

System factors affecting intraoperative risk and resilience: applying a novel integrated approach to study surgical performance and patient safety.

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<https://psnet.ahrq.gov/issue/system-factors-affecting-intraoperative-risk-and-resilience-applying-novel-integrated>

Health systems weaknesses can [hinder](#) safe patient care. Based on recordings of complex laparoscopic general surgery procedures, this qualitative study identified both safety threats and resilience supports across multiple [systems engineering categories](#). Safety threats associated with the physical environment (e.g., workspace design/setup), tasks, organization (e.g., unsafe staffing), and equipment (e.g., unclear instructions) were most common. [Resilience](#) supports were primarily attributed to clinician behaviors.