Fund Administrator League Tables

Global Funds and AuA

Reporting Period Jun 2022 – Jun 2023



OPTIMAL PERFORMANCE

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About this League Table Report (2022 Upgrade)

- Our League Tables leverage the most comprehensive database of active funds and advisers in the market. Convergence is the only firm to have a complete set of advisers and funds including:
 - SEC registered private and public funds and advisers
 - State registered private and public funds and advisers
 - Unregistered private funds and advisers
 - EU UCITS and private funds
 - Non-pooled investment entities
- Additional Fund Administrator League Tables for Funds and AuA are available to Convergence Clients in the following cuts:
 - Private Funds, and within private funds, in the following sub-cuts
 - Hedge, Private Equity, Real Estate, Venture Capital, Securitized Assets, Hybrid and Liquidity Funds
 - Public Funds and within public funds, in the following sub-cuts
 - By fund strategy (30+)
- Effective with the publication of our January 2022 League Tables, Convergence considers Administrator acquisitions as part of the growth metrics which now includes organic and inorganic growth.

Fund Administrator League Table – Global Funds

| Convergence - Jun 2023 League Tables - Administrator Market Segment - Funds | | | | | | | | | | |
|---|---------|----------------|--------|----------|----------|----------|----------|---------|----------------|--------|
| All | Jun -23 | Jun -22 | 22-23 | 22-23 | Market | Market | 22-23 | Jun -23 | Jun -22 | 22-23 |
| Administrators | #FR | #FR | Change | Change % | Share-23 | Share-22 | Change % | Rank | Rank | Change |
| SS&C | 12,317 | 12,010 | 307 | 2.6% | 4.8% | 5.2% | -6.2% | 1 | 1 | 0 |
| STATE STREET IFS | 9,899 | 9,432 | 467 | 5.0% | 3.9% | 4.1% | -4.0% | 2 | 2 | 0 |
| APEX FUND SERVICES | 9,032 | 7,069 | 1,963 | 27.8% | 3.5% | 3.0% | 16.9% | 3 | 3 | 0 |
| CITCO FUNDS SERVICES | 5,345 | 4,890 | 455 | 9.3% | 2.1% | 2.1% | 0.0% | 4 | 5 | 1 |
| NORTHERN TRUST | 4,080 | 3,896 | 184 | 4.7% | 1.6% | 1.7% | -4.2% | 5 | 6 | 1 |
| BNP PARIBAS | 4,056 | 3,873 | 183 | 4.7% | 1.6% | 1.7% | -4.2% | 6 | 7 | 1 |
| BANK OF NEW YORK | 3,733 | 3,670 | 63 | 1.7% | 1.5% | 1.6% | -7.0% | 7 | 8 | 1 |
| SEI FUND ADMINISTRATION | 3,513 | 3,187 | 326 | 10.2% | 1.4% | 1.4% | 0.8% | 8 | 9 | 1 |
| ALTER DOMUS | 3,171 | 2,884 | 287 | 10.0% | 1.2% | 1.2% | 0.6% | 9 | 10 | 1 |
| CARTA (ESHARES) | 3,077 | 2,138 | 939 | 43.9% | 1.2% | 0.9% | 31.7% | 10 | 15 | 5 |
| GEN II FUND SERVICES | 2,867 | 2,529 | 338 | 13.4% | 1.1% | 1.1% | 3.7% | 11 | 13 | 2 |
| JPMORGAN | 2,818 | 2,644 | 174 | 6.6% | 1.1% | 1.1% | -2.5% | 12 | 11 | -1 |
| US BANCORP | 2,779 | 2,587 | 192 | 7.4% | 1.1% | 1.1% | -1.7% | 13 | 12 | -1 |
| STANDISH MANAGEMENT | 2,515 | 2,146 | 369 | 17.2% | 1.0% | 0.9% | 7.2% | 14 | 14 | 0 |
| ADURO ADVISORS | 2,378 | 1,460 | 918 | 62.9% | 0.9% | 0.6% | 49.0% | 15 | 23 | 8 |
| CREDIT AGRICOLE FUNDS SERVICES | 2,305 | 2,055 | 250 | 12.2% | 0.9% | 0.9% | 2.6% | 16 | 16 | 0 |
| NAV CONSULTING | 2,099 | 1,588 | 511 | 32.2% | 0.8% | 0.7% | 20.9% | 17 | 18 | 1 |
| SOCIETE GENERALE | 1,990 | 1,555 | 435 | 28.0% | 0.8% | 0.7% | 17.1% | 18 | 20 | 2 |
| UNIVERSAL-INVEST GRUPPE | 1,791 | 855 | 936 | 109.5% | 0.7% | 0.4% | 91.6% | 19 | 32 | 13 |
| MORGAN STANLEY | 1,763 | 1,747 | 16 | 0.9% | 0.7% | 0.8% | -7.7% | 20 | 17 | -3 |
| ULTIMUS LEVERPOINT FUNDS SERVICES | 1,622 | 1,426 | 196 | 13.7% | 0.6% | 0.6% | 4.0% | 21 | 24 | 3 |
| BROWN BROTHERS HARRIMAN | 1,600 | 1,572 | 28 | 1.8% | 0.6% | 0.7% | -6.9% | 22 | 19 | -3 |
| MITSUBISHI FUND SERVICES | 1,500 | 1,493 | 7 | 0.5% | 0.6% | 0.6% | -8.1% | 23 | 22 | -1 |
| ROYAL BANK OF CANADA | 1,492 | 1,508 | -16 | -1.1% | 0.6% | 0.6% | -9.5% | 24 | 21 | -3 |
| IQ-EQ | 1,388 | 1,037 | 351 | 33.8% | 0.5% | 0.4% | 22.4% | 25 | 28 | 3 |
| TOP 25 | 89,130 | 79,251 | 9,879 | 12.5% | 35.0% | 34.0% | 2.9% | | | |
| NON COMPETITIVE GROUP | 1,422 | 1,588 | -166 | -10.5% | 0.6% | 0.7% | -18.1% | | | |
| ALL OTHER | 59,580 | 62,029 | -2,449 | -3.9% | 23.4% | 26.6% | -12.1% | | | |
| SELF ADMINISTERED | 55,860 | 49,411 | 6,449 | 13.1% | 21.9% | 21.2% | 3.4% | | | |
| UNATTRIBUTED | 48,513 | 40,532 | 7,981 | 19.7% | 19.1% | 17.4% | 9.5% | | | |
| TOTAL RELATIONSHIPS | 254,505 | 232,811 | 21,694 | 9.3% | 100.0% | 100.0% | 0.0% | | | |
| TOTAL UNIQUE FUNDS | 252,610 | 229,352 | 23,258 | 10.1% | 99.3% | 98.5% | 0.8% | | | |

Fund Administrator Peer Analysis – Fund Growth and Market Share

Best and Worst Performing Peer Groups

- Admins ranked 11-25 registered the highest growth in funds
 - Funds increased 17.96%, or 1.93x the market
 - Market share increased from 11.25% to 12.14%
 - \blacktriangleright An increase of 7.90%
- Admins ranked >25 registered the smallest growth in funds
 - Funds decreased 3.95%, or -0.42x the market
 - Market share decreased from 26.64% to 23.41%
 - \blacktriangleright A decrease of 12.14%

| Peer Group Performance by Fund Relationships | | | | | | | | | |
|--|--------|--------|--------|--------|--------|----------|--|--|--|
| Administrator | Y-Y | Growth | SOM | SOM | SOM | SOM | | | |
| Peer Group Analysis | Growth | vs-MKT | 2023 | 2022 | Change | Change % | | | |
| Market Growth Funds | 10.14% | | 100% | 100% | | | | | |
| Market Growth Relationships | 9.32% | | 100% | 100% | | | | | |
| Admins Ranked 1-5 | 9.05% | 0.97 | 15.98% | 16.02% | -0.04% | -0.24% | | | |
| Admins Ranked 6-10 | 11.41% | 1.22 | 6.90% | 6.77% | 0.13% | 1.92% | | | |
| Admins Ranked 11-25 | 17.96% | 1.93 | 12.14% | 11.25% | 0.89% | 7.90% | | | |
| All Other Admins | -3.95% | -0.42 | 23.41% | 26.64% | -3.23% | -12.14% | | | |
| Self Administered | 13.05% | 1.40 | 21.95% | 21.22% | 0.72% | 3.42% | | | |

Fund Administrator - League Table – Global AUA

| Convergence - Jun 2023 League Tables - Administrator Market Segment - Fund Assets | | | | | | | | | | |
|---|------------|------------|-----------|----------|--------|--------------|--------|---------|---------|--------|
| All | Jun -23 | Jun -22 | 22-23 | 22-23 | Market | Market | 22-23 | Jun -23 | Jun -22 | 22-23 |
| Administrators | FR-AUA | FR-AUA | | Change % | | | | Rank | Rank | Change |
| STATE STREET IFS | \$5,617.0 | \$5,678.7 | -\$61.7 | -1.1% | 7.1% | 7.3% | -2.1% | 1 | 1 | 0 |
| SS&C | \$4,897.4 | \$4,701.4 | \$196.1 | 4.2% | 6.2% | 6.0% | 3.1% | 2 | 2 | 0 |
| JPMORGAN | \$3,004.1 | \$2,883.6 | \$120.5 | 4.2% | 3.8% | 3.7% | 3.1% | 3 | 3 | 0 |
| NORTHERN TRUST | \$2,766.1 | \$2,768.5 | -\$2.4 | -0.1% | 3.5% | 3.6% | -1.2% | 4 | 4 | 0 |
| BANK OF NEW YORK | \$2,456.2 | \$2,524.8 | -\$68.6 | -2.7% | 3.1% | 3.2% | -3.8% | 5 | 5 | 0 |
| CITCO FUNDS SERVICES | \$2,217.6 | \$2,275.5 | -\$58.0 | -2.5% | 2.8% | 2.9% | -3.6% | 6 | 6 | 0 |
| APEX FUND SERVICES | \$1,547.5 | \$1,295.8 | \$251.7 | 19.4% | 2.0% | 1.7% | 18.1% | 7 | 8 | 1 |
| BNP PARIBAS | \$1,459.5 | \$1,385.9 | \$73.6 | 5.3% | 1.9% | 1.8% | 4.2% | 8 | 7 | -1 |
| SEI FUND ADMINISTRATION | \$1,236.0 | \$1,170.9 | \$65.1 | 5.6% | 1.6% | 1.5% | 4.4% | 9 | 9 | 0 |
| US BANCORP | \$1,183.2 | \$1,137.8 | \$45.4 | 4.0% | 1.5% | 1.5% | 2.9% | 10 | 11 | 1 |
| BROWN BROTHERS HARRIMAN | \$974.8 | \$993.5 | -\$18.6 | -1.9% | 1.2% | 1.3% | -2.9% | 11 | 12 | 1 |
| MORGAN STANLEY | \$967.5 | \$1,155.2 | -\$187.7 | -16.2% | 1.2% | 1.5% | -17.1% | 12 | 10 | -2 |
| HONG KONG SHANGHAI BANKING CORP | \$756.9 | \$688.5 | \$68.3 | 9.9% | 1.0% | 0.9% | 8.7% | 13 | 13 | 0 |
| ALTER DOMUS | \$690.5 | \$645.6 | \$44.9 | 7.0% | 0.9% | 0.8% | 5.8% | 14 | 14 | 0 |
| UNIVERSAL-INVEST GRUPPE | \$659.7 | \$314.2 | \$345.6 | 110.0% | 0.8% | 0.4% | 107.7% | 15 | 22 | 7 |
| MITSUBISHI FUND SERVICES | \$634.6 | \$579.2 | \$55.4 | 9.6% | 0.8% | 0.7% | 8.4% | 16 | 15 | -1 |
| GEN II FUND SERVICES | \$602.9 | \$516.4 | \$86.4 | 16.7% | 0.8% | 0.7% | 15.5% | 17 | 18 | 1 |
| SOCIETE GENERALE | \$567.9 | \$516.8 | \$51.0 | 9.9% | 0.7% | 0.7% | 8.7% | 18 | 17 | -1 |
| CREDIT AGRICOLE FUNDS SERVICES | \$534.2 | \$522.5 | \$11.7 | 2.2% | 0.7% | 0.7% | 1.1% | 19 | 16 | -3 |
| STANDISH MANAGEMENT | \$461.8 | \$445.4 | \$16.4 | 3.7% | 0.6% | 0.6% | 2.6% | 20 | 21 | 1 |
| HEDGESERV | \$460.3 | \$463.4 | -\$3.0 | -0.7% | 0.6% | 0.6% | -1.7% | 21 | 19 | -2 |
| ROYAL BANK OF CANADA | \$434.1 | \$462.3 | -\$28.1 | -6.1% | 0.6% | 0.6% | -7.1% | 22 | 20 | -2 |
| MASSACHUSETT FIN | \$369.8 | \$0.0 | \$369.8 | 0.0% | 0.5% | 0.0% | 0.0% | 23 | 0 | -23 |
| ULTIMUS LEVERPOINT FUNDS SERVICES | \$301.2 | \$258.9 | \$42.2 | 16.3% | 0.4% | 0.3% | 15.1% | 24 | 25 | 1 |
| AZTEC FINANCIAL SERVICES | \$294.7 | \$239.7 | \$55.1 | 23.0% | 0.4% | 0.3% | 21.7% | 25 | 29 | 4 |
| TOP 25 | \$35,095.6 | \$33,624.4 | \$1,471.2 | 4.4% | 44.7% | 43.3% | 3.3% | | | |
| NON COMPETITIVE GROUP | \$9,206.2 | \$9,584.6 | -\$378.4 | -3.9% | 11.7% | 12.3% | -5.0% | | | |
| ALL OTHER | \$9,640.3 | \$9,517.8 | \$122.5 | 1.3% | 12.3% | 12.2% | 0.2% | | | |
| SELF ADMINISTERED | \$22,451.8 | \$22,100.9 | \$350.8 | 1.6% | 28.6% | 28.4% | 0.5% | | | |
| UNATTRIBUTED | \$2,166.8 | \$2,891.4 | -\$724.7 | -25.1% | 2.8% | 3.7% | -25.9% | | | |
| TOTAL RELATIONSHIPS | \$78,560.6 | \$77,719.2 | \$841.4 | 1.1% | 100.0% | 100.0% | 0.0% | | | |
| TOTAL UNIQUE FUNDS | 1 | \$77,192.8 | \$847.9 | 1.1% | 99.3% | 99.3% | -0.1% | | | 0 |

Fund Administrator Peer Analysis – AUA Growth and Market Share

Best and Worst Performing Peer Groups

- Admins ranked 11-25 registered the highest AuA growth
 - AuA increased 11.66%, or 7.57x the market
 - Market share increased from 10.04% to 11.09%
 - \blacktriangleright An increase of 10.46%
- Admins ranked 1-5 registered the lowest AuA growth
 - AuA increased 0.99%, or 0.64x the market
 - Market share decreased from 23.88% to 23.86%
 - \blacktriangleright A decrease of 0.09%

| Peer Group Performance by Fund Assets | | | | | | | | | | |
|---------------------------------------|--------|--------|--------|--------|--------|----------|--|--|--|--|
| Administrator | Y-Y | Growth | SOM | SOM | SOM | SOM | | | | |
| Peer Group Analysis | Growth | vs-MKT | 2023 | 2022 | Change | Change % | | | | |
| Market Growth Assets | 1.10% | | 100% | 100% | | | | | | |
| Market Growth Relationships | 1.08% | | 100% | 100% | | | | | | |
| Admins Ranked 1-5 | 0.99% | 0.64 | 23.86% | 23.88% | -0.02% | -0.09% | | | | |
| Admins Ranked 6-10 | 5.20% | 3.38 | 9.73% | 9.35% | 0.38% | 4.07% | | | | |
| Admins Ranked 11-25 | 11.66% | 7.57 | 11.09% | 10.04% | 1.05% | 10.46% | | | | |
| All Other Admins | 1.29% | 0.84 | 12.27% | 12.25% | 0.02% | 0.20% | | | | |
| Self Administered | 1.59% | 1.03 | 28.58% | 28.44% | 0.14% | 0.50% | | | | |

About Convergence

- Founded in 2013, Convergence provides independent <u>insights</u> into important trends and challenges facing our clients in the fast-growing and dynamic asset management industry by using alternative data and data science analytics.
- Our <u>insights</u> help clients grow revenue, <u>improve efficiency</u> and <u>identify and manage risks</u>.
- Our <u>clients</u> include Asset Managers, Institutional Investors and Service Providers.
- Our <u>founders</u>, are former C-Suite executives in hedge funds, private equity funds, broker-dealers and securities exchanges.
- We are headquartered in South Norwalk, CT and operate in New Jersey and Hyderabad, India.
- For additional information please contact John Phinney @ 203-956-4824 or George Gainer @ 203-956-4824 or to learn more about how Convergence can help you.

Convergence offers several additional datasets and analytical tools that can be used to support business development and risk management efforts...

• Competitive Analysis (Business Development)

- Compare your growth and market share to a defined peer group in multiple fund type segments
- Growth is broken down in up to 9 growth factors, each which reveals a story

Client New Fund Flow Analytics (Business Development)

- Identify new flows into client funds
- Allows you to determine if you are getting your fair share of the change

• Clients at Risk (Client Management)

• Convergence predictive analytics can identify clients likely to move their business to a competitor in full, or partially through diversification

• Client Operational Risk Profiles (Risk Management)

• Convergence proprietary risk factors can identify high-risk business conditions in your prospective or existing clients that can create financial and reputational risk to your firm

• ESG Business Profiles

• Convergence measures the ESG sensitivity of investment advisers. This differs from ESG investing measurement and complements your work on ESG investing.

Terms Used in Our Fund Administrator League Tables

- Global Funds and Assets
 - Measures public and private funds and assets domiciled in US and non-US locations that Convergence can attribute to one or more Fund Administrators.
- US Funds and Assets
 - Measures public and private funds and assets domiciled in the US that Convergence can attribute to one or more Fund Administrators.
- Non-US Funds and Assets
 - Measures public and private funds and assets domiciled outside the United States that Convergence can attribute to one or more Fund Administrators.
- Self-Administered Funds Global US Non-US
 - Measures public and private funds and assets domiciled in US and non-US locations that are being serviced by the investment adviser or a controlled affiliate.
- Unattributed Funds and Assets Global US Non-US
 - Measures public and private funds and assets domiciled in US and non-US locations that Convergence cannot attribute to one or more Fund Administrators.
- Total Fund Relationships
 - Measures public and private funds and assets domiciled in US and non-US locations that Convergence attributes to one or more Fund Administrators. While not common, a fund can have more than one Administrator.
- Total Unique Funds
 - Measures public and private funds and assets domiciled in US and non-US locations.
- All Other Administrators
 - Is a measure of funds and assets attributed to Fund Administrators ranked outside the Top 25.
- Non-Competitive Group
 - Is a measure of funds and assets attributed to entities that primarily service public funds of related asset 10
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The Convergence Leadership Team



John Phinney, Chairman and CEO

Career History

 Apollo Global Management-Fund Group: CFO/COO, Rohatyn Group: CFO/COO, JPMorgan [Various Divisions]: CFO, Fidelity Alternative Investments: Director of Operations

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Career History

Executive Management Consultant, Atlas Data: Chief Executive Officer and Co-founder, J. & W. Seligman & Co. Incorporated: V.P. Human Resources, UJB-Financial: V.P. Employee Benefits

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George Evans, Co-President and Chief Revenue Officer

Career History

Gladstone Associates: Managing Director, GlobeOp Financial, Outsource Partners International, BISYS Financial Services: Global Head of Business Development, JPMorgan Investor Services: Senior Vice President, The Prudential: Assistant Treasurer

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George Gainer, CPA Global Head – Client Management

Career History

Gravitas: Finance & Business Performance Analyst, Apollo [through Gravitas]: Business Analysis & Reporting, Iron Mountain: Acquisition Accounting Manager, KPMG: Transaction Services Manager, Deloitte: Audit Senior Staff

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Vidya Minukuri, Global Head of Data Science & Research

Career History

Tata Consultancy Services: Assistant Business Consultant & Project Manager, British Telecom [through TCS]: Lead Business Analyst & Solution Architect, Ericsson [through TCS] : IT Systems Engineer and IT development team leader

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David Etzbach, Managing Director, Custodians and Allocators

Career History

Nod Hill Investment Partners, Founder, Steinberg Asset Management, Managing Director, Fidelity Investments / Pyramis Global Advisors, Senior Vice President, Credit Suisse Asset Management, Director, Citigroup Asset Management / Legg Mason, Director / Vice President, JP Morgan - Global Investor Services, Vice President, Bankers Trust

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