Risk and Segmentation in Covered-Interest Parity Arbitrage Tobias J. Moskowitz, Chase P. Ross, Sharon Y. Ross, Kaushik Vasudevan^{*} December 18, 2023

Abstract

Prevailing theories of financial intermediation struggle to explain a striking feature of bank-intermediated arbitrages: spreads on these trades exhibit substantial crosssectional variation in sign and magnitude. We use confidential supervisory data covering \$25 trillion in daily notional exposures on average—to study covered-interest parity (CIP) deviations in currency markets. We uncover three novel forces important for explaining cross-sectional variation in CIP deviations: foreign safe asset scarcity, which makes CIP arbitrage imperfect and risky; market segmentation, with banks specializing in different markets; and concentration of demand. Our findings highlight the presence of risk in ostensibly riskless arbitrage and the importance of segmentation and search frictions in even the most liquid markets.

JEL Codes: F3, F31, F65, G1, G13, G15, G2, G23

Keywords: basis, covered-interest parity deviation, foreign exchange, safe assets

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