

## **Institution for Social and Policy Studies**

ADVANCING RESEARCH • SHAPING POLICY • DEVELOPING LEADERS

Is There Too Little Antitrust Enforcement in the U.S.

Hospital Sector?

ISPS Working Paper Date: 12/20/2022 ISPS22-39

Zarek Brot-Goldberg, University of Chicago Zack Cooper, Yale University and the NBER Stuart Craig, Yale University Lev Klarnet, Yale University

## Is There Too Little Antitrust Enforcement in the US Hospital Sector? \*

PRELIMINARY DRAFT – DO NOT CITE OR CIRCULATE

Zarek Brot-Goldberg, University of Chicago Zack Cooper, Yale University and the NBER Stuart Craig, Yale University Lev Klarnet, Yale University

October 2022

## Abstract

From 2002 to 2017, there were over 1,000 hospital mergers in the US. During this period, the Federal Trade Commission, the de facto antitrust regulator of the US hospital sector, took enforcement actions against 11 transactions. We analyze the effect of 316 horizontal mergers that occurred between 2010-2015 and use our results to explore if there is too little antitrust enforcement in the US hospital sector. A simple test to adjudicate whether there is too little enforcement is to analyze whether consummated hospital mergers raised prices and if they did so via a lessening of competition. We estimate post-merger price effects for 702 hospitals, representing 316 mergers, and find that the average hospital raised prices by 1.6%. Approximately a quarter of hospital mergers raised hospitals' by over 5%. We illustrate that these mergers likely raised prices via a lessening of competition. We then show that there are two probable explanations for the under-enforcement of antitrust laws. First, we highlight that the FTC is likely underfunded. For example, we show that in a single year, consummated hospital mergers generated single-year spending increases that were roughly six times the FTC's antitrust enforcement budget. Second, we show that the majority of hospital mergers are under Hart-Scott-Rodino (HSR) reporting thresholds and that hospital mergers under HSR thresholds generate price increases four times as large as those over HSR thresholds.

<sup>\*</sup>We thank Steven Berry, Leemore Dafny, Chris Garmon, Martin Gaynor, Ted Rosenbaum, Fiona Scott Morton, Henry Su, and seminar participants where this paper was presented for extremely valuable feedback. We benefited enormously from excellent research assistance provided by Felix Aidala, Mirko De Maria, Krista Duncan, James Han, Kelly Qiu, and Shambhavi Tiwari. This project received financial support from Arnold Ventures. We acknowledge the assistance of the Health Care Cost Institute (HCCI) and its data contributors, Aetna, Humana, and UnitedHealthcare, in providing the data analyzed in this study. HCCI had a right to review this research to guarantee we adhered to reporting requirements for the data related to patient confidentiality and the identifying of individual providers. Neither HCCI nor the data contributors could limit publication for reasons other than the violation of confidentiality requirements, and they could not require edits to the manuscript. The data used in this article can be accessed, with permission, from HCCI. The opinions expressed in this article and any errors are those of the authors alone.