PLACE MATTERS: INFORMING LOCAL RESPONSES TO THE COVID-19 EPIDEMIC

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COVID-LAB: MAPPING COVID-19 IN YOUR COMMUNITY

Projected Cases for 4 Weeks

Projected Cases with Roll-back Scenarios

Social Distancing Over Time

Map of Current Cases

A Map of Current Cases per 100K People for a Select Number of Counties

Available Counties
- Baldwin, AL
- Butler, AL
- Calhoun, AL
- DeKalb, AL
- Elmore, AL
- Etowah, AL
- Franklin, AL
- Houston, AL
- Jefferson, AL
- Lee, AL
- Madison, AL
- Marshall, AL
- Mobile, AL
- Montgomery, AL
- Monroe, AL

Confirmed Cases

3,210
Baldwin County, AL

Confirmed Cases per 100K People by County
- Not in study
- Less than 10
- 10 to 50
- 50 to 1,000
- 1,001 to 1,500
- More than 1,500

Children's Hospital of Philadelphia
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The instantaneous reproduction number (R) is estimated using the daily incidence of new cases, while including effects of social distancing, population density, testing capacity, and combined temperature and humidity lagged over the prior 14 days. Each county’s effects are standardized by population demographics. In prediction models, the future R is estimated from an autoregressive linear mixed effects model that includes county-level population density, 3-day average of social distancing, and lagged non-linear averaged historical temperatures effects over the prior 14 days. Future cases are estimated from predicted values of R.

We measure social distancing as the percentage change in travel to non-essential businesses, as compared to normal activity before the pandemic. We calculate travel to non-essential businesses using cellphone GPS data from Unacast.

These projections were updated on July 29.
QUESTIONS AND COMMENTS?

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