Learning Question 1: What are the contributions of systems thinking approaches and tools to changes in health system outcomes? How do systems thinking approaches affect health system outcomes?

Improving TB Case Detection through High-Quality Health Systems Approach

**CONTEXT**
- Understanding and fostering the prioritization of TB in health systems.
- EQHA is facilitating a process through CENAT and health providers. This synergistic combination of EQHA and governmental efforts supports the national quality enhancement of TB care.

**CHALLENGES**
- Health systems need to overcome barriers to effective TB management, such as low health system resiliency and sustainability.
- Improving TB diagnosis requires a comprehensive approach, involving health institutions and systems.

**EVIDENCE**
- A retrospective study from 2017–2021 of 245 health facilities in Cambodia measured the change in TB screening and treatment among outpatients.
- Results showed a significant increase in TB screening and treatment among outpatients, with a decrease in the number of undiagnosed cases.

**LESSONS LEARNED**
- Systems thinking approaches are critical for optimizing the health system to improve quality of care.
- Integrating TB clinical vignettes into the National Quality Enhancement Model (NQEM) can enhance TB screening and diagnostic procedures.

**ACTIVITY IMPACT**
- EQHA supported the National TB Control Program in Cambodia to improve TB case detection through high-quality health systems.
- Key activities include:
  - Training health facility teams in quality improvement techniques.
  - Identifying and prioritizing problems that need to be addressed.
  - Implementing teleconferencing equipment to link all facility levels.
  - Improving the health facility's performance by engaging all players of the health system.

**FACILITATORS**
- EQHA facilitated a process through CENAT and the health providers. This synergistic combination of EQHA and governmental efforts supports the national quality enhancement of TB care.

**CONCLUSION**
- Systems thinking approaches and tools contribute significantly to changes in health system outcomes.
- Health systems can be strengthened to improve the quality of care and outcomes for TB patients.

**RESOURCES**
- The National Tuberculosis and Leprosy Control Program (NTLP) of the Cambodia Ministry of Health. For more details on how to support TB control efforts, please see [this link](https://www.equa.org/cambodia/).