

Notes for long version

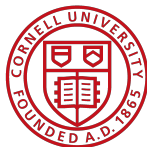
- ① Translate the wording for everyone (mechanism, quasi-random), and be clearer about suggestive. Use words like necessary but not sufficient.
- ② Needs a clearer introduction, which accurately overviews and previews the approach findings
- ③ Novelty needs to be loud, so put it first, Write $ATE = ADE + AIE$ for Levon, and enumerates folks theorems for why CM did not take off in econ but did in medicine epi psych)
- ④ Evan Riehl recommends a slide with quotes from top 5s that investigates mechanisms (note the approach is necessary but not sufficient for mechanism analysis)
- ⑤ Mention Kwon Roth result on my data, reject null then move on....
- ⑥ Longer presentation needs clear reasoning on the IV.

Notes for long version: empirical IV

- ① Longer explanation of the IV in Oregon for applied audience
- ② Options for the included IV, mainly to consider as illustrative (and do not want people to expect a super clean IV, but then get an illustrative one).
- ③ Talk through the quasi-experimental concerns (why is D_i endogenous?)
- ④ Show the IV set-up (clean pre- Z_i first-stage, but exclusion restriction maybe lacking). Can it be made binary to simplify the interpretation (and linearise the estimation?).
- ⑤ Develop at least one slide that talks through the controlling for *already diagnosed* illnesses
- ⑥ See what the CM estimates look like without controlling for them already.

Causal Mediation in Natural Experiments

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Cornell, Labor Economics Seminar
17 November 2025

Presentation Plan

Introduction

First ten minutes: introduction, road-map, and preview of findings.

- Mechanism are important (show top 5 quotes), and we do not know much about them and given (at best) suggestive evidence.
- CM is a framework from elsewhere which gives sufficient evidence, though has not taken off in economics
- I give explicit reasoning for why conventional CM methods are unlikely to work in applied econ settings, then develop a structural approach to get back to what you want.
- Apply these methods to Oregon, showing how these methods work in practice (suggestive, conventional CM, then my MTE approach).

For this part, no model and no maths notation, just vibes.

1. Oregon

Second ten-minutes, the model and suggestive evidence in the OHIE.

- Introduce the OHIE, and say why the mechanisms are important and unknown

Causal Mediation in Natural Experiments

Natural experiments gives credible estimates of causal effects

- Little information on the **mechanisms** through which they operate
- Limits understanding of the decisions and underlying economic system
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School meals → adult income, because increased education (Lundborg Rooth Alex-Petersen 2022).

Senan note: unsure how to start the presentation with 5 minutes that grab attention. Just start section 1, introducing the data succinctly.

Oregon Health Insurance Experiment

Causal Mediation (CM)

CM with Selection

Oregon Health Insurance Experiment

Conclusion