**Melosi, L. and Rottner,M. (2023). Pandemic Recessions and Contact Tracing. Journal of the European Economic Association.**

The model analyses contact tracing in a macro-epidemiological model incorporating asymptomatic transmission and limited testing capacity.

The virus spreads out because susceptible agents may meet with untested asymptomatic agents while consuming, working, or engaging in other non-economic activities.

Policymakers use contact tracing and testing to reconstruct the infection chain. When the number of contacts exceeds the testing capacities, the strategy may become unsuccessful. The model shows that combining contact tracing with different containment measures can deliver outcomes similar to the unlimited testing case.

Link to paper: <https://academic.oup.com/jeea/advance-article/doi/10.1093/jeea/jvad013/7057870>

Link to code: <https://academic.oup.com/jeea/advance-article/doi/10.1093/jeea/jvad013/7057870>