Drug Review and Related Activities in the United States

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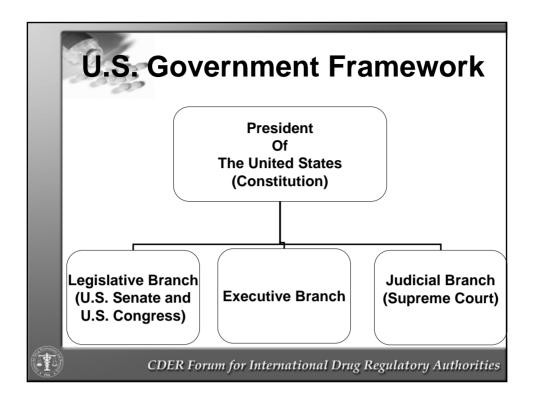
CDER Forum for International Drug Regulatory Authorities



Session Overview

- ➤ Organizational structure
- ➤ Laws and regulations
- ➤Investigational New Drugs (INDs)
- ➤ New Drug Application (NDA) Reviews
- ➤ Postmarketing Activities





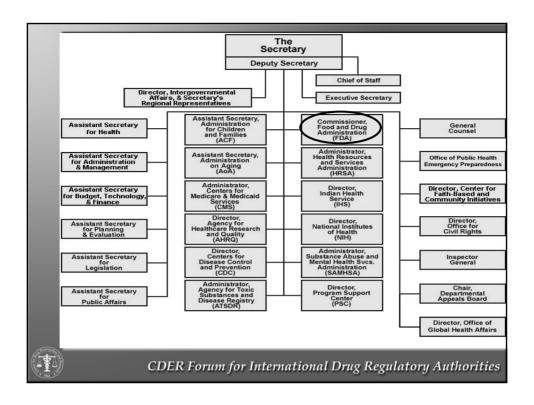
Executive Branch The President's Cabinet

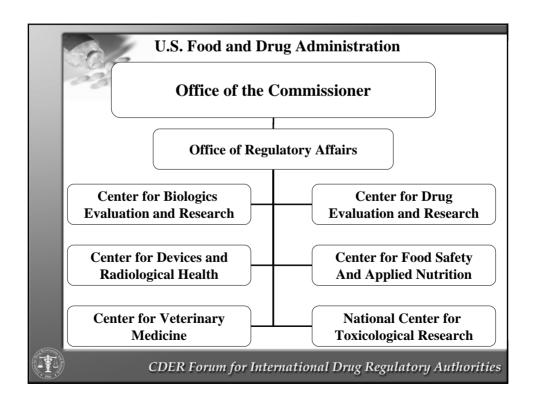
- **■** Department of Agriculture
- **■** Department of Commerce
- **■** Department of Defense
- **■** Department of Education
- **Department of Energy**
- Department of Health and Human Services –

■ Secretary Michael O. Leavitt

- **■** Department of Homeland Security
- **■** Department of Housing and Urban Development
- **■** Department of the Interior
- **■** Department of Justice
- Department of Labor
- **■** Department of State
- Department of Transportation
- **■** Department of the Treasury
- **■** Department of Veterans Affairs







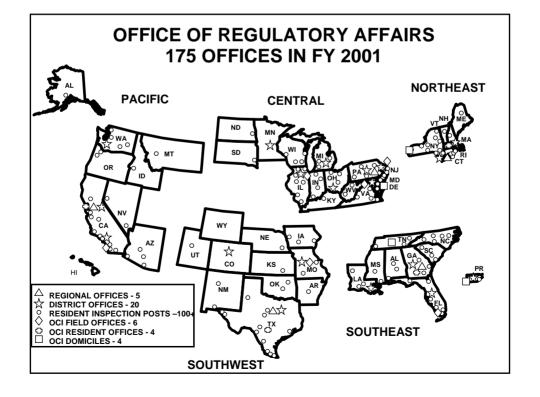


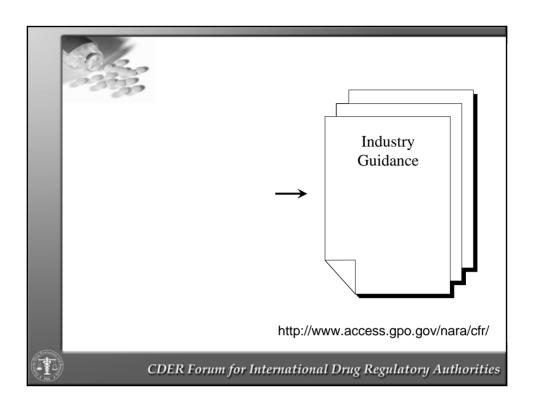


Mission

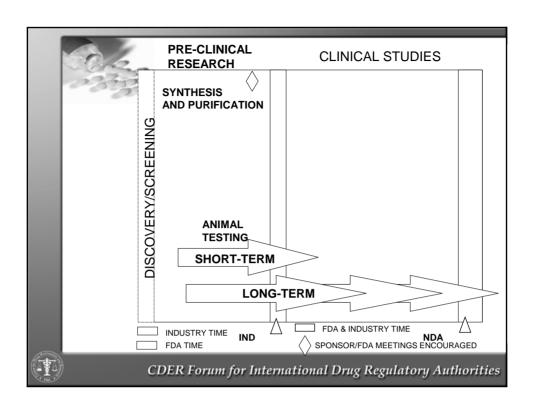
- 1. Promote public health
- 2. Protect public health
- Participate with representatives of other countries to reduce the burden of regulation, harmonize regulatory requirements, and achieve appropriate reciprocal arrangements;
- 4. Carry out (1) through (3) in consultation with experts in science, medicine, and public health, and in cooperation with consumers, users, manufacturers, importers, packers, distributors and retailers of regulated products.

(T)

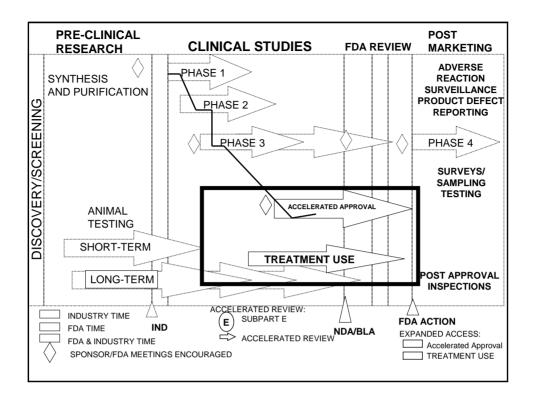












New Drug Application (NDA) or Biologic License Application (BLA) contains the following:

- Pre-clinical studies
- Human clinical studies
- Manufacturing details
- Labeling
- Additional information



Prescription Drug User Fee Act (PDUFA)



http://www.fda.gov/oc/pdufa/default.htm

- Permits CDER/CBER to charge pharmaceutical manufacturers a fee to review drug applications
- These fees provide appropriate resources to accelerate the review of applications
- Not the only source of funds for CDER/CBER
- Funds go directly to CDER/CBER, not individuals



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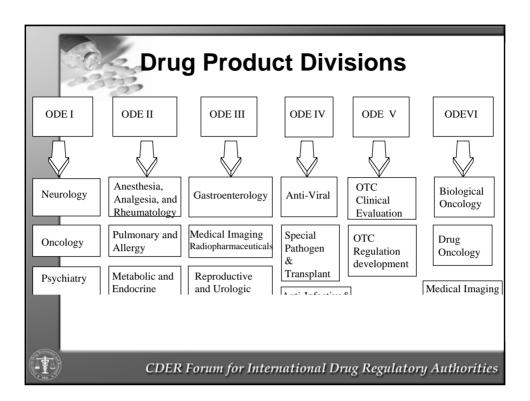
The NDA Review Process in CDFR

- Submitted to Central Document Room
 - paper or electronic
- Processed and sent to appropriate review Division
- Priority status determined

■ Standard: 10 months
■ Priority: 6 months

■ try to determine at time of acknowledgement letter, MUST be determined by filing date

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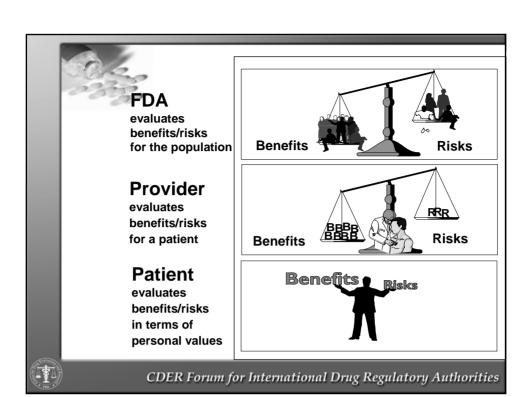


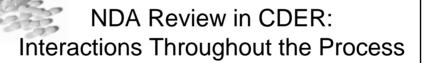


Review Team

- Project Manager
- Medical Officer
- Chemist
- Microbiologist
- Statistician
- Pharmacologist
- •Establishment/Facility Reviewer
- Support Personnel







- Meetings and Tcons
 - advice is free of charge (unlike other regulatory agencies)
 - several allowable in regulations
 - →status (usually tcon)
 - →labeling
- Advisory Committee Meetings
 - "controversial" products
 - most NMEs

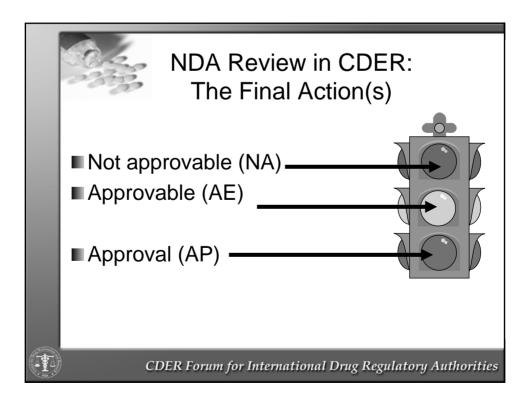


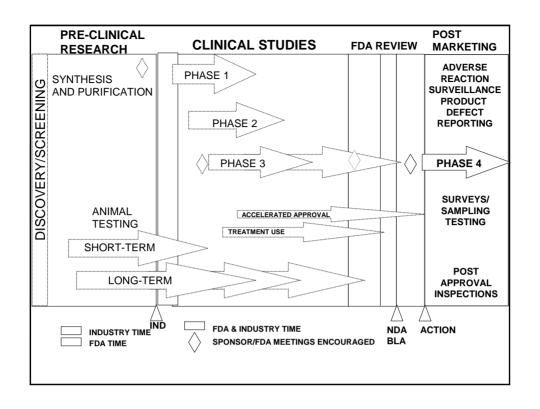


Advisory Committee

- Panel of OUTSIDE experts
- Provide advice and opinions to the FDA drug review team
- FDA advisory committee
 Information:
 http://www.fda.gov/oc/advisory/default











Office of Drug Safety

- Division of Drug Risk Evaluation
- Division of Medication Errors and Technical Support
- Division of Surveillance, Research, and Communication Support





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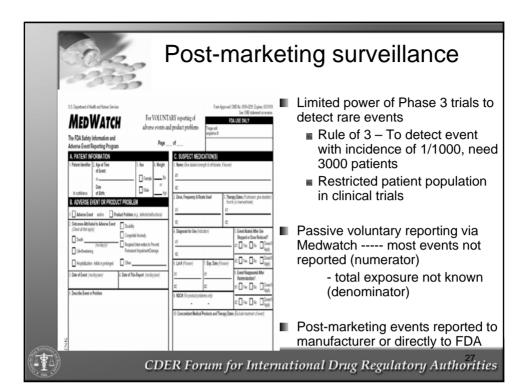
Adverse Event Reporting System (AERS)

- Database
- · Internationally compatible

Office of Drug Safety (ODS) uses AERS to:

- Triage
- Review
- · Assess risk







Potential Regulatory Action for Postmarketing Safety Issues

- Labeling Change
- "Dear Doctor" letter (for specific warnings)
- Restricted use
- Restricted distribution
- Patient Medication guide
- Product withdrawal





DDMAC (Division of Drug Marketing Advertising and Communications)

Promotion of Prescription Drug Products

- Promotional Materials Review Guidance and policy development
- Research
- Surveillance and enforcement



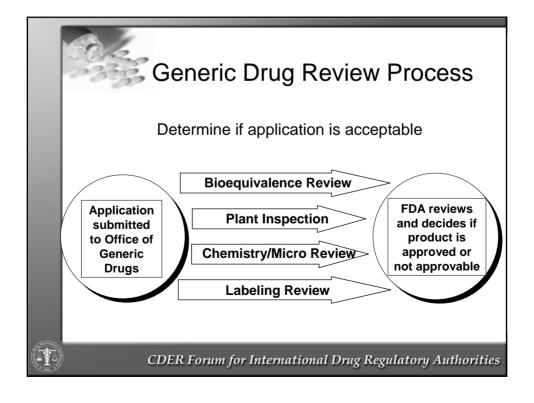


CDER's Office of Compliance



- Sets labeling, manufacturing, and testing standards
- Monitors the quality of marketed drugs
- Evaluates, classifies, and recommends human drug recalls





Approved Drug Products with Therapeutic Equivalence Evaluations "Orange Book"



http://cdsmlweb1/ob/index.htm

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New OTC drug

The sponsor/manufacturer submits a new drug application (NDA) as an OTC drug.

Prescription to OTC Switch

The drug company submits a supplement to the new drug application NDA to "switch" to OTC.

OTC Drug Review Process

FDA reviews active ingredients and finds they are safe and effective.

http://www.fda.gov/cder/Offices/OTC/industry.htm.



FDA Priorities

Risk Management

Better Consumer Information

Postmarketing Safety

Counterterrorism

Effective Regulation/ Strong Science









http://www.fda.gov/cder http://www.fda.cder/offices/ddi/pathfinder

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