

# Engineering healthier care environments

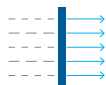
Air movement in and around care facilities can have a big impact on workplace comfort, safety, and building efficiency. Wind engineering informs the design and can lead to an increase in the performance and value of healthcare projects.

## CPP's expertise and insight adds value by:

- Creating better occupant health, comfort, and productivity
- Ensuring a high level of resilience
- Reducing risk and liability

## PREVENTING UNHEALTHY RECIRCULATION

Understanding exterior airflows prevents exhaust re-entry and dispersion to air intakes, operable windows, pedestrian areas, and other sensitive areas.



## MAKING BEST USE OF MATERIALS

Cladding and structural engineers can benefit from wind loading studies to use materials more efficiently and effectively, helping reduce costs and increase reliability.



## BALANCING OUTDOOR NEEDS

CPP's wind engineers can make the best hospitals feel more hospitable, with amenity/healing areas and safe and comfortable entryways and walkways.



## UNDERSTANDING AIR FLOW INSIDE

Wind engineering informs the design of workspaces, patient care and recovery areas, and laboratory facilities to ensure safety and comfort.

### CPP can also address:

- Door operability
- Parking structure airflow
- Helipad placement
- Paver uplift

**Contact CPP to avoid wind-related concerns early in the design phase.**



Project-specific simulation



OSU Wexner Medical Center.  
Rendering courtesy of HDR © 2022



Wind tunnel testing OSU Wexner  
Medical Center Inpatient Hospital.

## CPP COMBINES EXPERTISE WITH ADVANCED FACILITIES

CPP is a leading global wind engineering consultancy. We offer our knowledge and experience with pragmatic advice to help you interpret building codes and balance public safety, aesthetics, cost, and risk tolerance. We also provide unique wind tunnel testing facilities to prove design ideas, giving you more confidence in construction.