Health Cyber Exercises for Patient Safety
Intelligence-Driven Exercises and Solutions (IDEAS) to Address Health Cyber

**PROBLEM:** As threats, technology, and organizations change at ever increasing speed, the healthcare sector must adapt to this dynamic environment through continuous validation and refinement of their assumptions, methods, and strategies.

**SOLUTION: APPLYING EXERCISES TO THE HEALTH CYBER PROBLEM**
IDEAS is a tabletop exercise (TTX) methodology - thoughtfully designed discussion-based events during which participants explore dynamic problem sets or threats in a unique way to challenge assumptions, methods, and strategies and bolster understanding.

IDEAS events target key individuals within an ecosystem and provide an opportunity to explore complex problems and capabilities in a realistic, controlled environment.

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**Approach**

MITRE works closely with healthcare delivery organizations and other stakeholders to scope the problem, define objectives, design the exercise, and execute the event.

We help build the foundational scenario describing the problem, environment, threat, or landscape along with a series of injects to steer the exercise.

**Participant discussions** are focused to address exercise objectives such as:
- Identifying knowledge gaps
- Challenging plans and protocols
- Understanding processes, roles, responsibilities, and information flow
- Refining communication and information sharing processes
- Understanding decision making in the event of a disaster or emergency, etc.

**Exercise Outputs**
- Data-driven technical products & actionable recommendations that impact objectives
- Learn how to deal with current/emerging threats
- Challenges to threat responses
- Inform decision making
- Risk mitigation
- Validate operations & processes
“We experienced a brief systemwide downtime and the role of the exercise in preparing teams for that event has been mentioned in every debriefing.”

Examples of MITRE’S Past Exercises

- **Economic TTX**
  - Indicators and Warnings (I&W) of an attack on the U.S. Economy

- **FEMA**
  - Emergency preparedness, response, & disaster recovery of a natural or manmade disaster