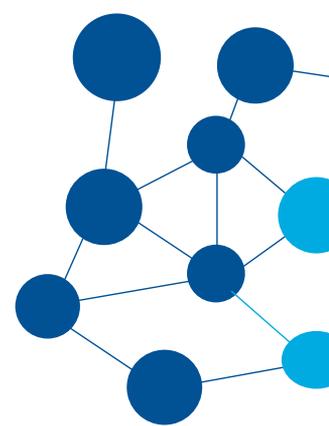


THOMSON REUTERS DATA THROUGH WHARTON RESEARCH DATA SERVICES (WRDS)



13F INSTITUTIONAL HOLDINGS

Access Institutional Common Stock Holdings and Transactions, as reported on Form 13F filed with the SEC by institutional managers with \$100 million or more in Assets Under Management.

GLOBAL OWNERSHIP HOLDINGS

Access a comprehensive collection of global equity ownership data for institutions, mutual funds and insiders. Ownership coverage spans 13F institutions, mutual, pension, and insurance funds, insiders and declarable stakes holders and U.K. share registers for securities trading in more than 70 countries

I/B/E/S

Data provides both summary and individual analyst forecasts of company earnings, cash flows, etc.

I/B/E/S GLOBAL AGGREGATES

Extract earnings forecasts plus related data for 87 countries and major international indices — a unique source of data for use in many global investment applications, including global asset allocation, cross-border valuation, sector and industry aggregation and derivatives.

I/B/E/S GUIDANCE

Directly compare analyst and management expectations on company performance for over 8,200 companies, safe in the knowledge that they are using the same accounting basis for consistent analysis.

I/B/E/S KEY PERFORMANCE INDICATORS (KPI)

KPIs allow researchers to effectively evaluate a business and how likely it is to perform in the medium and long terms.

INSIDER FILINGS (IFDF)

Capture all U.S. insider activity as reported on Forms 3, 4, 5, and 144 in line-by-line detail. A unique cleansing process is used by Thomson Reuters that adds value by making systematic interpretations on the accuracy of as-reported data and inserts “cleansed” fields for comparison.

MUTUAL FUNDS

Extract security holding information for all registered mutual funds that report their holdings with the SEC, plus 3,000 global funds.

SDC M&A

Track changes in economic ownership at ultimate parent level in going business concerns 150+ data elements, including target and acquirer profile information, deal terms, financial and legal advisor, stock premia, synopsis history, deal status, and more. Coverage from 1970.

SDC NEW ISSUES

Access issues of global equity and equity-related securities, including offerings of common stock (includes IPOs, secondary offerings, and Rule 144a stock offerings), convertible debt, and convertible preferred stock.

THOMSON REUTERS LIPPER HEDGE FUND (FORMERLY TASS)

Data contains quantitative performance data on over 7,500 actively reporting Hedge funds/ Funds of Hedge Funds and Performance data on over 11,000 graveyard funds that have liquidated or stopped reporting.

REUTERS DEALSCAN

The world’s pre-eminent source for extensive and reliable information on the global syndicated bank loan market, this robust database contains detailed terms and conditions on over 240,000 loan transactions.

WORLDSCOPE

Access comprehensive, accurate and timely fundamentals and stock data for a measurable advantage when analyzing companies—global coverage levels never before seen. While advances in harmonization have been made by major exchanges, financial accounting practices remain diverse and company presentations remain highly inconsistent. Thomson Reuters Worldscope addresses this complexity by utilizing uniform definitions and standardized statement organization.

WHARTON
RESEARCH
DATA
SERVICES

The Global Standard for Business Research
wrds

ABOUT WRDS

Wharton Research Data Services (WRDS) is the award-winning research platform and business intelligence tool for 40,000+ corporate, academic, government and nonprofit users at 400+ institutions in 30+ countries. WRDS provides the user with one location to access 250+ terabytes of data across multiple disciplines including Accounting, Banking, Economics, ESG, Finance, Healthcare, Insurance, Marketing, and Statistics. Flexible data delivery options include a powerful web query method that reduces research time, the WRDS Cloud for executing research and strategy development, and the WRDS client server using PCSAS, Matlab, Python and R. Our Analytics team, doctoral-level support and rigorous data review and validation give clients the confidence to tailor research within complex databases and create a wide range of reliable data models.

From partnerships with data vendors to our own tools, including the WRDS SEC Analytics Suite and Event Study by WRDS, Wharton Research Data Services is the global gold standard in data management and research, all backed by the credibility and leadership of the Wharton School.

ABOUT THE WHARTON SCHOOL

Founded in 1881 as the first collegiate business school, the Wharton School of the University of Pennsylvania is recognized globally for intellectual leadership and ongoing innovation across every major discipline of business education. With a broad global community and one of the most published business school faculties, Wharton creates economic and social value around the world. The Wharton School has 5,000 undergraduate, MBA, executive MBA, and doctoral students; more than 9,000 participants in executive education programs annually and a powerful alumni network of 95,000 graduates.

ABOUT THOMSON REUTERS

We're the world's leading source of intelligent information for businesses and professionals. We combine industry expertise with innovative technology to deliver critical information to leading decision makers in the financial and risk, legal, tax and accounting, intellectual property and science and media markets, powered by the world's most trusted news organization.

Contact us for trial or subscription information:

THOMSON REUTERS | www.thomsonreuters.com | Mitchell.Reisman@thomsonreuters.com | 646-223-7298

WRDS | www.whartonwrds.com | wrds@wharton.upenn.edu | +1 877-438-9737