

Sentinel's science:

Providing useful information

- **Rapid response (situational awareness) and**
- **Support/refute suspected problems (hypothesis testing)**
 - Capabilities:
 - Create and implement individualized protocols for each drug/outcome pair
 - Understand potential biases and ability to adjust for them
 - Identify and address differences over time and across sources
 - Understand utility of partial data, e.g., prescribing vs. dispensing
 - Access additional data for some individuals
 - Develop new methods for distributed analysis
- **Active surveillance for designated events**
 - All the “above” plus:
 - Coordinate multiple sites and activities in real time
 - Balance false positive vs false negative signals: policy, methods, practice
 - *Quickly* support/refute signals
 - Develop transparency and communications policy