



Health Services Safety
Investigations Body

Learning resource

Introduction to the Systems Engineering Initiative for Patient Safety (SEIPS)

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About this learning resource

Type: video lecture

Audience: Learners with roles in healthcare safety investigation, including investigation, commissioning, oversight and involvement.

Duration: 8 minutes

Objectives: By the end of this resource, you will be able to:

1. Understand why you would use SEIPS in an investigation.
2. Explain the elements of the SEIPS framework in their relation to a patient safety event.
3. Justify the use of SEIPS as part of a safety investigation.

Watch the video

Competency mapping

Includes introduction to the following competencies [1]:

- 22.1 Uses human factors and ergonomics/safety science informed methodologies (i.e. models, frameworks, thinking or principles) to guide the design and conduct of an investigation.
- 25.1 Demonstrates the use of investigation principles, chosen framework and methods to undertake a systems based analysis.
- 25.3 Explores interactions, identifies emergent themes, and determines implications of findings across the work system.

[1] Lim, R., Hide, S., et al. (2026) Development of a competency framework for healthcare safety investigators: a modified e-Delphi study. Safety Science, 198, 107161. DOI: [10.1016/j.ssci.2026.107161](https://doi.org/10.1016/j.ssci.2026.107161)

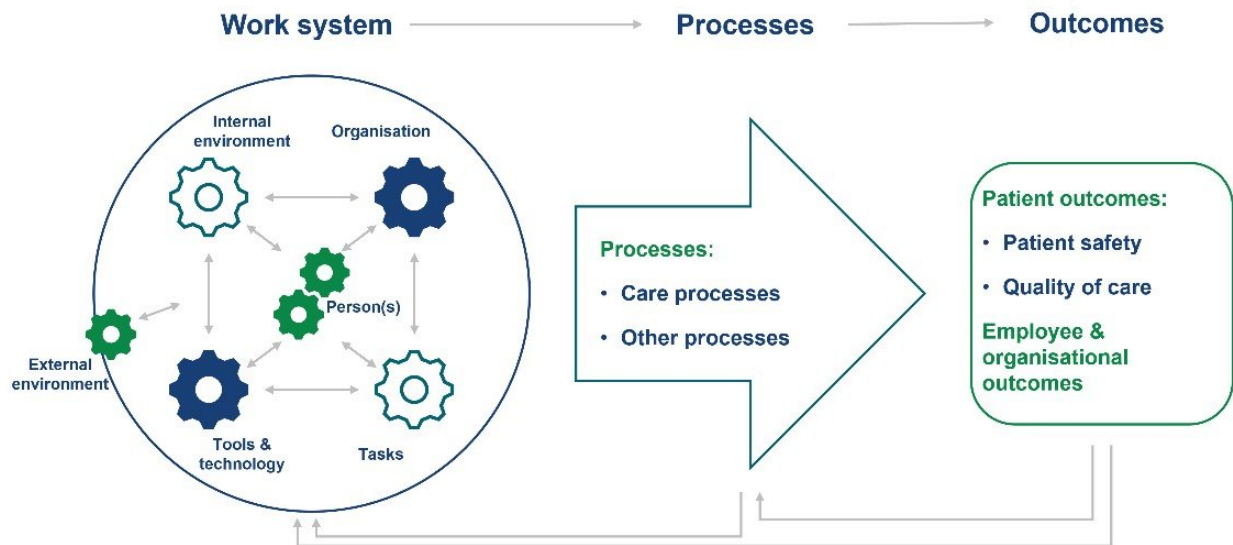
Further reading

- Holden et al, (2013) – [SEIPS 2.0: a human factors framework for studying and improving the work of healthcare professionals and patients](#)
- Holden and Carayon (2020) – [SEIPS 101 and seven simple SEIPS tools](#)
- HSSIB – [Sepsis: investigating under the Patient Safety Incident Response Framework](#)

- HSSIB – Unintentional overdose of morphine sulfate oral solution
- HSSIB – The investigator's toolkit: SEIPS

Key images

The Systems Engineering Initiative for Patient Safety (SEIPS)



Adapted from Holden et al, (2013) – SEIPS 2.0: a human factors framework for studying and improving the work of healthcare professionals and patients

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