



IHEEM COVID-19

AN INTERNATIONAL RESPONSE

Bi-weekly newsletter brought to you by IHEEM in partnership with
IFHE EU & IFHE Worldwide



Sharing Intelligence, Best Practice & Lessons Learnt

Issue 5

IHEEM Latest News

Welcome to the latest edition of the IHEEM, IFHE & IFHE EU Worldwide Update.

Welcome to the fifth edition of our COVID-19 update. In this edition you will find technical specifications from the WHO about non-invasive ventilators to comply and ensure quality, safety and effectiveness. You will also find a list of priority medical devices which provides for different levels of healthcare provision. The Royal Academy Engineering has released an 'Engineering Resilience Report' which IHEEM has been one of their policy partners answering questions by the Scientific Advisory Group for Emergencies (SAGE) subgroups. This report summarises how engineers can transform ideas into advice and action to secure a more resilient future. The University Hospital of Leicester NHS Trust explains what they did as a direct result of NHSE/I – 2020/001 alert and what they have done to manage capacity issues of COVID19 to maintain a high level of assurance of the oxygen delivery network and system of UHL. Finally, Dr Hayaatun Sillem CBE Hon FIHEEM, Chief Executive of the Royal Academy of Engineering shares her views on engineering better ways to control hospital acquired infections in a post-COVID world. We hope you find this issue informative and useful.

Stay safe and thank you again for your help and support.
Pete Sellars, IHEEM CEO & President IFHE-EU

You can still view previous issues below:

ISSUE 1

ISSUE 2

ISSUE 3

ISSUE 4

Please share the below content with colleagues or anyone who might find it informative or they can [sign up here](#) to receive future editions. Further information will be provided as it becomes available via the IHEEM website. In the meantime, if you wish to share your experiences and knowledge please email our dedicated email address internationalcovid19@iheem.org.uk with the details and thank you for your valuable support.

In this issue:

[WHO COVID-19 Specifications for Invasive and Non-Invasive Ventilators](#)

[WHO Priority Medical Devices](#)

[Engineering a Resilient Future](#)

[Oxygen Consumption Monitoring within the University Hospitals of Leicester NHS Trust](#)

[The Pandemic Impact on Healthcare Buildings](#)

[International Engineering Survey](#)

[Royal Academy of Engineering CEO view](#)

WHO COVID-19 Specifications for Invasive and Non Invasive Ventilators

The Technical Specifications are the minimum requirements that Invasive and Non-Invasive Ventilators used for the management of COVID-19 must comply to ensure quality, safety and effectiveness.

[is documentClick here to view th](#)



World Health Organization

COVID-19 Technical Specifications for Invasive and Non-Invasive Ventilators

WHO Priority Medical Devices

This is a list of priority medical devices in the context of COVID-19 provides descriptions for the management of patients with severe acute respiratory infection (SARI) when a nCoV infection is suspected at different levels of health care provision.

[Click here to view this information](#)



World Health Organization

Priority Medical Devices in COVID-19 context

Engineering a Resilient Future

The Royal Academy of Engineering have released their latest report which summarises how engineers can transform their ideas into advice and action, minimising the risks and impact of COVID-19 for the UK, beyond the immediate crisis response, to secure a more resilient future.

[Click here to read about what IHEEM and other PEIs have and are doing](#)

NATIONAL
ENGINEERING
POLICY CENTRE



COVID 19: Engineering a resilient future

From ideas and insights to collective engineering advice

June 2020

Oxygen Consumption Monitoring within the University Hospitals of Leicester NHS Trust

The University Hospitals of Leicester NHS Trust realised the important role it would be asked to take as a major health care provider in the region.

As a result of the general issues and subsequent NHSE/I – 2020/001 alert relating to the Adequacy, Continuity and Quality of oxygen through the Piped Medical Gas System the trust's approach was to achieve actual measurement rather than a theoretical pipe flow methodology.

[Click here to view this information](#)



The Pandemic Impact on Healthcare Buildings

Emma Bolton, Area Director (North East and Leeds), Community Ventures (Management) Ltd and Louise English, Capital Planning and Property Manager, North Tees and Hartlepool Solutions Ltd report explore how the physical environment in which healthcare is delivered can continue to protect and meet the needs of its workforce and patients as services start to be recommissioned and planned care, which was paused as the pandemic took hold, recommences.

[Click here read the full report](#)



International Engineering Survey

The Royal Academy of Engineering is running a global survey to improve understanding of the role of engineers involved in the COVID-19 response.

As part of the Academy's Engineering X Pandemic Preparedness programme, the survey is gathering evidence to facilitate global sharing of lessons amongst the engineering community on disruptive solutions and best practice, and to inform the international engineering response to the pandemic.

If you're an engineer involved in any aspect of the COVID-19 response we would love to hear your views.

[Respond to the survey](#) [Click here to r](#)



Royal Academy of Engineering CEO view

Dr Hayaatun Sillem CBE Hon FIHEEM, Chief Executive of the Royal Academy of Engineering shares her views on engineering better ways to control hospital acquired infections in a post-COVID world.

[Click here read this article](#)

