

Im Rahmen der öffentlichen Vortragsreihe

Economic Theory and Policy

des Forschungsbereichs Ökonomie

am Institut für Stochastik und Wirtschaftsmathematik der TU Wien

hält

Dr. Michael Kuhn

(Österreichische Akademie der Wissenschaften, Wien)

einen Vortrag

mit dem Titel

Congestion in a public health service: A macro approach

Abstract: Healthcare services in the UK (and other public health care systems) are provided, mostly free of charge at the point of service, by the central government via the National Health Service (NHS). NHS services are therefore allocated according to a queuing rule, with total NHS expenditures constrained by a predetermined budget. Since there is no price mechanism for allocating NHS services, an increase in the demand for healthcare services requires that the government either increases funding to the NHS or allow patient waiting times to increase. In this study, we develop a continuous-time lifecycle model with a realistic aging process in the spirit of Dalgaard-Strulik and publicly-provided healthcare services. Healthcare slows the rate of aging and is subject to congestion, which lowers its efficacy. Households optimally determine how much time to devote consuming NHS services given the current wait time. We calibrate the model to match UK data from 2005-2014 and analyze the steady-state, general equilibrium response of the model to various shocks to the economy. Our analysis suggests that the optimal NHS response to an increase in the demand for healthcare depends strongly on what is driving the increasing demand for healthcare (i.e. income growth or medical progress). In an extension, we study what would be first-best NHS policies for a small open economy and how they could be implemented.

Zeit: Montag, 14.10.2019, 17:00 Uhr

Ort: TU Wien, Sem.R. DB gelb 04
(Wiedner Hauptstraße 8, gelber Bereich, 4. Stock)