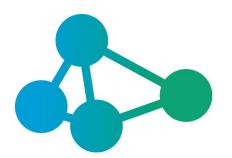
# **North Thames Paediatric Network**



# North Thames Paediatric Network

**Connecting paediatric services** 

**COVID** -19;

Support, Education, Information and Useful Resources Pack for Paediatric Staff

Version 1.0	1 <sup>st</sup> April 2020
All information is relevant	as of the date shown above

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#### Stay up to up to date with the latest National Guidance:

Organisation	Direct Web Link
Public Health England	https://www.gov.uk/government/organisations/public-health-england
Paediatric Intensive Care Society (PICS) <a href="https://picsociety.uk/covid19/">https://picsociety.uk/covid19/</a>	
Royal College of Paediatrics and Child Health	https://www.rcpch.ac.uk/key-topics/covid-19
(RCPCH)	
Intensive care society	https://www.ics.ac.uk/ICS/ICS/GuidelinesAndStandards/COVID19 Guidance.aspx

#### **Introduction & Document purpose**

Never before has the NHS been faced with such a challenge, with this in mind, we as Health Care Professionals are likely to experience our most testing time to date. This may require us all to work out of our normal scope of practice, but most certainly will require us to pull together in a way not experienced by many before now and support one another and our patients through the difficult time ahead.

The purpose of this document is to compile and share relevant information, documents, support materials and signposting to useful resources with NTPN colleagues. With special thanks to those Professionals/ Trusts who have kindly shared their work to improve the experience of their colleagues. (Please see the acknowledgements throughout document)

#### **About COVID - 19**

According to WHO (2020) Coronaviruses are a large family of viruses that cause illness ranging from the common cold to more severe diseases. A novel coronavirus is a new strain that has not been previously identified in humans. Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus.

Most people infected with the COVID-19 virus will experience mild to moderate respiratory illness and recover without requiring special treatment. Older people and those with comorbidity like cardiovascular disease, diabetes, chronic respiratory disease, and cancer are more likely to develop serious illness and mortality. The best way to prevent and slow down the transmission of the COVID -19 virus is to be well informed on details of the disease it causes and how it spreads.

The COVID-19 virus spreads primarily through droplets of saliva or discharge from the nose when an infected person coughs or sneezes, so it is vital that staffs are protecting themselves and their patients by following the guidance on PPE and by washing your hands or using an alcohol based rub frequently and not touching your face.

At this time, there are no specific vaccines or treatments for COVID-19. However, there are many on-going clinical trials evaluating potential treatments.

(https://www.who.int/health-topics/coronavirus#tab=tab\_1 as cited on 25<sup>th</sup> March 2020)

#### **Core Resource Links**

These are the recommended links to be used by Health care professionals to maintain knowledge on the most up to date national guidance on the management of COVID - 19

Professional Organisations / Bodies	Link to guidance
Public Health England	
Ü	https://www.gov.uk/government/collections/wuhan-novel-coronavirus
	https://www.gov.uk/government/collections/coronavirus-covid-19-list-of-guidance
Royal Collage of Paediatrics & Child Health (RCPCH)	https://www.rcpch.ac.uk/resources/covid-19-guidance-paediatric-services
Paediatric Intensive Care Society	https://picsociety.uk/covid19/
World Health Organisation (WHO)	https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical-guidance/health-workers
Resuscitation Council UK	https://www.resus.org.uk/media/statements/resuscitation-council-uk-statements-on-covid-19-coronavirus-cpr-
	and-resuscitation/covid-resources-paediatrics/?utm_source=tw_date=010420
NHS England speciality	
guidelines:	https://www.england.nhs.uk/coronavirus/publication/specialty-guides/
<ul> <li>Including the</li> </ul>	
Management	Paeds Specific: <a href="https://www.england.nhs.uk/coronavirus/wp-content/uploads/sites/52/2020/03/Specialty-">https://www.england.nhs.uk/coronavirus/wp-content/uploads/sites/52/2020/03/Specialty-</a>
of paediatric	guide_paediatrics-and-coronavirus_V1_17-March.pdf
patients	
Royal College of Surgeons	https://www.rcseng.ac.uk/coronavirus/joint-guidance-for-surgeons-
	v2/?utm_campaign=1358042_Coronavirus%20comms%2026%2F03%20to%20members&utm_medium=dotmail
	er&utm_source=emailmarketing&dm_i=4D4N,T3VE,11856D,3I9U4,1
Health Education England	https://www.e-lfh.org.uk/programmes/coronavirus/
Free eLearning COVID -19 for all health	
care professionals	
Nursing & Midwifery Council (NMC)	https://www.nmc.org.uk/news/coronavirus/
HEE: Coronavirus (Covid-19) Information	https://www.hee.nhs.uk/coronavirus-information-trainees
for trainees	

#### **Other Useful Resoucre Links**



Acknowledgements: UCLH Medical Information services; Emily Green & Shehzana Maqsood- Last Updated: 23/03/2020 – Emily Green & Simon O'Callaghan

#### **Useful Links and information for Surgeons**

Organisation/	Focus of Resource/	Useful resource / Link	Acknowledgement /
Trust Details	Link		Source Reference
Royal College of	Where to find the most	https://www.rcseng.ac.uk/?status=Success	
Surgeons ENG	recent updates		
Royal College of	Guidance on COVID – 19	https://www.rcseng.ac.uk/coronavirus/joint-guidance-for-surgeons-	
Surgeons ENG	for general surgeons	v2/?utm_campaign=1358042_Coronavirus%20comms%2026%2F03%20to%20	
		members&utm_medium=dotmailer&utm_source=emailmarketing&dm_i=4D4N	
		,T3VE,11856D,3I9U4,1	
Ped Surgery		https://www.pedsurglibrary.com/apsa/view/PedSurg%20Resource/1884034/all	
Library	COVID -19 for Pediatric	/COVID 19 for Pediatric Surgeons#2	
	Surgeons		
ENT UK		https://www.entuk.org/tracheostomy-guidance-during-covid-19-pandemic	
	Guideline on Trache		

#### **Infection Prevention and Control; COVID -19**

During this COVID – 19 outbreak, it is more important than ever we as health care professionals are aware of and adhere to the national guidance for IPC to prevent the spread of the virus, but more significantly to protect the health and wellbeing of yourselves, your colleagues and other patients/ public.

Organisation/ Trust	Focus of Resource/ Link	Useful resource / Link	Acknowledgement /
Details			Source Reference
Public Health England	Most Up to date National guidance on IPC	https://www.gov.uk/government/publications/wuhan-novel-coronavirus-infection-prevention-and-control	
Department of Health and Social Care (DHSC), Public Health Wales (PHW), Public Health Agency (PHA) Northern Ireland, Health Protection Scotland (HPS) and Public Health England	Guidance for infection prevention and control in healthcare settings; Adapted from Pandemic Influenza: Guidance for Infection prevention and control in healthcare settings 2020	Infection_prevention _and_control_guidan	Issued jointly by the Department of Health and Social Care (DHSC), Public Health Wales (PHW), Public Health Agency (PHA) Northern Ireland, Health Protection Scotland (HPS) and Public Health England as official guidance.
Public Health England	Donning of PPE for Non - AGP	https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/875211/Putting_on_PPE_for_non-aerosol_generating_procedures_quick_guide.pdf  Putting_on_PPE_for_non-aerosol_genera  Video: https://www.youtube.com/watch?v=eANIs_Jdi2s&feature=youtu.be	

Public Health England	Doffing of PPE for Non- AGP	https://assets.publishing.service.gov.uk/government/uploads/sys	
		tem/uploads/attachment_data/file/875212/Taking_off_PPE_for_	
		non-aerosol_generating_procedures_quick_guide.pdf	
		_	
		A POF	
		Taking_off_PPE_for_	
		non-aerosol_generati	
Public Health England	Donning of PPE for AGP	https://assets.publishing.service.gov.uk/government/uploads/sys	
		tem/uploads/attachment_data/file/874327/PHE_COVID-	
		19 Donning.pdf	
		PDF	
		PHE_COVID-19_Don ning for AGP.pdf	
Public Health England	Doffing of PPE for AGP	https://assets.publishing.service.gov.uk/government/uploads/sys	
Public Health England	Donning of PPE for AGP		
		tem/uploads/attachment_data/file/874326/PHE_COVID-	
		19 Doffing quick guide.pdf	
		₽ PDF	
		PHE_COVID-19_Doff	
		ing_quick_guide for <i>l</i>	
Public Health England	What Mask to use when?	PDF	
		When_to_use_face_ mask_or_FFP3.pdf	
		https://assets.publishing.service.gov.uk/government/uploads/sys	
		tem/uploads/attachment_data/file/874411/When to use face	
		mask or FFP3.pdf	

#### Stabilisation of the Acutely III Child, Resuscitation Guidance and Ethics (COVID – 19 and Non – COVID - 19 Patients)

Organisation/ Trust Details	Focus of Resource/ Link	Useful resource / Link	Acknowledgement / Source Reference
Barts Health NHS Trust	Education slide pack covering: - Rapid Sequence Induction (RSI) - Emergency Medications (inc Resus drugs) -ETCO2 Monitoring	Educational slide pack on RSI, Emergel  If you have any questions or would like to contact the author of these slides, please email <a href="mailto:breda.oneill2@nhs.net">breda.oneill2@nhs.net</a> . Please bear in mind that due to the nature of the current situation, a reply may take longer than usual.	Breda O'Neill Consultant Anaesthetist for Paediatrics and Trauma Royal London Hospital Barts Health NHS Trust
European Society of Paediatric and Neonatal Intensive Care (ESPNIC)	Nursing Guidance for the care of the Child with suspected or proven COVID -19 Infection	Final ESPNIC Guidance - Nursing M	Published: 29/03/2020
Children's Acute Transport Service (CATS)	This is where you can locate CATS support tools and clinical guidelines	http://site.cats.nhs.uk/  Go to 'In a Hurry' section for rapid access to guidelines, intubation checklist, STOPP tool, Electronic drug calculator.  cats_intubation guideline_2020pdf  To make a referral, or seek advice call: 0800 085 0003	
NTPN / CATS	Paediatric Patient transfer risk assessment tool; STOPP Tool	STOPP Tool V10 June 2019.pdf	North Thames Paediatric Network

Resuscitation Council UK	Resuscitation Council UK COVID-19 CPR and resuscitation in Paediatrics guidance and flow chart	https://www.resus.org.uk/media/statements/resuscitation-council-uk-statements-on-covid-19-coronavirus-cpr-and-resuscitation/covid-resources-paediatrics/?utm_source=tw_date=010420  Paediatric_ALS-COVI_COVID_Paediatric_D-19_FINAL_1.4.20 Guidance and Flowch	
PICS	UPDATED PICS guidance on management of critically ill children with Covid-19 infection	PICS-Covid-19-guida nce-v4.0-14Mar2020- Includes: FLOW DIAGRAM FOR MANAGEMENT OF CRITICALLY ILL CHILDREN WITH CONFIRMED AND SUSPECTED COVID-19 INFECTION	Last updated: 14 Mar 2020
East and North Hertfordshire NHS Trust  COVID -19 resus guideline	Clinical Guidelines – managing the response to deterioration and cardiac arrest in adults and children in isolation with suspected or confirmed Covid-19.	Clinical Guidelines managing the respon:	East and North Hertfordshire NHS Trust- Permission to share Doc from Trust on 25.03.2020
London and South East COVID -19 Paediatric Bioethics Support Group	Advice and Guidance	London and South East Paediatric Bioeth	Joe Brierley & the London and South East COVID-19 Paediatric Bioethics team
Document produced by the GOSH Paediatric Bioethics Service – March 2020	Ethically Acceptable Practice in a Pandemic	Ethically Acceptable Practice in a Pandemi	GOSH Paediatric Bioethics Service – March 2020
Intensive Care Online Network (ICON)	Tutorial Videos and Online educational materials for a variety	https://www.intensivecareonline.com/ClinicalResources/DeviceTutorials?Fo IderID=44	You will need to register for an account to access the material via the ICON

	of different ventilators Inc the Draeger Oxylog 3000 and 3000 PLus		website – very easy to do and is a free resource
YouTube:	Video guide for the Pneupac® babyPAC™ Ventilator	VIDEO: https://youtu.be/Wmc6rjN-oyQ	
Draeger & EDprocedures.com	Video Draeger Oxylog 3000 set up	AV Training Tools.pdf  VIDEO: https://youtu.be/7kRf2VGG3Fo	
Newham University Hospital Barts Health Trust	Trilogy Ventilator set up guide	Trilogy 202 - CPAP set-up.pdf	ED Department NUHT
YouTube: paraPAC plus - Patient Ventilation: Quick set- up part 1	paraPAC Ventilator Set up guide	VIDEO: https://www.youtube.com/watch?v=fXUVdZLoq-c	
YouTube: Pneupac® ventiPAC™ Ventilator	ventiPAC Ventilator Set up guide	VIDEO: <a href="https://www.youtube.com/watch?v=ebqKP3X8ymg">https://www.youtube.com/watch?v=ebqKP3X8ymg</a>	
PICS	Paediatric Intensive Care Acute Transport Group (PICS-ATG): Transportation of children with suspected and confirmed COVID19	https://picsociety.uk/wp-content/uploads/2020/03/PICS-ATG-COVID19- Statement-v1.0-17Mar2020.pdf	

#### **Draeger Virtual Tutorials for Medical and Nursing staff:**

For departments/ Teams that use any **Draeger produced Ventilators or Equipment** and would like some live virtual training tutorial support (via web cam link), please contact via email below:

David.symonds@draeger.com

### **E-Learning Link: Basics of Respiration and Ventilation**

https://static.draeger.com/trainer/draeger\_academy\_2013/index.html?cid=lt-uk-2020-03-17-training

#### Draeger quick links to Video's and recorded tutorials for ventilators and equipment



#### Paediatric Staff Caring for Level 1 and 2 Paediatric Critical care in the DGH Setting

Please find below some useful resources and links that staff may find helpful when caring for critically ill patients in the children in the DGH.

Organisation/ Trust Details	Focus of Resource/ Link	Useful resource / Link	Acknowledgement / Source Reference
Healthy London Partnerships	Register for free eLearning modules for Paediatric critical care (L1 & 2) subjects	https://www.healthylondon.org/paediatric-critical-care-in-practice-pccp/	Andy Martin
	artical care (EF & 2) subjects	Please note; this eLearning portal is currently open to London based Hospitals ONLY	
Pan London and South East	Quick reference guide for	PDF	STPN, NTPN, Brompton
England LTV Collaborative	children on long term	Guidance for DGHs -	Children's Long- Term
0 :1 6 50:4	ventilation (LTV) admitted to	Long Term Ventilated	Ventilation Service,
Guide for DGH's	a <b>DGH</b> during covid-19 emergency period		WellChild, NHSE.
The Royal	Long Term Ventilation		Leila Holden -
Brompton's Children's	support, advice and		
Long-Term Ventilation	resources for Professionals	<u>www.ltv.services</u>	Clinical Team Lead &
Service	and families.		Specialist Physiotherapist -
	Web site includes:	If you require any support with the care of a child on NIV/ LTV –	
	information as well as	please contact the team on the below details. They do provide	Children's Long- Term
	Ventilator guides and set up	outreach education also for staff and families and support with	Ventilation Service
	videos & Competency frameworks and Clinical	discharge processes.	
	support	<b>Phone:</b> 020 7352 8121 ext 84411	
		Email: hospitaltohomesupport@rbht.nhs.uk	
		Please note that our phone service is available Monday to Friday 08:30 to 17:00.	

Great Ormond Street	Tracheostomy	https://www.gosh.nhs.uk/wards-and-	
Children's Hospital	·	departments/departments/clinical-specialties/tracheostomy-	
		information-children-parents-and-healthcare-professionals	
Great Ormond Street Children's Hospital	LTV/ NIV	Non invasive Managing LT NIV ventilation clinical guipatients a basic guide	PLEAES NOTE: Guidelines are in the process of being updated. Attached still relevant in the meantime.
WellChild	Information and support services for families of Children with LTV/ NIV	https://www.wellchild.org.uk/	
British Society for Paediatric Endocrinology and Diabetes BSPED	DKA management Guidelines & Flow Chart	https://www.bsped.org.uk/media/1722/new-dka-guideline-v7-final-no-calculator.pdf  https://www.bsped.org.uk/media/1726/dka-flow-chart-v1.pdf	
Children's Acute Transport Service (CATS)	Acute Severe Asthma management guidelines	cats_asthma_2020.p	
Children's Acute Transport Service (CATS)	Septic Shock Management Guidelines	cats_sepsis_2020p	
Pan London HHHFT Working group (NTPN)	HHHFT Guidelines/ Bundle	HHHFT Combined documents.pdf	Pan London HHHFT Working group
NTPN	PCC L1/ 2 Competency Framework Documents for Paediatric Nurses	Pack 1 - blue NEL Pack 2 - green NEL Pack 3 - orange NEL PCC v.7 FINAL NT.pcPCC v.7 FINAL NT.pc	NTPN – (NEL PCC Nurse competency working group – 2018)

#### Paediatric Critical Care staff Caring for Adult Critical Care Patients

Organisation/ Trust Details	Focus of Resource/ Link	Useful resource / Link	Acknowledgement / Source Reference
UK Critical Care Nurse Alliance	AITU: Emergency Induction for non- critical care staff working in Critical Care to support the escalation process in times of surge.	covid-19_non-critical _care_staff_in_critical	Published March 2020
Royal London Hospital Barts Health NHS Trust	This is a quick reference guide for Paediatric staff/ Non AITU staff caring for adult ITU patients	Crib Sheets for staff in PCC caring for ACC	Susana LUCENA-AMARO & Olwen Cowen AITU/ PCCU Royal London Hospital - BH
St Mary's Hospital  Imperial Hospitals NHS  Trust	Education Teaching slide packs covering:  - General care in AITU - Cardiovascular support & Shock - Cardiovascular monitoring - Mechanical Ventilation	General care in AITU Cardiovascular Cardiovascular Education Slide Pack support & Shock AIT Monitoring AITU Edu  Mechanical ventilation AITU - St	DR Richard Leonard Adult Intensive Care Imperial NHS Trust
St Mary's Hospital Imperial Hospitals NHS Trust	AITU Sedation Guideline	Sedation Guideline for Adult Critical Care	Adult Intensive Care Imperial Hospitals NHS Trust
NHS England and Improvement Coronavirus	Clinical guide for the use of acute non-invasive ventilation in adult patients hospitalised with suspected or confirmed coronavirus during the coronavirus pandemic	clincial-guide-acute-n iv-ventilation- COVID	
St Mary's Hospital Imperial Hospitals NHS Trust	Cheat Sheet of Common Adult Medications and dosages used in AITU	Cheat sheet Common Adult ICU [	Dr Theresa Lee Imperial Hospitals NHS Trust

National Nurse Leads Framewo Adult Crit	rk for Registered Nurses in ical Care	CC3N - 01_new_step_1_final	
National Nurse Leads will find reguidelines with Covi	3N website where you elevant documents and serelated to care of Adults diene -19  FUL sections:  Quick Look resources	https://www.cc3n.org.uk/coronavirus-resourcesguidance.html#	

#### **Weekly Education webinars held by European Society of Intensive Care Medicine:**

https://esicm-tv.org/covid19?utm\_source=ESICM+Members&utm\_campaign=7a18eacf0d-EMAIL CAMPAIGN 2020 03 27 11 40 COPY 01&utm\_medium=email&utm\_term=0 7e1776959d-7a18eacf0d-234298025

#### **Research**

https://www.cochrane.org/coronavirus-covid-19-cochrane-resources-and-news?fbclid=IwAR23f K2vitKTw876RckpTe79fFE gM21cTW1Q752rh6JEs 9mntPGGNAE

### Paediatric staff caring for Adult Patients – General Care

Organisation/ Trust Details	Focus of Resource/ Link	Useful resource / Link	Acknowledgement / Source Reference
NTPN (Sophia Touzani – Nurse Lead)	Emergency Induction & Orientation Checklist  NOTE: This can be adjusted to meet local need and also to frame a Local education programme	Emergency Induction for Paediatric Nurses	Sophia Touzani Nurse Lead – NTPN PCC & SiC Division
NHS England	General Practice Nursing Induction Framework	https://www.qni.org.uk/resources/gpn-induction-template/	
Clinical Skills.net; best practice at your fingertips	This is a really great resource for practical clinical skills. It contains	https://www.clinicalskills.net/	This resource has sections for Nurses in both Adult and Paediatric care as well
	<ul> <li>Practical guides,</li> <li>written by clinical</li> <li>experts</li> <li>Step by step Pictures</li> </ul>	You will need to register or you can access free with your open Athens account log in details.  It contains lots of skill crib sheets that can be downloaded and	as for HCSW.
	Illustrations - Information - CPD tests - Portfolio	printed off.	
Elsevier Clinical Skills	Clinical Skills online resource  Subscription required	https://www.elsevierclinicalskills.co.uk/userlogin https://www.elsevierclinicalskills.co.uk/sampleskills	
Royal College Of Nursing	Basic Clinical Skills for Adult	https://www.com/hosted.com/out/first.ct.or/eliginal.clille	
- First Steps Barts Health Education Academy	Nursing  Example of a Clinical Skills Stuff Up- Skilling Programme Can be adapted to suit	https://rcni.com/hosted-content/rcn/first-steps/clinical-skills  Clinical Skills  Refresher Programme	Winnie George and Team Barts Health Education Academy

## <u>Psychological Support and Staff wellbeing resources and information for all healthcare professionals caring for Patients during this COVID - 19 outbreak</u>

It is so important for health care professionals to look after their mental wellbeing as well as their physical wellbeing, especially in times of crisis such as COVID – 19. It is normal to feel anxious and worried in uncertain times, however for some these feelings and thoughts may start to interrupt your normal daily life. Please do seek help and talk to someone if you are experiencing this. We have provided some useful resources below, please utilise them to help you manage your anxieties and stresses.

Organisation/ Trust Details	Focus of Resource/ Link	Useful resource / Link	Acknowledgement / Source Reference
St Georges Hospital NHS Foundation Trust	Support and information Slide pack to help staff manage their anxiety related to COVID -19	Managing anxiety slides re virus genera	Dr Ellie Atkins - Principal Clinical Psychologist
St Georges Hospital NHS Foundation Trust	Leaflet for staff with Information and contact details for support organisations – Dealing with COVID - 19	staff one page wellbeing and MH infi	Dr Bec Henly and Dr Ellie Atkins Clinical Psychologists
Intensive Care Society	Poster and information of sustaining wellbeing around COVID -19 to support staff	poster_am_i_ok_a4_ Sustaining wellbeing digi (1).pdf COVID19 (1).pdf	
Headspace	<ul> <li>1000+ hours of mindfulness and sleep content</li> <li>Mini exercises for busy schedules</li> </ul>	https://work.headspace.com/nhs-clinical/member-enroll  NHS staff have access to Headspace for free until Dec 31, 2020  Proven to reduce stress in just 10 days	
NHS Employers (part of the NHS Confederation) have also published	Guidance on supporting the physical and mental wellbeing of staff.	https://www.nhsemployers.org/covid19/health-safety-and-wellbeing	
Intensive Care Society	Resources and links for staff to Manage their stress and wellbeing	https://www.ics.ac.uk/ICS/Education/Wellbeing/ICS/Wellbeing.aspx?hkey=92348f51-a875-4d87-8ae4-245707878a5c	