

CwPAMS responding to and supporting emerging infections (COVID19)

On 30th January 2020, the global outbreak of COVID-19 was declared a Public Health Emergency of international concern by the World Health Organisation. At this crucial time, the Commonwealth Partnership for Antimicrobial Stewardships are continuing to support healthcare institutions in their fight against infection.

Box 1. Hand washing Facilities for Uganda Makerere University in Uganda, Nottingham Trent University and Buckinghamshire Healthcare NHS Trust

Highlighted here is an example of partnership between Makerere University in Uganda, Nottingham Trent University and Buckinghamshire Healthcare NHS Trust who successfully crowdfunded to support the delivery of handwashing facilities to the community of Zzinga & Bussi Islands on Lake Victoria.

“Coming exactly at the time when they are needed the most, communities have access to these life-saving, essential facilities”

Outcomes:

A total 110 handwashing facilities each with a jerrycan and stand were bought. 48 hand washing facilities were given to community health workers (CHWs) in Bussi islands, 34 to CHWs in Zzinga Islands, 4 to Bishop Kauma Zzinga Primary School, 3 to Bussi Secondary School, 3 to Zzinga Health Centre and one to the Local Council III Chairperson Bussi Sub - county. The remaining handwashing facilities will be given other primary schools and health centres in rural Wakiso district. Before giving out the handwashing facilities, CHWs were taken through a brief introduction on AMS, Infection Prevention and Control practices, steps of handwashing as recommended by WHO and the Glo Germ experiment.

Photos of this inspirational achievement can be found on the partnership Twitter thread <https://twitter.com/clairebrandish1/status/1240897207538196481?s=21>

Box 2. Introducing local manufacture of hand-sanitiser Brighton and Sussex University Hospitals NHS Trust (BSUH), Brighton and Sussex Medical School (BSMS) Brighton – University Teaching Hospital (UTH), University of Zambia (UNZA) School of Pharmacy, Lusaka and University Hospital Ndola

To prevent spread of infection the Brighton and Sussex University Hospitals NHS Trust (BSUH), Brighton and Sussex Medical School (BSMS) Brighton – University Teaching Hospital (UTH), University of Zambia (UNZA) School of Pharmacy, Lusaka and University Hospital Ndola partnership have tackled the issue of limited handwashing facilities by local manufacture of hand sanitiser.

An alcohol-based hand sanitizer facility has been set up at UTH and is run by the pharmacy team, who are producing hand sanitizer as per WHO requirements. This was made possible by the generous donation of funds from the Brighton-Lusaka Health Link to purchase the manufacturing still and training from Ndola Hospital IPC team. UTH are committed to continued supply of ingredients required for hand sanitizer production and since its opening in March 2020 over 250 litres of hand sanitizer has been produced for local use. This is being distributed throughout the hospital in dispensers provided during the CwPAMS project via another generous donation from the Rotary club.

Implementation of the hand sanitiser across the hospital was supported by training on how to apply and sanitiser correctly and when to use it, including posters in clinical areas. Education included a “bare below the elbows” message for effective hand cleaning.

Educational Power Point slides:

https://commonwealthpharmacy.org/wp-content/uploads/2020/04/IPC-Poster_final.pdf

Photos of this inspirational achievement can be found on the partnership Twitter thread

<https://twitter.com/anjastclairjone/status/1244665600770793472?s=21>

Infection Control Resources

World Health Organisation (WHO) guidance documents

WHO have developed a number of resources that case support assessment of infection prevention and control, to highlight gaps and design interventions. Below are several links to key guidance documents:

- <https://www.who.int/infection-prevention/en/>
- The core components of IPC: <https://www.who.int/gpsc/ipc/en/>
- Water and Sanitation for Health
(WASH): https://www.who.int/water_sanitation_health/en/
- Guidelines for the prevention and control of carbapenem-resistant Enterobacteriaceae, *Acinetobacter baumannii* and *Pseudomonas aeruginosa* in health care facilities <https://www.who.int/infection-prevention/publications/guidelines-cre/en/>

Infection Control Assessment Tools

- Facility implementation manual: <https://www.who.int/infection-prevention/tools/core-components/facility-manual.pdf?ua=1>
- Key assessment tool: <https://www.who.int/infection-prevention/tools/core-components/IPCAF-facility.PDF?ua=1>
- Water and Sanitation for Health Facility Improvement Tool (WASH FIT): <https://apps.who.int/iris/bitstream/handle/10665/254910/9789241511698-eng.pdf;jsessionid=22DF20F68914A13BDD4826E7BF5DA534?sequence=1>
- WHO Surgical safety checklist: <http://www.who.int/patientsafety/safesurgery/checklist/en/>

Infection Control Training Materials

- WHO Advanced Infection Prevention and Control Training, slides 9-27 particularly relevant: <https://www.who.int/infection-prevention/tools/core-components/advanced-training-leadership.pdf?ua=1>
- Leadership and Programme Management in Infection Prevention and Control: Student Hand book - focus on handouts 1&2: <https://www.who.int/infection-prevention/tools/core-components/student-handbook.pdf?ua=1>
- WHO IPC trainer guide: <https://www.who.int/infection-prevention/tools/core-components/trainer-guide.pdf?ua=1>
- Using Infection Control to Combat Antimicrobial Resistance
<https://www.futurelearn.com/courses/infection-control-antimicrobial-resistance>

Infection Control Videos

Overview of the WHO core components:

https://www.youtube.com/watch?time_continue=2&v=LZapz2L6J1Q

IPC Leadership video:

<https://www.youtube.com/watch?v=92bFMeS35vA&feature=youtu.be>

Webinars and modules on handwashing <https://globalhandwashing.org/learn/education-modules/>

My 5 Moments for hand hygiene

<http://www.who.int/gpsc/5may/background/5moments/en/>