



CANADIAN SOCIETY OF RESPIRATORY THERAPISTS

SOCIÉTÉ CANADIENNE DES THÉRAPEUTES RESPIRATOIRES

The following is a collection of resources to inform respiratory therapists and guide their practice during the Coronavirus disease 2019 (COVID-19) outbreak.

The information provided through the following sources is not intended to replace local policies and procedures, clinical guidelines or the clinical judgement of the health care provider.

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Using One Ventilator for Multiple Patients		
Source	Title/Topic	Link
American Association for Respiratory Care	COVID-19: Joint Statement & Guidance Document on Multiple Patients Per Ventilator	https://www.aarc.org/joint-statement-guidance-document-on-multiple-patients-per-ventilator/?fbclid=IwAR2dWYOFFw-45DWR9l6YHLDauw_vrW_0qf1aHzoTpWagIAj2-d2UPtMmSHA

Clinical Management		
Source	Title/Topic	Link
British Columbia Centre for Disease Control	“Testing and caring for patients in primary care”	http://www.bccdc.ca/health-professionals/clinical-resources/covid-19-care/clinical-care/primary-care
Government of Manitoba: Shared Health/Soins communs	“COVID-19 Primary Care Providers in Community Personal Protective Equipment”	https://sharedhealthmb.ca/files/covid-19-ppe-pcp-community.pdf
	“Primary Care Providers in the Community”	https://sharedhealthmb.ca/files/covid-19-primary-care-providers-in-community.pdf
Government of Newfoundland and Labrador	“Novel Coronavirus (COVID-19) Information for Asymptomatic Individuals Isolating at Home”	https://www.health.gov.nl.ca/health/publichealth/cdc/coronavirus/healthcareprofessionals/Novel_Coronavirus_info_asymptomatic_individuals_isolating_home_v1.pdf
	“Novel Coronavirus (COVID-19) Information for Symptomatic Individuals Isolating at Home”	https://www.health.gov.nl.ca/health/publichealth/cdc/coronavirus/healthcareprofessionals/Novel_coronavirus_info_symptomatic_individuals_isolating_home_v1.pdf
Government of Ontario	Guidance for Primary Care Providers in a Community Setting	http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_primary_care_guidance.pdf
	Guidance for Acute Care	http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_acute_care_guidance.pdf
	Guidance for Home and Community Care Providers	http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/docs/2019_home_community_care_guidance.pdf
Journal of the American Medical Association	Murthy S, Gomersall CD, Fowler RA. Care for Critically Ill Patients with COVID-19. <i>JAMA</i> . Published online March 11, 2020. doi:10.1001/jama.2020.3633	https://jamanetwork.com/journals/jama/fullarticle/2762996?guestAccessKey=a12e778b-9865-42d5-863c-435d0fd9fb0b&utm_source=fbpage&utm_medium=social_jama&utm_term=3192958361&utm_campaign=article_alert&linkId=84129390
Canadian Journal of Anesthesia	“Practical recommendations for critical care and anesthesiology teams caring for novel coronavirus (2019-nCoV) patients”	https://link.springer.com/content/pdf/10.1007/s12630-020-01591-x.pdf

US Centers for Disease Control	Interim Guidance for Implementing Home Care of People Not Requiring Hospitalization for Coronavirus Disease 2019 (COVID-19)	https://www.cdc.gov/coronavirus/2019-ncov/hcp/guidance-home-care.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fguidance-home-care.html
World Health Organization	“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 suspected novel coronavirus (nCoV) infection presenting with mild symptoms and management of contacts”	https://www.who.int/publications-detail/home-care-for-patients-with-suspected-novel-coronavirus-(ncov)-infection-presenting-with-mild-symptoms-and-management-of-contacts
Australian and New Zealand Intensive Care Society	“Australian and New Zealand Intensive Care Society COVID-19 Guidelines” (includes airway management, patient transport, PPE, rapid response/code blue, and management of respiratory failure guidance)	https://www.anzics.com.au/wp-content/uploads/2020/03/ANZICS-COVID-19-Guidelines-Version-1.pdf?fbclid=IwAR3T6Hdg_EJRsga453jHOwPfcTw2v20SvEujhgcpa0bZ6NOB2AAYO2VZSc
“Care for critically ill patients with COVID-19” (Journal of the American Medical Association)	Murthy S, Gomersall CD, Fowler RA. Care for Critically Ill Patients with COVID-19. <i>JAMA</i> . Published online March 11, 2020. doi:10.1001/jama.2020.3633	https://jamanetwork.com/journals/jama/fullarticle/2762996?guestAccessKey=a12e778b-9865-42d5-863c-435d0fd9fb0b&utm_source=fbpage&utm_medium=social_jama&utm_term=3192958361&utm_campaign=article_alert&linkId=84129390
National Center for Biotechnology Information	“Features, Evaluation and Treatment Coronavirus (COVID-19)”	https://www.ncbi.nlm.nih.gov/books/NBK554776/
Open Forum Infectious Diseases	“COVID-19 treatments: A review of early and emerging options” (focuses on pharmacological treatments)	https://academic.oup.com/ofid/advance-article/doi/10.1093/ofid/ofaa105/5811022?searchresult=1

Anesthesia		
Source	Title/Topic	Link
Anesthesia Patient Safety Foundation	“Perioperative Considerations for the 2019 Novel Coronavirus (COVID-19)”	https://www.apsf.org/news-updates/perioperative-considerations-for-the-2019-novel-coronavirus-covid-19/
Canadian Journal of Anesthesia	“Practical recommendations for critical care and anesthesiology teams caring for novel coronavirus (2019-nCoV) patients”	https://link.springer.com/content/pdf/10.1007/s12630-020-01591-x.pdf
World Federation of Societies of Anesthesiologists	“Coronavirus guidance for anesthesia and perioperative care providers”	https://www.wfsahq.org/resources/coronavirus
University of Toronto, Anesthesia and Pain Management	“Coronavirus and safety precautions”	https://www.anesthesia.utoronto.ca/news/coronavirus-and-safety-precautions
Anesthesiology	Special article series on the Coronavirus Disease 2019 (COVID-19) pandemic	https://anesthesiology.pubs.asahq.org/ss/coronavirus.aspx

Pulmonary Function Testing		
Source	Title/Topic/Citation	Link
[“Expert consensus on pulmonary function testing during the epidemic of coronavirus disease 2019”]		https://www.ncbi.nlm.nih.gov/pubmed/32129580 (Link is to abstract only.)
Association for Respiratory Technology and Physiology (UK)	Update: Lung function testing and other respiratory diagnostics/therapies	https://www.artp.org.uk/News/artp-covid19-update-18th-march-2020
“Infection control in the pulmonary function test laboratory” (Review article)	Rasam, SA, Apte KK, and Salvi, SS Lung India. 2015 Jul-Aug; 32(4): 359–366. doi: 10.4103/0970-2113.159571	https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4502201/

Pregnancy and Breastfeeding		
Source	Title/Topic	Link
The Society of Obstetricians and Gynaecologists of Canada	SOGC Committee Opinion – “COVID-10 in Pregnancy”	https://sogc.org/en/content/featured-news/Updated-SOGC-Committee-Opinion%E2%80%93COVID-19-in-Pregnancy.aspx
	SOGC Statement – “Pregnant Health Care Professionals and COVID-19”	https://www.sogc.org/en/content/featured-news/SOGC-Statement-Pregnant-Health-Care-Professionals-and-COVID-19.aspx
US Centres for Disease Control	“Pregnancy and Breastfeeding”	https://www.cdc.gov/coronavirus/2019-ncov/prepare/pregnancy-breastfeeding.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fspecific-groups%2Fpregnancy-faq.html

Mental Health Resources to Support Health Care Workers		
Source	Title/Topic	Link
BC Centre for Disease Control	"Supporting the Psychosocial Well-being of Health Care Providers During the Novel Coronavirus (COVID-19) Pandemic"	http://www.bccdc.ca/Health-Professionals-Site/Documents/COVID19-Psychosocial-Supports-HCW.pdf
World Health Organization	"Mental Health and Psychosocial Considerations During COVID-19 Outbreak"	https://www.who.int/docs/default-source/coronaviruse/mental-health-considerations.pdf
US Department of Veterans' Affairs	"Managing Healthcare Workers' Stress Associated with the COVID-19 Virus Outbreak" *	https://www.ptsd.va.gov/covid/COVID_healthcare_workers.asp

Daily Updates and Situation Reports		
Source	Title/Topic	Link
Government of Canada	"Coronavirus disease (COVID-19): Outbreak Update"	https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html
World Health Organization	Situation Reports (by date)	https://www.who.int/emergencies/diseases/novel-coronavirus-2019/situation-reports/
Government of Ontario	"The 2019 Novel Coronavirus (COVID-19)"	https://www.ontario.ca/page/2019-novel-coronavirus
Government of Quebec	"Situation in Québec and Worldwide"	https://www.quebec.ca/en/health/health-issues/a-z/2019-coronavirus/#c46333

Online Courses		
Source	Title/Topic	Link
World Health Organization	Various resources for health professionals, decision-makers and the public – updated on an ongoing basis	https://openwho.org/channels/covid-19?locale=en
MDBriefcase	A Canadian Healthcare Provider's Guide to The Novel Coronavirus (2019-NCov)	https://www.mdbriefcase.com/course/a-canadian-healthcare-providers-guide-to-the-novel-coronavirus-2019-ncov/

Global Tracker of COVID-19 Cases		
Source	Title/Topic	Link
Johns Hopkins CSSE	"Coronavirus COVID-19 Global Cases"	https://gisanddata.maps.arcgis.com/apps/opsdashboard/index.html#/bda7594740fd40299423467b48e9ecf6

Infection Prevention and Control (including Personal Protective Equipment)		
Source	Title/Topic	Link
Public Health Agency of Canada	"Infection Prevention and Control"	https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/health-professionals.html#i
	"Infection prevention and control for coronavirus disease (COVID-19): Interim guidance for acute healthcare settings"	https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/health-professionals/interim-guidance-acute-healthcare-settings.html
US Centers for Disease Control	"Interim Infection Prevention and Control Recommendations for Patients with Suspected or Confirmed Coronavirus Disease 2019 (COVID-19) in Healthcare Settings"	https://www.cdc.gov/coronavirus/2019-ncov/infection-control/control-recommendations.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fcoronavirus%2F2019-ncov%2Fhcp%2Finfection-control.html
	"Preventing the Spread of Coronavirus Disease 2019 in Homes and Residential Communities"	https://www.cdc.gov/coronavirus/2019-ncov/guidance-prevent-spread.html
World Health Organization	"Rational use of personal protective equipment for coronavirus disease 2019 (COVID-19)"	https://apps.who.int/iris/bitstream/handle/10665/331215/WHO-2019-nCov-IPCPE_use-2020.1-eng.pdf
	Infection control for health care workers Q&A (contains information on recommended PPE for performing NPA or OPA testing)	https://www.who.int/news-room/q-a-detail/q-a-on-infection-prevention-and-control-for-health-care-workers-caring-for-patients-with-suspected-or-confirmed-2019-ncov
	"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"	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
	"Health workers exposure risk assessment and management in the context of COVID-19 virus"	https://apps.who.int/iris/bitstream/handle/10665/331340/WHO-2019-nCov-HCW_risk_assessment-2020.1-eng.pdf
British Columbia Centre for Disease Control	COVID-19 Care – Infection Control – Personal Protective Equipment	http://www.bccdc.ca/health-professionals/clinical-resources/covid-19-care/infection-control/personal-protective-equipment
Government of Manitoba: Shared Health/Soins communs	COVID-19 Primary Care Providers in Community Personal Protective Equipment	https://sharedhealthmb.ca/files/covid-19-ppe-pcp-community.pdf

Links to Research		
Source	Title/Topic/Citation	Link
World Health Organization	Global links to world COVID-19 research	https://www.who.int/emergencies/diseases/novel-coronavirus-2019/global-research-on-novel-coronavirus-2019-ncov
European Respiratory Society (ERS)	ERS Respiratory Digests	https://www.ersnet.org/professional-development/respiratory-digests
"The incubation period of coronavirus disease (COVID-19) from publicly reported confirmed cases: Estimation and application" (Annals of Internal Medicine)	Lauer SA, Grantz KH, Bi Q, et al. The Incubation Period of Coronavirus Disease 2019 (COVID-19) From Publicly Reported Confirmed Cases: Estimation and Application. Ann Intern Med. 2020; [Epub ahead of print 10 March 2020]. doi: https://doi.org/10.7326/M20-0504	https://www.ncbi.nlm.nih.gov/pubmed/32150748
"Care for critically ill patients with COVID-19" (Journal of the American Medical Association)	Murthy S, Gomersall CD, Fowler RA. Care for Critically Ill Patients with COVID-19. JAMA. Published online March 11, 2020. doi:10.1001/jama.2020.3633	https://jamanetwork.com/journals/jama/fullarticle/2762996?guestAccessKey=a12e778b-9865-42d5-863c-435d0fd9fb0b&utm_source=fbpage&utm_medium=social_jama&utm_term=3192958361&utm_campaign=article_alert&linkId=84129390
"The epidemiology and pathogenesis of coronavirus disease (COVID-19) outbreak" (Journal of Autoimmunity)	Hussin A. Rothan and Siddappa N. Byrareddy, Journal of Autoimmunity, https://doi.org/10.1016/j.jaut.2020.102433	https://www.sciencedirect.com/science/article/pii/S0896841120300469?via%3Dihub
"Assessment of the potential for pathogen dispersal during high-flow nasal therapy." (Journal of Hospital Infection)	Kotoda M et al., Assessment of the potential for pathogen dispersal during high-flow nasal therapy. Journal of Hospital Infection, https://doi.org/10.1016/j.jhin.2019.11.010	https://www.journalofhospitalinfection.com/article/S0195-6701(19)30479-7/fulltext
"Understanding of COVID-19 based on current evidence" (Journal of Medical Virology)	Sun P, Lu X, Xu C, Sun W, Pan B. Understanding of COVID-19 based on current evidence. J Med Virol. 2020;1–4. https://doi.org/10.1002/jmv.25722	https://onlinelibrary.wiley.com/doi/full/10.1002/jmv.25722

Information for Health Care Providers		
Source	Title/Topic	Link
Public Health Agency of Canada	"Coronavirus disease (COVID-19): For health professionals"	https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection/health-professionals.html
Canadian Thoracic Society	"2019-nCoV outbreak: Information for Health Professionals"	https://cts-sct.ca/wp-content/uploads/2020/03/Coronavirus-Ver5.pdf
British Columbia Centre for Disease Control	Clinical resources	http://www.bccdc.ca/health-professionals/clinical-resources/covid-19-care
Manitoba (Government of): Shared Health/Soins communs	Various resources for health care providers and staff	https://sharedhealthmb.ca/health-providers/coronavirus-resources/
New Brunswick Office of the Chief Medical Officer (Public Health):	Various resources for health care professionals	https://www2.gnb.ca/content/gnb/en/departments/ocmoh/cdc/content/respiratory_diseases/coronavirus/HealthandAlliedHealthProfessionals.html
Newfoundland and Labrador (Government of)	"Novel Coronavirus (COVID-19) Information for Asymptomatic Individuals Isolating at Home"	https://www.health.gov.nl.ca/health/publichealth/cdc/coronavirus/healthcareprofessionals/Novel_Coronavirus_info_asymptomatic_individuals_isolating_home_v1.pdf
	"Novel Coronavirus (COVID-19) Information for Symptomatic Individuals Isolating at Home"	https://www.health.gov.nl.ca/health/publichealth/cdc/coronavirus/healthcareprofessionals/Novel_coronavirus_info_symptomatic_individuals_isolating_home_v1.pdf
	Other information for health professionals	https://www.gov.nl.ca/covid-19/#for-health-professionals
Ontario Ministry of Health, Ministry of Long- Term Care	"COVID-19: Guidance for the Health Sector"	http://www.health.gov.on.ca/en/pro/programs/publichealth/coronavirus/2019_guidance.aspx
Québec (Institut publique nationale de santé publique)	Various resources (French only)	https://www.inspq.qc.ca/covid-19
Saskatchewan (Government of)	Various resources	https://www.saskatchewan.ca/government/health-care-administration-and-provider-resources/treatment-procedures-and-guidelines/emerging-public-health-issues/2019-novel-coronavirus/information-for-health-care-providers

Provincial Ministries and Public Health

(Many provincial sites contain information specific to accessing testing in each province, local travel restrictions and social isolation measures.)

Source	Title/Topic	Link
Government of Alberta	"COVID-19 coronavirus information for Albertans"	https://www.alberta.ca/coronavirus-info-for-albertans.aspx
	"Chief Medical Officer Updates"	https://www.alberta.ca/coronavirus-info-for-albertans.aspx#toc-5
British Columbia Centre for Disease Control	"COVID-19" (contains a variety of links to resources relating to various aspects of public health, testing and isolation, case counts, etc.)	http://www.bccdc.ca/health-info/diseases-conditions/covid-19
Government of Manitoba	"Novel Coronavirus: COVID-19"	https://www.gov.mb.ca/covid19/
New Brunswick Office of the Chief Medical Officer (Public Health)	"Coronavirus"	https://www2.gnb.ca/content/gnb/en/departments/ocmoh/cdc/content/respiratory_diseases/coronavirus.html
Government of Newfoundland and Labrador	COVID-19 Information	https://www.gov.nl.ca/covid-19/
Government of the Northwest Territories	"Coronavirus disease (COVID-19)"	https://www.hss.gov.nt.ca/en/services/coronavirus-disease-covid-19
Government of Nova Scotia	"Novel coronavirus (COVID-19)": Various resources	https://novascotia.ca/coronavirus/
Nunavut (Department of Health)	"COVID-19 (Novel Coronavirus)"	https://www.gov.nu.ca/health/information/covid-19-novel-coronavirus
Government of Ontario	"The 2019 Novel Coronavirus"	https://www.ontario.ca/page/2019-novel-coronavirus
Ontario (Public Health)	"Coronavirus Disease 2019"	https://www.publichealthontario.ca/
Prince Edward Island (Public Health)	"About COVID-19"	https://www.princeedwardisland.ca/en/information/health-and-wellness/about-covid-19-coronavirus
	Various resources	https://www.princeedwardisland.ca/en/topic/covid-19
Government of Québec	Various resources (Many are available in French only.)	https://msss.gouv.qc.ca/professionnels/maladies-infectieuses/coronavirus-2019-ncov/?fbclid=IwAR0Fghrz8pu9hJN_AgvVeuhnjHN7ER3rn24Hb7kc05nMdsTI2PW7Uga0oPk#situation-au-quebec
Québec (Institut publique nationale de santé publique)	Various resources (French only)	https://www.inspq.qc.ca/covid-19
Government of Saskatchewan	Various resources	https://www.saskatchewan.ca/government/health-care-administration-and-provider-resources/treatment-procedures-and-guidelines/emerging-public-health-issues/2019-novel-coronavirus
Government of Yukon	"Information about Coronavirus Disease (COVID-19) for Yukoners"	https://yukon.ca/en/information-about-novel-coronavirus-yukoners

Information from Respiratory Therapy Regulatory Colleges and Provincial Associations		
Source	Title/Topic	Link
British Columbia Society of Respiratory Therapists	"COVID-19 Resources"	http://bcsrt.com/covid-19-resources/
College and Association of Respiratory Therapists of Alberta	"CARTA News"	https://www.carta.ca/news/news.aspx
College of Respiratory Therapists of Ontario	"2019 Novel Coronavirus (2019-nCoV)"	https://www.crto.on.ca/public/respiratory-health-information/2019-ncov/
Manitoba Association of Registered Respiratory Therapists	"Latest News"	https://www.marrrt.org/
Nova Scotia College of Respiratory Therapists	"Special Bulletin Re: 2019 Novel Coronavirus"	https://www.nscrt.com/news/111-special-bulletin-re-2019-novel-coronavirus
Respiratory Therapy Society of Ontario	"Resources"	https://www.rtso.ca/2019-ncov-novel-coronavirus/

General information on Coronaviruses		
Source	Title/Topic	Link
Government of Canada	"Coronavirus disease (COVID-19): Outbreak Update"	https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html
US Centers for Disease Control	"Coronavirus (COVID-19)"	https://www.cdc.gov/coronavirus/index.html
World Health Organization	"Coronavirus"	https://www.who.int/health-topics/coronavirus

Other Information and Resources		
Source	Title/Topic	Link
Canadian Medical Association	"CMA Update: Information for physicians and the public on the coronavirus"	https://www.cma.ca/CMA-update-physicians-public-coronavirus
World Health Organization	"Disease commodity package" (essential list of biomedical supplies required when caring for persons with COVID-19)	https://www.who.int/publications-detail/disease-commodity-package-for-novel-coronavirus
	"Coronavirus disease (COVID-19) advice for the public: Myth busters"	https://www.who.int/emergencies/diseases/novel-coronavirus-2019/advice-for-public/myth-busters

Information for Travelers		
Source	Title/Topic	Link
Government of Canada	Travel advisories relating to the current pandemic	https://travel.gc.ca/travelling/health-safety/travel-health-notice/221
Note: Many provincial or territorial departments of Public Health or Public Health and Safety also have travel information. Please refer to the table above with links to these provincial/territorial bodies.		

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Do you have resources to suggest for this repository? Please e-mail csrt@csrt.com.