

# **SNS COLLEGE OF PHARMACY AND HEALTH SCIENCES**



*Affiliated To The Tamil Nadu Dr. MGR Medical University, Chennai*

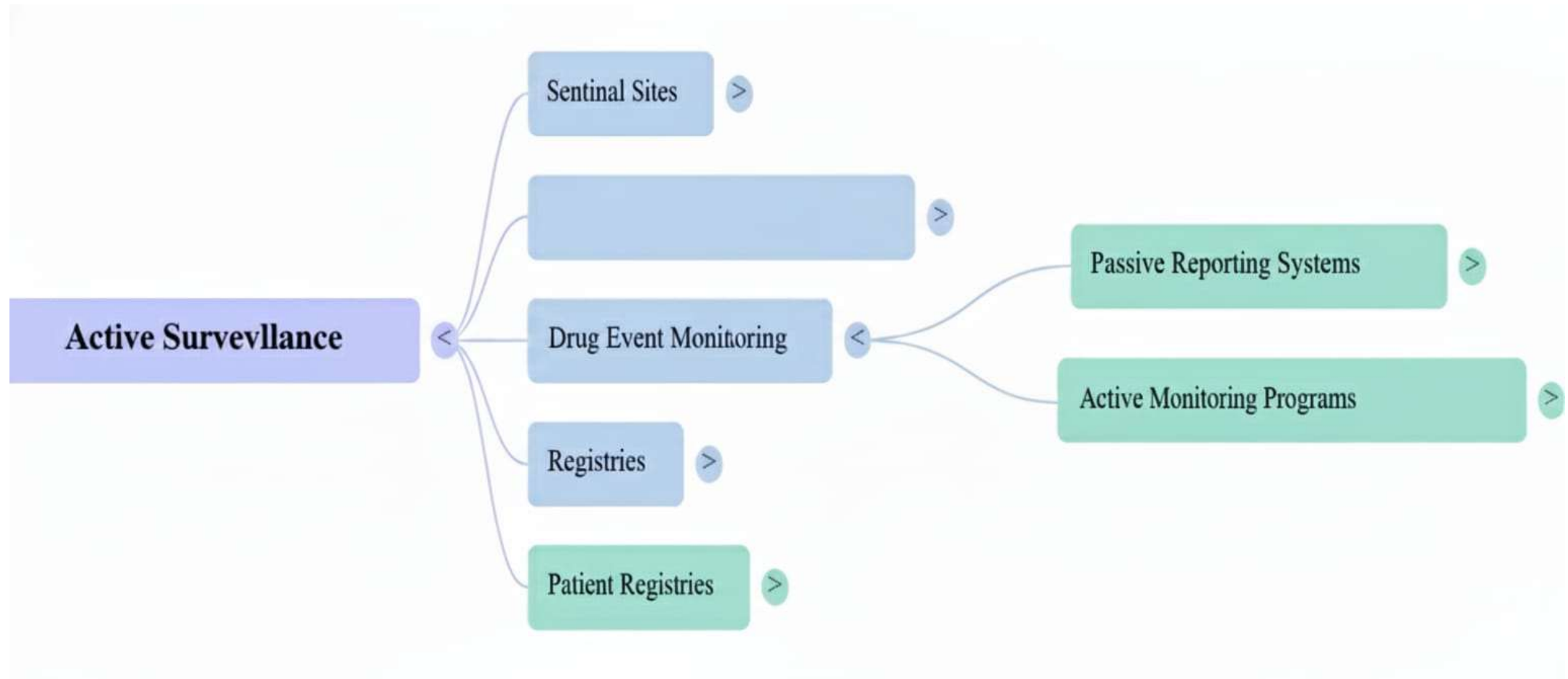
*Approved by Pharmacy Council of India, New Delhi.*

**Coimbatore -641035**

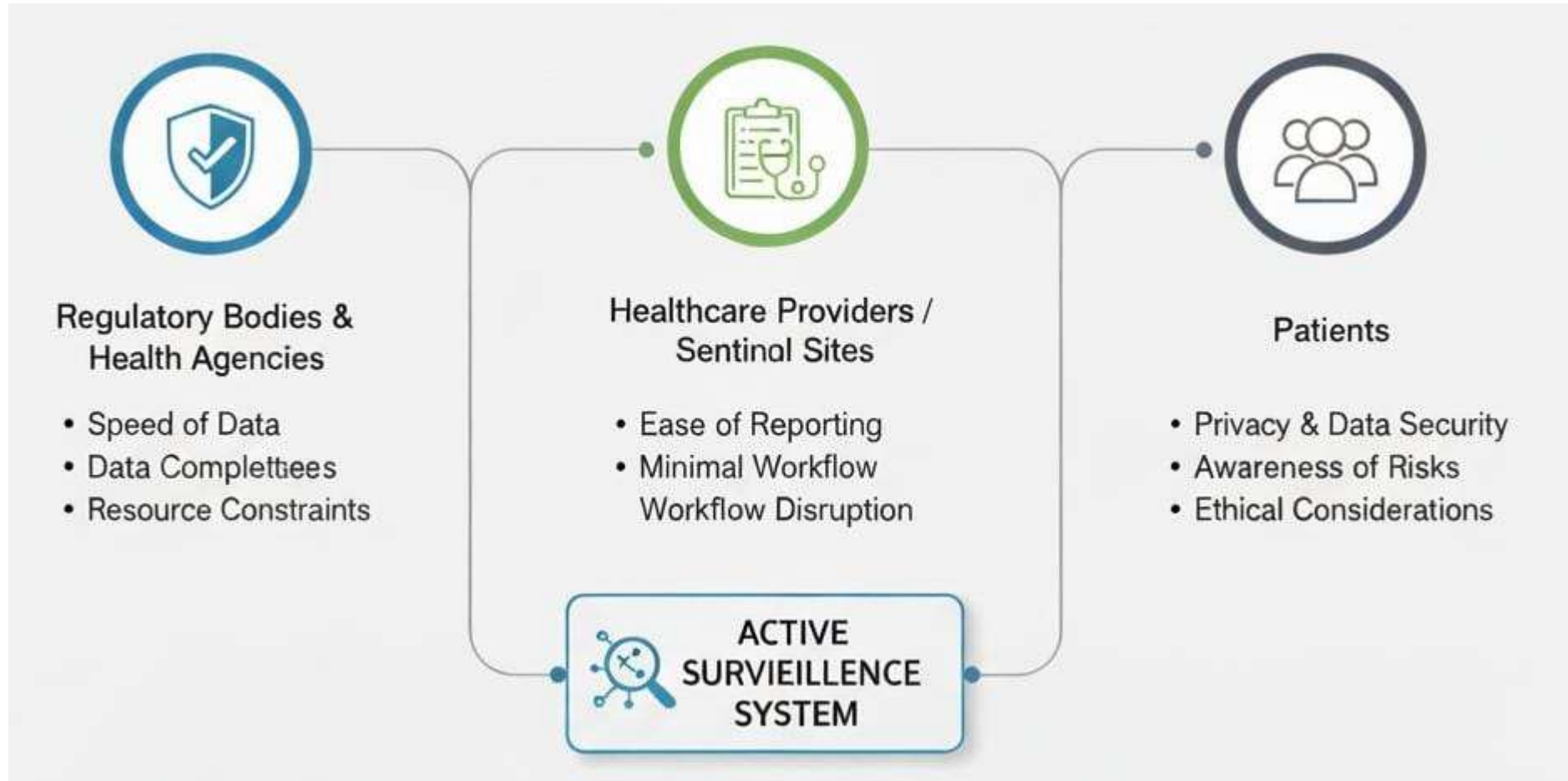
**COURSE NAME : PHARMACOVIGILANCE (BP805ET)**

**VIII SEM / IV YEAR**

**TOPIC 2 : ACTIVE SURVEILLANCE**

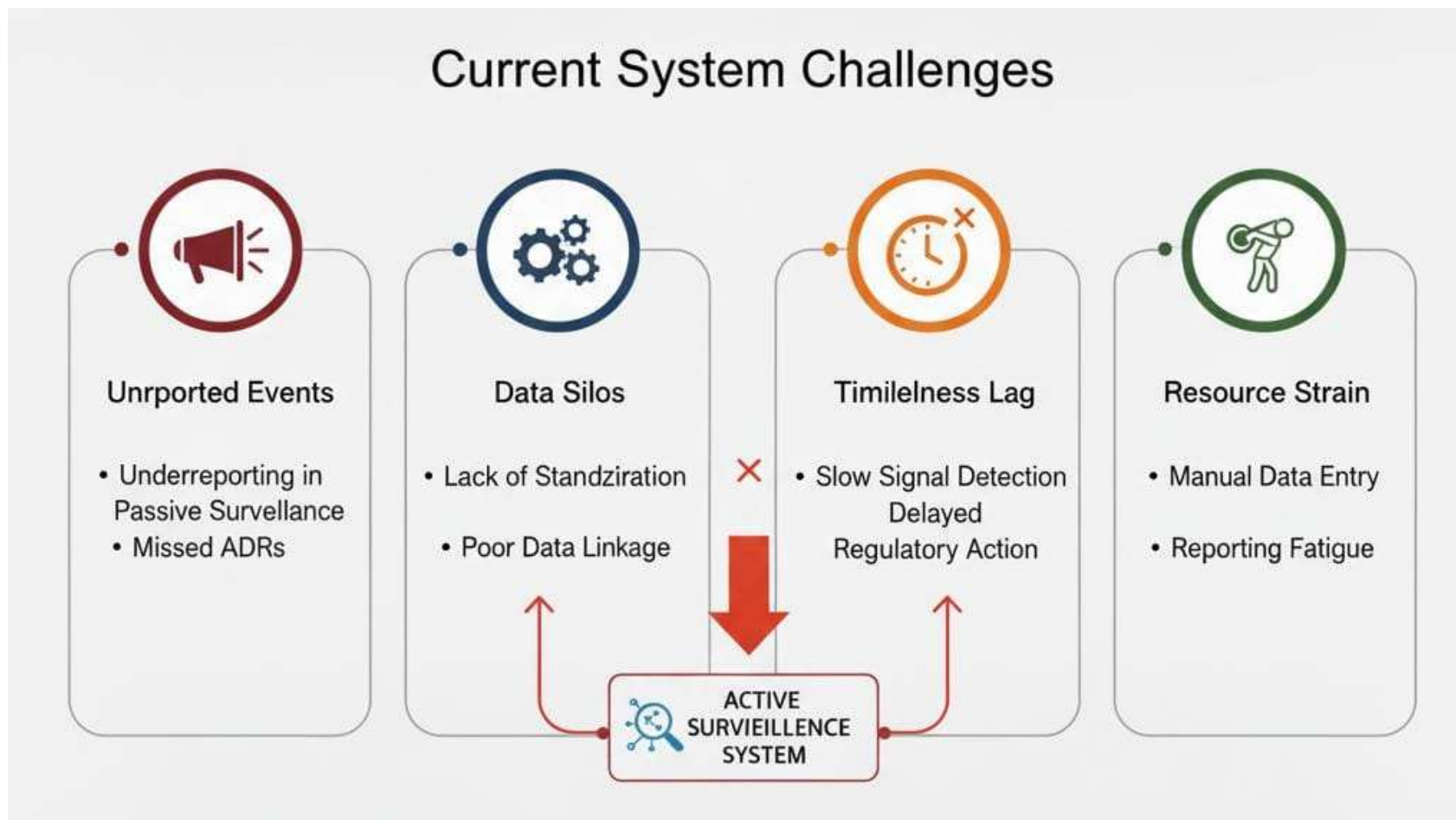


# MINDMAP

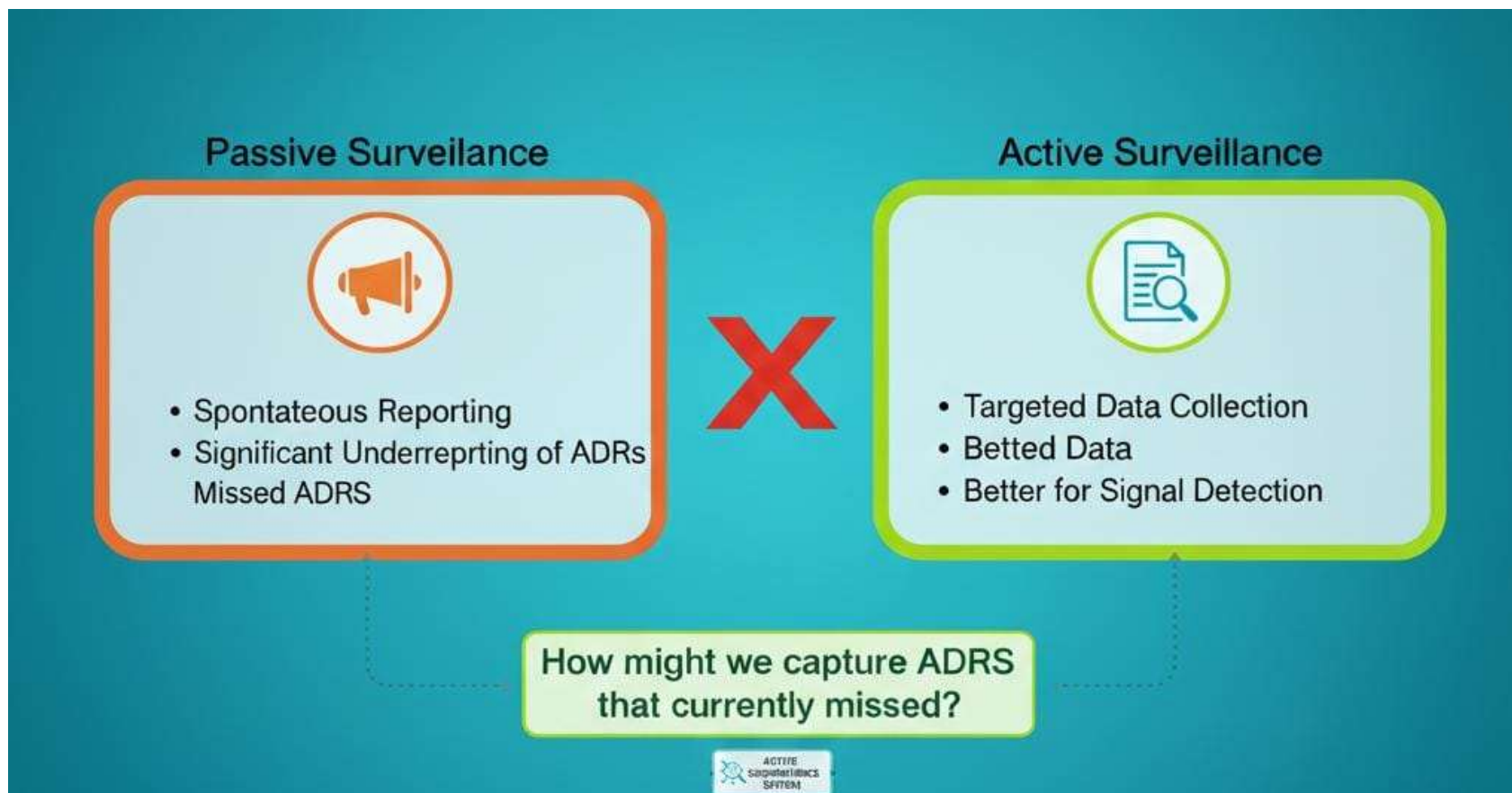


Empathize

# INTRODUCTION



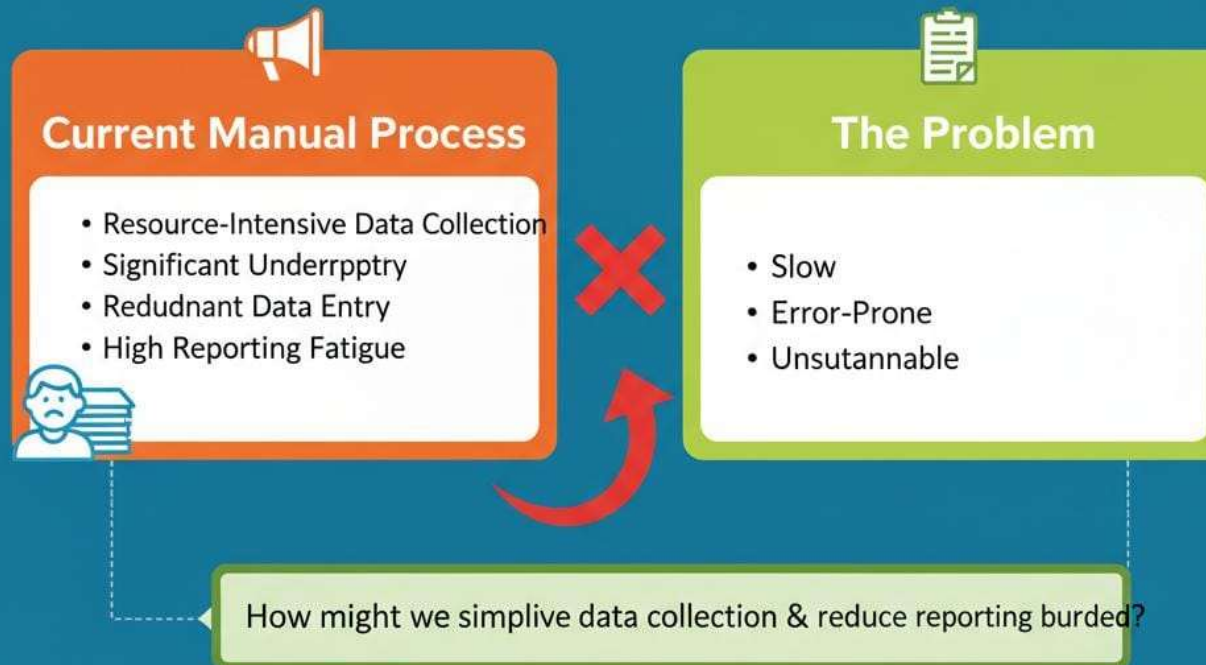
Empathize



Empathize

## Define Phase

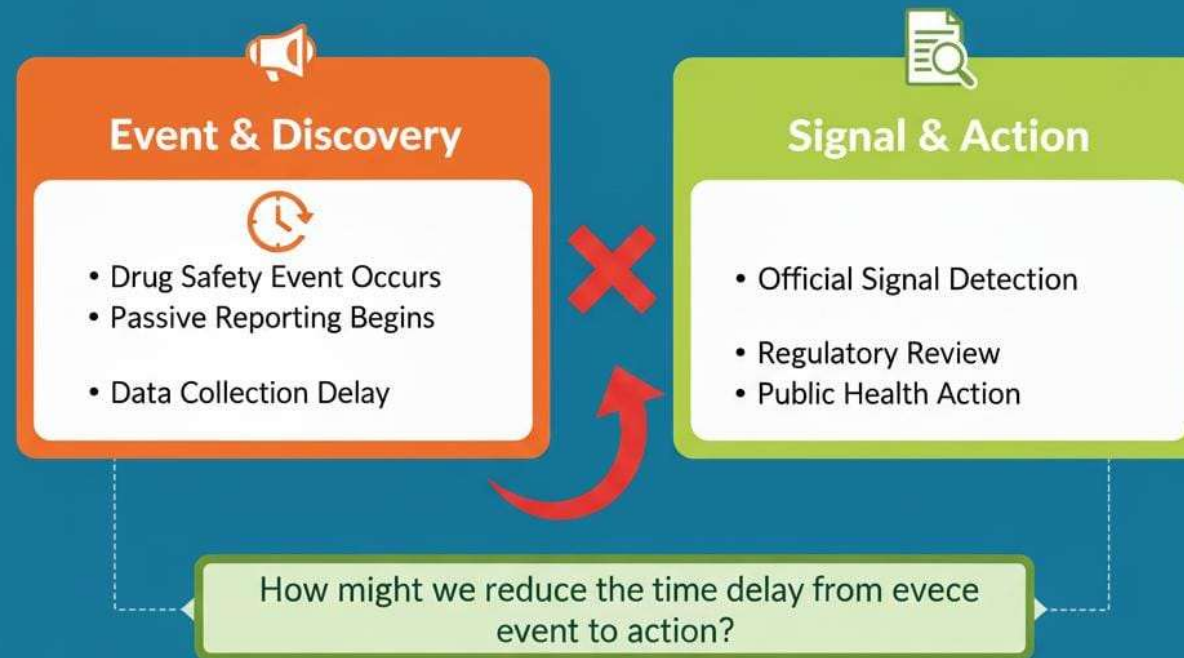
### The Usability (Sentinl Sites/D.E.M)



Empathize

## Define Phase

### The Lag Time Problem



Define

## Ideate Phase Sentinel Site Innovations



### Standardized Data

- Developing minimum data sets
- Ensuring consistency

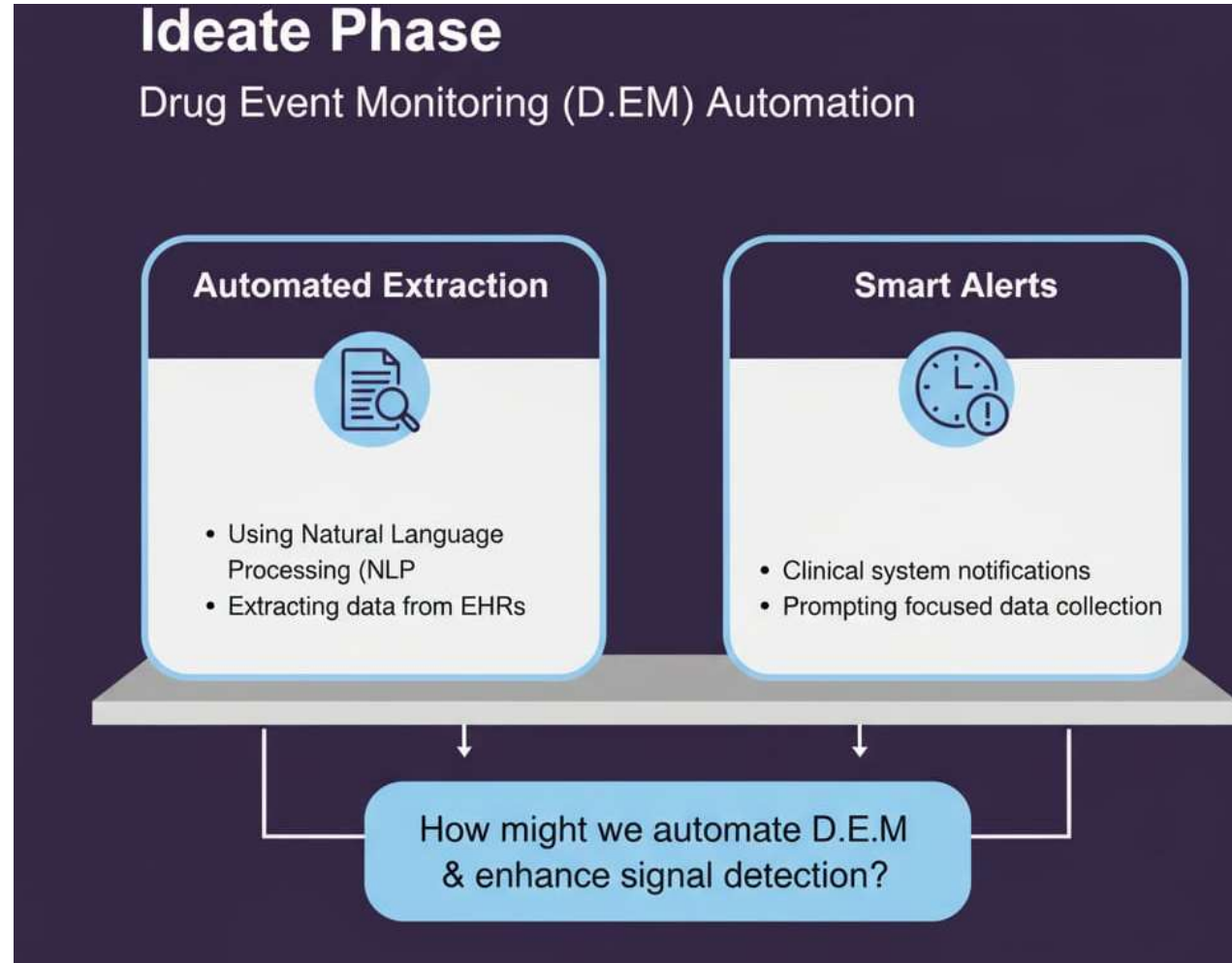


### Incentive Models

- Financial rewards for quality data
- Non-financial recognition / gamification

**How might we empower sentinel sites & improve data quality?**

Define



Ideate

## Ideate Phase

### Registry Enhancement

#### Unified Data Model



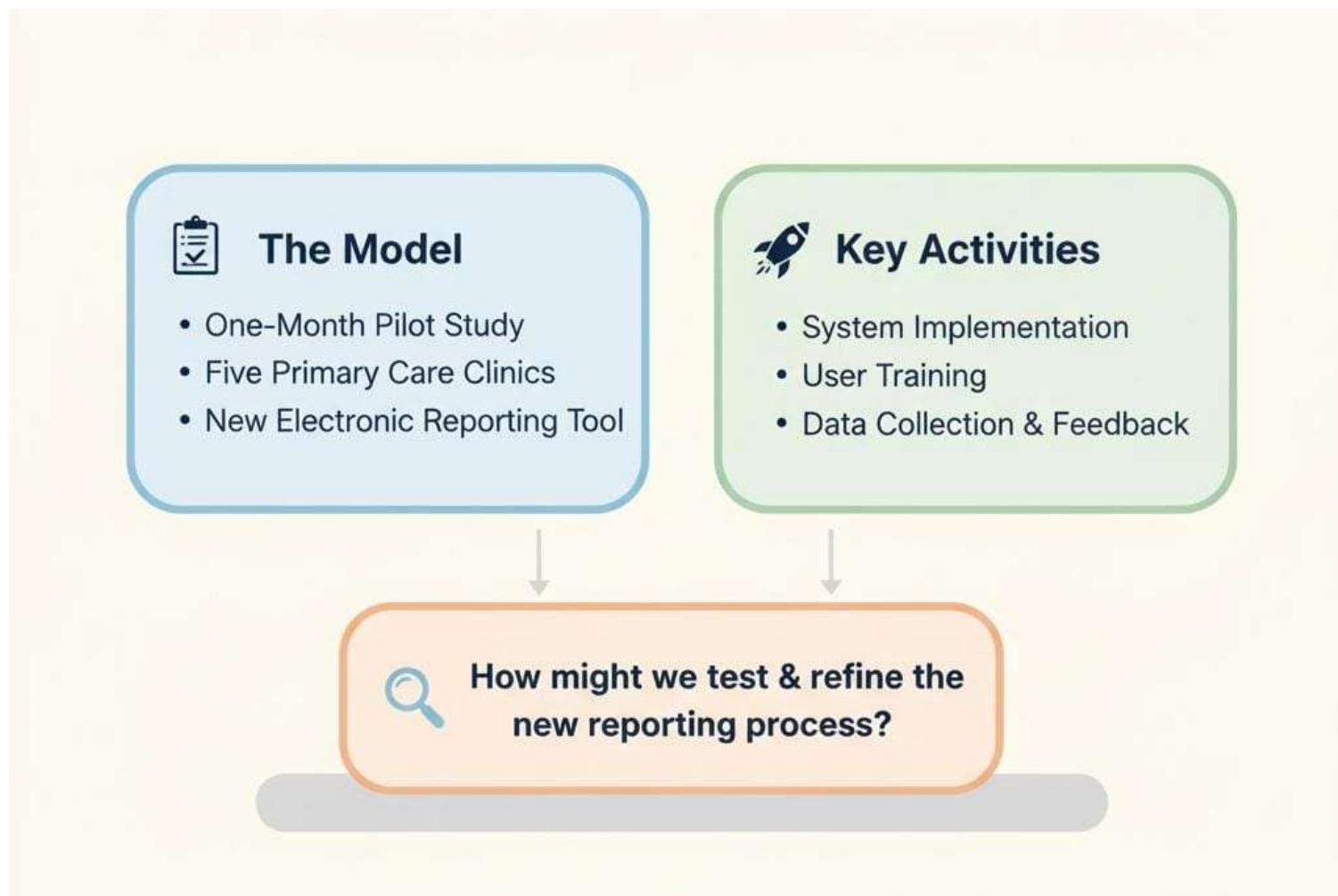
- Creating a common data standard
- Enabling national/international registries

#### Record Linkage



- Securely connecting databases
- Linking registries with patient outcomes

How might we unify data & improve comprehensive analysis?



Prototype

## Sentinel Sites 🔍



- Doctors
- Nurses
- Pharmacists
- Reporting

## Drug Event Monitoring (DEM)

- Data Analysts
- Informaticits
- PV Specialists
- Signal Detection



Active Surveillance System


## Registries 🧪

- Researchers
- Biotastisistins
- Data Curators
- Long-term Tracking





1

 When there's "too much data, too little clarity"...

What objective should we focus on?

A)  Enhance Clarity

B)  Ensure Timeliness

2

 Safety alerts are moving slower than a snail!

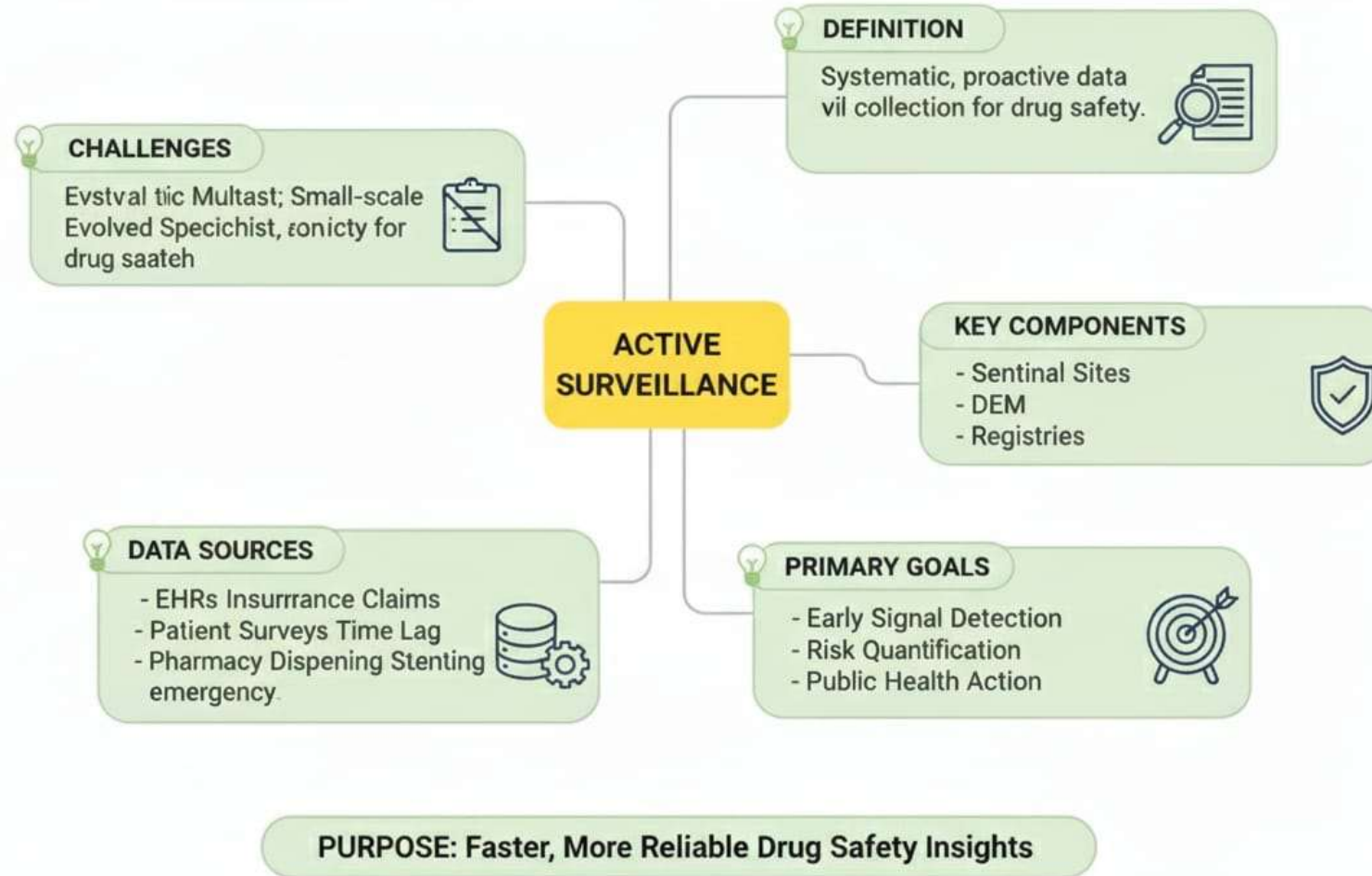
Which challenge does this represent?

A)  Information Overload

B)  Delayed Dissemination

# SUMMARY

## ACTIVE SURVEILLANCE

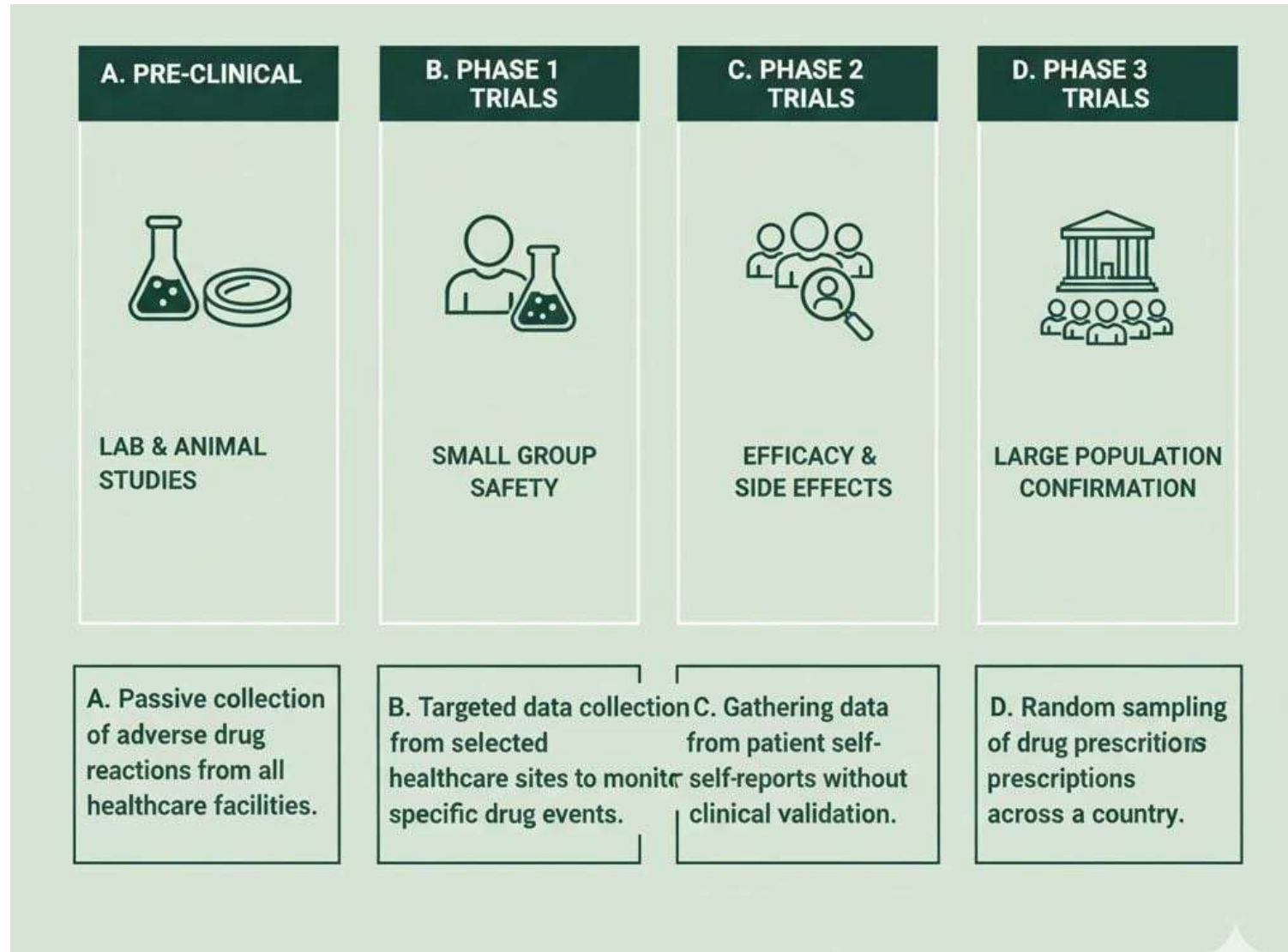




# CLASS ASSESSMENTS

1. Which of the following best describes sentinel surveillance in the context of active drug safety monitoring?
- a. Passive collection of adverse drug reactions from all healthcare facilities
  - b. Targeted data collection from selected healthcare sites to monitor specific drug events
  - c. Gathering data from patient self-reports without clinical validation
  - d. Random sampling of drug prescriptions across a country







## CLASS ASSESSMENTS

**What is the primary purpose of drug event monitoring in active surveillance systems?**

- a. To conduct clinical trials for new drugs
- b. B. To systematically detect and evaluate adverse drug reactions during routine use
- c. C. To register all patients prescribed with a particular drug for marketing purposes
- d. D. To monitor only over-the-counter medication usage



What is the primary purpose of drug event monitoring in active surveillance systems?

A

To conduct clinical trials for new drugs



B

To systematically detect and evaluate adverse drug reactions during routine use



C

To register all patients prescribed with a particular drug for marketing purposes



D

To monitor only over-the-counter medication usage





## CLASS ASSESSMENTS



### **3. In the context of active surveillance, what role do patient registries primarily serve?**

- a. To provide anonymized data for general healthcare research
- b. To continuously collect detailed information on patients exposed to specific drugs or conditions
- c. To track sales data of pharmaceutical products
- d. To monitor hospital admissions unrelated to medications





# CLASS ASSESSMENTS

In the the context of active surveillance, what role do patient registries primarily serve?



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## REFERENCES

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Thank  
you!