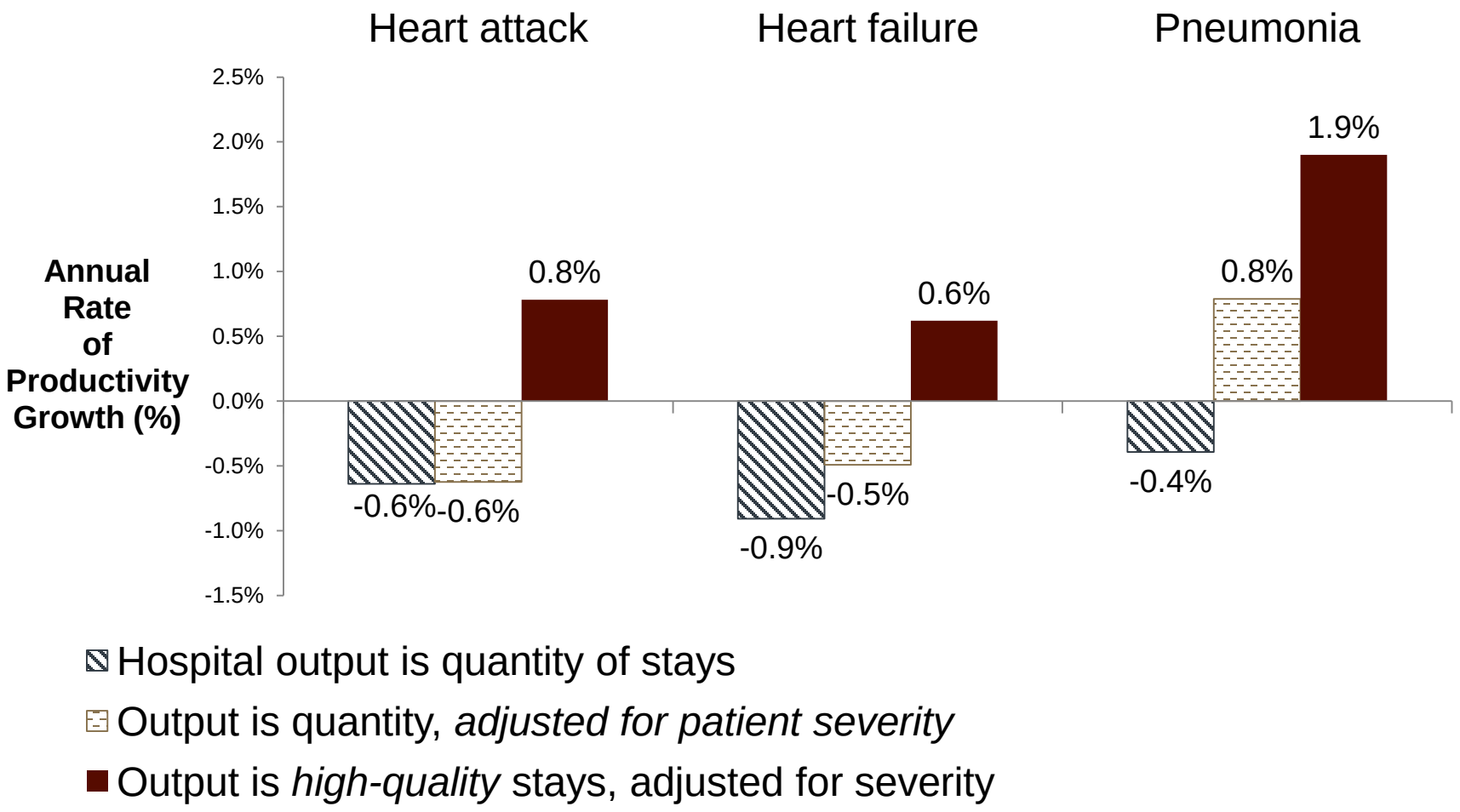
Quantifying Productivity Growth in Health Care Using Insurance Claims and Administrative Data

John A. Romley, Abe Dunn, Dana Goldman and Neeraj Sood

July 18, 2018

Romley, Goldman and Sood (2015) found productivity growth in U.S. hospitals over 2002-2011



We will extend this evidence in several directions

- **Over 15 years, namely, 2001-2016**
- **Across more events, including stroke, hip fracture, joint replacement and GI bleed**
- **To the episode level, including office visits and care after discharge**

Data sources

- **Medicare administrative files for beneficiary enrollment, death and personal characteristics**
- **Medicare claims for utilization, cost and comorbidity**
  - **Inpatient File, Carrier File, Outpatient File, Hospital Outpatient File, Hospice File, DME File, Prescription Drug Events File**
- **Healthcare Cost Report Information System for non-hospital facility cost (e.g., SNF)**
- **Minimum Data Set for custodial nursing home stays**
- **American Community Survey for small-area socio-demographics**

Extend the evidence, continued

- **Over 15 years, namely, 2001-2016**
- **Across more events, including stroke, hip fracture, joint replacement and GI bleed**
- **To the episode level, including office visits and care after discharge**
- **Toward mechanisms, e.g., for heart attack, CABG and rehab**