

A randomised controlled trial of the use of a respiratory function monitor to teach neonatal mask ventilation to healthcare professionals in a simulation setting

ACTRN12616000542493

Status	RECRUITING
Sponsor	Centre for Research Excellence and Newborn Research Centre, Royal Women's Hospital Melbourne
Enrollment	382 participants

Plain Language Summary

This study is testing whether using a device that measures breathing function in real time — called a respiratory function monitor — during training helps healthcare workers learn how to correctly give breaths to newborns who are not breathing at birth. Even small improvements in how well a mask fits a baby's face can save lives. Participants will be randomly assigned to learn the technique with or without the monitor feedback.

You may be eligible if:

- You are 18 years or older
- You are a healthcare professional (doctor, nurse, midwife, physiotherapist, paramedic, or student in one of these fields)
- You are attending the Victorian Neonatal Resuscitation training program at The Royal Children's Hospital

You may NOT be eligible if:

- You are unable or unwilling to provide written consent
- You are not one of the listed healthcare professional groups

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (4)

- Each participant must meet the following criteria to be enrolled in the study:
- Over 18 years of age
- One of the following healthcare professionals: Doctors from any specialty, midwives, nurses, physiotherapists, occupational therapists, paramedics, or a medical, nursing or midwifery student
- Attending the Victorian Neonatal Resuscitation training program. Attendees of both the first response program (3 hours' duration) and the Advanced Resuscitation (7 hours' duration) are eligible.

Exclusion (2)

- Unable or unwilling to provide written informed consent
- Attendees who are not one of the healthcare professional groups or student groups listed above will not be included

Locations (26 total)

The Royal Childrens Hospital - Parkville, VIC, Australia
The Women's at Sandringham - Sandringham, VIC, Australia
Frankston Hospital - Frankston, VIC, Australia
... and 23 more locations

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12616000542493>

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