

### Why use different metrics?

- The data provided by the Centers for Disease Control and Prevention (CDC) can be interpreted as more specific to Hamilton County than the data that the state gathers for our region as it is analyzed differently, using a moving average.
  - A moving average
    - has been interpreted as a more accurate representation of the true incidence in our community and has thus been used to inform safe school reopening.
    - is helpful with messier data because it smooths out short term fluctuations (such as when there is a delay in reporting and so there is an abnormal spike in the numbers that is not actually reflective of where the positivity truly is) and highlights longer term trends.
- This guidance is issued by reputable national/international sources as well as more local sources:
  - Centers for Disease Control and Prevention (CDC); American Academy of Pediatrics (AAP); Brown University-Harvard University Safra Center, Pandemics Explained; and the World Health Organization (WHO)
  - Hamilton County Public Health, The City of Cincinnati Health Department, Cincinnati Children's, The Health Collaborative

### Where to find these metrics:

- The CDC offers a convenient data tracker that is updated weekly  
<https://covid.cdc.gov/covid-data-tracker/#county-view>
- Updated every week on <https://www.hamiltoncountyhealth.org/covid19/>
  - Under Covid-19 Resources
    - Under "school planning"
    - Click on "Covid Measures to Inform School Planning"