



## High level Agenda – Designing the Skilled Nursing/PAC site of the Future

### 1. **Safer and Improved air handling systems are crucial because:**

According to the CDC and WHO, the spread of respiratory viruses (such as influenza, coronavirus, adeno, and rhinoviruses) is still under investigation. Numerous studies have confirmed the primary method of transmission is through the air.<sup>1</sup>

Prevention by washing and cleaning is essential, but science points to the much greater value of cleaning the air we breathe. Unfortunately, HVAC systems are much more complex to assess, design, improve, maintain, and monitor than bleaching and washing. But they are also far more effective and critical to managing this pandemic and preparing for the next.

Between pandemics, improving indoor air quality (IAQ) and air handling systems will reduce patient, visitor, and staff illness from common respiratory infections and enhance employee performance and productivity.

2. **Education:** KFI Engineers and LifeWings combine aerosol studies, ventilation, engineering, human factors, virology, and medical management to offer HVAC strategies for preventing and controlling COVID-19 in our communities.
3. **Science, Engineering, and Medical Management** principles for “SNF/LTC/AL site of the Future” and Improved IAQ
4. **Checklist:** The Absolutes of Building and Occupant Protection\*
5. **Key Design Considerations** for SNF/LTC/AL site of the Future

<sup>1</sup> Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2) <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7805396/>

\*International Facility Management Assn. Presentation – Fall 2020 meeting