

## COVID-19 Infection Prevention and Control Sameeksha

WHO Country Office for India | 15 April 2020 | Volume 2

*A compilation of recent publications on COVID-19 relevant for antimicrobial resistance containment in India*

### Publications from scientific journals

#### How to protect the protectors:

##### *10 lessons to learn for doctors fighting the COVID-19 Coronavirus*

- Proposes interventions to ensure physicians do not end up becoming patients themselves
  - Establish triage areas and source control
  - Reinforce standard precautions and hygiene
  - Follow safety measures whilst dealing with OPD patients
  - Ensure safety measures whilst caring for hospitalised patients
  - Casually exposed HCWs should not be self-quarantined
  - Special precautions must be followed for aerosol generating procedures (AGP)
  - Environmental and engineering controls involve adequate ventilation of all healthcare facilities and proper environmental disinfection
  - Ensure access to personal protective equipment (PPE) for health workers

*Med J Armed Forces Ind* | Editorial | 31 March 2020 | [Online link](#)

#### Universal Screening for SARS-CoV-2 in Women Admitted for Delivery

- Between 22 March and 4 April 2020, a total of 215 pregnant women delivered infants at the New York – Presbyterian Allen Hospital and Columbia University Irving Medical Center.
- All women were screened on admission for Covid-19 – and 29 of the 33 patients who were positive for SARS-CoV-2 at admission (87.9%) had no symptoms of Covid-19 at presentation

*New Eng J Med* | Correspondence | 13 April 2020 | [Online link](#)

#### Evolving epidemiology and transmission dynamics of coronavirus disease 2019 outside Hubei province, China: a descriptive and modelling study

- ... the estimates of the incubation period and serial interval were similar, suggesting an early peak of infectiousness, with possible transmission before the onset of symptoms
- The results also indicate that, as the epidemic progressed, infectious individuals were isolated more quickly, thus shortening the window of transmission in the community.
- Overall, the findings indicate that strict containment measures, movement restrictions, and increased awareness of the population might have contributed to interrupt local transmission of SARS-CoV-2 outside Hubei province.

*The Lancet Infectious Diseases* | Article, Online First | 2 April 2020 | [Online link](#)

### Face masks for the public during the covid-19 crisis

- The authors argue that it is time to apply the precautionary principle
- Key messages – the precautionary principle states we should sometimes act without definitive evidence, just in case; whether masks will reduce transmission of covid-19 in the general public is contested; even limited protection could prevent some transmission of covid-19 and save lives; and because covid-19 is such a serious threat, wearing masks in public should be advised

*BMJ* | Analysis | 9 April 2020 | [Online link](#)

### Barrier Enclosure during Endotracheal Intubation

- Clinicians with inadequate access to standard PPE can protect themselves during endotracheal intubation through an “aerosol box,” which consists of a transparent plastic cube designed to cover a patient’s head and that incorporates two circular ports through which the clinician’s hands are passed to perform the airway procedure...

*New Eng J Med* | Correspondence | 3 April 2020 | [Online link](#)

## WHO guidelines

### Rational use of personal protective equipment for coronavirus disease (COVID-19) and considerations during severe shortages

- Summarizes WHO’s recommendations for rational use of PPE in health care and home care settings, as well as during the handling of cargo; it also assesses the current disruption of the global supply chain and considerations for decision making during severe shortages of PPE
- This updated version includes a section on considerations for decision making processes and a summary of temporary measures in the context of severe PPE shortage

*WHO* | Interim guidance | 6 April 2020 | [Online link](#)

### Advice on the use of masks in the context of COVID-19

- Provides advice on the use of masks in communities, during home care, and in health care settings in areas that have reported cases of COVID-19. It is intended for individuals in the community, public health and IPC professionals, health care managers, health care workers (HCWs), and community health workers. This updated version includes a section on advice to decision makers on the use of masks for healthy people in community settings.

*WHO* | Interim guidance | 6 April 2020 | [Online link](#)

### Recommendations to Member States to improve hand hygiene practices to help prevent the transmission of the COVID-19 virus

- Universal access to public hand hygiene stations and making their use obligatory on entering and leaving any public or private commercial building and any public transport facility; healthcare facilities should improve access to and practice of hand hygiene

*WHO* | Interim guidance | 1 April 2020 | [Online link](#)

### Q&A on infection prevention and control for health care workers caring for patients with suspected or confirmed 2019-nCoV

- Provides answers to frequently asked questions on IPC for health care workers

*WHO* | Q&A | 31 March 2020 | [Online link](#)

## MoHFW/Gol guidelines

### Guidelines for Quarantine facilities COVID-19

- Interim guidance for setting up quarantine facilities; includes an assessment checklist

*NCDC* | Guideline | 5 April 2020 | [Online link](#)

### Revised Guidelines for Dialysis of COVID-19 patients

- Revised guidance for maintenance hemodialysis (MHD) and continuous ambulatory peritoneal dialysis (CAPD), who are more prone to acquire infections

*MoHFW* | Guideline | 7 April 2020 | [Online link](#)

### Advisory on use of Homemade Protective Cover for Face & Mouth

- A manual which provides a simple outline of best practices to make, use and reuse face covers to enable NGOs and individuals to make face protection themselves

*Office of the Principal Scientific Advisor to the Gol & MoHFW* | 3 April 2020 | [Online link](#)

## Trainings / IEC resources

### Infection Prevention and Control (IPC) for Novel Coronavirus (COVID-19)

- Self-paced free online training intended for healthcare workers and public health professionals, with a certificate (Confirmation of Participation)
- Provides information on what facilities should be doing to be prepared to respond to a case of an emerging respiratory virus such as the novel coronavirus, how to identify a case once it occurs, and how to properly implement IPC measures to ensure there is no further transmission to HCW or to other patients and others in the healthcare facility

*WHO* | Open WHO training course | 6 April 2020 | [Online link](#)

### iGOT courses on DIKSHA platform on COVID-19 pandemic

- Online trainings for doctors, nurses, hygiene workers, technicians, ANMs, State Govt Officers, Civil Defence Officials, various police organizations, NCC, NYKS, IRCS, BSG and other volunteers

*MoHFW and MoPPGP* | Online learning platform | 7 April 2020 | [Online link](#)

### COVID-19: How to put on and remove personal protective equipment

- Guide for healthcare workers involved in patient care activities in a healthcare setting, it aims to show the type of personal protective equipment or PPE needed to correctly protect oneself

*WHO* | Open WHO training video | 15 April 2020 | [Online link](#)

### Updated List of Training Resources for COVID - 19 Management

- Resource material for capacity building of healthcare professionals for Covid-19 containment

*MoHFW* | Compilation of training resources | 6 April 2020 | [Online link](#)

### Infection prevention and control

- Presentation on IPC

*NCDC* | presentation | 8 April 2020 | [Online link](#)

**Appropriate PPE use in Different Areas of the Hospital**

- Video demonstrating PPE use in different segments of the hospitals

*A/IMS* | Telemedicine video on YouTube | 8 April 2020 | [Online link](#)

**Know how to use your own Homemade Reusable Face Cover**

- Video on how to use your own homemade reusable face cover

*MoHFW* | YouTube video | 7 April 2020 | [Online link](#)

**Infection control – including basic personal protective equipment**

- Learn how to don and doff basic PPE as well as the principles of other important infection control measures in a hospital environment

*BMJ Learning* | Online learning for doctors, medical students | 7 April 2020 | [Online link](#)

**Antimicrobial Resistance and COVID-19****COVID-19 and why tackling the silent crisis of drug-resistant infections matters more than ever**

- Link between COVID-19 and drug-resistant infections is more troubling than many realize. Antibiotics, while not effective against viruses, are being used frequently in people with COVID-19 to prevent or treat suspected or confirmed secondary bacterial infections
- According to an early study from China, secondary infections causing bacterial pneumonia, bloodstream infections, sepsis and hospital-acquired infections were present in half of all deceased COVID-19 patients

*GARDP* | AMR Insights | 3 April 2020 | [Online link](#)

**COVID-19 and AMR – what do we know so far?**

- Provides an overview of what is known so far about how AMR and COVID-19

*ReAct* | News and opinions | 2 April 2020 | [Online link](#)

**Understanding Hygiene promotion in the context of Risk Communication & Community Engagement (RCCE) and Infection Control and Prevention (IPC) for the COVID-19 outbreak**

- Hygiene Programming Guidance Note

*UNICEF* | Draft guidance | 1 April 2020 | [Online link](#)