

# COVID-19 Primary Healthcare Guidance

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## How do health care workers minimise their risk of acquiring infection and of spreading infection between patients while physically examining a patient with respiratory symptoms?

### Context

- Aboriginal and Torres Strait Islander people have higher prevalence of respiratory conditions, many of which share symptoms with COVID-19. Significant conditions include streptococcal throat infections, pneumonia, asthma and other chronic lung conditions, and middle ear disease (1, 2).
- Any patient with respiratory symptoms - including cough, sore throat, shortness of breath, runny nose or anosmia (loss of smell or taste) – could have SARS-CoV-2 (COVID-19) infection (3, 4).
- Physical examination is a key part (5) of
  - gathering information to support accurate diagnosis especially of high prevalence conditions and/or conditions that share symptoms with COVID-19 (differential diagnoses)
  - maintaining high-quality primary health care including prevention, diagnosis and management of respiratory conditions such as middle ear disease and hearing impairment, asthma, COPD, etc
  - building trust between the clinician and patient.
- There is minimal evidence about the sensitivity and specificity of clinical examination — specifically of ears, throat, nose and chest — in influencing diagnostic and management decisions (6-8).
- Health care workers (HCWs) examining a patient with respiratory symptoms are at risk of acquiring infection (droplet and contact transmission) (9, 10).
- HCWs examining a patient with respiratory symptoms are at risk of spreading infection between patients (contact transmission) (10).
- The highest risk of transmission is likely during throat and nose examination including when a swab is being collected, which can stimulate sneezing and gag reflex.
- The majority of transmission of SARS-CoV-2 is via respiratory droplet and contact routes from people with respiratory symptoms or who are pre-symptomatic in close and prolonged contact with others without adequate PPE. Asymptomatic transmission may occur and is the subject of ongoing research (10).
- Approaches to clinical assessment, patient flow and the need for dedicated clinical rooms, and the extent of environmental cleaning will depend on clinical assessment of the level of risk of infection taking into account patient symptoms and risk factors as well as local prevalence.
- Implementing: (i) standard infection prevention and control precautions regardless of risk assessment of infection, and (ii) droplet and contact precautions for anyone with respiratory symptoms minimises healthcare-associated infections in primary care settings (11).
- There is changing and varied risk and response between jurisdictions depending on local epidemiology, particularly whether or not there is known community transmission (unknown source) (12-15).
- Maintaining high-quality primary healthcare is critical including when services are disrupted due to physical distancing and other infection prevention and control measures.

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## Summary of recommendations

### Physical examination requirements

- Complete usual physical examination to support clinical assessment and decisions about management maintaining diligence about higher prevalence respiratory and cardiac conditions including middle ear disease in children, rheumatic heart disease, asthma and other chronic lung conditions.
- Conduct physical examination from lowest risk to higher infective risk areas.
- Collect any swabs at the time of examining the throat and/or nose, i.e. when the mask is removed, following current local testing guidelines for SARS-CoV-2.

### Infection control protocols

- Have clear protocols about infection prevention and control measures for patients with respiratory symptoms in low risk scenarios (e.g. no known community transmission) as well as in higher risk settings.
- Continuous use of surgical masks by staff in areas of known community transmission is strongly advised and is required in some jurisdictions.
- Ask the patient with respiratory symptoms to:
  - wait outside the practice/health service (e.g. in their car) until they can be seen if safe to do so
  - wear a single-use surgical mask and advise re respiratory hygiene and cough etiquette including appropriate disposal of tissues
  - complete hand hygiene using alcohol-based hand rubs >60% alcohol
  - come in through a separate entrance avoiding the waiting area if possible.
- If possible, use a dedicated room near the entrance the patient uses for consultations with patients with respiratory symptoms.
- Maintain physical distancing in the consultation room as much as possible.
- Use PPE when examining a patient with respiratory symptoms:
  - complete **hand hygiene** before and after donning **gloves** for each patient
  - wear a **surgical mask**; if surgical masks are in short supply, they can be used for periods of up to four hours during consecutive consultations in the same location
  - consider use of a **gown** based on risk assessment (splash/spray of body fluids); a gown or apron can be worn for consecutive consultations in the same location unless contaminated or high risk of contamination
  - consider **safety glasses or face shield** based on risk assessment (splash/spray of body fluids) including when collecting swabs for COVID-19; safety glasses and face shields can be worn during consecutive consultations in the same location unless contaminated or high risk of contamination.
- Stand to the side of the patient when examining the patient and/or collecting throat and naso-pharyngeal swab for [testing](#).
- When high risk of infectiousness, provide the patient with a new surgical mask following examination and/or collection of swab for testing.
- Following examination and after the patient has left the room, safely remove and dispose of PPE (always gloves, other PPE if contaminated or high risk of contamination in order as below) and contaminated waste appropriately in contamination bins, as per usual practice:

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- remove gloves; perform hand hygiene
- remove gown or apron (if worn), perform hand hygiene
- remove face shield or safety glasses without touching the front, perform hand hygiene
- remove mask, without touching the front, perform hand hygiene.
- Complete environmental [cleaning](#):
  - when high-risk, replace gloves, gown and use eye protection to complete environmental cleaning
  - clean surfaces (door handles, desktop, chairs) after each patient with >60% alcohol-based disinfectant, and daily or whenever there is visible contamination with detergent
  - clean equipment (stethoscope, oroscope) after each patient with >60% alcohol-based disinfectant
  - replace linen
  - consider using surface barriers on high touch areas.
- Check local jurisdictional directives and advice with respect to risk and public health response.

## Recommendations and rationale

### Physical examination requirements

Recommendation	Rationale
Complete usual physical examination to support clinical assessment and decisions about management maintaining diligence about higher prevalence respiratory and cardiac conditions including middle ear disease in children, rheumatic heart disease, asthma and other chronic lung conditions.	Aboriginal and Torres Strait Islander people have higher prevalence of respiratory conditions including streptococcal throat infections, pneumonia, asthma and other chronic lung conditions, and middle ear disease (1, 2). Clinical care must be continued to be provided to reduce the delay in treating these conditions.
Conduct physical examination from lowest risk to higher infective risk areas.	To lower the possibility of cross-transmission.
Collect any swabs at the time of examining the throat and/or nose ie when the mask is removed, including following current local testing guidelines for SARS-CoV-2.	When collecting respiratory specimens from patients suspected, probable or confirmed to have SARS-CoV-2, transmission-based precautions should be observed whether or not respiratory symptoms are present (16, 17).

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## Infection Control Protocols

Recommendation	Rationale
Have clear protocols about infection prevention and control protocols for patients with respiratory symptoms in low risk scenarios (e.g. no known community transmission) as well as in higher risk settings (18).	<p>Early recognition and prompt implementation of appropriate infection prevention and control precautions are critical for preventing transmission of SARS-CoV-2. Standard precautions (19) are required for all patients regardless of known SARS-CoV-2 status. Standard precautions are the primary strategy for minimising the risk of infection and must be used as part of day-to-day practice when providing care.</p> <p>Infection prevention and control protocols should be based on risk and should consider:</p> <ul style="list-style-type: none"><li>• the type of patient interaction</li><li>• the risk of transmission of the infectious agent</li><li>• the risk of contamination of the HCWs skin/mucous membranes by the patients' blood, body substances, secretions or excretions</li><li>• how long the PPE is likely to be required to be worn.</li></ul> <p>Clear protocols communicated to all staff within the practice can allow for rapid and appropriate implementation of infection control (18).</p> <p><a href="#">QLD Health link to epidemiological and clinical criteria conveying risk of potential SARS-CoV-2 infection</a></p>
Consider continuous use of surgical masks by staff in areas of known community transmission.	<p>Current evidence suggests that most transmission of SARS-CoV-2 is occurring from <b>symptomatic</b> people to others in close contact, when not wearing appropriate PPE (20).</p> <p>There are currently no studies that have evaluated the effectiveness and potential adverse effects of continuous mask use by health care workers in preventing transmission of SARS-CoV-2 (20). Despite the lack of evidence, the great majority of the WHO SARS-CoV-2 Infection Prevention and Control Guidelines Development Group (IPC GDG) members supports the practice of health workers and caregivers in clinical areas (irrespective of whether there are SARS-CoV-2 or other patients in the clinical areas) <i>in geographic settings where there is known or suspected community transmission of SARS-CoV-2</i>, to continuously wear a medical mask throughout their shift. It is recommended that HCWs change the</p>

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Recommendation	Rationale
	mask after caring for a patient requiring droplet/contact precautions for other reasons (e.g. influenza), to avoid any possibility of cross-transmission.
<p>Ask the patient with respiratory symptoms to:</p> <ul style="list-style-type: none"> <li>▪ wait outside the practice/health service (e.g. in their car) until they can be seen</li> <li>▪ wear a single-use surgical mask and advise re respiratory hygiene and cough etiquette including appropriate disposal of tissues</li> <li>▪ complete hand hygiene using alcohol-based hand rubs &gt;60% alcohol</li> </ul> <p>come in through a separate entrance avoiding the waiting area if possible (1).</p>	<p>Recent studies cited by the World Health Organization theorise that droplets from speech and cough may be aerosolised (10), thus increasing the risk of transmission of SARS-CoV-2. Surgical masks can prevent transmission of SARS-CoV-2 from those diagnosed to others (1). Indirect transmission of SARS-CoV-2 can occur by the transfer of an infectious agent through a contaminated intermediate object (equipment or environment) or person (11). Alcohol-based rapidly and effectively inactivate a wide array of potentially harmful microorganisms on hands (21).</p>
<p>If possible, use a dedicated room near the entrance for consultations with patients with respiratory symptoms.</p>	<p>A dedicated room for patients with respiratory symptoms could lower the incidence of cross-transmission, is acceptable infection control (22).</p> <p>Ideally, you should dedicate one room to consulting suspected SARS-CoV-2 patients. If not possible, proper environmental cleaning of the room after patient assessment/testing.</p>
<p>Maintain physical distancing in the consultation room as much as possible</p>	<p>Transmission of SARS-CoV-2 via droplets is likely to be limited to a distance of 1 metre (11).</p>
<p>Use PPE when examining a patient with respiratory symptoms:</p> <ul style="list-style-type: none"> <li>▪ complete <b>hand hygiene</b> before and after donning <b>gloves</b> for each patient</li> <li>▪ wear a <b>surgical mask</b>; if surgical masks are in short supply, they can be used for periods of up to four hours during consecutive consultations in the same location</li> <li>▪ consider use of a <b>gown</b> based on risk assessment (splash/spray of body fluids); a gown or apron can be worn for consecutive consultations in the same location unless contaminated or high risk of contamination</li> </ul> <p>consider <b>safety glasses or face shield</b> based on risk assessment (splash/spray of body fluids) including when collecting swabs for COVID-19; safety glasses and face shields can be worn during consecutive</p>	<p>Aprons and gowns can keep health care staffs from contact with patients or their environment directly, are not used during AGPs and not visibly contaminated</p> <ul style="list-style-type: none"> <li>▪ Aprons and gowns can be worn for a session of work in higher risk areas</li> <li>▪ Fluid resistant surgical mask and eye protection can be used for a session or extended period of work rather than a single patient contact</li> </ul> <p>Link to PPE donning and doffing for: airborne, contact and droplet precautions (23–25).</p>

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<p>consultations in the same location unless contaminated or high risk of contamination.</p>	
<p>Stand to the side of the patient when examining the patient and/or collecting throat and nasopharyngeal swab for testing</p>	<p>For most patients, collection of respiratory (nasopharyngeal) specimens is a low risk procedure but can induce cough or sneezing. Standing to the side of the patient may help avoid exposure to respiratory secretions, should the patient cough or sneeze (17, 26–28).</p>
<p>When high-risk of infectiousness, provide the patient with a new surgical mask following examination and/or collection of swabs for testing.</p>	<p>The main benefit of wearing a mask when a person is symptomatic is to protect other people. Wearing a mask will reduce the chance of passing the virus on to others (9).</p> <p>Replacement and correct disposal of the mask will reduce the risk of the patient touching a potentially contaminated item.</p>
<p>Following examination and after the patient has left the room, safely remove and dispose of PPE (always gloves, other PPE if contaminated or high risk of contamination in order as below) and contaminated waste appropriately in contamination bins, as per usual practice:</p> <ul style="list-style-type: none"> <li>▪ remove gloves; perform hand hygiene</li> <li>▪ remove gown or apron (if worn), perform hand hygiene</li> <li>▪ remove face shield or safety glasses without touching the front, perform hand hygiene</li> </ul> <p>remove mask, without touching the front, perform hand hygiene (23).</p>	<p>Fitting and removing PPE is one of the key elements in preventing the spread of communicable diseases to healthcare workers. Compliance with processes for fitting (putting on) and removing PPE is critical to staff safety (24).</p> <p>HCWs must be given sufficient time to fit and remove PPE correctly without disturbances.</p> <p>PPE, particularly masks, should not be adjusted during patient care. The removal of used PPE is a high-risk process that requires a structured and systematic procedure. PPE must be removed slowly and deliberately in the correct sequence to reduce the possibility of self-contamination or other exposure to SARS-CoV-2. Therefore, healthcare organisations must ensure that a step-by-step process for removal of PPE is developed and documented.</p> <p><a href="#">Click to access PPE training videos</a></p> <p><a href="#">Click here for single-page information to fit and remove a mask</a></p>
<p>Complete environmental cleaning:</p> <ul style="list-style-type: none"> <li>▪ when high-risk, replace gloves, gown and use eye protection to complete environmental cleaning</li> </ul>	<p><b>Contact transmission.</b> Direct physical contact with the patient, indirect contact from shared patient care equipment or from contaminated environmental surfaces (30). To reduce the risk of contamination from fomites complete regular cleaning:</p>

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<ul style="list-style-type: none"><li>▪ clean surfaces (door handles, desktop, chairs) after each patient with &gt;60% alcohol-based disinfectant.</li><li>▪ clean equipment (stethoscope (29) – with particular attention to diaphragm and bell, otoscope) with 70% ethyl alcohol or isopropyl alcohol after each patient with &gt;60% alcohol-based disinfectant</li><li>▪ replace linen</li></ul> <p>consider using surface barriers on high touch areas</p> <p>Check local jurisdictional directives and advice with respect to risk and public health response.</p>	<ul style="list-style-type: none"><li>▪ Smooth surfaces, (e.g. bench tops, couches, sinks, toilets and floors)</li><li>▪ High touch surfaces (e.g. door handles, light switches) Detergent and water, damp cloth or disposable wipes</li><li>▪ Wiping/rubbing with a damp cloth, or use disposable wipes</li></ul> <p>Dry the surface with a clean cloth.</p> <p>The Australian government reports the latest epidemiological considerations (case numbers, locations of clusters), provides current official medical advice (including current quarantine requirements) and information on treatment.</p> <p>Federal link: <a href="https://www.health.gov.au/news/health-alerts/novel-coronavirus-2019-ncov-health-alert">https://www.health.gov.au/news/health-alerts/novel-coronavirus-2019-ncov-health-alert</a></p> <p>Local jurisdiction link: <a href="https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdna-song-novel-coronavirus.htm">https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdna-song-novel-coronavirus.htm</a></p>

## Related topics and resources

Australian Government Department of Health

[PPE in non-inpatient healthcare settings](#)

NSW Clinical Excellence Commission

[PPE training videos](#)

Victoria State Government Department of Health and Human Services

[Standard precautions and transmission-based precautions](#)

Aboriginal Health and Medical Research Council of NSW

[Home-isolation for Patients Factsheet](#)

Royal Australian College of General Practitioners (RACGP)

[Consultations in the practice with patients suspected of having COVID-19](#)

[COVID-19 infection control principles \(Guide for collecting swabs\)](#)

[Infection prevention and control standards](#)

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## References

1. Australian Government. Coronavirus (COVID-19), Information on the use of surgical masks. [Accessed 14th July 2020] <https://www.health.gov.au/sites/default/files/documents/2020/03/coronavirus-covid-19-information-on-the-use-of-surgical-masks.pdf>
2. Australian Institute of Health and Welfare 2018. Aboriginal and Torres Strait Islander Health Performance Framework (HPF) report 2017. Cat. no. IHW 194. Canberra: AIHW. [Accessed 15th August 2020] <https://www.aihw.gov.au/reports/indigenous-australians/health-performance-framework>
3. Centre for Disease Control and Prevention. Interim Clinical Guidance for Management of Patients with Confirmed Coronavirus Disease (COVID-19). Update June 30, 2020. [Accessed 15th August 2020] <https://www.cdc.gov/coronavirus/2019-ncov/hcp/clinical-guidance-management-patients.html>
4. Australian Government Department of Health. Coronavirus Disease 2019: CDNA National Guidelines for Public Health Units. Update 13th August 2020. [Accessed 15th August 2020] <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdna-song-novel-coronavirus.htm>
5. Talley NJ & O'Connor S. Clinical examination. A systematic guide to physical diagnosis 8th ed. 2018. Elsevier: Chatswood, NSW, Australia.
6. Peyrony O, Marbeuf-Gueye C, Truong V, Giroud M, Riviere C, Khenissi K, et al. Accuracy of Emergency Department Clinical Findings for Diagnosis of Coronavirus Disease 2019. *Ann Emerg Med*. 2020. doi: [10.1016/j.annemergmed.2020.05.022](https://doi.org/10.1016/j.annemergmed.2020.05.022)
7. Arts L, Lim EHT, van de Ven PM, Heunks L, Tuinman PR. The diagnostic accuracy of lung auscultation in adult patients with acute pulmonary pathologies: a meta-analysis. *Sci Rep*. 2020;10(1):7347.
8. Wipf JE, Lipsky BA, Hirschmann JV, Boyko EJ, Takasugi J, Peugeot RL, et al. Diagnosing pneumonia by physical examination: relevant or relic? *Arch Intern Med*. 1999;159(10):1082-7.
9. Ng K, Poon BH, Puar THK, Li J, Quah S, Loh WJ, et al. COVID-19 and the Risk to Health Care Workers: A Case Report. *Annals of Internal Medicine*. 2020;172(11):766-7.
10. World Health Organisation. Transmission of SARS-CoV-2: implications for infection prevention precautions. *Scientific Brief*, 9th July 2020. [Accessed 14th July 2020] <https://www.who.int/publications/i/item/modes-of-transmission-of-virus-causing-covid-19-implications-for-ipc-precaution-recommendations>
11. NSW Government. Infection Prevention and Control Management of COVID-19 in Healthcare Settings Version 3.2 [Accessed 15 August 2020] [http://www.cec.health.nsw.gov.au/\\_data/assets/pdf\\_file/0019/582112/Management-of-COVID\\_19-in-Healthcare-Settings.pdf](http://www.cec.health.nsw.gov.au/_data/assets/pdf_file/0019/582112/Management-of-COVID_19-in-Healthcare-Settings.pdf)
12. NSW Government Health. COVID-19: Updated advice for health professionals as of 16 July 2020. [Accessed 15th August 2020] <https://www.health.nsw.gov.au/Infectious/covid-19/Pages/advice-for-professionals.aspx>
13. Western Australia Department of Health. Clinician alert #30 – all clinicians. [Accessed 15th August 2020] <https://ww2.health.wa.gov.au/-/media/Corp/Documents/Health-for/Infectious-disease/COVID19/COVID19-Clinician-Alert-WA-30-30-July.pdf>
14. Queensland Health. COVID-19 Public Health Alert No. 15 / 24 July 2020. [Accessed on 15 August 2020] [https://www.health.qld.gov.au/\\_data/assets/pdf\\_file/0036/994950/covid-19-health-alert-15.pdf](https://www.health.qld.gov.au/_data/assets/pdf_file/0036/994950/covid-19-health-alert-15.pdf)

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15. Queensland Health. COVID-19 information for Queensland clinicians. [Accessed on 15 August 2020] <https://www.health.qld.gov.au/clinical-practice/guidelines-procedures/novel-coronavirus-qld-clinicians>
16. Australia Commonwealth Department of Health. Coronavirus Disease 2019: CDNA National Guidelines for Public Health Units. Update 13th August 2020. [Accessed 15th August 2020] <https://www1.health.gov.au/internet/main/publishing.nsf/Content/cdna-song-novel-coronavirus.htm>
17. Royal Australian College of General Practice. Consultations in the practice with patients suspected of having COVID-19. [Accessed 15th August 2020] <https://www.racgp.org.au/FSDEDEV/media/documents/Clinical%20Resources/Guidelines/Consultations-in-the-practice-with-patients-suspected-of-having-COVID-19.pdf>
18. Queensland Health. Interim infection prevention and control guidelines for the management of COVID-19 in healthcare settings Version 1.13. [Accessed 15th August] [https://www.health.qld.gov.au/data/assets/pdf\\_file/0038/939656/qh-covid-19-Infection-control-guidelines.pdf](https://www.health.qld.gov.au/data/assets/pdf_file/0038/939656/qh-covid-19-Infection-control-guidelines.pdf)
19. National Health and Medical research Council. Australian Guidelines for the Prevention and Control of Infection in Healthcare. [Accessed 15th August 2020] <https://www.nhmrc.gov.au/about-us/publications/australian-guidelines-prevention-and-control-infection-healthcare-2019>
20. World Health Organisation. Advice on the use of masks in the context of COVID-19. [Accessed 15th August 2020] [https://www.who.int/publications/i/item/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/i/item/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)
21. World Health Organisation. Guidelines on Hand Hygiene in Health Care: First Global Patient Safety Challenge Clean Care Is Safer Care. [Accessed 15th August 2020] <https://www.ncbi.nlm.nih.gov/books/NBK144054/>
22. The Royal Australian College of General Practitioners. COVID-19 infection-control principles. [Accessed 15th August 2020] <https://www.racgp.org.au/getmedia/3619dbeb-0ad0-4766-9925-369bddb9d04e/RACGP-COVID-19-infection-control-principles.pdf.aspx>
23. NSW Health. My health learning videos. Airborne precautions – Donning and Fit Checking of Respirator. [Accessed 15th August 2020] <http://www.cec.health.nsw.gov.au/keep-patients-safe/COVID-19/personal-protective-equipment/ppe-training-videos>
24. Australian Government Department of Health. Coronavirus (COVID-19) guidance on use of personal protective equipment (PPE) in non-inpatient health care settings, during the COVID-19 outbreak. [Accessed on 15th August 2020] <https://www.health.gov.au/resources/publications/coronavirus-covid-19-guidance-on-use-of-personal-protective-equipment-ppe-in-non-inpatient-health-care-settings-during-the-covid-19-outbreak>
25. The Royal Australian College of General Practitioners. Guiding principles for the establishment and ongoing management of GP-led COVID-19 respiratory clinics. [Accessed 15 August 2020] <https://www.racgp.org.au/FSDEDEV/media/documents/RACGP/Coronavirus/Guiding-principles-COVID-respiratory-clinics.pdf>
26. National COVID19 Clinical Evidence Taskforce. Assessment for suspected COVID-19. [Accessed 15th August 2020] [https://covid19evidence.net.au/wp-content/uploads/COVID-19-FLOW-CHART-3-ASSESSMENT-FOR-SUSPECTED\\_V2.0.pdf](https://covid19evidence.net.au/wp-content/uploads/COVID-19-FLOW-CHART-3-ASSESSMENT-FOR-SUSPECTED_V2.0.pdf)
27. World Health Organisation. Clinical management of severe acute respiratory infection (SARI) when COVID-19 disease is suspected. [Accessed 15th August 2020] <https://bit.ly/3eKZQs3>
28. National COVID19 Clinical Evidence Taskforce. Caring for people with COVID-19. [Accessed 15th August 2020] <https://covid19evidence.net.au/>

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29. Bansal A, R SS, Bhan BD, Gupta K, Purwar S. To assess the stethoscope cleaning practices, microbial load and efficacy of cleaning stethoscopes with alcohol-based disinfectant in a tertiary care hospital. J Infect Prev. 2019;20(1):46–50.
30. NSW Government. Management of COVID-19 in Healthcare settings (V 3.2). [Accessed 15th August 2020] [http://www.cec.health.nsw.gov.au/\\_data/assets/pdf\\_file/0019/582112/Management-of-COVID\\_19-in-Healthcare-Settings.pdf](http://www.cec.health.nsw.gov.au/_data/assets/pdf_file/0019/582112/Management-of-COVID_19-in-Healthcare-Settings.pdf)

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