

The economics of pandemics: The consequences of COVID-19 and government intervention

9-10 June 2022 2.00-5.00 PM

Location: CINCH

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Topics

1. Health consequences and inequality of COVID-19: Excess mortality and inequality
2. The public economics of vaccination: strategies to overcome vaccine hesitancy
3. Governmental intervention to curb the spread of COVID-19: The unequal costs of non-pharmaceutical interventions
4. Data Application and STATA programming: The Human Costs of Lockdowns: An Empirical Example of Lockdowns using a difference-in-differences approach and STATA

Syllabus

Day 1

Thursday 9 June 2022: 2-3.30 PM:

Topic 1: Health consequences and inequality of COVID-19

- Virat Agrawal, Jonathan H. Cantor, Neeraj Sood & Christopher M. Whaley, The impact of the COVID-19 pandemic and policy responses on excess mortality, NBER WP 28930
- Wang, Haidong et al., Estimating excess mortality due to the COVID-19 pandemic: a systematic analysis of COVID-19-related mortality, 2020–21, The Lancet, Volume 399, Issue 10334, 1513-1536
- Abi Adams-Prassl, Teodora Boneva, Marta Golin, Christopher Rauh, Inequality in the impact of the coronavirus shock: Evidence from real time surveys, Journal of Public Economics, Volume 189, 2020, 104245, ISSN 0047-2727, <https://doi.org/10.1016/j.jpubeco.2020.104245>.

Thursday 9 June 2022: 3.45-5.00 PM

Topic 2: The economics of vaccination

- Gans, Joshua, Vaccine hesitancy, passports and the demand for vaccination, NBER WP 29075, 2021
- Mills, Melinda C et al., The effect of mandatory COVID-19 certificates on vaccine uptake: synthetic-control modelling of six countries, The Lancet Public Health, Volume 7, Issue 1, e15 - e22
- Alsan, M., Eichmeyer, S., Experimental Evidence on the Effectiveness of Non-Experts for Improving Vaccine Demand, NBER WP 28593
- Erin Todd Bronchetti, David B. Huffman, Ellen Magenheim, Attention, intentions, and follow-through in preventive health behavior: Field experimental evidence on flu vaccination, Journal of Economic Behavior & Organization, Volume 116, 2015, Pages 270-291, <https://doi.org/10.1016/j.jebo.2015.04.003>.

Day 2

Friday 10 June 2022: 2-3.30 PM

Topic 3: Governmental intervention to curb the spread of COVID-19

- Besley, T. and Stern, N. (2020), The Economics of Lockdown. *Fiscal Studies*, 41: 493-513. <https://doi.org/10.1111/1475-5890.12246>
- Alsan, M., Luca Bragheri, Sarah Eichmeyer, Joyce Kim, Stefanie Stantcheva, and David Yang. Civil Liberties in Times of Crises, NBER Working Paper #27972 DOI.10.3386/w27972.
- Berry et al., Evaluating the effects of shelter in place policies during the COVID-19 pandemic, *PNAS*, March 25, 2021, 118 (15) e2019706118, <https://doi.org/10.1073/pnas.2019706118>
- Francesco Agostinelli, Matthias Doepke, Giuseppe Sorrenti, Fabrizio Zilibotti, When the great equalizer shuts down: Schools, peers, and parents in pandemic times, *Journal of Public Economics*, Volume 206, 2022, 104574, <https://doi.org/10.1016/j.jpubeco.2021.104574>.
- Butterworth, P., Schurer, S., Trong-Ahn, T., Vera-Toscano, E., Wooden, M. (2022). The effect of lockdowns on mental health: evidence from a natural experiment analysing an Australian longitudinal probability sample survey. *The Lancet Public Health*, Volume 7, Issue 5, e427 - e436

Friday 10 June 2022: 3.45-5 PM

Topic 4: Data application – using STATA to estimate the human impact of lockdown

In this module we will replicate the findings of a recent study by Schurer et al. (see below). You will learn about Difference-in-Differences models, how to estimate them in STATA, how to interpret the findings, and how to conduct robustness checks.

What to bring? Laptop, STATA, access to the internet (so you can access the do file and data source, to be provided on the day).

Study to be replicated:

Schurer, S., Kadir Atalay, Nick Glozier, Esperanza Vera-Toscano, Mark Wooden 2022. Zero-COVID Policies: Melbourne's 112-Day Hard Lockdown Experiment Harmed Mostly Mothers. *medRxiv*. February 02, 2022. doi: <https://doi.org/10.1101/2022.01.30.22270130>.

Please send an email to daniel.kuehnle@uni-due.de by **June 1st 12pm** if you want to enrol!