

A CALL FOR HELP: COVID-19

ADDITIONAL INFORMATION

TWO CATEGORIES

1. Buildings
2. Hospital surge/temporary facilities

BUILDINGS

Be aware of "Sick Building" concerns, air circulation and air exchange in buildings.

a. Common areas and air supply is a concern for the spreading of COVID-19. Guidance for building facilitators, developers, and building management companies on how to limit the spread of the virus is needed.

b. Compound effects. Selecting certain building types such as schools or dormitories as temporary surge spaces has a compound effect creating a potential stress for displaced students over a long period of time. With hotels, the age and systems need consideration as described below.

c. Building air systems and adequate air filtration for the virus.

Larger discussion needed on strategies with the AEC.

- Adding filtration may not be adequate given HEPA filters to 0.3 microns and the COVID-19 is 0.1 in size.

- Looking at alternate solutions with AEC advisors may assist in this area.

d. Age of building, size of building and its systems play into the spread of virus risks. Evaluation of buildings in these categories can identify quickly the high risk and appropriate action.

e. Engaging the AIA and broader AEC in creating advisement in these areas covering buildings.

Both organizations have expressed a desire to assist.

HOSPITAL SURGE/TEMPORARY FACILITIES

a. Expressed concern over types and use groups of buildings identified as potential temporary use for COVID-19. Existing systems and retrofit of buildings to meet the need have complexities.

b. Advisement through ASPR TRACIE (Technical Resources, Assistance Center, and Information Exchange) work <https://asprtracie.s3.amazonaws.com/documents/aspr-tracie-considerations-for-the-use-of-temporary-care-locations-for-managing-seasonal-patient-surge.pdf>

c. Article on surge <https://onlinelibrary.wiley.com/doi/epdf/10.1197/j.aem.2006.06.04>