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| ASHRAE Technical FAQ |
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| ID  | 100 |
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| Question  | Does ASHRAE publish guidance related to the role of HVAC systems in the transmission of airborne infectious diseases?  |
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| Answer  | ASHRAE discusses airborne infectious disease transmission in various publications (listed below) related to health care facilities as well as various high occupancy density applications. The ASHRAE Position Document – [Airborne Infectious Diseases](https://www.ashrae.org/about/position-documents) summarizes ASHRAE’s official position on the subject. ASHRAE’s Epidemic Task Force (ETF) has developed and published resources related to the COVID-19 at [www.ashrae.org/technical-resources/resources](https://www.ashrae.org/technical-resources/resources). Relevant articles can be located through a literature search online using Scopus, Pubmed, or Google Scholar using keywords such as “airflow”, “infectious disease”, “HVAC”, and “airborne”.This subject is one of the main themes of [ASHRAE’s IAQ 2010 Conference](http://www.techstreet.com/ashrae/products/1776706) which took place in November 10-12, 2010 in Kuala Lumpur, Malaysia. More technical papers are available in the ASHRAE bookstore ([www.ashrae.org/bookstore](http://www.ashrae.org/bookstore)). An initiative in the [2019-2025 ASHRAE Research Strategic Plan](https://www.ashrae.org/technical-resources/research/research-strategic-plan) is “IEQ – Environmental Quality in Occupied Spaces and Impacts on Work and Learning, Health and Well Being, and Transmission of Airborne Infectious Viruses”. Research on the protection against the transmission of infectious diseases and future pandemic outbreaks is listed in the plan. ASHRAE aims to encourage research proposals that address contribute to this initiative.  |
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| ASHRAE Pubs  | ASHRAE Position Document – [Airborne Infectious Diseases](https://www.ashrae.org/about/position-documents)[2023 ASHRAE Handbook - HVAC Applications](https://www.techstreet.com/ashrae/standards/2023-ashrae-handbook-hvac-applications-i-p?product_id=2225673), Chapter [A09](https://www.techstreet.com/ashrae/standards/a09-health-care-facilities-i-p?product_id=2573470)[HVAC Design Manual for Hospitals and Clinics](http://www.techstreet.com/ashrae/products/1852624), 2nd edition, 2013[ASHRAE Standard 170-2021](https://www.techstreet.com/ashrae/standards/ashrae-170-2021?product_id=2212971), plus [ASHRAE BOD approved addenda](http://www.ashrae.org/standards-research--technology/standards-addenda)[ASHRAE Standard 161-2018](https://www.techstreet.com/ashrae/standards/ashrae-161-2018?product_id=2001169), plus [ASHRAE BOD approved addenda](http://www.ashrae.org/standards-research--technology/standards-addenda)EHC Emerging Issue – [Biological agents and airborne transmission](https://www.ashrae.org/communities/committees/standing-committees/environmental-health-committee-ehc) |
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| Topic References  | airborne infectious disease, SARS, infection control, hospitals, healthcare facilities, high occupancy density |
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|  | Cognizant ASHRAE Committees | Refer to Organization |
| 1 | [TC 9.6](http://tc0906.ashraetcs.org/) | [WHO](http://www.who.org) |
| 2 | [TC 9.3](http://tc0903.ashraetcs.org/)  | [AIA](http://www.aia.org) |
| 3 | [EHC](https://www.ashrae.org/communities/committees/standing-committees/environmental-health-committee-ehc) | [ASHE](http://www.ashe.org) |
| 4 | SSPC 170 |  |
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