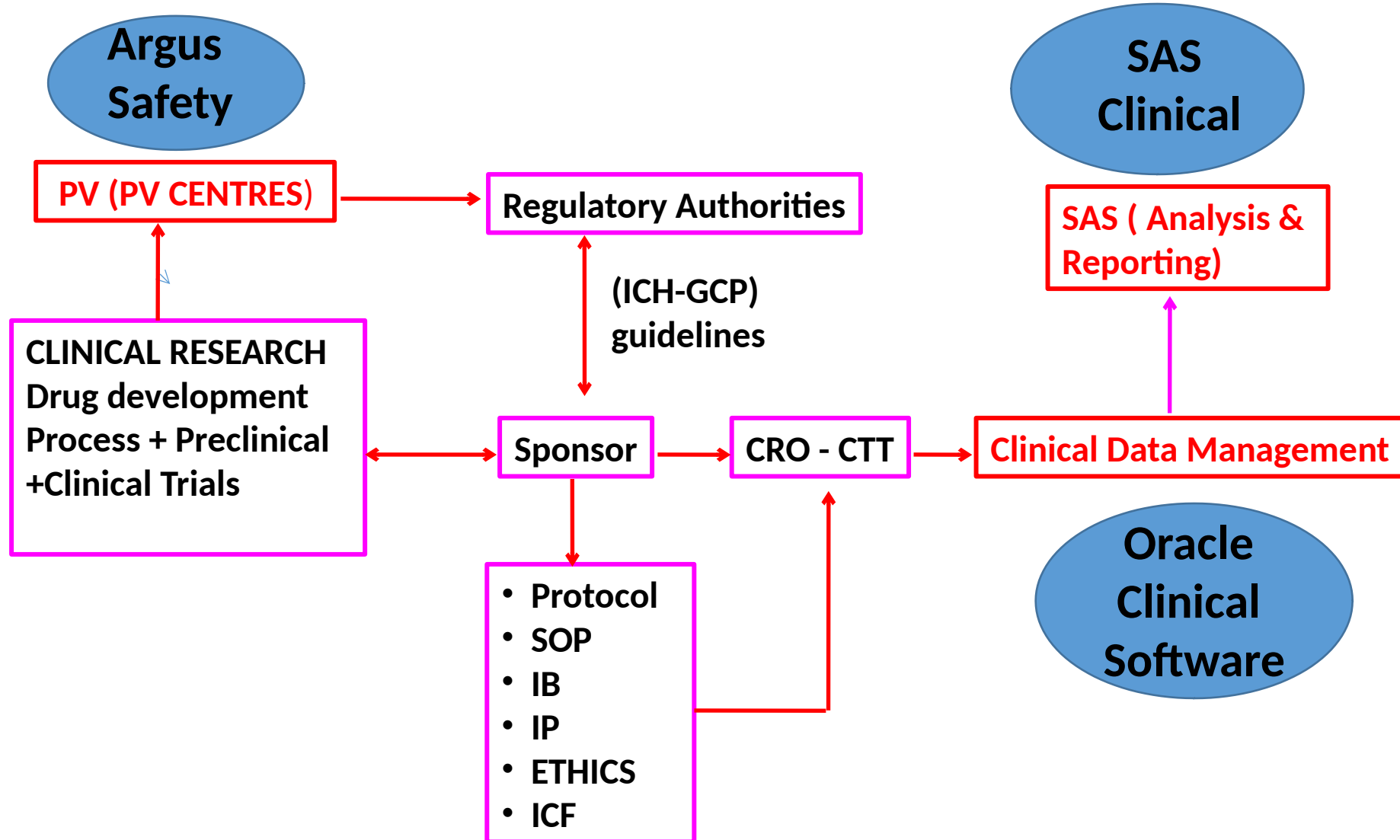
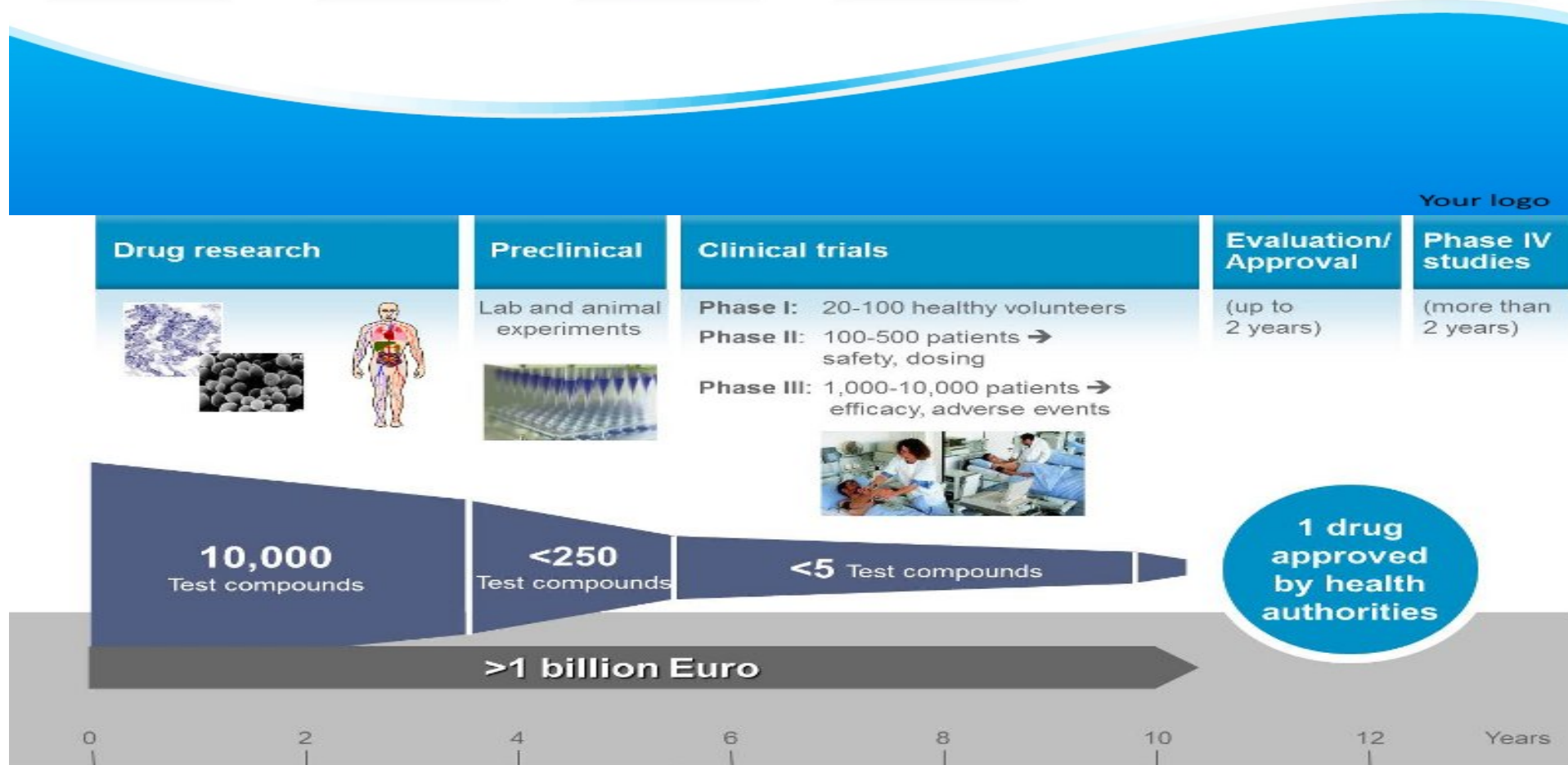
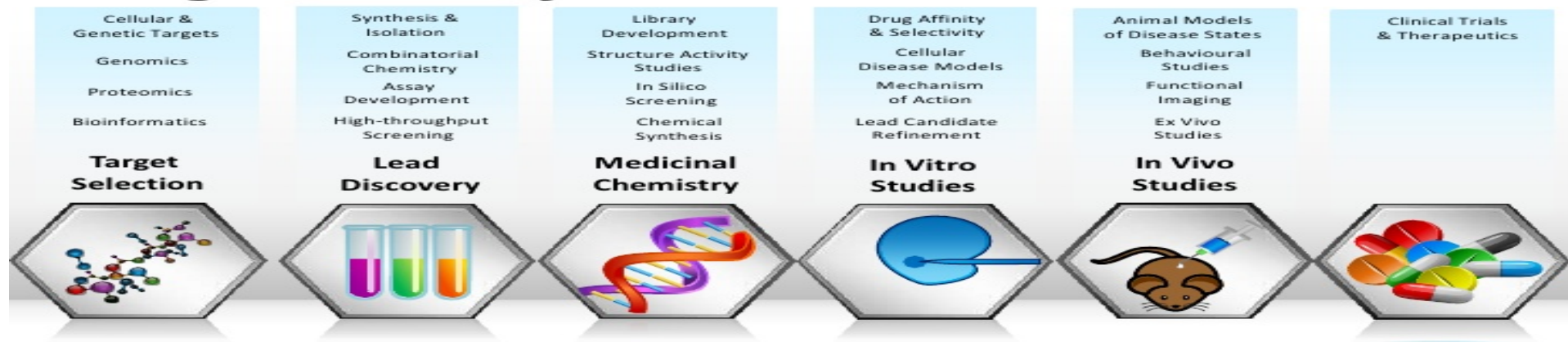


Clinical Data-Managing, Analyzing, Submitting Using Softwares (Oracle Clinical, Argus Safety & SAS)



Drug Discovery Process - Style 5



Source: based on PhRMA Profile Pharmaceutical Industry 2010

WHY PHARMACOVIGILANCE ?



Patient Care

- To improve patient care & safety in relation to medicines & all medical & para-medical interventions



Public Health

- To improve public health & safety in relation to the use of medicines

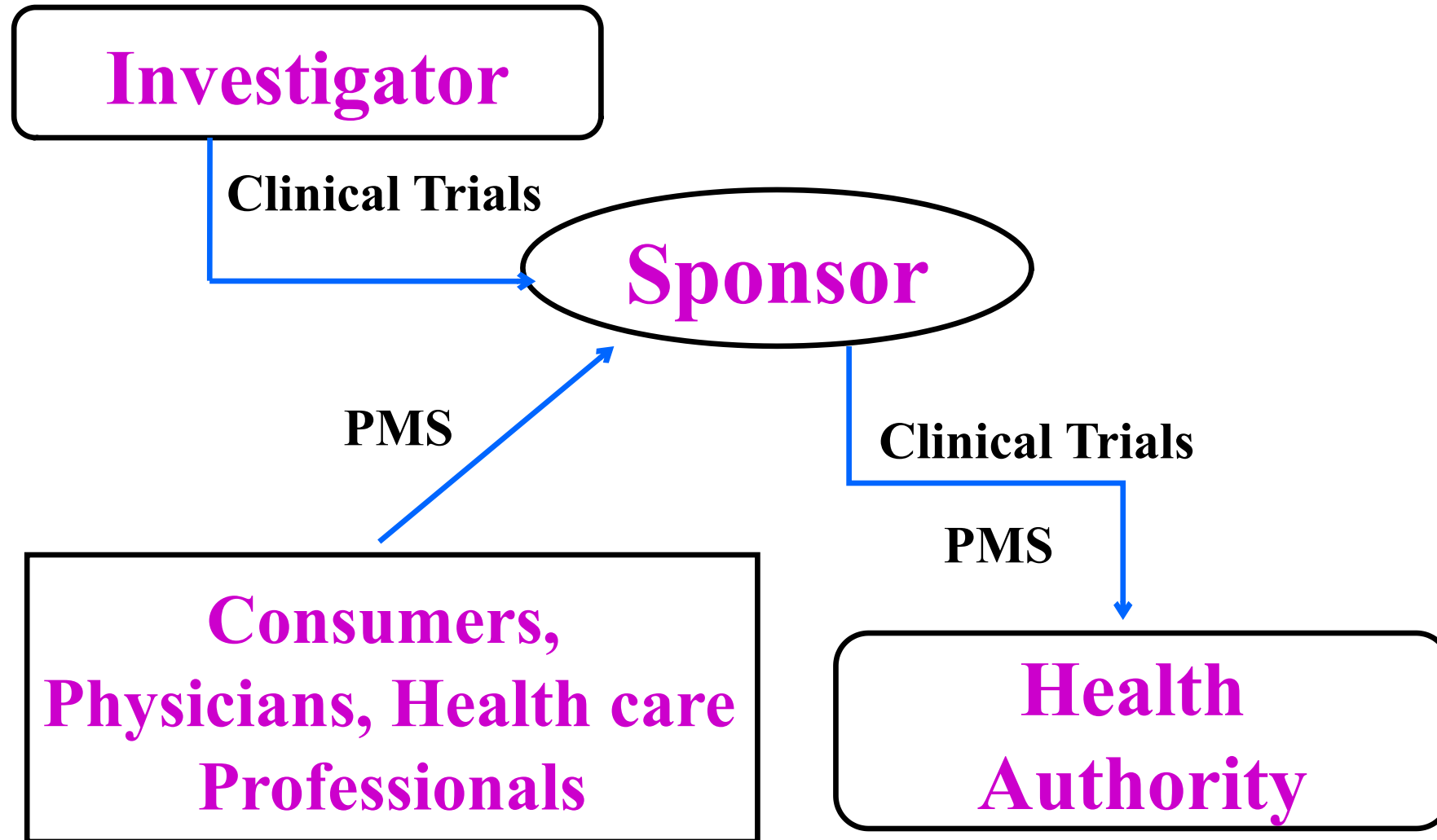
Risk Benefit Assessment

- To contribute to the assessment of benefit, harm, effectiveness and risk of medicines

Communication

- To promote understanding, clinical training & effective communication to health professionals & the public

Who reports about Adverse Events in Clinical trials and in PMS



Drug Effects

Good
Benefit

Bad
Risk - AE

Pharmacovigilance

Benefit Risk Analysis
Skeleton...

No drug which is
pharmacologically effective is
without hazard

Expected

Unexpected

Individual Case
Data flow

Signal
Detection

Risk
Management

Case Intake

Unblinding

Case Lock

ICSRs

Case Triage

Medical
Review

Reporting

Individual

Aggregate

Data Entry

Quality
Review

Case
Archive

Expedited
Reporting

PSUR

Suspected Adverse Reaction Forms:

Blue Card - Australia

Yellow Card - UK

Canada Vigilance Reporting Form -
Canada

CIOMS (Council for International
Organizations of Medical Sciences) Form -
WHO

FDA MedWatch Form 3500 - USA

Suspected Adverse Reaction Form -
CDSCO - India
(Central Drugs Standard Control
Organization)

Regulatory Agencies

India



Central Drugs
Standard Control
Organization

US



Food and Drug
Administration

EU

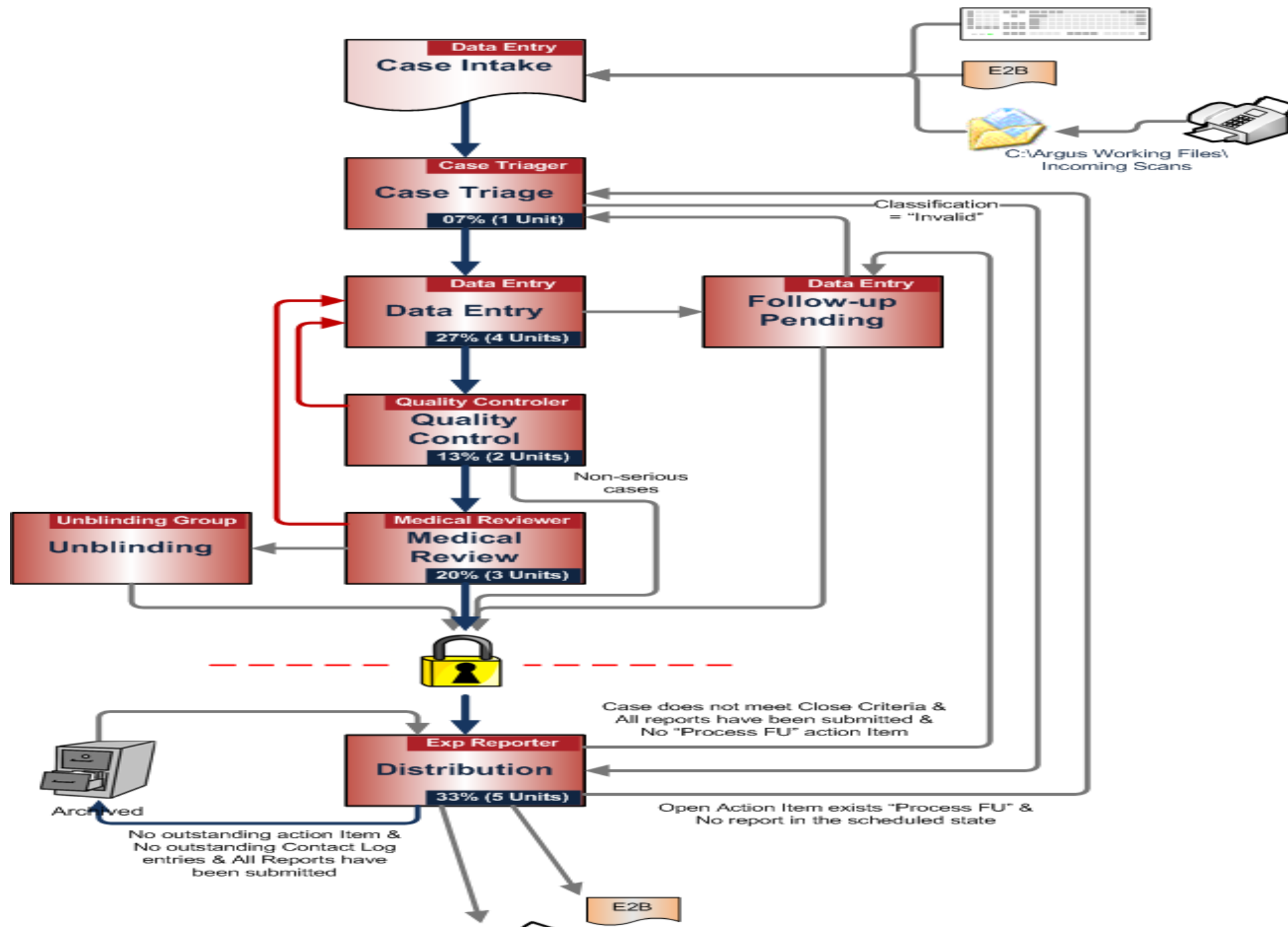


European
Medicines
Agency

JAPAN



Pharmaceuticals
and Medical
Devices Agency



Pharmacovigilance in India: A Brief History

- ADR monitoring system for India proposed (12 regional centers)

**1982 &
1989**

1997

- India joined WHO-ADR monitoring programme (3 centers: AIIMS, KEM, JLN)

- Pharmacovigilance Programme of India

2010

**2004 –
2008**

- National Pharmacovigilance Programme



