Clinical Practice in Focus: Infants & Children

Key nursing skills in Emergency Department paediatric care
Who are we?

Jane Cichero – Senior Analyst, Paediatric Health Care Team, Office of Kids & Families and Nurse Educator, Sydney Children’s Hospital Randwick
Who are we?

Ruth Irwin – Transitional Nurse Practitioner
Paediatrics, Royal Prince Alfred Hospital
Who are we?

Jacqueline Ballard – Paediatric Clinical Nurse Consultant, Far West Local Health District
Case - Paediatrics in the outback
How do you feel about Paediatrics in your department?
What are the challenges you face in your ED when it comes to caring for children?
Group work

1. What skills & knowledge do you need to care for children and infants in your department?

2. How do you currently gain these skills and knowledge in your department?

3. How do you maintain these skills and knowledge?

4. How do you keep the children safe?
1. What skills and knowledge do you need to care for child and infants in your department?
2. How do you currently gain these skills and knowledge in your department?
3. How do you maintain these skills and knowledge?
4. How do you keep the children safe?
Paediatric core + advanced clinical skills to keep the children safe

Currently…..

• Local education & competencies + HETI online

• First Line Emergency Care Course

• Paediatric Rural Emergency Clinical Guidelines

• CEC programs

What’s coming……..

• Paediatric pathways – LHD/state wide

• HETI Rural Generalist Nurse Paediatrics Pathway

• What else?
# SCH ED Paediatric Pathway

## Mandatory
**By 1 month**
- Workbooks & competencies
- IV Medications & Fluids Administration
- Respiratory
- Care of the paediatric patient
- Resuscitation Room
  - Introduction
- Mandatory Online Training
  - Resus4Kids
  - Detect Junior
  - HETI Mandatory Training

## Core ED Skills
**By 3 months**
- Workbooks & competencies
- CVAD’s
- Opioid Administration
- ECG’s
- Nitrous Oxide
- Blood Products

## Core ED Skills
**By 6 months**
- Resuscitation Room
  - Resus role 2
- Online Training
  - Resus4kids advanced modules
  - SKIP
  - Paediatric Clinical Practice Guidelines

## Core ED Skills
**By 18 months**
- Resuscitation Room
  - Resus role 1
- Online Training
  - Resus4kids, Advanced Airway & Tracheostomy Emergency management

## Extended Skills
**At 24-30 months**
- Resuscitation Room
  - Resus role 3
- Courses
  - Intro to Paeds Course
  - ED STP

## Core ED Skills
**At 24-30 months**
- Workbooks & competencies
- Cytotoxic therapy
- Ventilation
- Resuscitation Room
  - Resus role 1

## Extended Skills
**By 18 months**
- Workbooks & competencies
- Backslabs
- Cannulation
- Courses
  - Mental Health Course
  - Intro to Oncology
  - PLS
  - PERTT

## Extended Skills
**At 24-30 months**
- Workbooks & competencies
- Triage
- CIN
- Courses
  - High Acuity course
  - CAP
  - Immunisation course
  - Non Violent Crisis Intervention

## Individual pathways
- Leadership
  - Nurse Manager
  - Clinical NUM
  - Team Leaders
- Education
  - NE
  - CNE
- Clinical
  - CNS 2
  - NP
- Courses
  - Resus4Kids trainer
  - DETECT Jnr trainer
  - Assessing Competence
  - Quality & Safety
  - Leadership
  - APLS/PLS Instructor

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*Sydney Children's Hospital Network*  
*NSW Government Health*
Clinical skills – where are the resources?

FLECC: First Line Emergency Care Course

The course prepares and credentials the rural/remote Registered Nurse as an Advanced Clinical Nurse (ACN) to ensure early appropriate management of acute and life threatening conditions, and to relieve pain and discomfort for patients at hospitals where Medical Officers are not immediately available.

Theoretical and clinical assessments are required for recredentialing.

The theoretical component requires the FLECC Registered Nurse to complete the Adult Emergency Clinical Guidelines online training and NSW Paediatric Clinical Practice Guidelines or a multiple choice examination.

The clinical assessment requires assessment of two core guidelines and Advanced Life Support.
The NSW PRECGs provide a clear standard of initial care for children who present to EDs where medical officers are not immediately available.

The clinical guidelines are for use by **Paediatric Advanced Clinical Nurses** to facilitate age appropriate clinical management of children who present to EDs with acute and life threatening conditions.

Clinical skills – where are the resources?

**NSW Rural Paediatric Clinical Guidelines** GL2014_007

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Clinical skills – where are the resources?

HETI Rural Generalist Nurse Paediatric pathway

Rural Generalist Nurse Program

These Learning Pathways have been designed for the rural generalist nurse, based on feedback received from Local Health Districts on areas that are most relevant and challenging to rural nurses. This program incorporates five Learning Pathways in HETI Online that relate to different areas of practice relevant to the rural generalist nurse. Some contain e-learning modules that will help you explore the key issues in an area, others give you a framework to guide your own learning through existing learning resources.

Comprehensive Assessment
In this interactive game, you will be a registered nurse responsible for a small FIFO and will need to assess and treat patients as they arrive.
You will receive a score based on how well you apply principles of effective comprehensive assessment.
Each time you attempt the game, randomly assigned scenarios will test your skills across a range of different patient presentations.

Palliative Care
This interactive module will use scenarios to help you recognise and document the palliative care phase of a patient with a life-limiting illness.
You will learn how to apply principles of therapeutic communication in a palliative care setting and identify management options that can improve the quality of life for a palliative care patient.

Aged Care
This module will use scenarios to explore some of the key areas of risk in an older patient. You will assess these areas using a bio-psycho-social assessment, and implement an effective holistic treatment strategy to maintain optimal quality of life.

Paediatric Care
Use a printable Implementation Guide to identify your own knowledge gaps and find the resources most relevant to you.
The guide covers common childhood illnesses, injuries and issues, and specific challenges with neonates, age appropriate language, identifying signs of presentation, and stabilising children for transfer.

Mental Health
A collection of resources has been identified as most relevant to the practice of rural generalist nurse, including several Mental Health Professional Online Development modules (MHPEDs).
Use a printable Implementation Guide to identify which of these resources are most relevant to you.

The program will be available from August 2016. For more information contact Anaarda.Guery@health.nsw.gov.au.
Case presentation - Challenges and Potential Solutions to Paediatric Emergency Care Delivery:

Mixed metropolitan ED perspective
Context: Sydney Local Health District - RPAH

RPAH Paediatric ED:

- Level 4 Paediatric Service. Level 3 Paediatric Surgical Service.
- 10,863 presentations p.a.
- 13% ward admissions from ED
- 18% increase in presentations over the past 4 years
- 39% estimated increase in the SLHD paediatric population (0-19 years) over the next 15 years
Reviewing current service delivery

- What is our current state of paediatric care?
- What are our service needs?
- Implementing changes to meet these service needs
- Evaluation
What is our current state of paediatric care (prior to 2016)

- Are we complying with NSW health Policy Directives for the Care of Children in Emergency Departments?

- Are we meeting emergency benchmarks?

- Are we making mistakes?

- Are our consumers happy with our service?
What are our service needs (prior to 2016):

- **Service delivery (data capture (1998-2015))**
  - Increasing patient presentations
  - Increasing patient acuity
  - Increasing inpatient admissions
  - Increasing length of stay (reduction in ETP targets)
  - Review of IIMS/RCA data (clinical incidents/complaints and compliments)

- **Staffing**
  - No constant senior nursing staff or paediatric skill set

- **Physical environment**
  - Lack of paediatric high acuity bed space
Changes in service delivery
(since 2015)

- Implementation of senior nursing roles
  - Transitional Paediatric Nurse Practitioner (1.0 FTE) (August 2015)
  - Clinical Nurse Specialist 2 (0.8 FTE) (January 2015)

- Additional Registered Nurse to paediatric area 3 days per week
Effectiveness of changes

- Improvement to staffing, education, skill development and service delivery
- Improvement in physical environment
Long term service goals

- Improve patient outcomes
- Decrease length of stay
- Increase ETP performance

  > Broaden standing orders to CIN group

  > Broadening paediatric nursing skills and retention of senior staff

  > Continual development of TNP and CNS2 roles

- Re-development of space to allow for:
  - Acute care bed
  - Consultation rooms
THANK YOU
Questions?