



## MEET THE INTENSIVE CARE RESEARCH TEAM

This month we are delighted to showcase the Intensive Care Unit, who have an active research and clinical trials program.

Bendigo Health Intensive Care Unit (ICU) is a 20-bed Level II facility, funded to support up to eight 'ICU-equivalent' patients at any time. More than 1,000 intensive care and high dependency patients receive care in this unit each year. It is the largest intensive care facility in the Loddon Mallee region, and one of the busiest regional units in Australia.

The ICU consider their research program essential to help them become a Level III qualified ICU tertiary referral unit, and to give equitable access to modern critical care research to regional and rural patients.



Since 2005, the ICU have participated in numerous clinical trials audits, quality improvement projects and in ongoing registry data collection.

In addition to five clinical audits/improvement activities, the ICU has four active clinical trials, with over 300 patient enrolled:

- REMAP-CAP- Investigating the optimal set of treatments for community-acquired pneumonia (CAP).
- ARISE FLUIDS- Compares two strategies of fluid and vasopressor management for haemodynamic resuscitation of patients with early septic shock.
- MEGA-ROX- Compares conservative oxygen therapy with liberal oxygen therapy in mechanically ventilated patients.
- LOGICAL- Investigates whether conservative oxygen therapy increases survival with a favourable neurological outcomes compared to liberal oxygen therapy.

In upcoming weeks, the team will begin the following clinical trials:

- DRIVE RCT trial which will compare Driving Pressure-Limited Ventilation (DPL) to Conventional Lung-protective Ventilation (LPV).
- ICU RESOLVE-D Study: A comparative effectiveness trial of virtual peer support, an ICU recovery booklet, and usual care.
- SODa-BIC: Aims to assess if, among adults in the ICU with metabolic acidosis and vasopressor dependency, which infusion best reduces Major Adverse Kidney Events

Pictured from left. ICU research coordinators Catherine Boschert and Julie Smith.

## RESEARCH SEMINAR SERIES

The third Research Seminar Series session for 2024 will be held:

**Tuesday 20th August**

**1.30-2.30pm**

**in the IPU Staff Hub – 6D.10/11**

Topic: “Research Methods- What method suits your research?”

Please email:

[randd@bendigohealth.org.au](mailto:randd@bendigohealth.org.au)

to register your attendance

## RESEARCH WEEK: CALL FOR ABSTRACTS

**Close of abstract submissions:  
Friday 2 August 2024**

The abstract submission form is available at [www.bendigohealth.org.au/researchevents](http://www.bendigohealth.org.au/researchevents)

Theme: ‘Improving Care, Changing Lives’  
Anyone who has done any research over the past year is encouraged to submit -  
If you need help, just ask.

Or follow the QR code



THE COUNTDOWN IS ON:

WEEKS UNTIL RESEARCH WEEK (14 – 18 OCTOBER) = 12 WEEKS  
DAYS UNTIL RESEARCH SHOWCASE (18 OCTOBER 2024) = 87 DAYS