



Using Online Deliberate Practice to Develop Interprofessional Communication Skills in Pre-Licensure Nursing Students

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INTRODUCTION

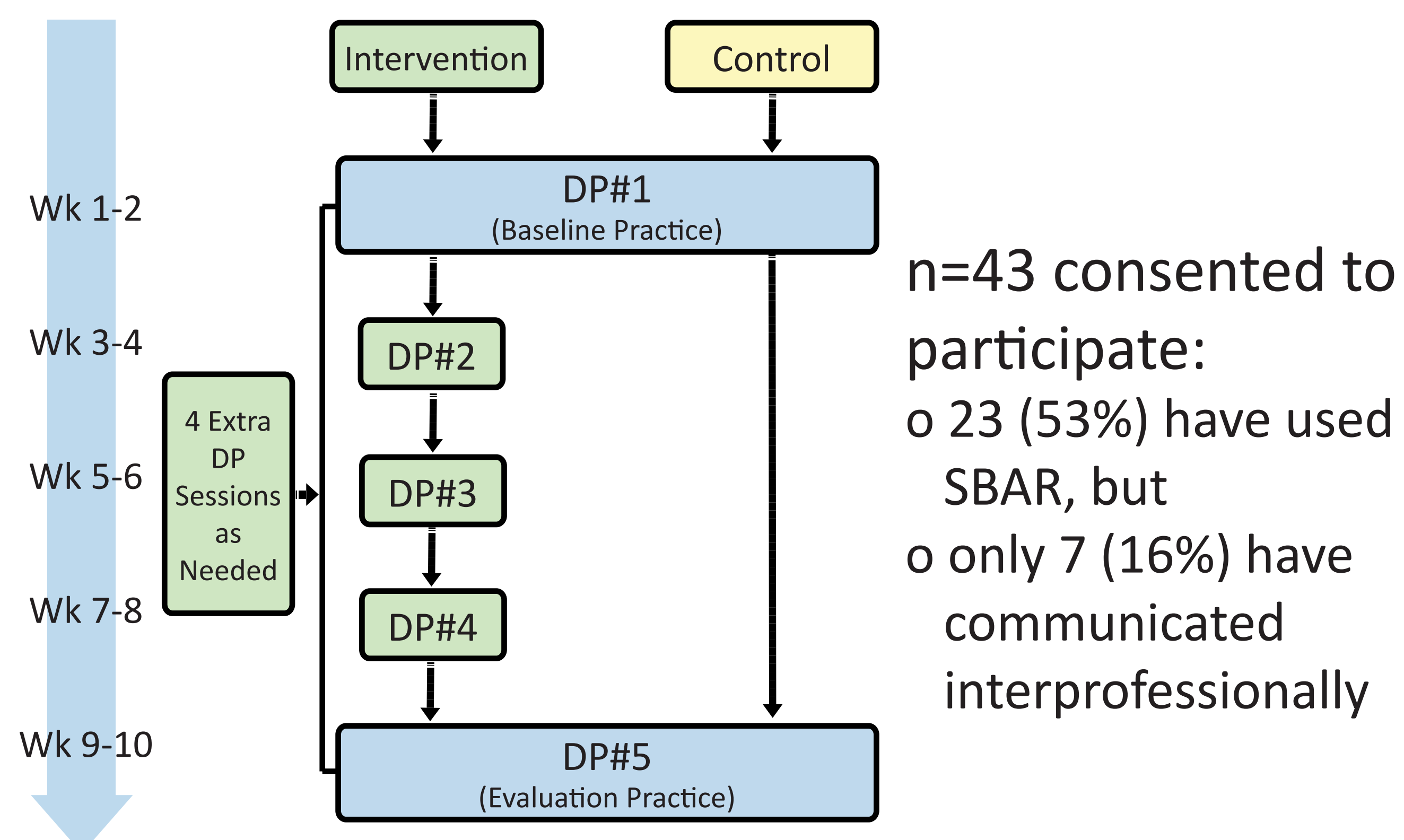
- Interprofessional communication skill is critical in the QSEN teamwork and collaboration competency
- SBAR is an evidence-based standardized communication tool to facilitate communication³
- Students have few opportunities to develop competency before graduating²

OBJECTIVES

- Pilot test the impact of using **online deliberate practice (DP)**¹ sessions to develop pre-licensure nursing students' interprofessional SBAR reports

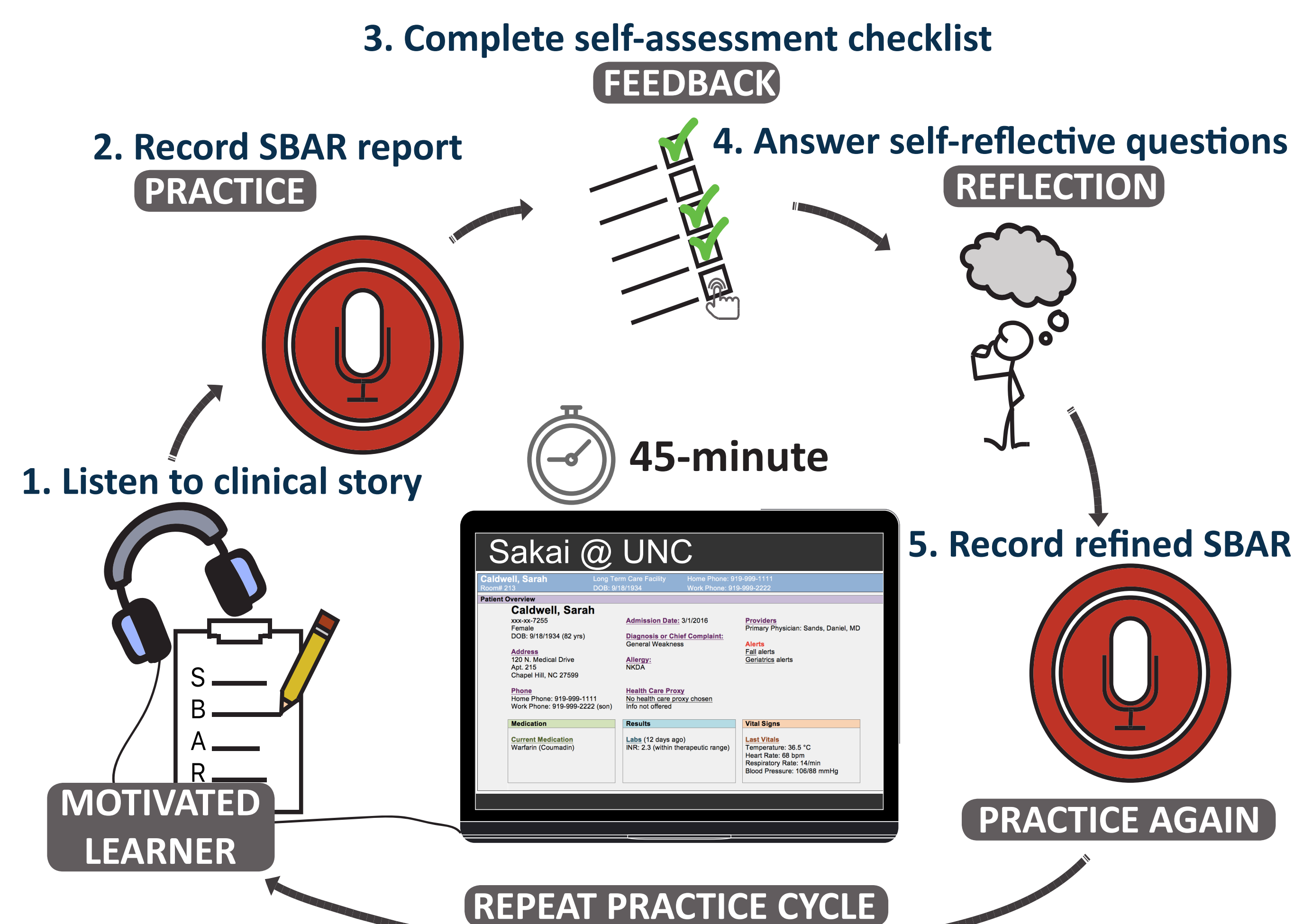
STUDY DESIGN

- Two-group experimental study
- Target population: 81 BSN students from a 10-week online nursing course
- Evaluation survey conducted at the end of study



INTERVENTION: DP SESSION

- DP is guided intentional repetitive practice with the goal to achieve higher performance¹
- Application of the DP framework to the education intervention:



RESULTS: OVERALL

- Basic group demographics:
 o Randomized into control n=21 and intervention n=22

Group	n	Female	Age	2nd Degree*	Work History in Healthcare*
Control	21	76%	24yrs	43%	52%
Intervention	22	86%	23yrs	5%	17%

* significant between group differences (p -value < 0.05)

- End of study evaluation n=46
 o Control: n=18; Intervention: n=14; Other: n=14
 o 93% were satisfied with the experience
 o 87% perceived making improvement in SBAR
 o 86% recommended offer DP Sessions to peers

RESULTS: PRELIMINARY

- Confidence & performance score in SBAR reporting increased in both groups
- Post-scores in confidence and performance are higher in the intervention group, controlling for pre-score, 2nd degree, and work history in healthcare (p -value = 0.0149* & 0.0576 respectively)

Confidence Level Change (from pre to post)

Group	n	Mean Change	Std Dev	p-value
Control	20	2.10	2.17	0.0004*
Intervention	21	3.36	2.48	<0.0001*

Performance Change (from pre to post)

Group	n	Mean Change	Std Dev	p-value
Control	20	0.70	1.75	0.0896
Intervention	16	1.63	1.63	0.0042*

* significance p -value < 0.05

- Data analysis of student performance is ongoing

DISCUSSION/CONCLUSION

- Online DP sessions:
 o provide highly satisfactory practice experience
 o develop SBAR confidence & performance
 o adaptable in any educational setting

REFERENCES

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3. Randmaa M, Mårtensson G, Leo Swenne C, et al SBAR improves communication and safety climate and decreases incident reports due to communication errors in an anaesthetic clinic: a prospective intervention study *BMJ Open* 2014;4:e004268

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