

The Impact of Market Maker Competition on Nasdaq Spreads

Mark Klock✉, D. Timothy McCormick

First published: 09 March 2005

<https://doi.org/10.1111/j.1540-6288.1999.tb00469.x>

Citations: 33

The views expressed herein are not intended to represent the views of the NASD. The authors are solely responsible for the content. The authors wish to acknowledge the helpful comments of Robert Battalio, Norman Moore, Jeff Smith, Hans Stoll, Bonnie Van Ness, Robert Van Ness, and an anonymous reviewer. The usual disclaimer applies.

Abstract

This study utilizes a comprehensive database containing monthly information on the number of market makers for about 5,288 Nasdaq securities over an eight-year period to investigate the impact of competition on spreads. A variety of models are estimated in order to demonstrate the robustness of the results that include four specific findings: (1) the number of market makers has a negative and highly significant impact on spreads; (2) the relation is nonlinear with a decreasing impact by the marginal market maker; (3) Nasdaq spreads have been declining over time; and (4) structural changes in Nasdaq are associated with significant changes in the relationship between spread and the number of market makers. One improvement over the literature includes allowing endogenous competition through the use of instrumental variables.

References

Baumol, W.J., J.C. Panzer, and R.D. Willig, 1982. *Contestable Markets and the Theory of Industry Structure* (Harcourt Brace Jovanovich, New York, New York).

Benston, G.J. and R.L. Hagerman, 1974. Determinants of bid-asked spreads in the over-the-counter market, *Journal of Financial Economics* 1, 353-364.

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising purposes. You may change your settings at any time or accept the default settings. [Privacy Policy](#).

[Manage Preferences](#)

[Accept All](#)

Christie, W.G., J.H. Harris, and P.H. Schultz, 1994. Why did NASDAQ market makers stop avoiding odd-eighth quotes *Journal of Finance* 49, 1841–1860.

Doran, L.L., 1998. Nasdaq trading of NYSE-listed securities: Do NYSE bid-ask spreads encourage Nasdaq dealers to free-ride on NYSE quotes. *Working Paper*, Georgetown University.

Dubofsky, D.A. and J.C. Groth, 1984. Exchange listing and stock liquidity, *Journal of Financial Research* 7, 291–302.

Fortin, R.D., R. Grube, and O.M. Joy, 1989. Seasonality in NASDAQ dealer spreads, *Journal of Financial and Quantitative Analysis* 24, 395–407.

George, T.J., G. Kaul, and M. Nimalendran, 1991. Estimation of the bid-ask spread and its components: A New Approach, *Review of Financial Studies* 4, 623–656.

Greene, W.H., 1997. *Econometric Analysis*, 3rd ed., (Prentice-Hall, Upper Saddle River , New Jersey).

Hamilton, J.L., 1978. Marketplace organization and marketability: NASDAQ, the stock exchange, and the national market system, *Journal of Finance* 33, 487–503.

Hansch, O., N. Naik, and S. Viswanathan, 1997. Preferencing, internalization, best execution, and dealer profits. *Working Paper*, Duke University.

Harris, L., 1994. Minimum price variations, discrete bid-ask spreads, and quotation sizes, *Review of Financial Studies* 7, 149–178

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising purposes. You may change your settings at any time or accept the default settings. [Privacy Policy](#)

Manage Preferences

Accept All

McInish, T.H. and R.A. Wood, 1995. Hidden limit orders on the NYSE, *Journal of Portfolio Management* 21, 19-26.

Schwert, G.W., 1997. Symposium on market microstructure: Focus on Nasdaq, *Journal of Financial Economics* 45, 3-8.

Spence, M., 1983. Contestable markets and the theory of industry structure: A review article, *Journal of Economic Literature* 21, 981-990.

Stoll, H.R., 1978. The pricing of security dealer services: An empirical study of Nasdaq stocks, *The Journal of Finance* 33, 1153-1172.

Stoll, H.R., 1992. The economics of market making, *The NASDAQ Handbook*. 263-283.

Tinic, S.M., 1972. The economics of liquidity services, *Quarterly Journal of Economics* 86, 79-93.

Tinic, S.M. and R. West, 1972. Competition and the pricing of dealer service in the over-the-counter stock market, *Journal of Financial and Quantitative Analysis* 7, 1707-1727.

Wahal, S., 1997. Entry, exit, market makers and the bid-ask spread, *The Review of Financial Studies* 10, 871-901.

Citing Literature



This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising purposes. You may change your settings at any time or accept the default settings. [Privacy Policy](#)

Manage Preferences

Accept All

[Terms of Use](#)

[About Cookies](#)

[Manage Cookies](#)

[Accessibility](#)

[Wiley Research DE&I Statement and Publishing Policies](#)

[Developing World Access](#)

HELP & SUPPORT

[Contact Us](#)

[Training and Support](#)

[DMCA & Reporting Piracy](#)

OPPORTUNITIES

[Subscription Agents](#)

[Advertisers & Corporate Partners](#)

CONNECT WITH WILEY

[The Wiley Network](#)

[Wiley Press Room](#)

WILEY

Copyright © 1999-2023 John Wiley & Sons, Inc. All rights reserved

This website utilizes technologies such as cookies to enable essential site functionality, as well as for analytics, personalization, and targeted advertising purposes. You may change your settings at any time or accept the default settings. [Privacy Policy](#).

Manage Preferences

Accept All