

# Flight Nursing NZNO Library resource list



The New Zealand Nurses Organisation library has prepared a list of resources relating to flight nursing, for use by members. This list offers sources of information that can be provided by the NZNO library, or located via the internet. This service is available to NZNO staff and current members.

## Websites

### 1/ Air & Surface Transport Nurses Association

The Air & Surface Transport Nurses Association (also known as National Flight Nurses Association) is a nonprofit member organization whose mission is to advance the practice of transport nursing and enhance the quality of patient care through commitment to safety and education.

### 2/ How to become a flight nurse

*HealthTimes*, 26-04-2021

<https://healthtimes.com.au/hub/flight-nursing/25/guidance/nc1/how-to-become-a-flight-nurse/1061/>

### 3/ New Zealand Air Ambulance Service

Our international air ambulance missions are always crewed with an aeromedical trained flight nurse and doctor with comprehensive intensive care experience and a thorough understanding of flight physiology.

<https://www.nzaas.co.nz/what-we-do/global-medical-escort-service/>

### 4/ NZNO College of Air & Surface Transport Nurses

Originally the Flight Nurses Association, the College began in 1996 in recognition of the need for standardisation, education and training of flight nurse practices within the New Zealand aeromedical environment.

The College now has over 400 members drawn from many different areas including adult, paediatric and neonatal intensive care, cardiac and emergency care.

[https://www.nzno.org.nz/groups/colleges\\_sections/colleges/college\\_of\\_air\\_surface\\_transport\\_nurses/resources](https://www.nzno.org.nz/groups/colleges_sections/colleges/college_of_air_surface_transport_nurses/resources)

## **5/ Revalidation for flight nurses in the UK: RCN guidance**

*Royal College of Nursing, 2016*

The Royal College of Nursing (RCN) is here to support members and the wider nursing profession. In December 2015 the RCN Critical Care and In-Flight Nursing Forum held a Revalidation Summit with nursing leaders from the aviation industry and the RCN Professional Lead for Education, Gill Coverdale, to explore the impact of revalidation and the potential challenges for the flight nurse community.

<https://www.rcn.org.uk/professional-development/publications/pub-005709>

## **6/ Royal Flying Doctor Service – Australia**

The Royal Flying Doctor Service works to reduce the disparity of health service access. We bring emergency medical and primary health services to those areas that don't have access

<https://www.flyingdoctor.org.au/wa/what-we-do/flight-nursing/>

## **Articles**

### **7/ The acute care nurse practitioner in rural flight transport**

Bondmass, Mary

*Nevada RNformation*. (2020, Sep). 29(4), 4

Dr. Mosqueda hopes to combine her passion for trauma and critical care with flight transport by implementing an ACNP flight program for rural Nevada. Mobilizing resources such as an acute care nurse practitioner (ACNP) to a critically sick or injured patient via helicopter emergency medical services (HEMS) can reduce the time a patient waits to receive advanced care.

### **8/ Acute risk in helicopter emergency medical service transport operations**

Aherne, Bryan., Newman, David & Chen, Won Sun.

*Health Science Journal*. (2021). 15(1), 1-5.

The highest safety risk for helicopter emergency medical service (HEMS) operations in the United States is during night-time operations. Although guidelines recommend physicians consider the risk to the patient and flight crew when triaging a patient for flight, no objective measure of risk between day and night-time HEMS flights exist. The purpose of this study was to measure the acute risk of HEMS transport within a spectrum of aviation and medical procedure risk.

### **9/ Critical care up in the air**

Mazur, Rob., Triggs, Penny & Gall, Catherine

*Canadian Journal of Critical Care Nursing*. (2018, Summer). 29(2), 28-29.

The purpose of this session is to give a glimpse into what it is like to be a Critical Care Flight nurse, including the training, skills, and the lifestyle involved. Insights into critical thinking, preparedness and skills required to be a proficient flight nurse will be reviewed.

### **10/ Education needs of Australian flight nurses: A qualitative study**

Jodie Martin & Koshila Kumar

*Air Medical Journal*. (2020). 39(3), 178-182.

Flight nurses work in physically challenging environments, often alone, in the confines of moving aircraft at altitudes with limited resources. Although this challenging environment has been previously described, there are no Australian studies that outline flight nurses' learning needs and the education activities they find useful in learning about their role.

### **11/ Flight nurses describe their experiences**

*Kai Tiaki Nursing New Zealand*. (2020, Feb). 26(1), 10-10.

Philips Search & Rescue Trust senior flight nurse Permal Samy was on administrative duty when White Island/Whakaari erupted at 2.11pm on December 9. He describes what happened next

### **12/ "Flight Nurses," or "Nurses Who Fly"? An international perspective on the role of flight nurses**

Ian Braithwaite & Ann-marie Steele

*Air Medical Journal*. 2020. 39(3), 196-202.

Discovering how transport nurses around the world are prepared and supported for a flight role may illuminate areas of best practice. This article reviews the flight nursing research, exploring what the international literature tells us about the role of flight nurses and discovering lessons from their experiences that may have particular relevance for the UK context.

### **13/ The impact of helicopter emergency medical service on acute ischemic stroke patients: A systematic review**

Shachar Tal & Saban Mor.

*The American Journal of Emergency Medicine*. (2021, Apr). 42, 178-187.

Helicopter emergency medical services (HEMS) is commonly elected transport for acute ischemic stroke (AIS) known as a time-critical illness.

Aim: To conduct a systematic review in order to explore the HEMS impact on healthcare status, process and outcome measures for AIS patients.

### **14/ Looking up to the sky! An exploration of new graduate nurses' perceptions of remote area nursing**

Bethne Hart., James Black., Jayde Hillery & Sophie Smith

*Collegian*. (2014). 21(1), 61-64.

Remote area nursing is characterised by two known realities: health inequalities and nursing challenges. The health inequalities are complex consequences of social determinants and health care access. Remote area nurses must negotiate these realities that powerfully interact.

### **15/ Moral dilemmas of nurses and paramedics during in-flight medical emergencies on commercial airlines**

Ariel Braverman

*Journal of Emergency Nursing*. (2021). 47(3), 476-482.

During commercial flights, in-flight medical emergencies may lead the cabin crew to request assistance from qualified health care professionals among the passengers. Although a physician's function and role are well known and virtually universal globally, the role, education, and scope of practice of nurses and paramedics varies significantly. This article analyzes the possible dilemmas that medical professionals other than physicians who assist during in-flight medical emergencies may face and presents recommendations for aviation authorities.

### **16/ Saviours in our skies**

Mossop, Michele.

*Australian Women's Weekly*. (2018, Jun), 112-116

The Royal Flying Doctor Service turns 90 this year. To celebrate, The Weekly's Michele

Mossop joins flying midwife and intensive care nurse Derani Burns for a life-saving day in the skies above regional South Australia.

**17/ Sleepiness among personnel in the Norwegian Air Ambulance Service**

Flaa, Tine Almenning., Harris, Anette., Bjorvatn, Bjørn., Gundersen, Hilde., Zakariassen, Erik; et al.

*International Archives of Occupational and Environmental Health.* (2019, Nov). 92 (8), 1121-1130.

Purpose: To examine the effects of shift work and extended working hours on sleepiness among pilots and Helicopter Emergency Medical Service (HEMS) crew members in the Norwegian Air Ambulance.

**18/ Stories from children's nurses in flight: Exploring experiences of air medical transfers**

Ian Braithwaite & Ann-marie Steele

*Air Medical Journal*, 2021-05-01, Volume 40, Issue 3, Pages 164-169

Using a narrative inquiry methodology, 5 nurses working for a children's transport service in England were invited to tell stories from their experiences of air medical transfers. The aim of this article was to describe the meanings the nurses assigned to their experiences of flight transfers and to develop an interpretation of the narrative accounts, investigating the implications of the stories.

**19/ Structure of nursing practice of Flight Nurses**

Hiroki Sakuda., Akihiro Ogushi & Momoko Sakaguchi

*Journal of Japan Academy of Nursing Science.* (2020). 40, 252-259.

The present study involved flight nurses who provide emergency medical care while transporting patients to hospitals, and aimed to examine the structure of their practice.

If you wish to visit the NZNO library please make an appointment to ensure staff are available to assist you.

**NZNO Library**

You can find us at: **L3, Findex House; 57 Willis St, Wellington**

Telephone: **0800-28-38-48**

Mail: PO Box 2128, Wellington

Email: [library@nzno.org.nz](mailto:library@nzno.org.nz)

The NZNO library seeks to satisfy your information needs in the professional and industrial aspects of nursing.