Resident Comfortableness with Digital Surveillance in Surgical Training

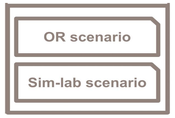
Elmira Deldari[1], Andrea Kleinsmith[1], Helena Mentis[2], [1]University of Maryland, Baltimore County, [2]Drexel University``

Determine surgical residents' comfortableness with data collected via digital technologies and shared with stakeholders and third parties

SORTING ACTIVITY WITH GENERAL SURGERY RESIDENTS



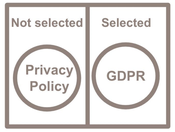
First, we presented technologies capturing resident data



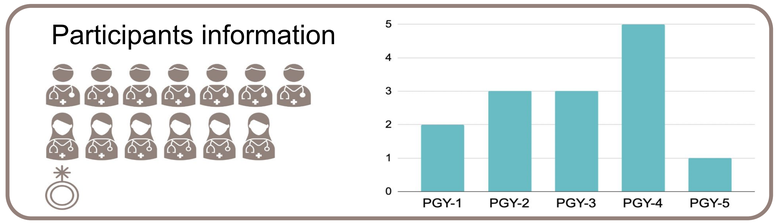
Then, shared operating room & simulation lab scenarios



Participants sorted 12 stakeholders as comfortable/not comfortable

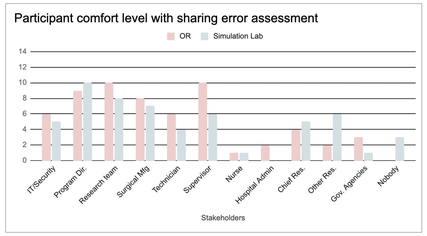


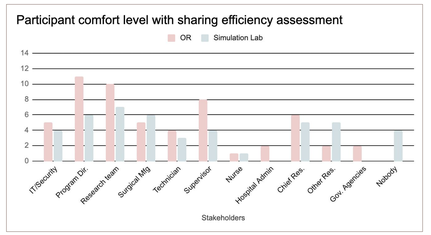
Finally, they selected desired data protection standards

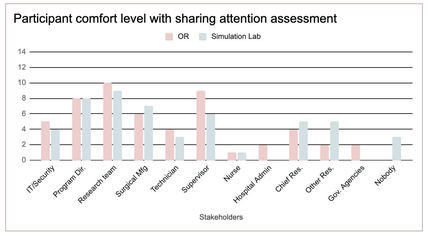


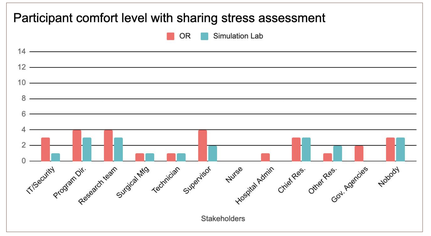
RESULT 1: UNWILLINGNESS TO SHARE STRESS ASSESSMENTS

- No significant difference in comfort for stakeholder access for error, efficiency, and attention but significant for **stress assessment (p = 0.01)**
- Significant differences in comfort across **stakeholders** for error (p = 0.001), efficiency (p = 0.01), attention (p = 0.0003), and stress (p = 0.0009)

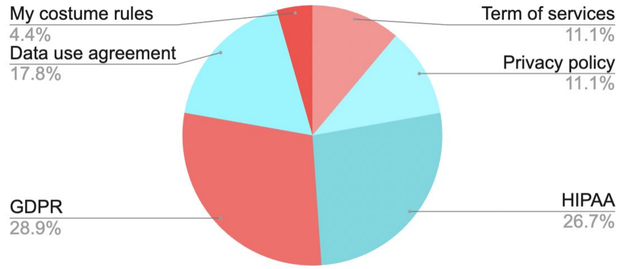








RESULT 2: GDPR AS THE MOST TRUSTED PRIVACY STANDARD



KEY TAKEAWAY

- **Participants' comfort varies based on who accesses the data**
- **No current standards differentiate data access by stakeholder roles**
- **Residency programs should implement safeguards to limit data access**