

Guide and resource materials for hospital readiness for and response to COVID-19 (linked to related checklist)

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Hospitals are complex institutions which play a fundamental role in the provision of health services. During rapidly evolving outbreaks, the provision of care by hospitals and health care facilities tends to become interrupted. Proactive and systematic implementation of a preparedness and response action plan is therefore essential to improve and facilitate management within the hospital.

This guide provides a list of recommended readings and resource materials to help hospitals prepare for and respond to the COVID-19 pandemic. All the guidelines listed are directly relevant to the response activities proposed in the WHO Regional Office's hospital readiness checklist.

This guide includes guidelines related to leadership and coordination, logistics management, information, communication, human resources, rapid identification of cases, diagnosis, isolation and case management, and infection prevention and control.



Response Function	Response Guidance and resource Material
	Hospital Incident Management System
Leadership and coordination	Considerations in the investigation of cases and clusters of COVID-19 https://www.who.int/publications-detail/considerations-in-the-investigation-of-cases-and-clusters-of-covid-19 Operational considerations for case management of COVID-19 in health facility and community https://apps.who.int/iris/bitstream/handle/10665/331492/WHO-2019-nCoV-HCF operations-2020.1-eng.pdf Global surveillance for COVID-19 caused by human infection with COVID-19 virus https://apps.who.int/iris/bitstream/handle/10665/331506/WHO-2019-nCoV-SurveillanceGuidance-2020.6-eng.pdf Hospital Readiness and Response Critical preparedness, readiness and response actions for COVID-19 https://www.who.int/publications-detail/critical-preparedness-readiness-and-response-actions-for-covid-19 Responding to community spread of COVID-19 https://www.who.int/publications-detail/responding-to-community-spread-of-covid-19
Operational support, logistics and supply management	Operational Guidelines
	Operational planning guidelines to support country preparedness and response https://www.who.int/docs/default-source/coronaviruse/covid-19-sprp-unct- guidelines.pdf?sfvrsn=81ff43d8_4 National capacities review tool for a novel coronavirus https://www.who.int/publications-detail/national-capacities-review-tool-for-a- novelcoronavirus



Response Function	Regional Office for the Eastern Mediterranean Response Guidance and resource Material
	Disease commodity package - Novel Coronavirus (nCoV) https://www.who.int/publications-detail/disease-commodity-packagenovel-coronavirus-(ncov)
	Procedure for the management of work teams
	Coronavirus disease (COVID-19) outbreak: rights, roles and responsibilities of health workers, including key considerations for occupational safety and health
	https://www.who.int/publications-detail/coronavirus-disease-(covid-19)-outbreak-rights-roles-and-responsibilities-of-health-workers-including-key-considerations-for-occupational-safety-and-health
	Maintenance and Repair
	Implementing an equipment maintenance programme https://extranet.who.int/lqsi/sites/default/files/attachedfiles/LQMS%203-4%20Equipment%20maintenance%20programme.pdf
Information	Reporting Guideline and forms
	Revised case report form for Confirmed Novel Coronavirus COVID-19 (report to WHO within 48 hours of case identification)
	https://apps.who.int/iris/bitstream/handle/10665/331234/WHO-2019-nCoV-SurveillanceCRF-2020.2-eng.pdf
	Global COVID-19 Clinical Platform NOVEL CORONAVIRUS (COVID-19) - RAPID VERSION
	https://www.who.int/docs/default-source/coronaviruse/who-ncov-crf.pdf?sfvrsn=84766e69_4
	standardized form for reporting on emergency activities:
	 <u>Data Dictionary for case-based reporting form</u> <u>Template for Line list for Case-based Reporting</u> <u>Aggregated weekly Reporting Form</u>



Response	Regional Office for the Eastern Mediterranean Response Guidance and resource Material
Function	
Communication	Mechanisms internal and external communications
	Risk Communication and Community Engagement (RCCE) Action Plan Guidance COVID- 19 Preparedness and Response
	https://www.who.int/publications-detail/risk-communication-and-community-engagement- (rcce)-action-plan-guidance
	Risk communication and community engagement (RCCE) readiness and response to the 2019 novel coronavirus (2019-nCoV)
	https://www.who.int/publications-detail/risk-communication-and-community-engagement-readiness-and-initial-response-for-novel-coronaviruses-(-ncov)
	The Covid-19 risk communication package for healthcare facilities https://iris.wpro.who.int/handle/10665.1/14482
	Mental Health and Psychosocial Support
	Mental health and psychosocial considerations during the COVID-19 outbreak
	https://www.who.int/publications-detail/mental-health-and-psychosocial-considerations-during-the-covid-19-outbreak
S	Social Stigma associated with COVID-19
Human Resources	https://www.who.int/docs/default-source/coronaviruse/covid19-stigma-guide.pdf
	Staff Safety
	Infection prevention and control during health care when novel coronavirus (nCoV) infection is suspected
	https://www.who.int/publications-detail/infection-prevention-and-control-during-health-care-when-novel-coronavirus-(ncov)-infection-is-suspected-20200125



Response Function	Response Guidance and resource Material
	Infection Among Health Care Workers
	Protocol for assessment of potential risk factors for 2019-novel coronavirus (2019-nCoV) infection among health care workers in a health care setting
	https://www.who.int/publications-detail/protocol-for-assessment-of-potential-risk-factors-for-2019-novel-coronavirus-(2019-ncov)-infection-among-health-care-workers-in-a-health-care-setting
	Coronavirus disease (COVID-19) outbreak: rights, roles and responsibilities of health workers, including key considerations for occupational safety and health
	https://www.who.int/publications-detail/coronavirus-disease-(covid-19)-outbreak-rights-roles-and-responsibilities-of-health-workers-including-key-considerations-for-occupational-safety-and-health
	Risk assessment and management of exposure of health care workers in the context of COVID-19
	https://apps.who.int/iris/bitstream/handle/10665/331496/WHO-2019-nCov-HCW_risk_assessment-2020.2-eng.pdf
	Training and Education
	Clinical Care Severe Acute Respiratory Infection
	https://openwho.org/courses/severe-acute-respiratory-infection
	ePROTECT Respiratory Infection
	https://openwho.org/courses/eprotect-acute-respiratory-infections
es city	Discharge Criteria for confirmed cases
Continuity of essential services and Surge Capacity	Discharge criteria for confirmed COVID-19 cases – When is it safe to discharge COVID-19 cases from the hospital or end home isolation? https://www.ecdc.europa.eu/sites/default/files/documents/COVID-19-Discharge-criteria.pdf
Contin essential and Surge	COVID-19 Hospital Discharge Service Requirements https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/87 4213/COVID-19_hospital_discharge_service_requirements.pdf



Response Function	Response Guidance and resource Material Response Guidance and resource Material
7 0.1101.011	Early Investigation
Rapid Identification	COVID-19 Early Epidemiologic and Clinical investigations for public health response https://www.who.int/docs/default-source/coronaviruse/200218-early-investigations-one- pager-v1-eng.pdf?sfvrsn=8aa0856_14 Coronavirus disease (COVID-19) technical guidance: Early investigations protocols https://www.who.int/emergencies/diseases/novel-coronavirus-2019/technical- guidance/early-investigations The First Few X (FFX) Cases and contact investigation protocol for 2019-novel coronavirus (2019-nCoV) infection https://www.who.int/publications-detail/the-first-few-x-(ffx)-cases-and-contact- investigation-protocol-for-2019-novel-coronavirus-(2019-ncov)-infection
Diagnosis	Biosafety
	Laboratory biosafety guidance related to coronavirus disease 2019 (COVID-19) https://www.who.int/publications-detail/laboratory-biosafety-guidance-related-to-coronavirus-disease-2019-(covid-19) Surface sampling of coronavirus disease (COVID-19): A practical "how to" protocol for health care and public health professionals https://apps.who.int/iris/bitstream/handle/10665/331058/WHO-2019-nCoV-Environment protocol-2020.1-eng.pdf
	laboratory and imaging services for diagnosis of COVID-19.
	Laboratory testing strategy recommendations for COVID-19 https://apps.who.int/iris/bitstream/handle/10665/331509/WHO-COVID-19-lab_testing-2020.1-eng.pdf
	Laboratory testing for 2019 novel coronavirus (2019-nCoV) in suspected human cases



	Regional Office for the Eastern Mediterranean
Response Function	Response Guidance and resource Material
	https://www.who.int/publications-detail/laboratory-testing-for-2019-novel-coronavirus-in-suspected-human-cases-20200117
	Diagnostic detection of 2019-nCoV by real-time RT-PCR
	https://www.who.int/docs/default-source/coronaviruse/protocol-v2-1.pdf?sfvrsn=a9ef618c_2
	Protocol: Real-time RT-PCR assays for the detection of SARS-CoV-2 Institut Pasteur, Paris
	https://www.who.int/docs/default-source/coronaviruse/real-time-rt-pcr-assays-for-the-detection-of-sars-cov-2-institut-pasteur-paris.pdf?sfvrsn=3662fcb6_2
	Operational Consideration for Management
Case Management	Considerations in the investigation of cases and clusters of COVID-19 https://www.who.int/publications-detail/considerations-in-the-investigation-of-cases-and-clusters-of-covid-19
	Global surveillance for COVID-19 caused by human infection with COVID-19 virus https://apps.who.int/iris/bitstream/handle/10665/331506/WHO-2019-nCoV-SurveillanceGuidance-2020.6-eng.pdf Operational considerations for case management of COVID-19 in health facility and
	community https://apps.who.int/iris/handle/10665/331492
Case	Guidelines/protocols for management of suspected or confirmed cases
Isolation and	Considerations for quarantine of individuals in the context of containment for coronavirus disease (COVID-19) https://www.who.int/publications-detail/considerations-for-quarantine-of-individuals-in-the-context-of-containment-for-coronavirus-disease-(covid-19)
	Clinical management of severe acute respiratory infection when novel coronavirus (nCoV) infection is suspected
	https://www.who.int/publications-detail/clinical-management-of-severe-acute-respiratory-infection-when-novel-coronavirus-(ncov)-infection-is-suspected
	Home care for patients with COVID-19 presenting with mild symptoms and management of their contacts



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Response Function	Response Guidance and resource Material
	https://www.who.int/publications-detail/home-care-for-patients-with-suspected-novel-coronavirus-(ncov)-infection-presenting-with-mild-symptoms-and-management-of-contacts
	Infection Prevention and Control General Guidance
	Infection Prevention and Control guidance for Long-Term Care Facilities in the context of COVID-19 https://apps.who.int/iris/handle/10665/331508 Hospital hygiene and infection control https://www.who.int/water_sanitation_health/medicalwaste/148to158.pdf
	Infection prevention and control assessment framework at the facility level https://www.who.int/infection-prevention/tools/core-components/IPCAF-facility.PDF?ua=1
ıtrol	Training on the use of Personal Protective devices
Infection prevention and control	Rational use of personal protective equipment (PPE) for coronavirus disease (COVID-19) https://apps.who.int/iris/handle/10665/331498
	Advice on the use of masks in the community, during home care and in healthcare settings in the context of the novel coronavirus (COVID-19) outbreak
	https://www.who.int/publications-detail/advice-on-the-use-of-masks-in-the-community-during-home-care-and-in-healthcare-settings-in-the-context-of-the-novel-coronavirus-(2019-ncov)-outbreak
	Protocols for disinfection and sterilization of biomedical equipment and material devices.
	Decontamination and Reprocessing of Medical Devices for Health-care Facilities
	https://apps.who.int/iris/bitstream/handle/10665/250232/9789241549851- eng.pdf?sequence=1
	Guideline for Disinfection and Sterilization in Healthcare Facilities, 2008, updated May 2019 https://www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf



	Regional Office for the Eastern Mediterranean
Response Function	Response Guidance and resource Material
	WHO Surgical Care at the District Hospital 2003, Cleaning, Disinfection, Sterilization https://www.who.int/surgery/publications/OrganizationManagement.pdf
	Hygiene and Waste management
	Water, sanitation, hygiene and waste management for COVID-19
	https://www.who.int/publications-detail/water-sanitation-hygiene-and-waste-management-for-covid-19
	Hand washing
	Clean hands protect against infection
	https://www.who.int/gpsc/clean_hands_protection/en/
	Infection prevention and control during health care when novel coronavirus (nCoV) infection is suspected
	https://www.who.int/publications-detail/infection-prevention-and-control-during-health-care-when-novel-coronavirus-(ncov)-infection-is-suspected-20200125
	Corpse handling and transport
	Infection Prevention and Control for the safe management of a dead body in the context of COVID-19 https://apps.who.int/iris/handle/10665/331538
	Considerations related to the safe handling of bodies of deceased persons with suspected Covid-19
	https://www.ecdc.europa.eu/en/publications-data/considerations-related-safe-handling-bodies-deceased-persons-suspected-or