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Streamlining Infection Prevention Orientation from Classroom Setting to Electronic Learning Module and N95 Respirator Fitting Process in a Tertiary Acute Hospital in Singapore



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Introduction

Every new hire are required to go through the Infection Prevention Orientation course and be mask fitted with appropriate respirator if they have a) patient contact or b) are handling specimens. The orientation would take an hour while the respirator fitting session will take approximately 1½ hours; this brings the total time to 2 ½ hours. Workflow was reviewed with the aim of reducing time spent on both Infection Prevention Orientation and respirator fit.

Methodology

Stage 1

- Infection Prevention Orientation course was launched in to an electronic learning platform
- New hire were then enrolled into the learning platform
- Email are sent to new hire to complete the electronic modules

Stage 2

- New hire reads Infection Prevention Orientation content materials
- New hire completes electronic competency quiz
- New hire need to achieve ≥80% passing rate

Stage 3

- New hire select respirator fitting session according to their own schedule within one month period upon hire
- New hire attend respirator fitting session

Stage 4

- New hire completes respirator testing on the same day



Results

The total time taken was reduced by 40% (from 2 ½ hours to 1 ½ hours) after introducing the e-orientation module.

Conclusion

Ensuring new hires are competent in Infection Prevention practices and that they are fitted with the appropriate respirator is of the utmost importance. With the introduction of the E-learning platform, learning becomes easier and more accessible for staff as they are able to assess the module at their own time. Staff comprehension of the E-orientation module can also be determined with staff having to perform an electronic assessment quiz at the end of the module.