

HEALTHCARE TRANSFORMATION SINGAPORE 2008

Critical thinking in quality innovation

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KEY MESSAGE

Quality improvement RESEARCH should be appraised just like any other sort of research

STRUCTURE OF THIS SESSION

- **Can be informal and flexible**
- **Read the paper**
- **Discuss the paper (general reactions)**
- **Answer the ten questions on the sheet**
- **Tea break about halfway through**

- 1. To what extent does Edmondson's paper fulfil the criteria for quality improvement research?**

2. What was the research question?

3. What was the research design? Was this appropriate to the question?

4. What was the theory of change/improvement, implicit or explicit?

5. What was the sampling strategy and sample size? Were these appropriate?

6. What data collection methods were used? Were these appropriate?

7. What data analysis methods were used? Were these appropriate?

8. What were the main findings? To what extent do you trust them and why?

9. What conclusions did the author draw from her findings? Were these justified?

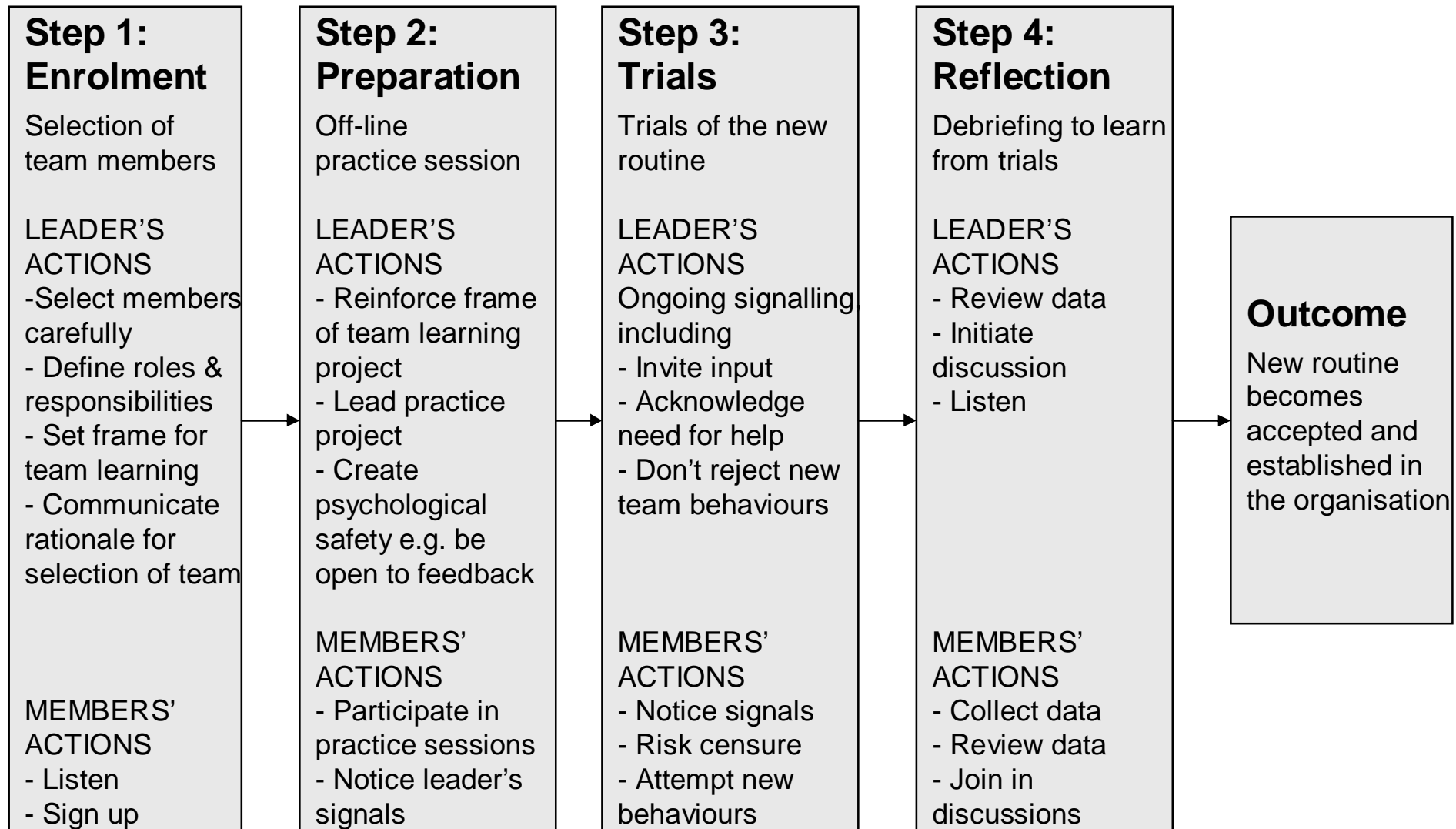
10. To what extent are the conclusions transferable to other contexts and settings? Why?

SUMMARY: EDMONDSON'S STUDY OF MICS

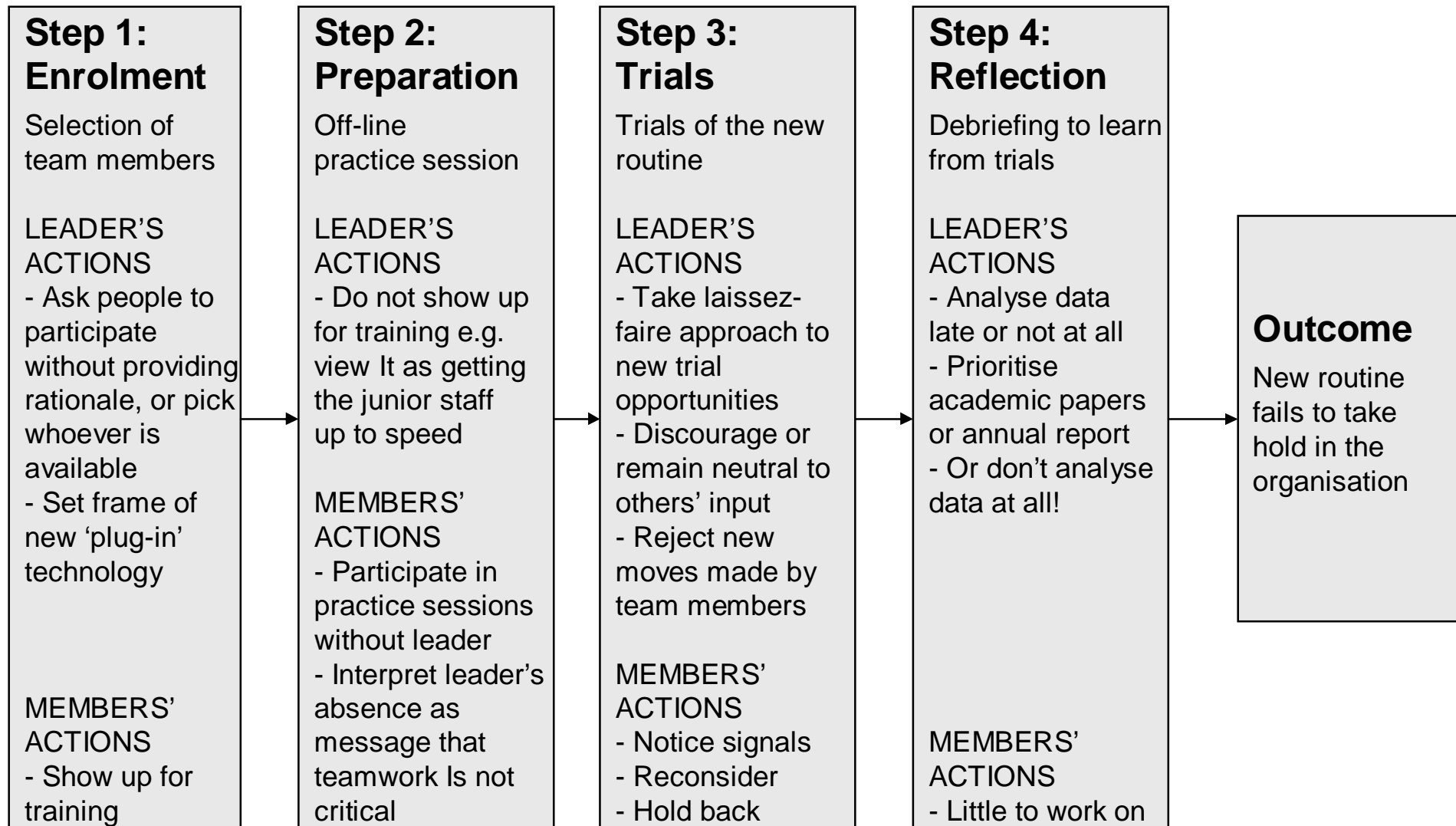
- Qualitative study of 16 hospital cardiac surgery teams implementing a new way of working (minimally invasive cardiac surgery, MICS)
- Wide variation in success
- Compared the 7 most successful teams with the 7 least successful

Edmondson A et al.
Administrative Science Quarterly 2001; 46: 685-716
Qual Saf Health Care 2004; 13 (Suppl II): ii3-ii9

WHEN MICS WAS SUCCESSFULLY ROUTINIZED



WHEN MICS WAS NOT ROUTINIZED:



Thank you for your attention

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