



COVID-19 Economic Impacts on Agriculture & Rural Areas

CSG East Zoom Presentation

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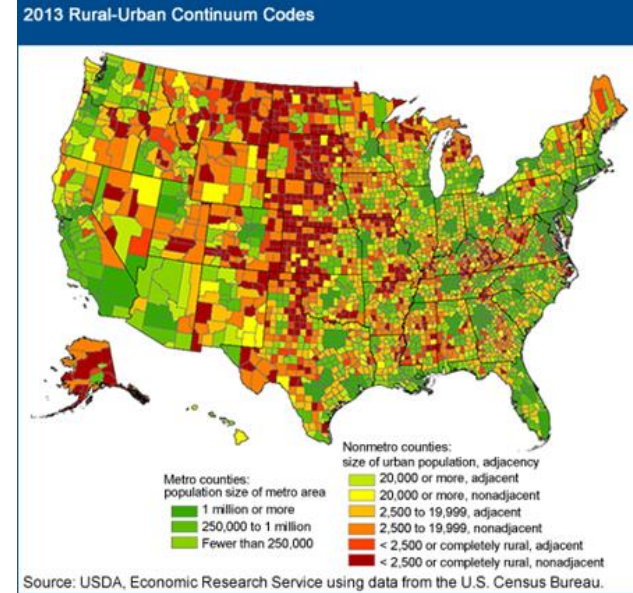
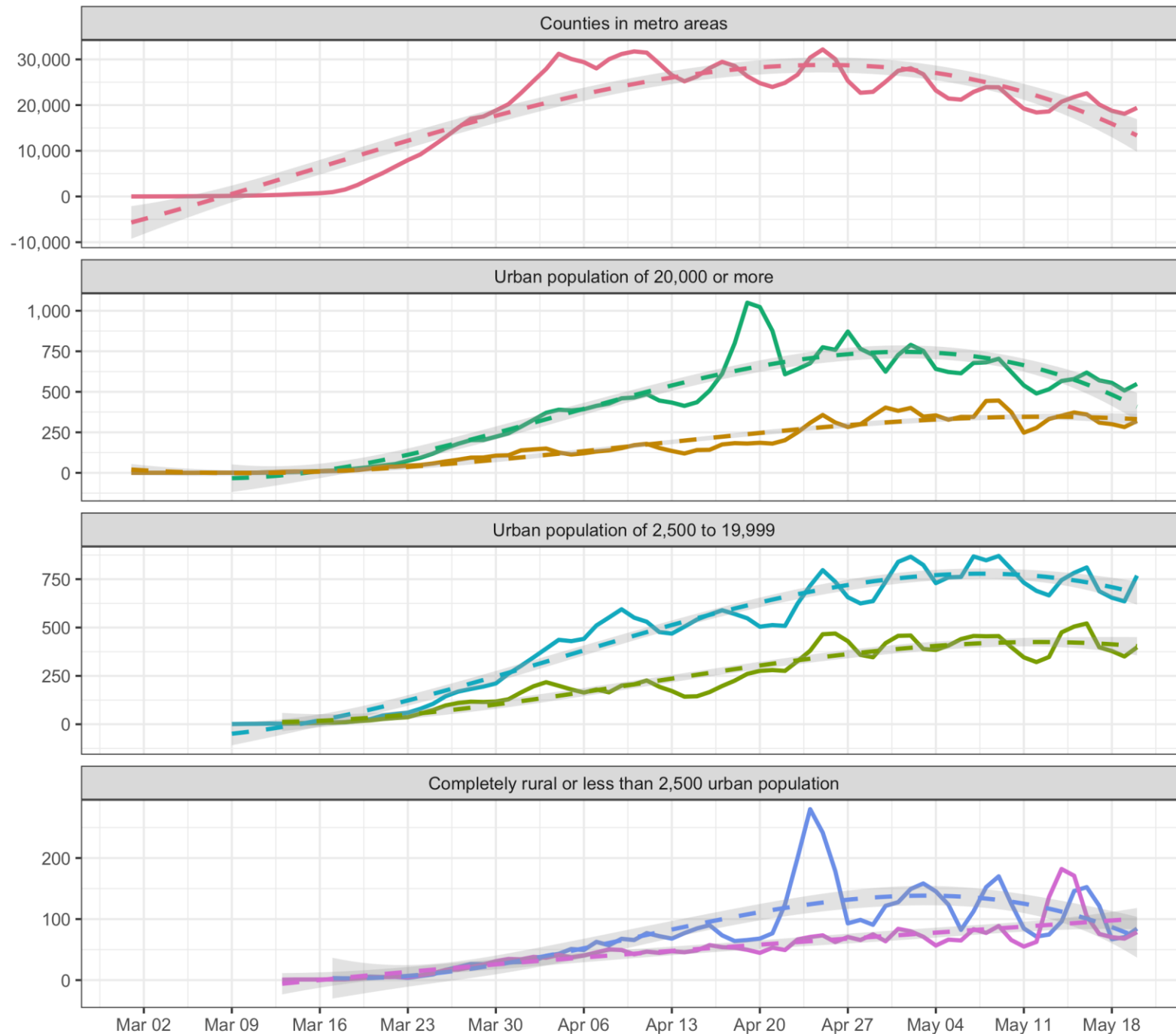
Contact: sgoetz@psu.edu

May 22, 2020

Outline

- Trends in cases and fatalities by rural/urban status
- Short term economic fallout
- Agriculture and food processing
- NERCRD and RRDC Resources

Daily new confirmed cases with the 3-day moving-average and cubic-spline smoothing

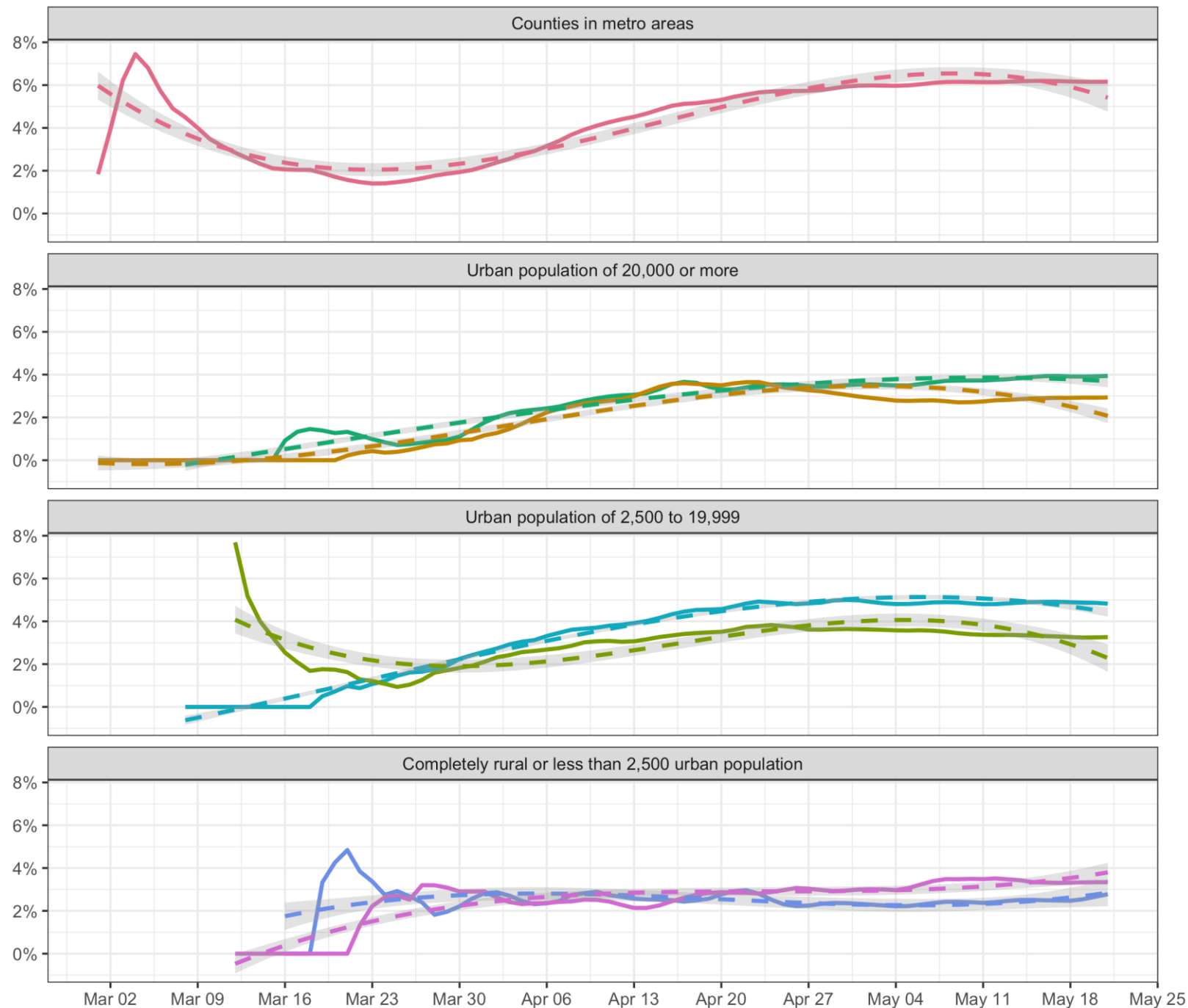


County types

- Metro (RUCC 1-3)
- Nonmetro (RUCC 4) adjacent
- Nonmetro (RUCC 5)
- Nonmetro (RUCC 6) adjacent
- Nonmetro (RUCC 7)
- Nonmetro (RUCC 8) adjacent
- Nonmetro (RUCC 9)

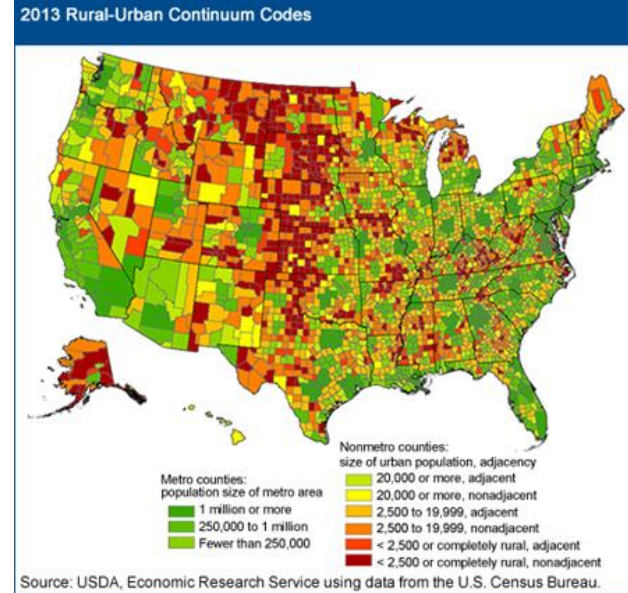
<https://aese.psu.edu/nercrd/publications/covid-19-issues-briefs>

Case-fatality rate of COVID-19 (computed with 3-day moving average of confirmed and death cases)



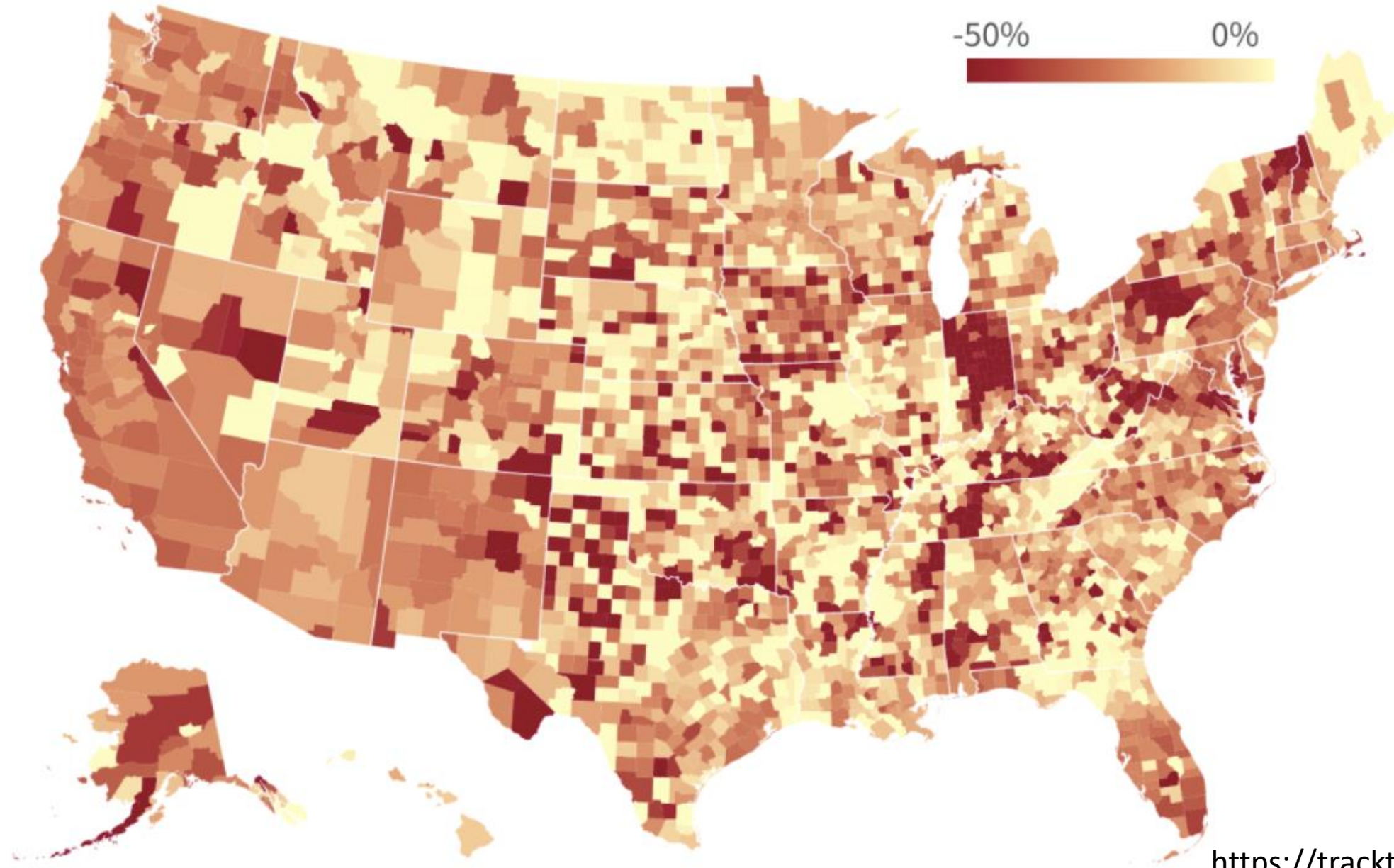
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<https://aese.psu.edu/nercrd/publications/covid-19-issues-briefs>

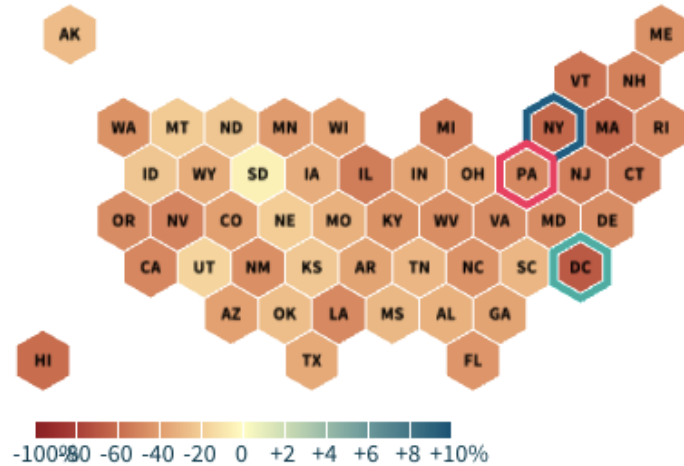
Initial change in consumer spending, COVID-19 pandemic



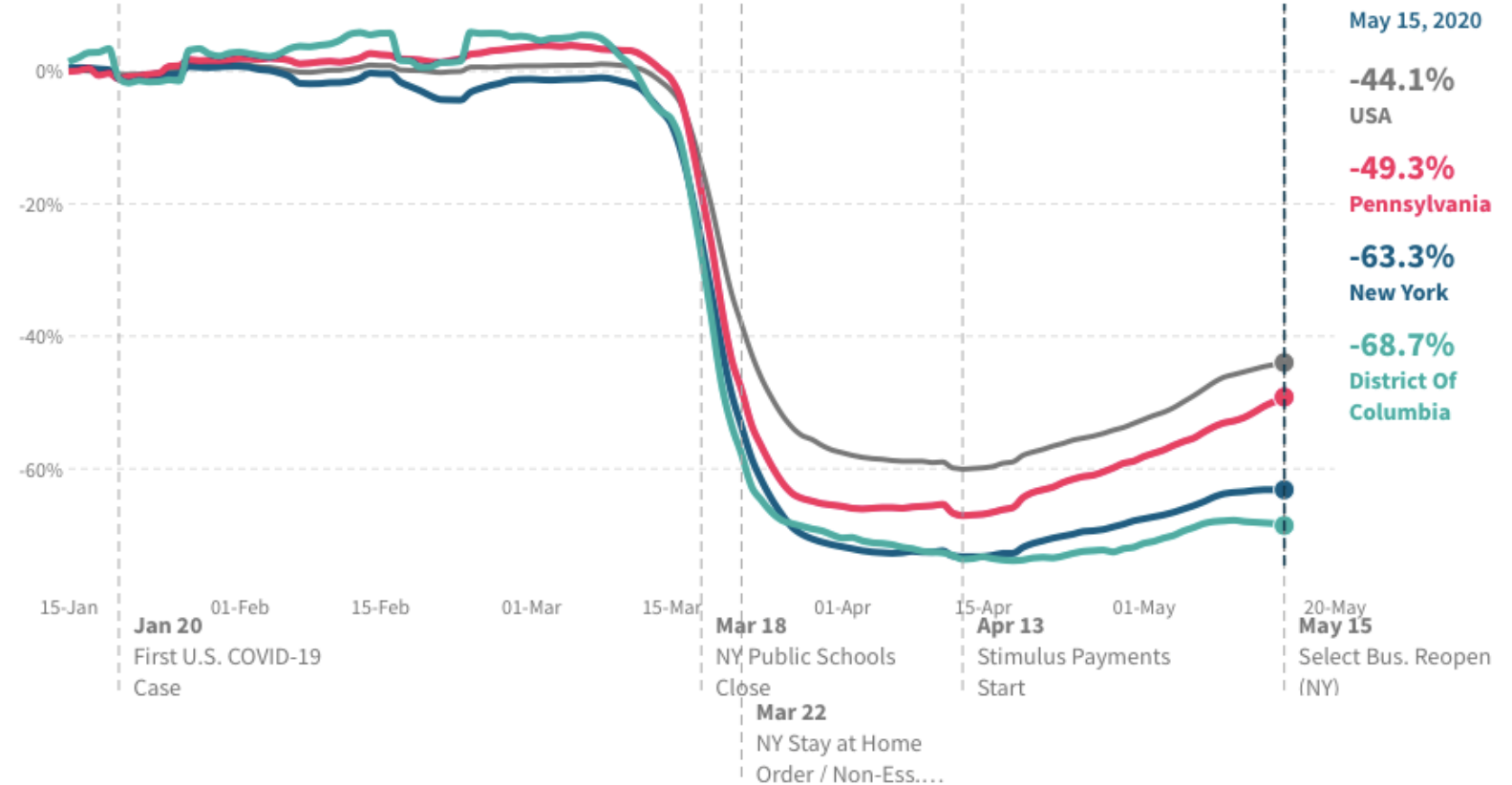
view: [National](#) [States](#) [Counties](#) [Metros](#)

☐ show all states ☒ show key dates

Percent Change in Hourly Employees in Small Businesses ⓘ



In **New York**, as of May 15 2020, the number of hourly employees in small businesses decreased by **63.3%** compared to early January 2020.

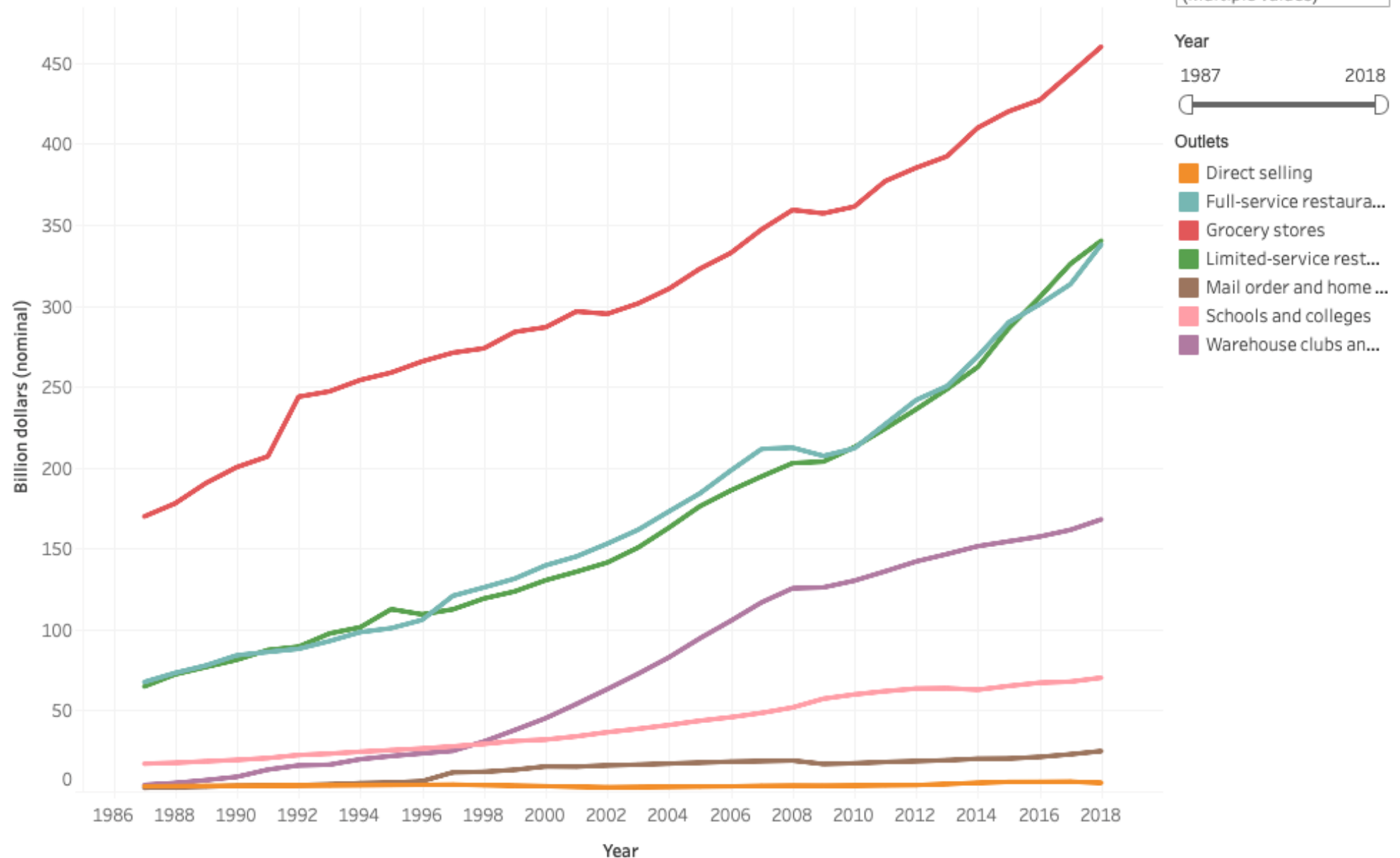




Why the devastating Impacts on farming...

NERCRD COVID-19
Issues Brief No. 2020-9,
May 1, 2020
S.J. Goetz, C. Schmidt,
L. Chase and J.
Kolodinsky

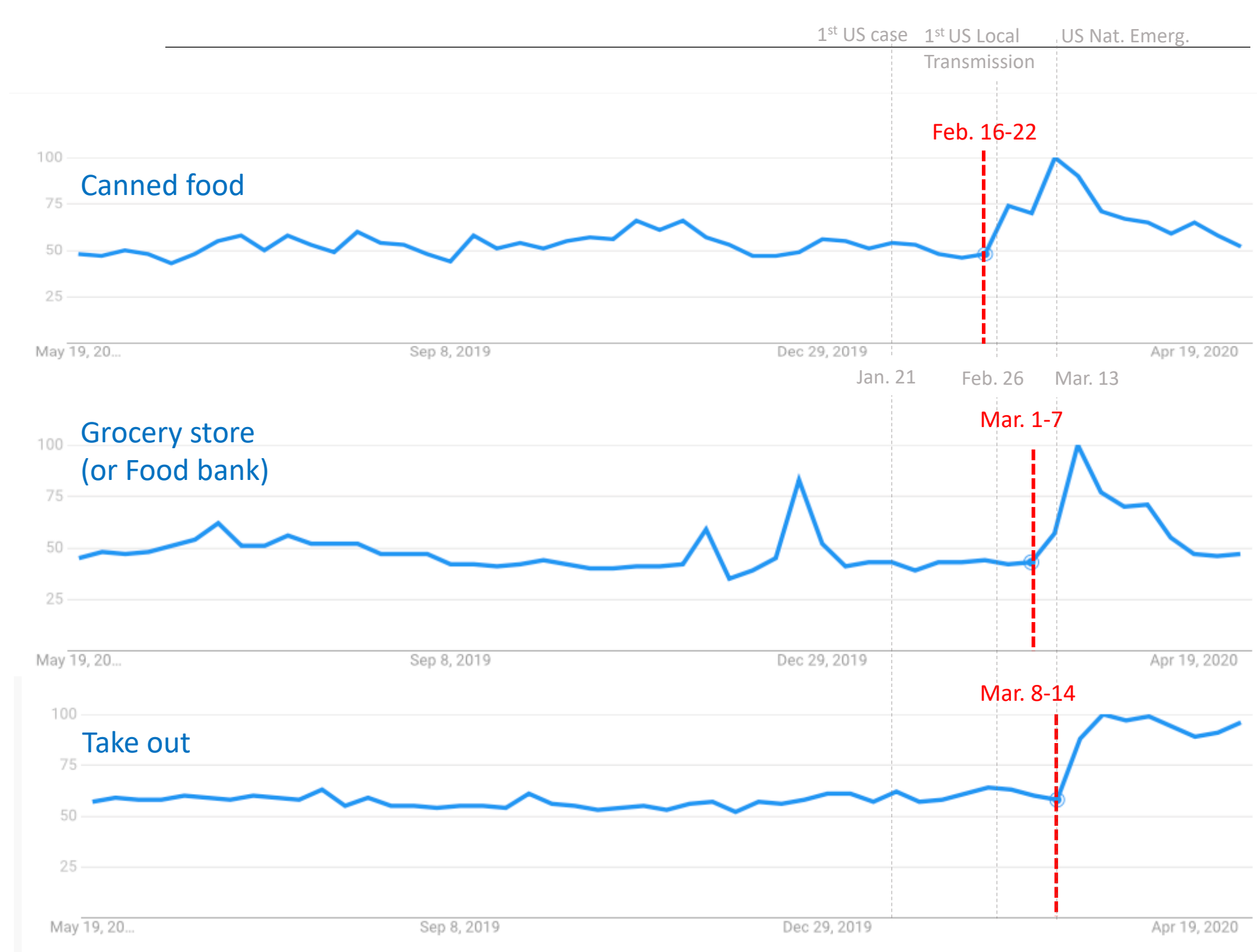
Food expenditures by outlet



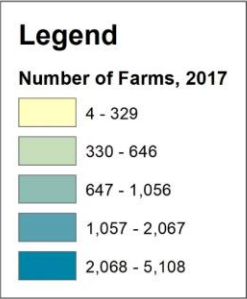
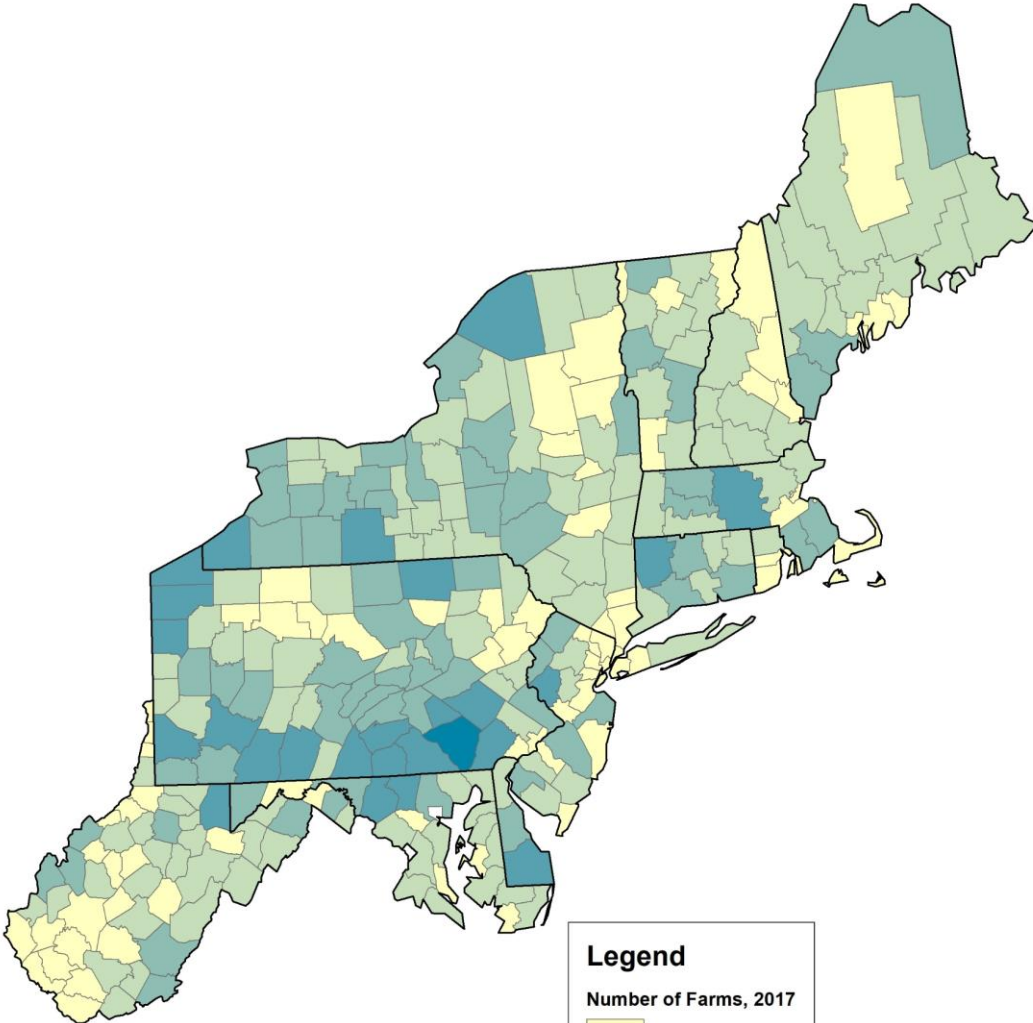
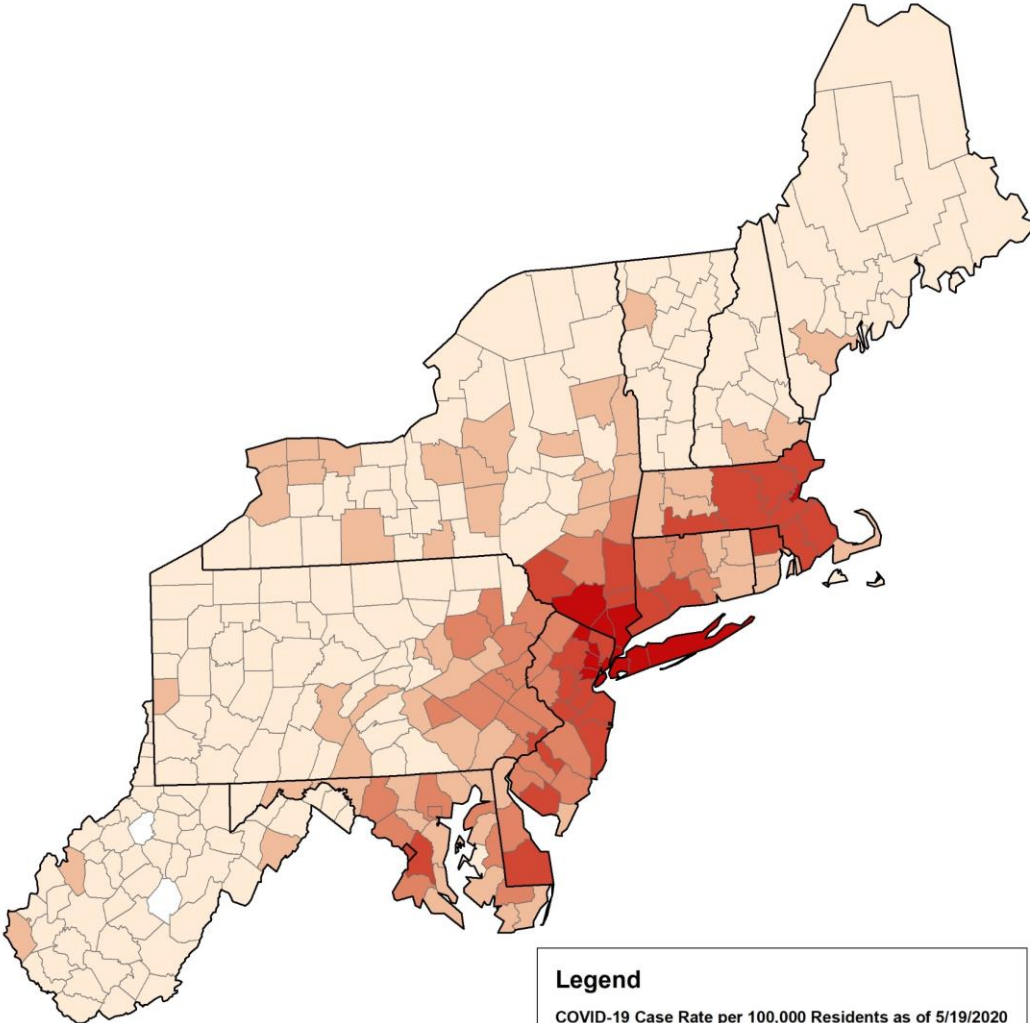


Pandemic-related changing consumer search terms: food

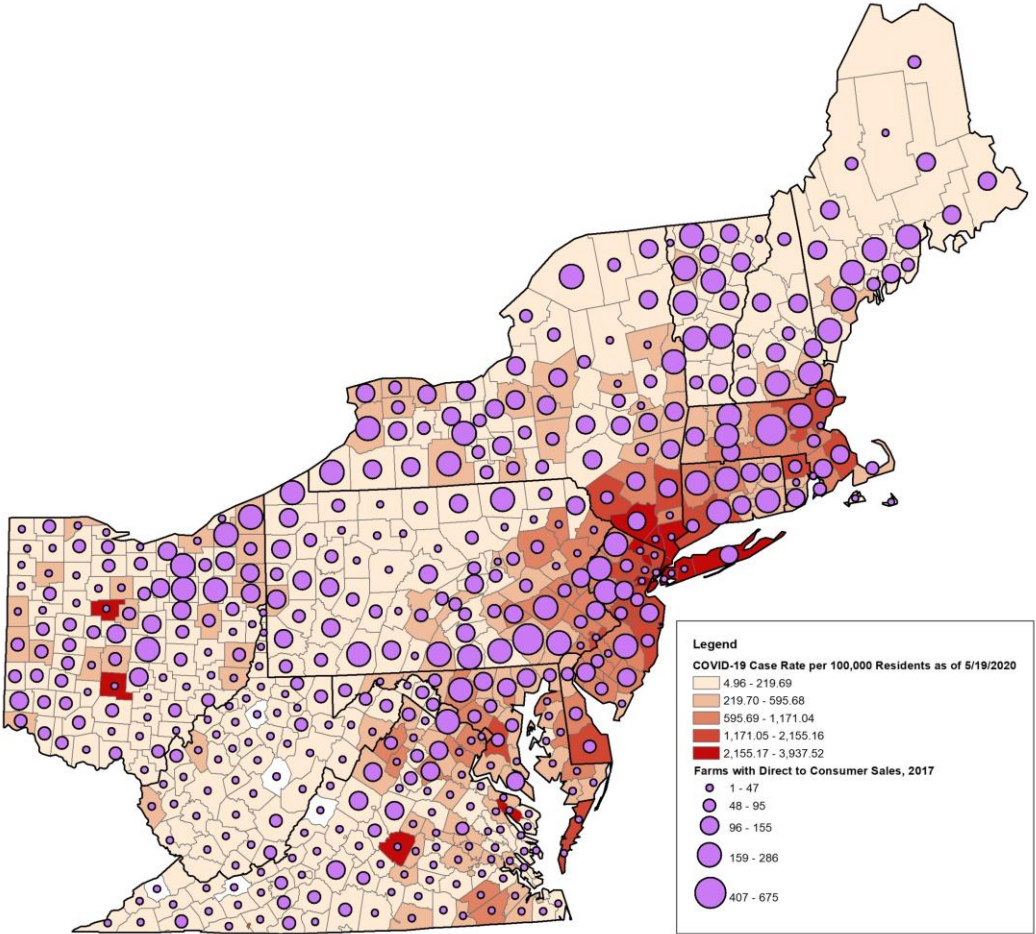
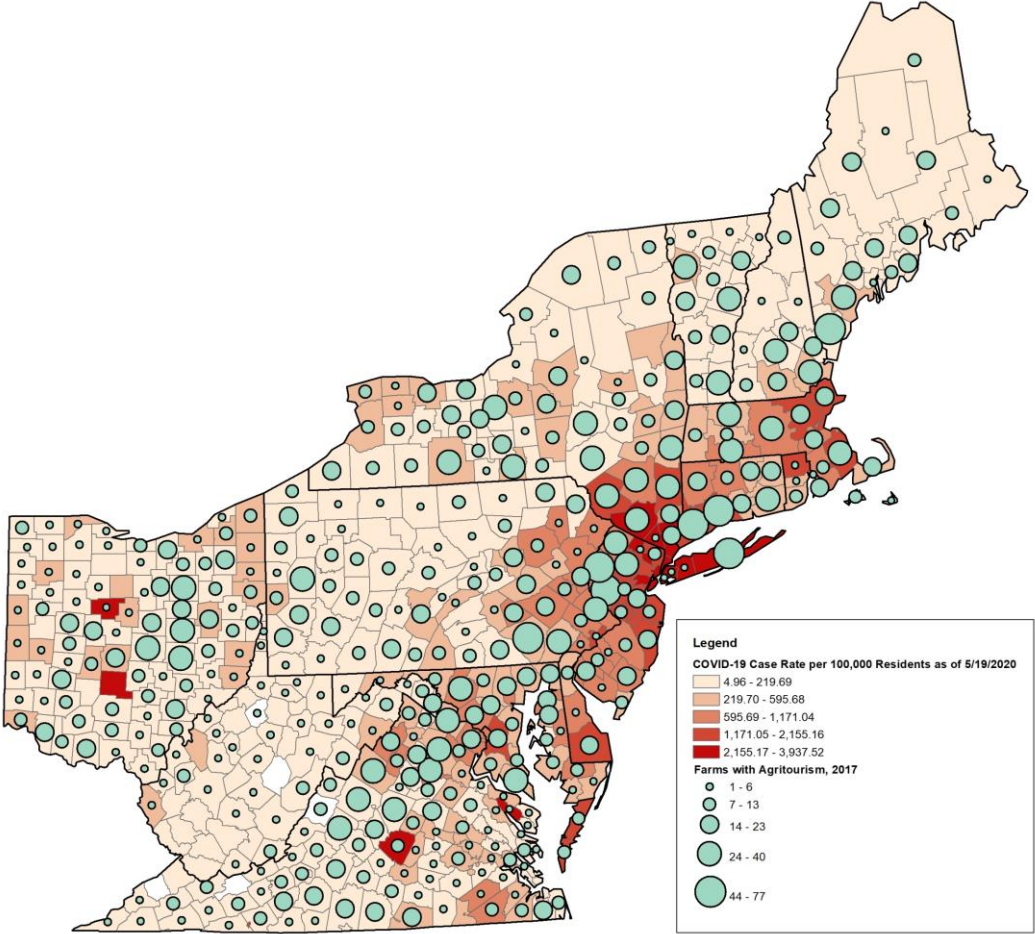
NERCRD COVID-19
Issues Brief No.
2020-7
Claudia Schmidt,
Stephan J. Goetz,
Sarah J. Rocker,
Zheng Tian



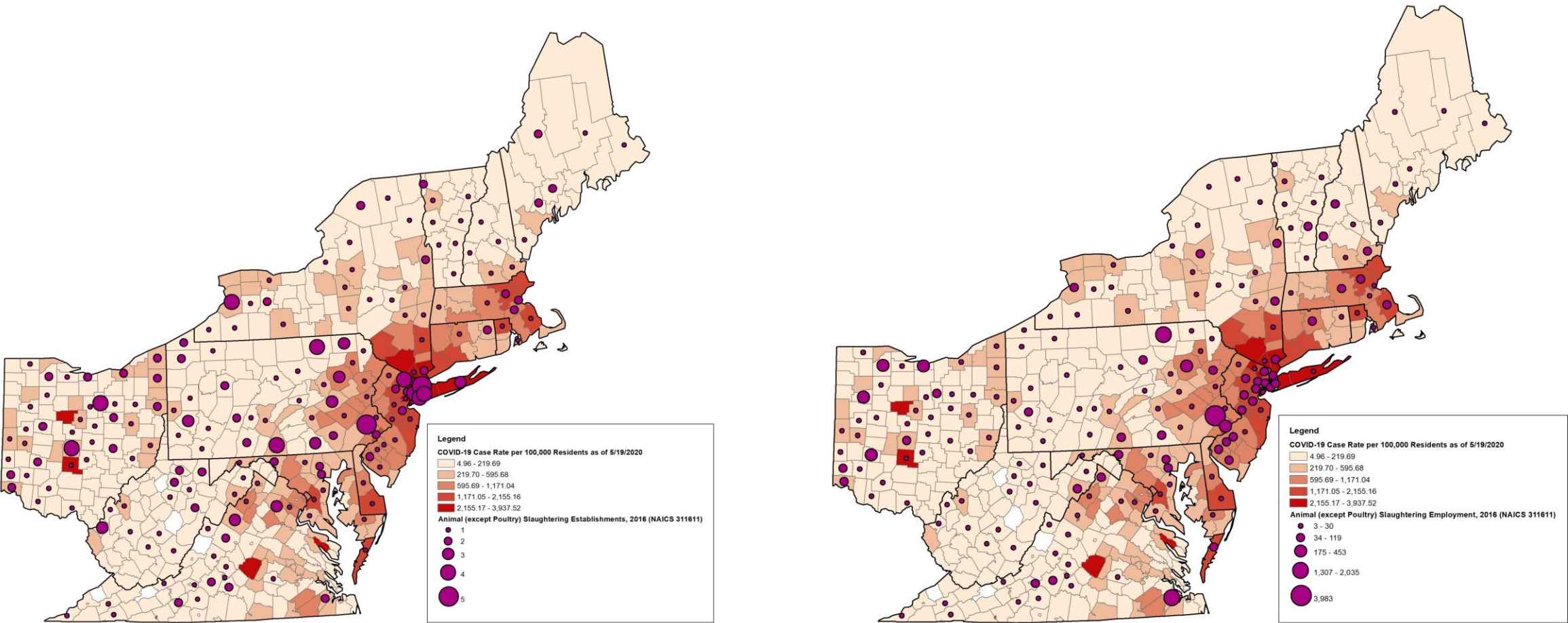
COVID-19 Cases per 100,000 and Number of Farms



County-level COVID-19 Case Rates and Number of Farms with Agritourism (left) and Direct to Consumer Sales (right)

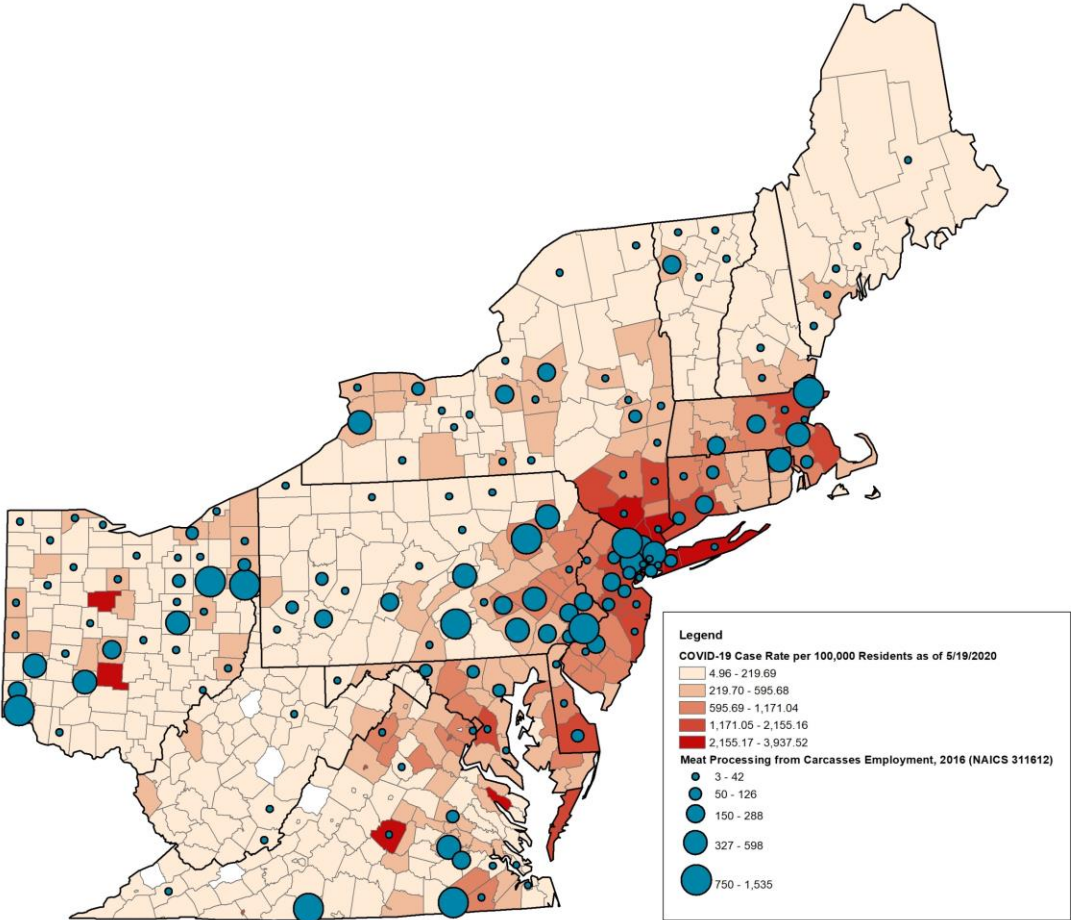
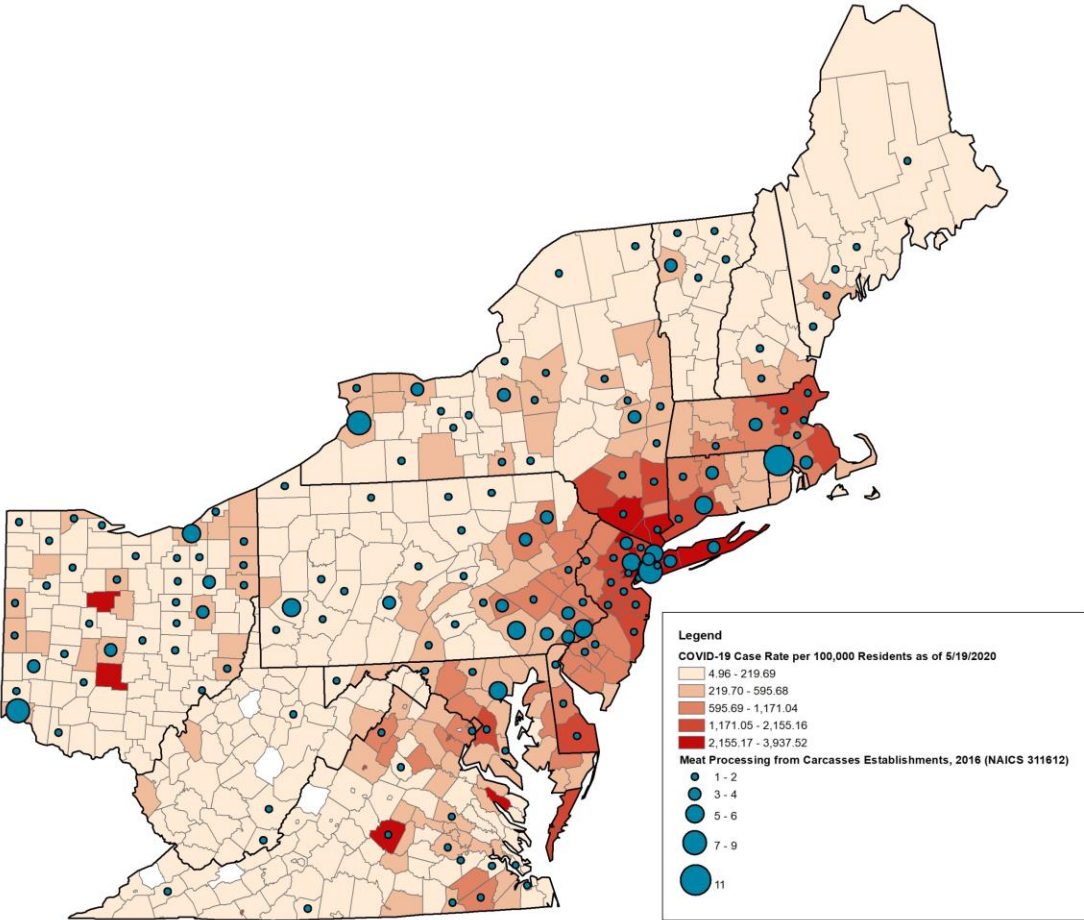


County-level COVID-19 Case Rates and Number of Animal (except Poultry) Slaughtering Establishments (left) and Employees (right)



Many small establishments with few employees in the New York City area

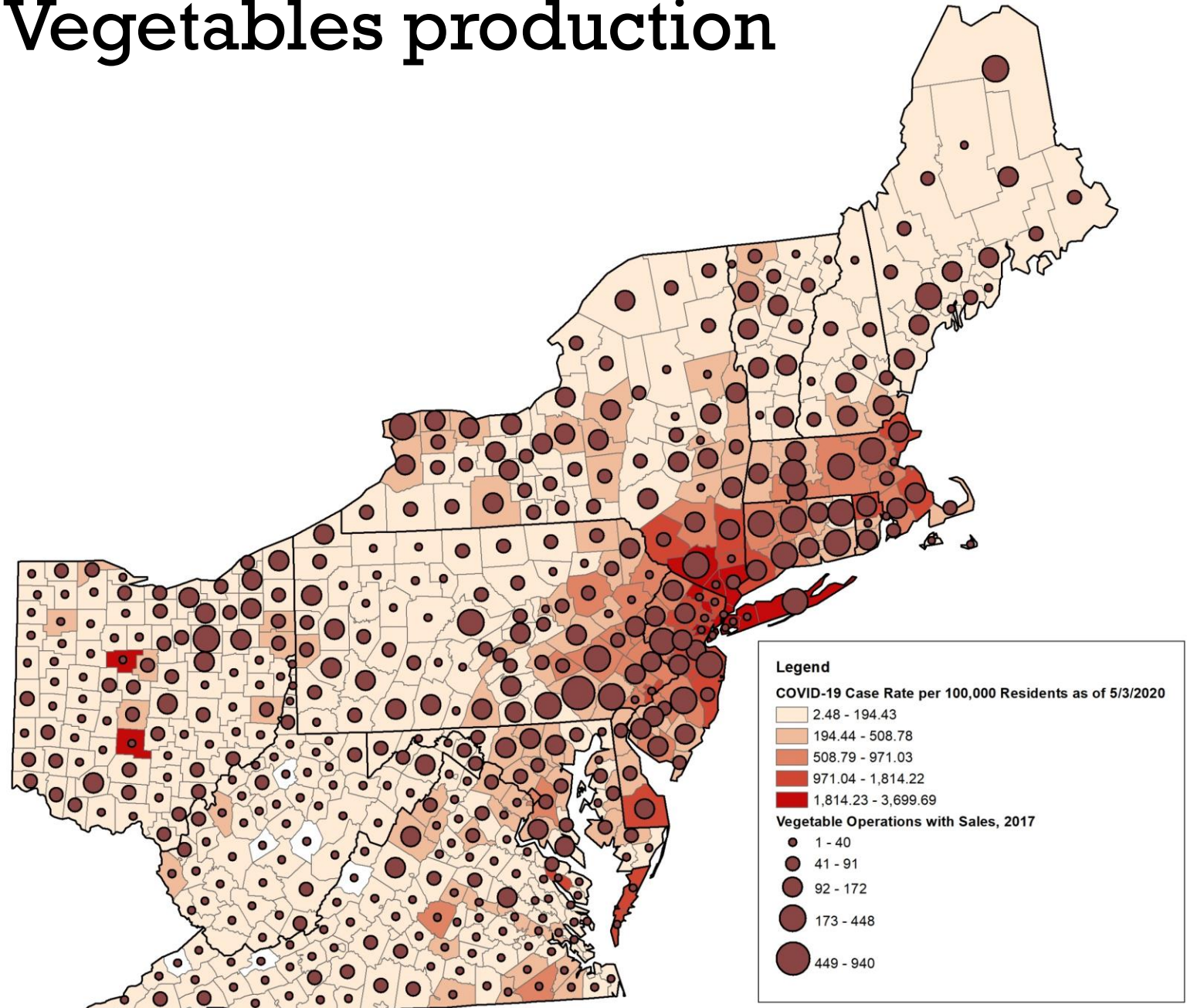
County-level COVID-19 Case Rates and Number of Meat Processing from Carcasses Establishments (left) and Employees (right)



A few large establishments with many employees in the New York City area



COVID-19 and Vegetables production



Additional resources

- nercrd.psu.edu
- rrdc.info
- Contact: sgoetz@psu.edu