

Surveillance questions we can answer using ELR data

(during a time when disease reporting is greatly delayed due to Omicron volume)

Context: Discussion about how we can answer questions about the status of the outbreak while disease reporting catches up. I think we have a lot of this info but do not tabulate in a way that is easy to quickly use

Data sources:

- Use ELR data on 144? Vanadata also has much of this and could be grabbed daily and put into slides/messaging
- COPHS for any hospital inquiries
- Death data from vital stats will not change; will NOT be matched to CEDRS cases however, so will need to rely on the CDC provisional death numbers

Questions

- Do we want to look at PCRs primarily or antigen testing too? Probable cases are a smallish part of overall volume and are a mix of antigen, outbreak, and death cases.
- COPHS question: are the curves we create now based on COPHS data that are matched to CEDRS, or standalone COPHS data?

Epi questions:

ELR viz: (PCR only to start) – Eduardo's team to spearhead this

Number of new positives overall by date - epi curve in Tableau

Number of new positives by county - filter in Tableau by county for county and for region

- County- or region-specific epi curves based on positive tests by date {similar to the red/blue curves we use now?}

% positive by state, region, county

- Table with county- or region-specific % positivity for past 7 days; or an epi curve with 7 day moving averages
- By age group too
- By sex

The three points above are summarised on 144 in [covid19.tests.covid19_positivity_trends \(state\)](#) and [covid19.tests.covid19_positivity_trends_by_county](#)

COPHS (Rachel S and Mayra to look at these)

Case/hosp ratio - state level

Adults vs kids {have similar slides from before}

Hosp/ICU ratio - COPHS

Update weekly for % of hospitalized cases admitted to ICU; consider by region if requested

Examples are here:

https://docs.google.com/document/d/12wYDFEqBTx5VURZW_F9t7S-RNZtfaYhUUyyZ4hK7vJQ/edit

Case hospitalization rate and pediatric case hospitalization rate slides – Might be useful to run weekly, even if IDRP is behind with reporting.

Priority address identification of cases (Eduardo/Breanna looking at ways to obtain and match this data)

Is there a way to use ELR data to highlight priority addresses? (such as institutions/ homeless shelters, etc?)

- Could we use address matching against a list of known places? who/how can we do this?
- Analyze to look for clusters at the same address in a certain time period and exclude if it seems like a household residence (same last name)?
- Priority settings
 - People experiencing homelessness
 - People in long term care facilities
 - People in school settings (pre-K through 12, and ECE)
 - People who are incarcerated or detained
 - People who live in high density worker housing (migrant housing, etc)
 - Community Corrections
- Product? Daily excel list of potential priority cases with name, address, type of address