

**INTERPRETATION IC 62.1-2019-1 OF
ANSI/ASHRAE STANDARD 62.1-2019
VENTILATION FOR ACCEPTABLE INDOOR AIR QUALITY**

Approved: November 19, 2020

Request from: Lital Shaked, The Standards Institution of Israel, 42 Chaim Levanon St., Tel Aviv, Israel 6997701.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE Standard 62.1-2019, Sections 3 and 6 and Table 6-1, regarding BSL 2-4 agents and the viruses, bacteria, and other infectious contagions.

Background: The expert committee would like to verify if note b under the bottom of Table 6-1: Minimum Ventilations Rates in Breathing Zone is relevant only for Outpatient Health Care Facilities or for all the other categories?

We are asking this question in the context of the changes in the definition of hazardous materials. In the "Definitions Section", it is written that it includes the biological agents, pathogenic, allergenic or toxigenic microorganism that include BSL 2-4 agents. These changes have substantial influence on the planning and the system requirements for keeping the minimum requirements of IAQ.

Is there any reference in the text to biological agents (microorganisms including viruses and bacteria) given in the context of indoor air pollution? If Yes, what are the recommendations concerning these microorganisms and acceptable indoor air quality? Do these microorganisms include SARS-CoV-2? In addition, is there any reference in the text to airborne transmission of microorganisms (including SARS-CoV-2) in indoor settings and recommendations concerning these microorganisms and acceptable indoor air quality?

The expert committee understand that microorganisms including viruses and including SARS-CoV-2 are included under Standard 62.1-2019 and should be taken as an extra consideration in planning the ventilation systems in order to fulfill the requirements in all the categories (listed in Table 6-1) except the Outpatient Health Care Facilities category.

Is there any reference in the text to biological agents (microorganisms including viruses and bacteria) given in the context of indoor air pollution? If Yes, what are the recommendations concerning these microorganisms and acceptable indoor air quality? Do these microorganisms include SARS-CoV-2? In addition, is there any reference in the text to airborne transmission of microorganisms (including SARS-CoV-2) in indoor settings and recommendations concerning these microorganisms and acceptable indoor air quality?

Interpretation: Note b of Table 6-1: Minimum Ventilations Rates in Breathing Zone is relevant only for Outpatient Health Care Facilities and does not apply to all the other categories.

Question: Is this interpretation correct?

Answer: Yes

Comments: Note b of Table 6-1 specifically applies to the category of Outpatient Health Care Facilities. Refer to Informative Appendix I for typical contaminants in all spaces covered by the standard.