E-PRIS
Electronic Patient Records In Simulation

"E-PRIS – Electronic Patient Records in Simulation"

Using a Simulated Electronic Patient Records System to improve fidelity in Inter-professional Simulation Teaching

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BACKGROUND

- Electronic Patient Record systems are a digital record of patient information and are increasingly being used in clinical settings. They offer many advantages in terms of patient care.

- Simulated electronic patient record systems, when used in medical education, have been shown to offer several possible benefits to the learner such as increasing students' perception of preparedness to use an electronic patient record system as well as helping to prevent mistakes in patients' medical records[1,2]

- Anecdotal, verbal feedback from our students following current simulation teaching suggests that some clinical fidelity is lost when using our current simulated paper-based system.

AIM

- To create a simulated electronic patient record for use during simulation teaching for senior medical and nursing students at Edinburgh University.

- To gather initial feedback regarding acceptability and usability as an educational tool
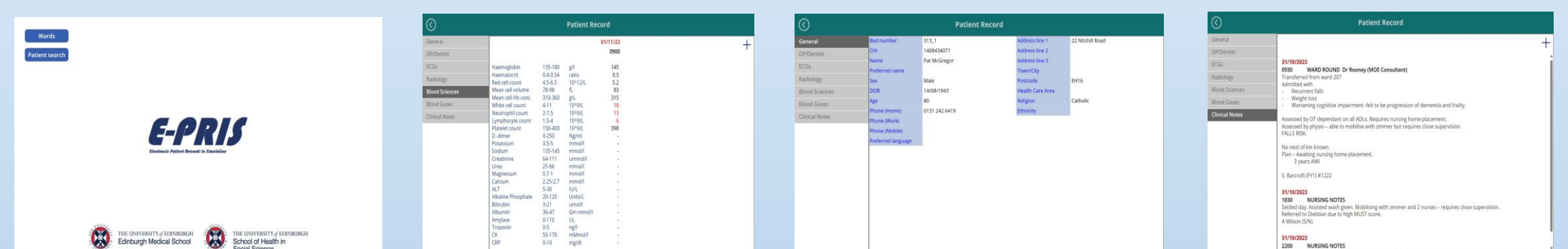
REFERENCES

1. Ruth Everett-Thomas et al. Using virtual simulation and electronic health records to assess student nurses' documentation and critical thinking skills
2. Sweeney, Amy B., Catherine Y. Morse, and Carol Carofiglio. "Integrating Simulated Electronic Health Record Patients Across Multiple Nursing Courses." The Journal of nursing education 58.8 (2019): 495–496. Web.

METHOD

- At Edinburgh Medical School, the Clinical Skills Team, in collaboration with nursing and information services colleagues, created a simulated electronic patient record system, E-PRIS (Electronic Patient Records in Simulation)
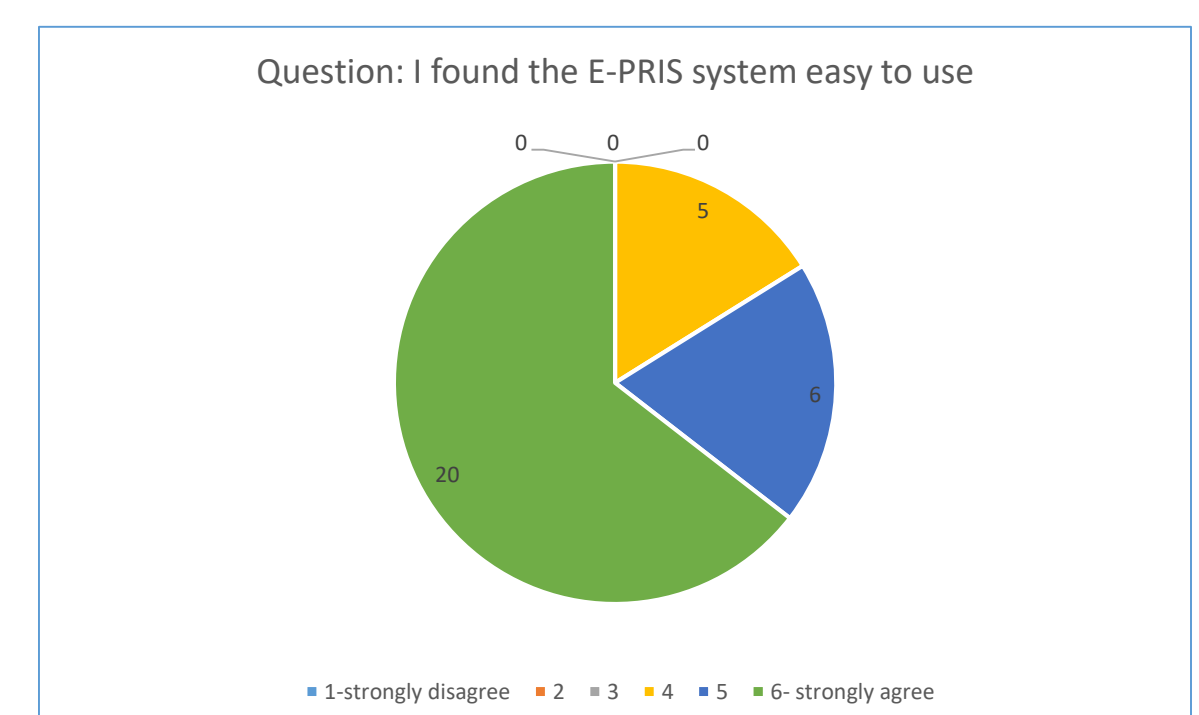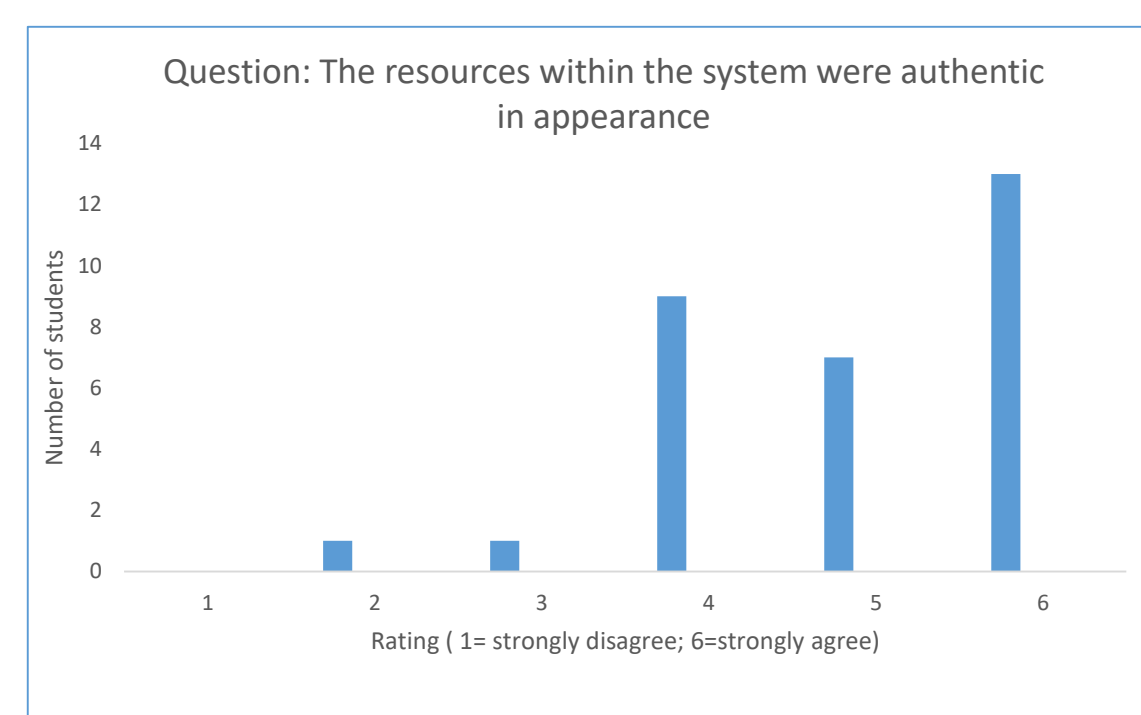

Screenshots from E-PRIS system

- In use since August 23 during Interprofessional Acute Care Simulation Sessions
- Post-session feedback gathered via an online Microsoft Form looking at past experience of similar systems, usability and fidelity

RESULTS

- 31 responses between August-October 2023
- 63% of students had used an electronic patient records system before

"I think it was really helpful"

"Please could we use these more"

"A really good addition to the simulation – thanks!"

"Was fairly good for a SIM session"

CONCLUSIONS

- Medical and nursing students are using electronic patient records in clinical areas
- Designing a simple, simulated version of an electronic patient record is achievable, acceptable to students and may help to increase fidelity during simulation teaching.