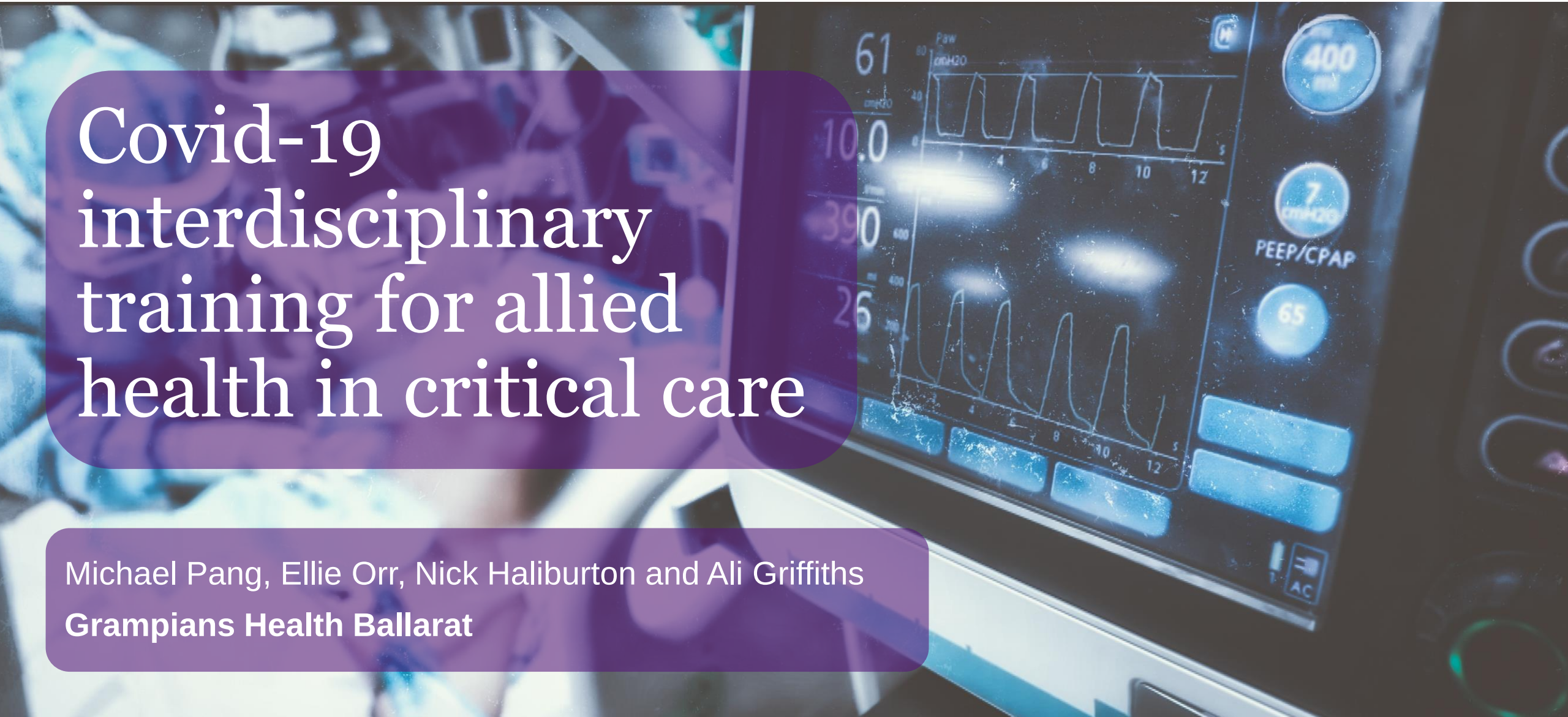
Grampians Health




# Covid-19 interdisciplinary training for allied health in critical care

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**Grampians Health Ballarat**

# Project Purpose

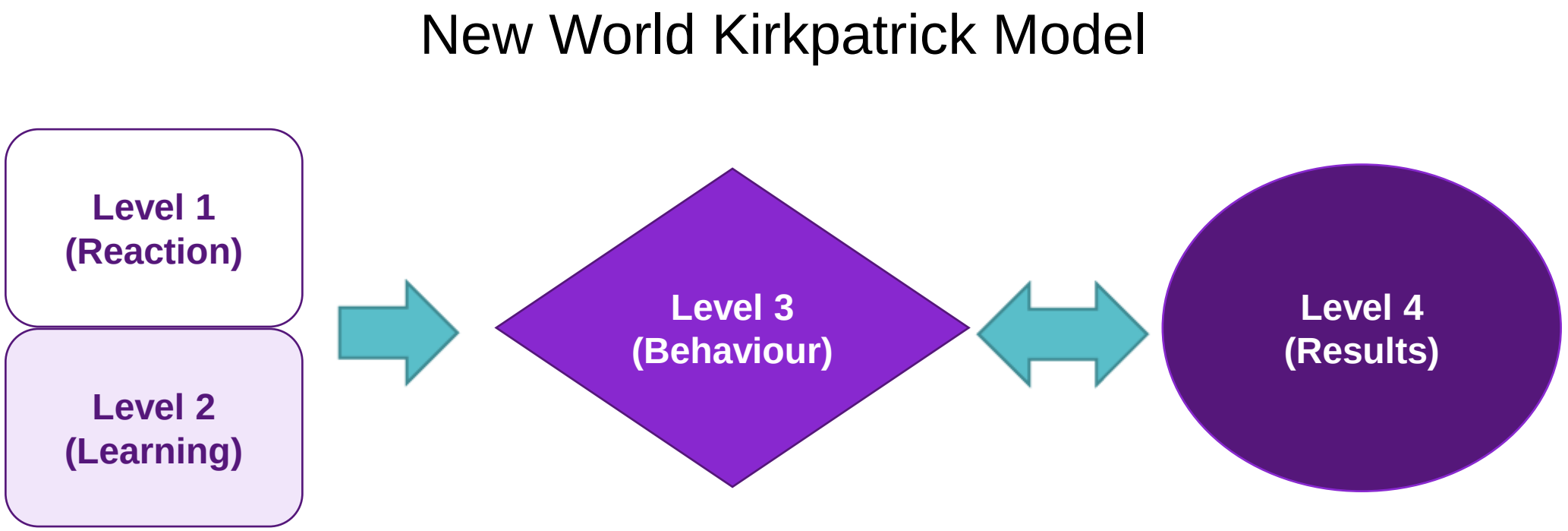
Develop a sustainable education framework to improve capacities in managing acutely unwell and critically unwell COVID-19 across Grampians Health. Developing capacities will improve current skills and expertise to foster collaboration, communication as well as site-based independence in preparation for management of COVID-19 and critical care surges.

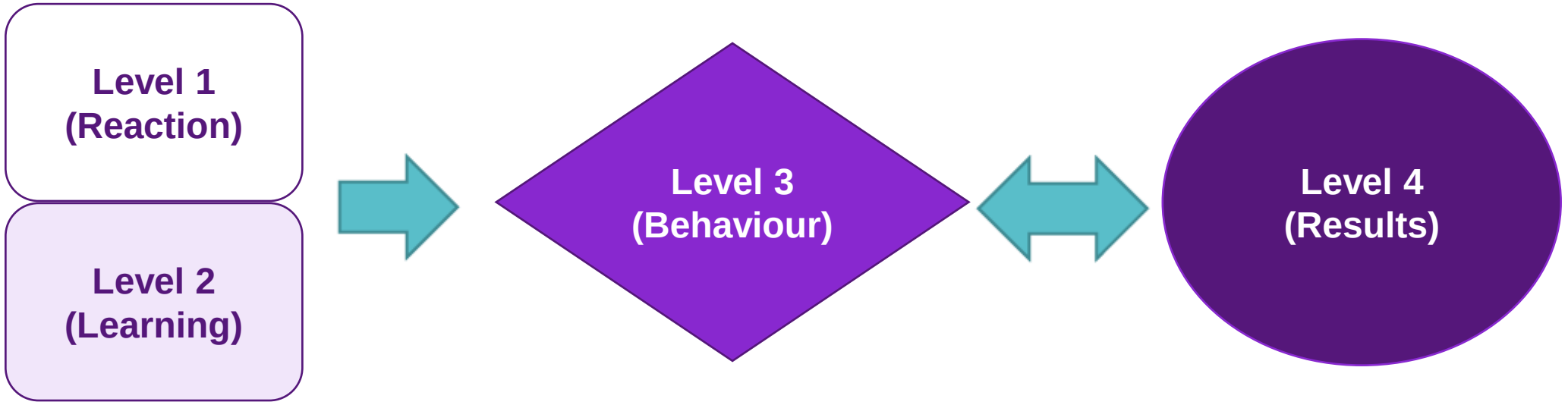
| Disciplines | Interprofessional | | | | Physiotherapy | | Speech Pathology | | Dietetics | |
|---|---|---|---|---|---|---|---|---|---|---|
| Level 3 | Alternative models of care (Team-Model & Split Team Model) | | Complex weaning of ventilatory support & Tracheostomy | | Proning - Protocol and Procedures | Mobilizing the Ventilated Patient | Communication (Ventilation or Tracheostomy) | | Model of care - metabolic cart interpretation, troubleshooting, education | |
| Level 2 | Caseload management and discharge planning for patients with COVID-19 (D, S, P) | Foundational Principles of Mechanical Ventilation (D, S,P) | ICU-AW and Early Rehabilitation (S, D, P) | | Clinicial Indications for Prone Positioning | Rehabilitation Post Critical COVID-19 | Swallowing with Tracheostomy | Dysphagia and dysphonia post extubation/decannulation | Metabolic Cart Application | Advanced Nutrional Management for Critical Care<br><br>- Nutrition risk<br>- Hormonal response<br>- Endrogenous substance utilisation<br>- Impact long ICU adm<br>- Nutritional impact of meds/therapies |
| Level 1 | Recognizing the deteriorating Patient (S, D, P) | Oxygen Supplementation (S, P) | Suctioning (S, P) | Communication & Cognition in the Critical Care Environment (S,D,P) | Positioning for Ventilation | | Communication options with tracheostomy and/or ETT | | Introduction to critical care nutrition: metabolic response to critical illness, nutrition assessment, planning nutrition interventions, monitoring. | |
| | Pathophysiology of COVID-19 (S, D, P) | Routine Cardiorespiratory Investigations (S, D, P) | Introduction to Critical Care (S, D, P) | | Routine ICU Respiratory Assessment | | Dysphagia management in critical care | | | |

# Modules for Evaluation

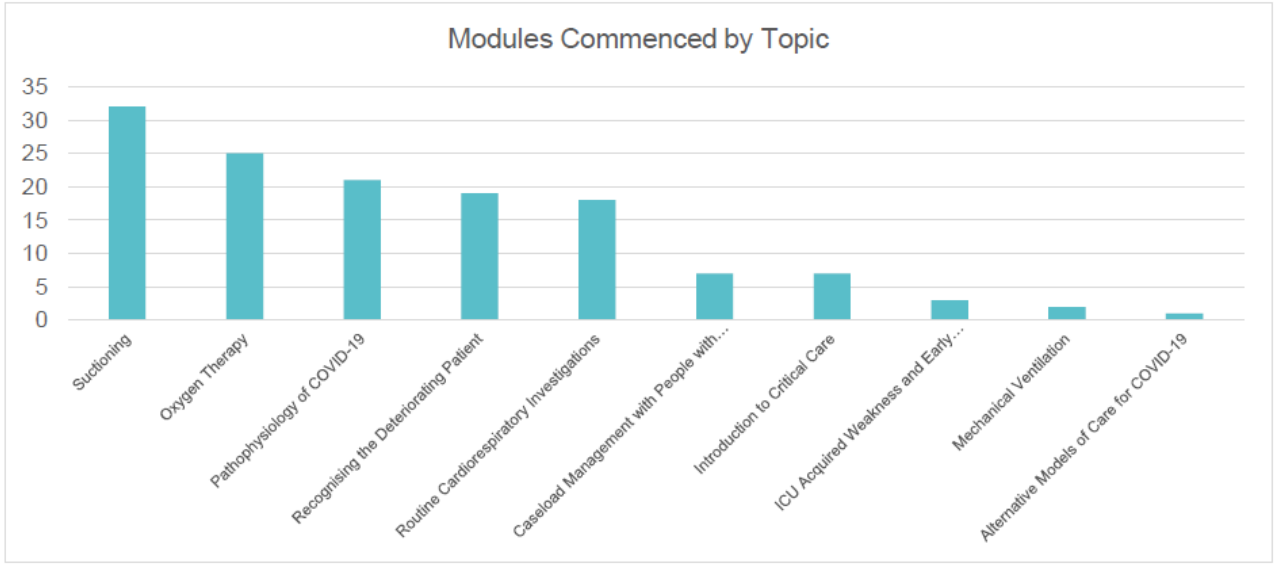
- Pathophysiology of COVID-19
- Recognising the Deteriorating Patient
- Oxygen Therapy
- Introduction to Critical Care
- Caseload Management for People with COVID-19
- Suctioning
- Routine Cardiorespiratory Investigations
- Mechanical Ventilation

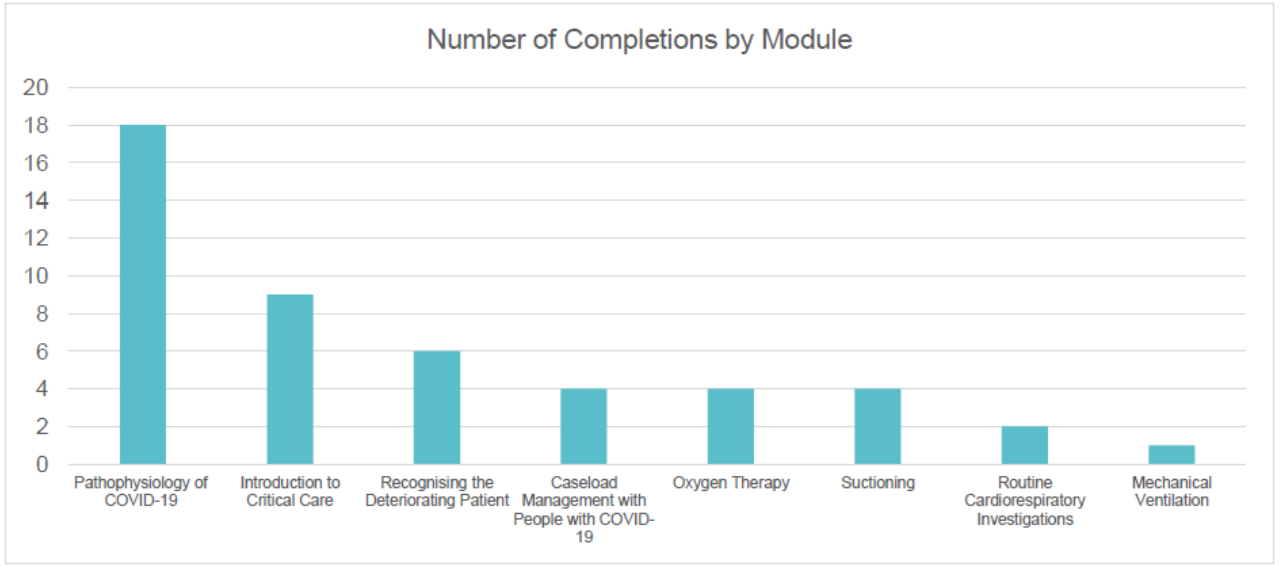
# Method


New World Kirkpatrick Model
Level 1
(Reaction)
Level 2
(Learning)
Level 3
(Behaviour)
Level 4
(Results)


Level 1
(Reaction)
Level 2
(Learning)
Level 3
(Behaviour)
Level 4
(Results)

## Level 1 (Reaction)



**Level 2 (Learning)**

**Level 3 (Behaviour)**

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# Observational peer assessments completed by clinical staff in the workplace

Performance Criteria

| Task Criterion | D | A | S | I | Comments |
|---|---|---|---|---|---|
| Learner able to access and locate CXR on Local hospital computer system. | | | | | |
| **Outlines systematic approach to CXR analysis:**<br>CXR Quality:<br>• Patient details<br>• Projection<br>• Patient Position<br>• Patient Rotation<br>• Exposure<br><br>Clinical Findings<br>A- Airways<br>B- Breathing<br>C- Circulation<br>D- Disability<br>E- Everything Else | | | | | |
| **Describes findings using systematic approach to CXR analysis:**<br>CXR Quality:<br>• Patient details<br>• Projection<br>• Patient Position<br>• Patient Rotation<br>• Exposure<br><br>Clinical Findings<br>F- Airways<br>• Trachea<br>G- Breathing<br>• Volume | | | | | |

Outcome

| | | | |
|---|---|---|---|
| Candidate meets the Competency Standard | ☐ | Candidate does not meet the Competency Standard | ☐ |

| | | | |
|---|---|---|---|
| Candidate Signature | | Assessor Signature | |
| Candidate Name | | Assessor Name | |
| Candidate Designation | | Assessor Designation | |
| Date Signed | | Date Signed | |

Recording Instructions

| Candidate | Assessor |
|---|---|
| Candidate is responsible for uploading completed rubric as per module description document. | Nil |

*Strongly Agree*

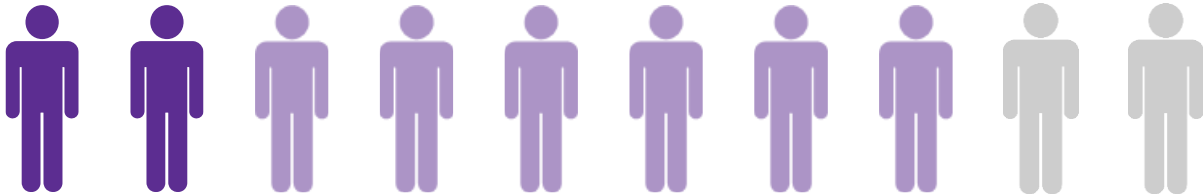
*Somewhat Agree*

**Level 4 (Results)**

**Relevance**
Perceived relevance to additional skills potentially required during a COVID-19 surge period.

**8/10**
FINDING

**Staff preparedness**
Response to *I feel more prepared to manage patients with COVID-19*.



**8/10**
FINDING

**Interest in allied health educational opportunities**
Response to *I would like to see more internal education opportunities within Allied Health at Grampians Health*.

**10/10**
FINDING

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CPAP/PSV
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# References

Kirkpatrick JD, Kirkpatrick WK. Kirkpatrick's four levels of training evaluation. Association for Talent Development; 2016.

# Thank you

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