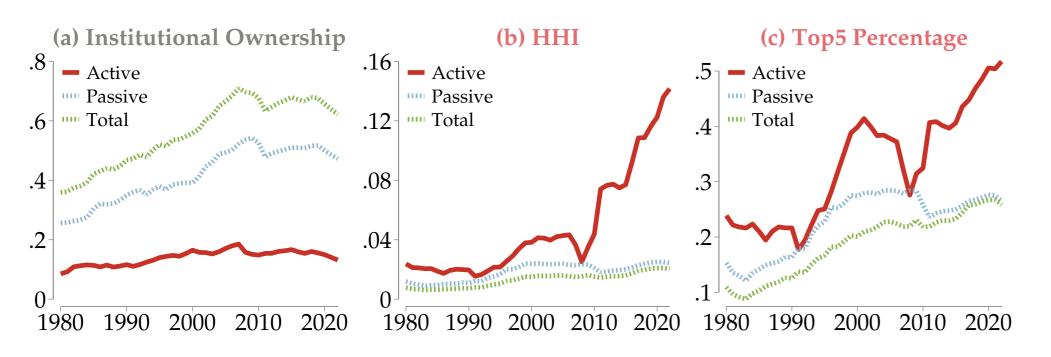
Institutional Ownership Concentration and Informational Efficiency

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Full Paper

Motivation



Stable size but surging concentration among active investors.

Research Question

How does active institutional ownership concentration affect informational efficiency?

Baseline Result: Negative Effect on FPE & RPE

	(1)	(2)	(3)
Panel A: FPE $\log(M/A)^*ActHHI$	EBIT -0.026*** (0.005)	EBITDA -0.030*** (0.004)	NI -0.027*** (0.004)
Panel B: FPE $\log(M/A)^*ActTop5$	EBIT -0.033*** (0.006)	EBITDA -0.040*** (0.005)	NI -0.029*** (0.005)
Panel C: RPE $\log(M/A)^*ActHHI$	Intangible -0.022*** (0.007)	Physical -0.023*** (0.003)	Invest -0.044*** (0.007)
Panel D: RPE $\log(M/A)^*ActTop5$	Intangible -0.027*** (0.009)	Physical -0.024*** (0.005)	Invest -0.050*** (0.012)

Main Findings



- Active institutional ownership concentration harms both forecasting price efficiency (FPE) and revelatory price efficiency (RPE).
- The negative effect holds at both market and firm levels. Mechanisms
 - Learning: Small investors specify learning.
 - Trading: Large investors trade conservatively. 0

Empirical Design

> FPE: Predictability of future cash flows from current market prices.

$$\frac{E_{i,t+1}}{A_{i,t}} = a + b \log\left(\frac{M_{i,t}}{A_{i,t}}\right) + c \log\left(\frac{M_{i,t}}{A_{i,t}}\right) \times Concentration_{i,t} + dConcentration_{i,t} + e\frac{E_{i,t}}{A_{i,t}} + f\chi_{i,t} + FE_{i,t} + \varepsilon_{i,t+1}$$

• *i*, *t* Firm and year

- Earnings scaled by total asset value: 2 EBITDA1 EBIT3 NI (Net Income)
- $\log \frac{M}{A}$ Market value scaled by total asset value
- *Concentration* HHI (*ActHHI*) and top-5 holdings percentage

Concentration (25th \rightarrow 75th quantile):

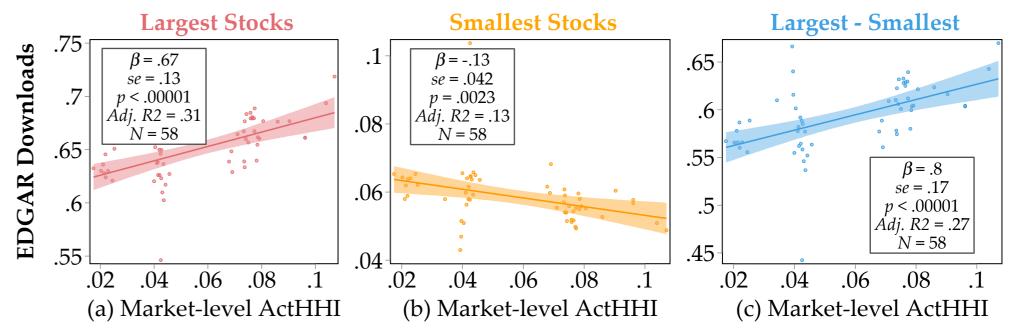
▼ FPE -24%

▼ RPE - 11%

- Robust to:
 - 3-year prediction horizon
 - international sample
 - alternative price efficiency measures (PEAD, PIN, variance ratio, informed trading intensity, relative price informativeness)

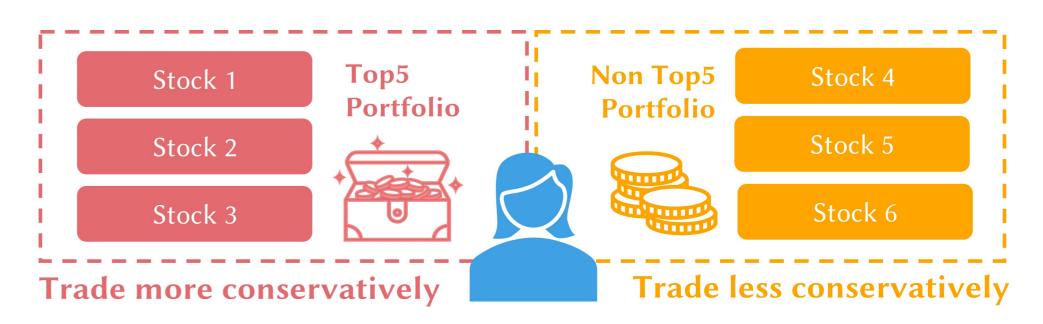
Mechanism 1: Small Investors Specify Learning

Testable Hypothesis: \Uparrow learning (EDGAR downloads) in large stocks \Downarrow learning in small stocks.



Mechanism 2: Large Investors Trade Conservatively

Testable Hypothesis: Within each investor, position adjustments are smaller in stocks where she is among the top 5 shareholders.



- (ActTop5) among active institutional investors
- χ Control variables
- *FE* Firm and Year-Industry fixed effects

RPE: The extent to which prices reveal the information necessary for future investment decisions.

$$\frac{I_{i,t+1}}{K_{i,t}} = a + b \log\left(\frac{M_{i,t}}{A_{i,t}}\right) + c \log\left(\frac{M_{i,t}}{A_{i,t}}\right) \times Concentration_{i,t} + dConcentration_{i,t} + e\frac{I_{i,t}}{K_{i,t}} + f\chi_{i,t} + FE_{i,t} + \varepsilon_{i,t+1}$$

 $\frac{1}{K}$ Investment rates:

(1) Intangible (2) Physical (3) Invest (Intangible + Physical)

	$Portfolio\ Turnover$
Top5 Portfolio Dummy	-0.143***
	(0.004)
Controls	Y
Investor-Quarter FE	Y

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