

# Ebola

## Managing paediatric admissions and families

Marieke Emonts – le Clercq  
Consultant Paediatric Infectious Diseases  
Honorary Senior Clinical Lecturer

# Challenges in paediatrics

- Nursing
- Family
- Communication

# Challenges in paediatrics: *use what you have got*

## RVI-GNCH

- One location with:
  - A&E
  - Adult ID with Trexler facilities
  - Paediatrics
  - PICU
  - Paediatric ID



# Challenges in paediatrics: *nursing*

	<b>Trexler</b>	<b>PPE</b>
Staff contamination risk	Low	Higher
Environment contamination risk	Low	High
Staff movement in unit	Easier	Harder
Staff shift length	Longer	Limited
Cost	High cost	Lower
Interventions	More difficult	Easier
Scalability	Specialist facility	Transferable
Centralised vs decentralised	Centralised	Both

# Challenges in paediatrics: *practicalities*



Fixed position vs freedom of movement  
Number of staff needed

# Challenges in paediatrics: *practicalities*



# Challenges in paediatrics: *practicalities*



With children: your back is equally important!

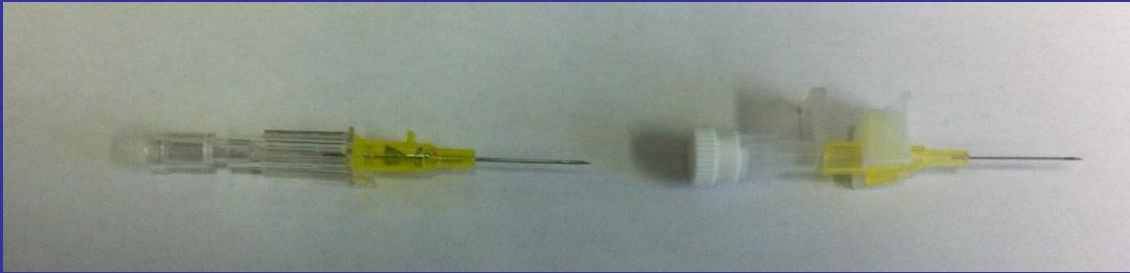
# Challenges in paediatrics: *practicalities*



# Challenges in paediatrics: *practicalities, well vs unwell*



# Challenges in paediatrics: *practicalities, canulas*



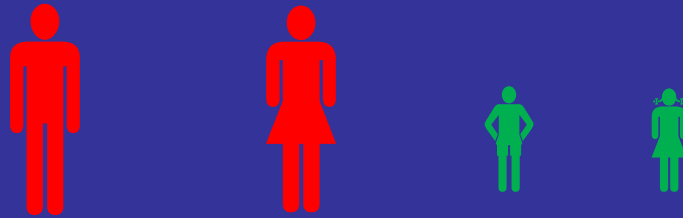
# Challenges in paediatrics: *practicalities*

## Staff requirements

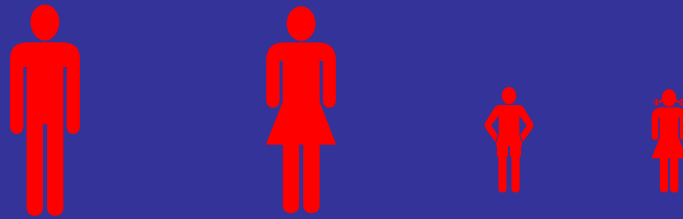
- At least one paediatric nurse per shift depending on:
  - Age child
  - Severity
  - Experience and confidence adult trained nurses
  - Medical staff to assist nursing staff
- Medical staff
  - Paeds ID
  - Paeds ITU
  - Adult ID
  - Adult ITU
- Trained and currently active

# Challenges in paediatrics: *family scenarios*

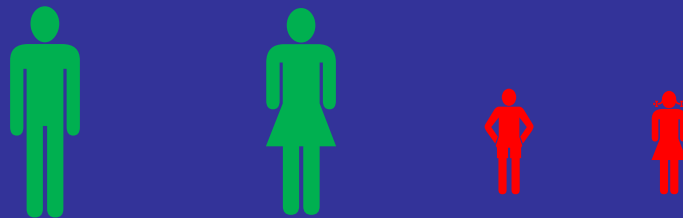
1.

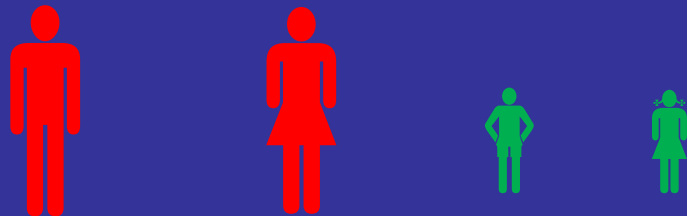


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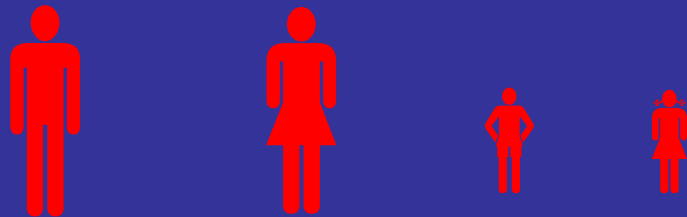


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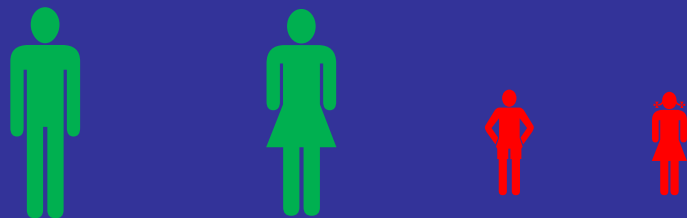




- Parents admitted, Trexler
- Children
- Non-exposed:
  - with family member/foster care
- Exposed:
  - ?admit, check temperature
  - ?foster care, check temperature
  - Hygienic measures



- Parents admitted, Trexler
- Children
  - With parents
    - Age, severity, capacity
  - Separate room
    - Trexler or PPE
      - Age, severity, mobility
  - Or both in PPE



- Child admitted, parents will have been exposed

Parents	In	Out
Risk parent	Continued exposure	No more exposure
Child care	Can contribute	Cannot contribute
Isolation	Continuous, no PPE as not trained	None, but temp monitoring, strict hygienic measures as already exposed
Environment	If PPE isolated in room with child If Trexler: potential contamination of clean areas	Potential contamination clean areas
Communication	Easier	Challenged

## Challenges in paediatrics: *communication*

- Parent and child
- Staff and parent
- Staff and child
- Staff and other hospital staff
- Staff and other patients/parents/carers in the hospital
- Staff and PHE
- Staff/representatives and media

# Take home message

## Infectious diseases requiring isolation for children/families

- Think through for your own situation
- Train scenarios
- Think the unthinkable
- Be flexible: 'tailor made'
- Be safe
- Extrapolate to other infectious diseases



# Acknowledgements

- Allison Sykes
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## Contact details

Marieke.emonts@nuth.nhs.uk

Phone: 0191-2825265

Ailsa.pickering@nuth.nhs.uk

Phone: 0191-2823713