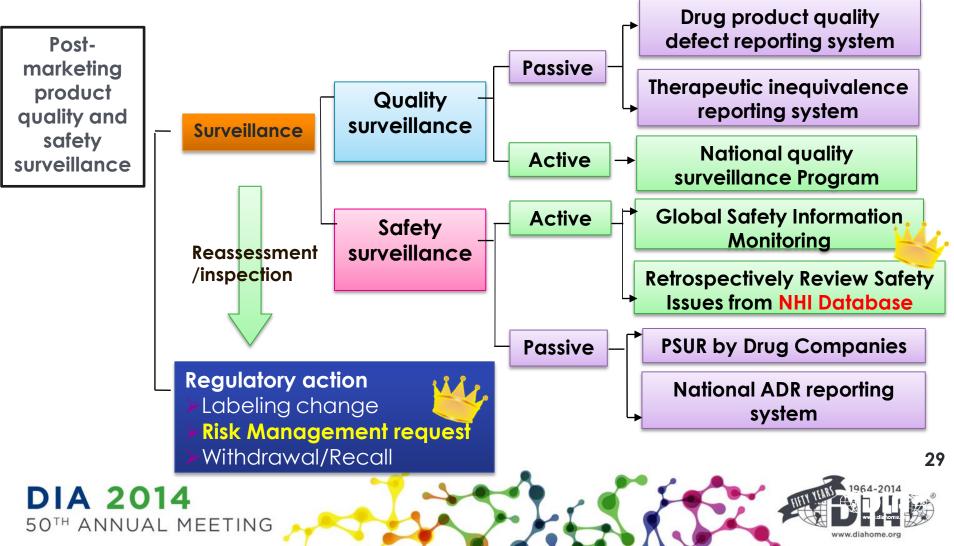
Facts and Opportunities



Current Status of Post-Marketing FDA Management in Taiwan



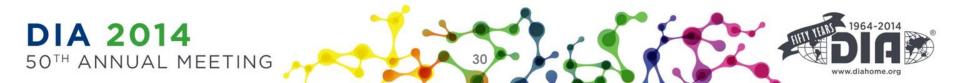
Post-Marketing Safety and Quality Surveillance —Risk Management

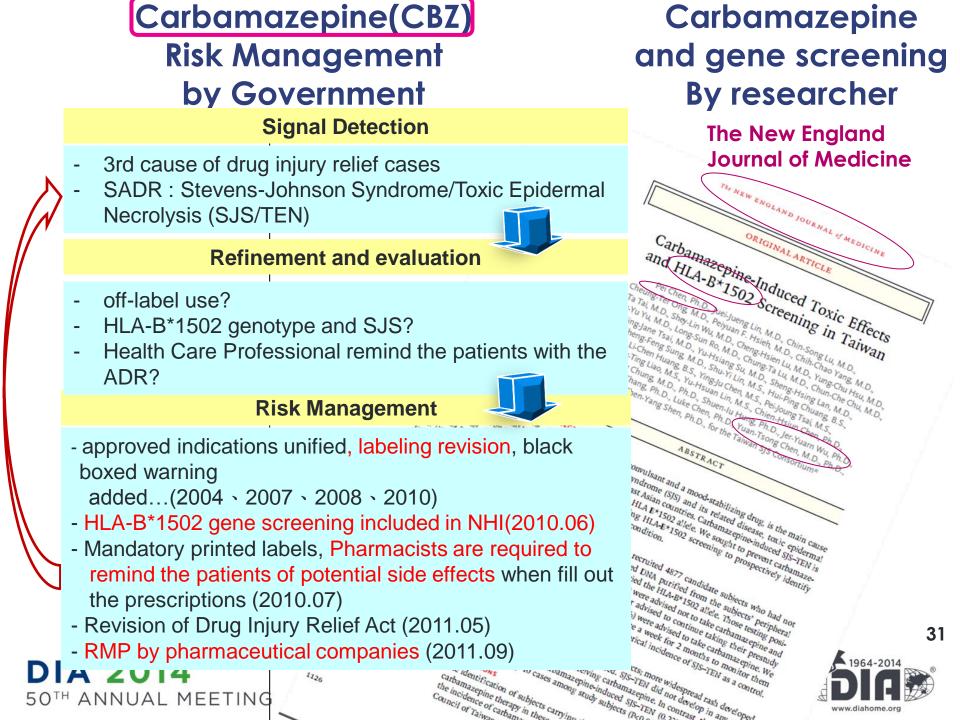


Risk Management Plan

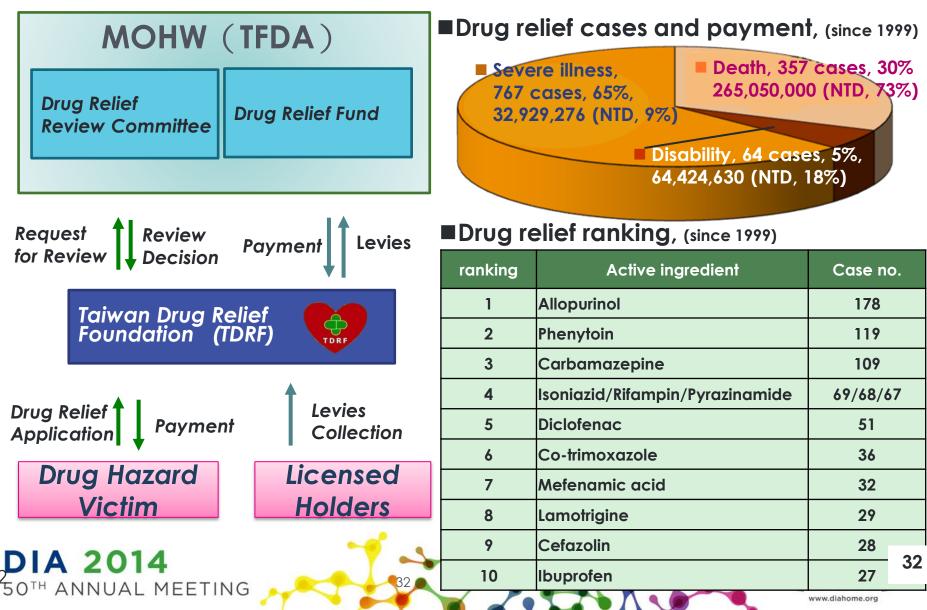
By careful design, monitor and control, the implementation of Risk management plan :

- Provides early access to new drugs (especially in non-CPP cases)
- Prevents marketed drug withdrawn
- Ex. Currently 29 NDAs and 4 marketed ingredients (Carbamazepine, TNF-Alpha Blockers, Rosiglitazone, Pioglitazone) in Taiwan require RMP conduction.





Taiwan Drug Injury Relief System





Direction of International Collaboration



Current Status of International Collaboration

- **Regulation Harmonization**
 - Regulation Convergence, such as **ICH standards**
 - EP* observer
 USP* observer



- Regular participation in international organization/conference
 - Organization oriented: APEC \ ICH \ DIA \ IGDRP \ FIP \ WTO (TRIPS \ TBT) \ WHO (NRA \ ICDRA)
 - Topic oriented: orphan drug
 biologics
 bridging study
 vaccine
- Active involvement
 - APEC GRP roadmap
 - MOU

*EP: European pharmacopeia *USP: US pharmacopeia

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- MOU/arrangement/agreement:
 - Japan: arrangement
 - China: agreement
 - Australia: MOU
 - UK: confidentiality MOU
 - EDQM: confidentiality agreement

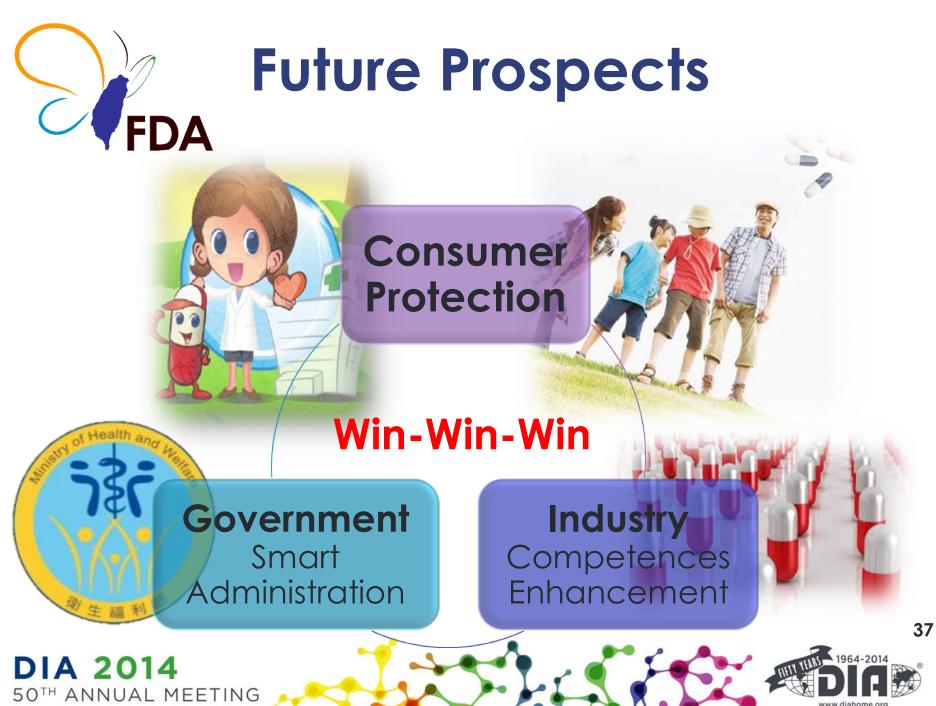






Future Prospects





FDA for Your Attention



For more information, please go to: http://www.fda.gov.tw

