

Developing research knowledge and capability in undergraduate nurses: a pilot research elective

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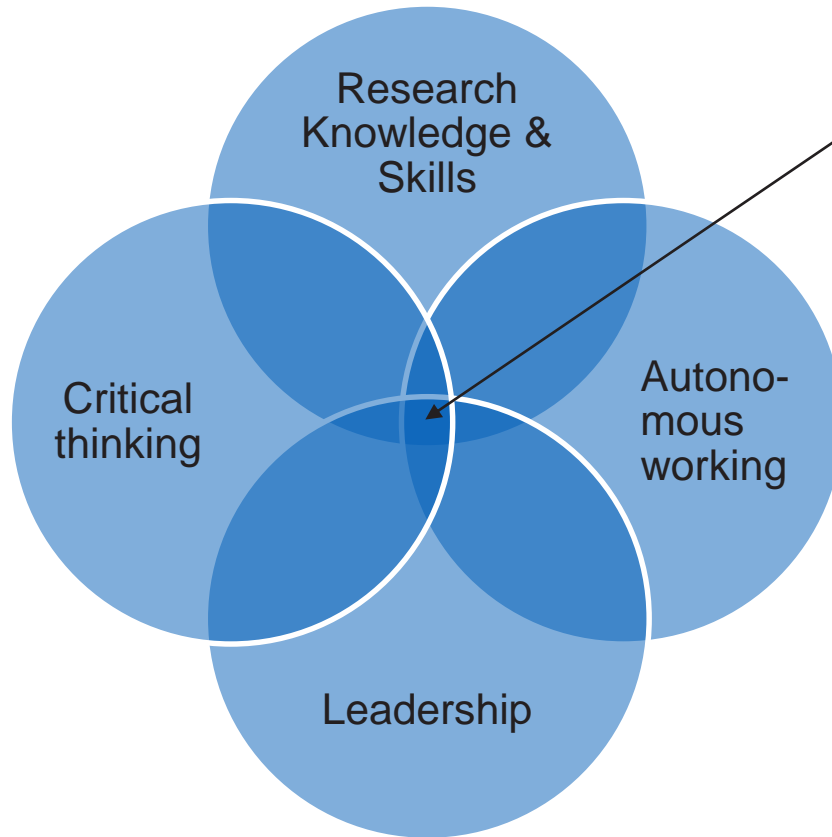
By your side

Presentation aim

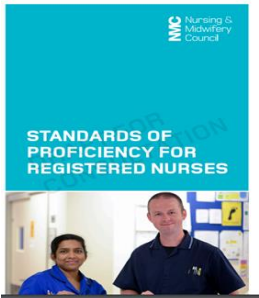
- Background
- Aims and objectives of the project
- Method
- Results
- What's next?



Background: Nurse education



Registered nurse workforce



Aim & Objectives

Aim:

To provide a unique opportunity to gain experience, knowledge and skills in research, audit / service improvement conduct.

Objectives:

- Actively participate
- Gain knowledge and skills
- Literature searching
- Communication skills
- Presentation skills



Method

- Second-year nursing students approached (n=113)
- All fields of practice
- Four-week research elective (July-August 2017)
- Projects 'sought out'
- Supervision: multi-disciplinary
- Projects registered audit / service improvement
- Individualised plan
- Evaluation: anonymised electronic survey students
- Data analysis: descriptive statistics & thematic analysis



Method



Hydration Care Bundle Validation



Endotracheal Tube (ETT) Fixation

Pain and Sedation Audit

Vascular Access Audit

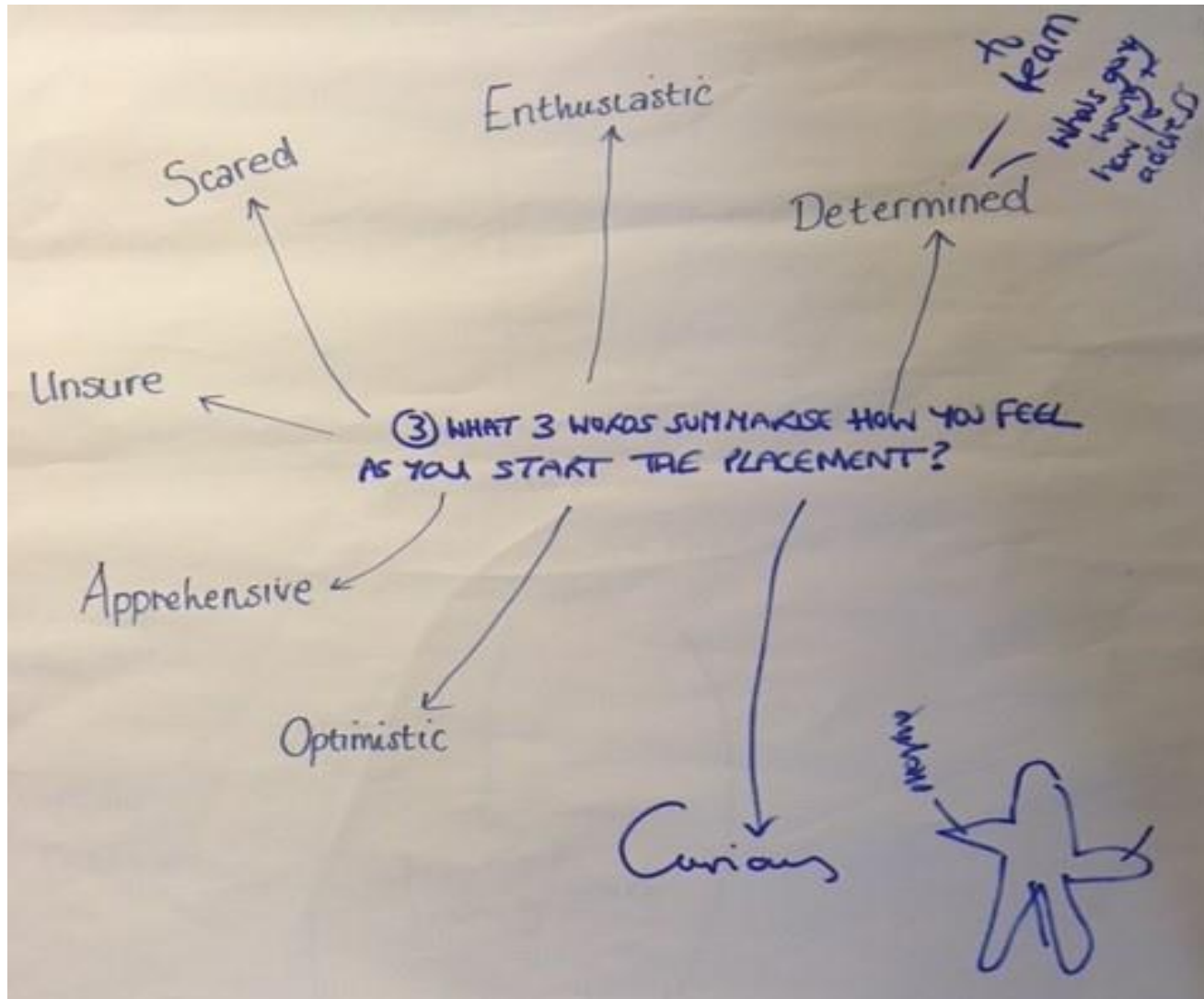
Small Patient Label

Data Collection Date		Completed
Site	Ward	Yes
1. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
2. Has the patient been assessed for hydration needs?	Yes	Yes
3. Have hydration needs been met?	Yes	Yes
4. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
5. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
6. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
7. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
8. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
9. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
10. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
11. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
12. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
13. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
14. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
15. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
16. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
17. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
18. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
19. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes
20. Has the patient been assessed for hydration needs in past 24h?	Yes	Yes

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Pre-placement



'Typical day'

08.00: Meet with supervisor

08.30: Develop data collection tool

Pilot / refining

Audit

Observations of care

Data analysis

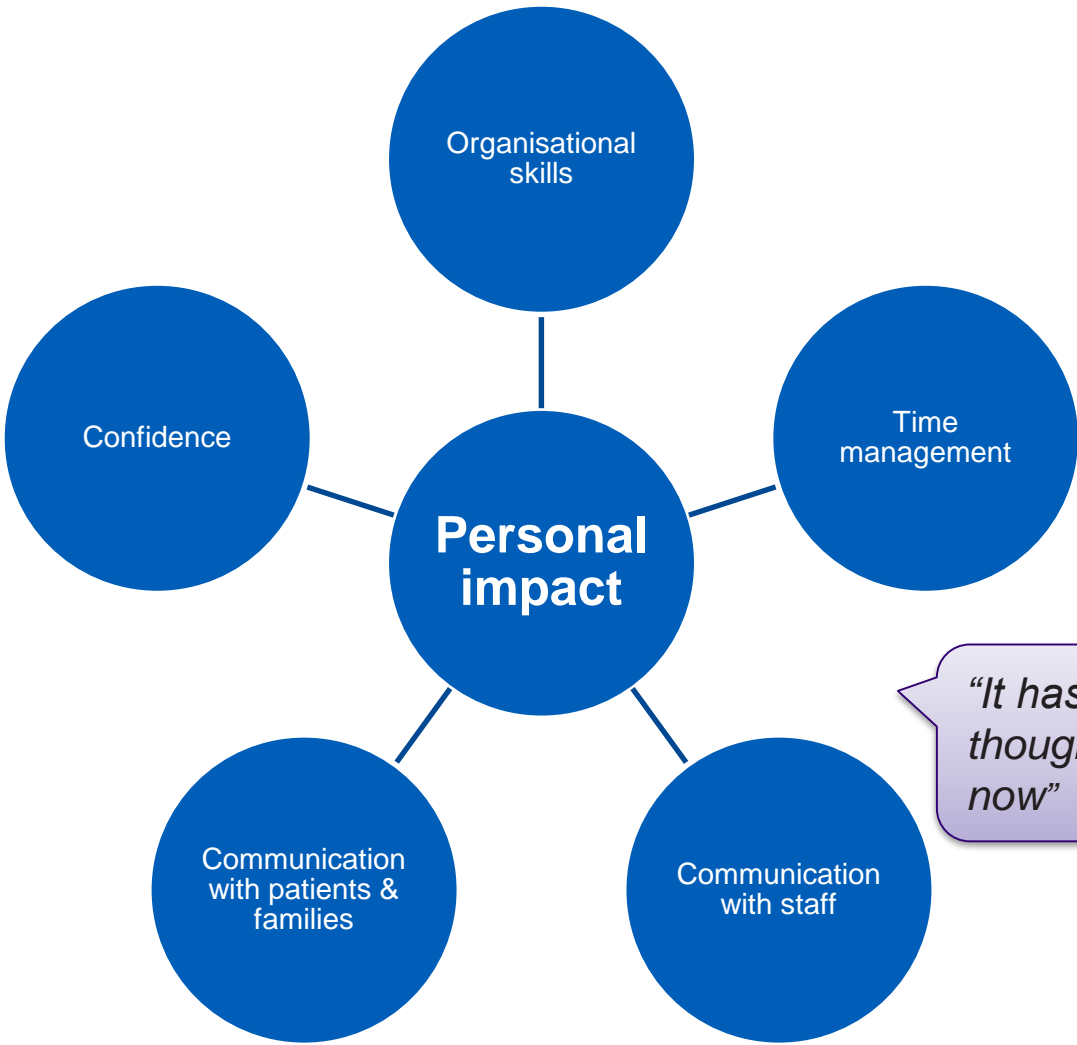
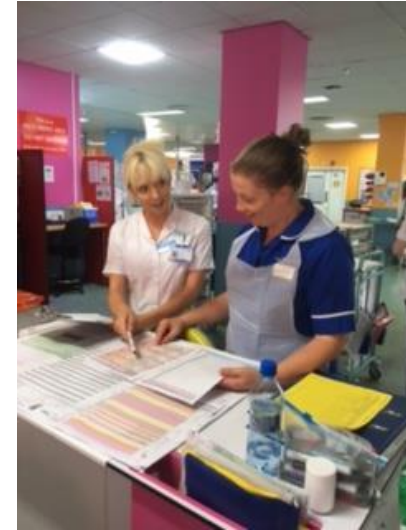
Developing recommendations

Literature searches

16.00: Finish



Results: Impact on students



“It has pushed me to achieve more than I ever thought I could. So I will always push myself now”



Results: Impact on students



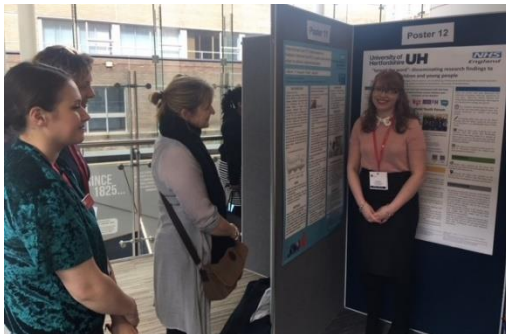
Results: Impact on organisation

- Set the Trust objectives
- Identified further audit / research
- Positive experience for supervisors
- Senior Manager: valued skills of future workforce



“During all of their presentations the standard and quality of the student nurses’ work was outstanding.. This core group of student nurses are truly inspiring and will be a credit to our profession. PICU would be happy to welcome more students in 2018 to help inform improvements to patient care and management .” (Clinical Lead Nurse, PICU)

Results: dissemination



The 7th Congress of the
EUROPEAN ACADEMY OF PAEDIATRIC SOCIETIES
October 30 - November 3, 2018, Paris, France

A Joint Scientific and Educational Event of
EAP, ESPNIC and ESPR



Recommendations & future work

- Projects: develop & grow
- On-going evaluation: Cohort 2017
- Cohort 2018 in progress
- Cohesion with academic requirements
- Dissemination: regional practice placements
- Dissemination: HEI



Limitations

- Pilot project: only 6 students
- One HEI provider
- 'Elective'
- No funding



Conclusions

The pilot research elective enabled nursing students to undertake high-quality, clinically-focused audits and service improvement projects.

Future plans include expanding the elective within UoB and across HEIs. Sustainability to be addressed by practice placement and HEI areas



Acknowledgements

Thank you to all 6 students who participated with the elective

Thank you to the PIC research team and hydration project team who helped to support the students.

Any questions?

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