Fund Auditor
League Tables

Global
Funds and AuA

Reporting Period

Mar 2022 - Mar 2023



## Table of Contents

Slide Description	Page#
Fund Auditors League Table - Funds	4
Fund Auditor Peer Groups – Fund Growth and Market Share	5
Fund Auditors - League Table – AuA	6
Fund Auditor Peer Groups – AuA Growth & Market Share	7
About Convergence	8
Additional Analytics available for Fund Auditors	9
Terms used in Our League Tables	10
Disclaimer	11
Convergence Leadership Team	12

## 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:
  - o SEC registered private and public funds and advisers
  - State registered private and public funds and advisers
  - Unregistered private funds and advisers
  - o EU UCITS and private funds
  - Non-pooled investment entities
- Additional Auditor League Tables for Funds and AuA are available to Convergence Clients in the following cuts:
  - o Private Funds, and within private funds, in the following sub-cuts
    - Hedge, Private Equity, Real Estate, Venture Capital, Securitized Assets, Hybrid and Liquidity Funds
  - o 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 Auditor acquisitions as part of the growth metrics which now includes combined organic and inorganic growth.

## Fund Auditor League Table – Global Funds

Convergence - Mar 2023 League Tables - Auditor Market Segment - Funds										
All	Mar -23	Mar -22	22-23	22-23	Market	Market	22-23	Mar -23	<b>Mar -22</b>	22-23
Auditors	# FR	# FR	Change	Change %	Share-23	Share-22	Change %	Rank	Rank	Change
PRICE WATERHOUSE COOPERS	25,631	24,379	1,252	5.1%	10.0%	10.8%	-6.7%	1	1	0
ERNST YOUNG	21,850	19,983	1,867	9.3%	8.6%	8.8%	-2.9%	2	2	0
KPMGRK	17,714	17,401	313	1.8%	6.9%	7.7%	-9.6%	3	3	0
DELOITTE TOUCHE	15,693	14,566	1,127	7.7%	6.1%	6.4%	-4.4%	4	4	0
SOBEL	7,433	5,355	2,078	38.8%	2.9%	2.4%	23.2%	5	5	0
EISNERAMPER	4,802	4,613	189	4.1%	1.9%	2.0%	-7.6%	6	6	0
RSM	3,742	3,486	256	7.3%	1.5%	1.5%	-4.7%	7	7	0
BDO USA	3,514	3,007	507	16.9%	1.4%	1.3%	3.7%	8	8	0
GRANT THORNTON	2,267	2,099	168	8.0%	0.9%	0.9%	-4.1%	9	9	0
FRANK RIMERMAN CO	2,081	1,726	355	20.6%	0.8%	0.8%	7.0%	10	10	0
COHNREZNICK	1,442	1,102	340	30.9%	0.6%	0.5%	16.1%	11	13	2
SPICER JEFFERIES	1,317	1,333	-16	-1.2%	0.5%	0.6%	-12.3%	12	11	-1
RICHEY MAY CO	1,202	1,142	60	5.3%	0.5%	0.5%	-6.6%	13	12	-1
COHEN & CO	1,130	1,092	38	3.5%	0.4%	0.5%	-8.2%	14	14	0
WEAVER	1,034	747	287	38.4%	0.4%	0.3%	22.9%	15	15	0
BAKER TILLEY VIRCHOW KRAUSE	720	543	177	32.6%	0.3%	0.2%	17.7%	16	18	2
PLANTE MORAN	717	616	101	16.4%	0.3%	0.3%	3.3%	17	16	-1
MAZARS	642	600	42	7.0%	0.3%	0.3%	-5.0%	18	17	-1
BLS GROUP GMBH	629	11	618	5618.2%	0.2%	0.0%	4975.3%	19	95	76
WITHUM SMITH BROWN	628	489	139	28.4%	0.2%	0.2%	14.0%	20	19	-1
SENSIBA SAN FELIPO	614	403	211	52.4%	0.2%	0.2%	35.2%	21	22	1
MARCUM LLP	539	411	128	31.1%	0.2%	0.2%	16.4%	22	21	-1
MOSS ADAMS	531	454	77	17.0%	0.2%	0.2%	3.8%	23	20	-3
FORVIS	456	O	456	0.0%	0.2%	0.0%	0.0%	24	О	-24
TAIT WELLER BAKER	359	376	-17	-4.5%	0.1%	0.2%	-15.3%	25	23	-2
TOP 25 AUDITORS	116,687	105,934	10,753	10.2%	45.7%	46.7%	-2.2%			
ALL OTHER	9,868	9,209	659	7.2%	3.9%	4.1%	-4.9%			
NOT REPORTED	11,477	11,527	-50	-0.4%	4.5%	5.1%	-11.6%			
AUDITOR NOT REQUIRED	18,943	15,020	3,923	26.1%	7.4%	6.6%	11.9%			
UNATTRIBUTED	98,361	84,940	13,421	15.8%	38.5%	37.5%	2.8%			
TOTAL RELATIONSHIPS	255,336	226,630	28,706	12.67%	100.0%	100.0%	0.0%			
TOTAL UNIQUE FUNDS	253,666	225,084	28,582	12.70%	99.3%	99.3%	0.0%			

## Fund Auditor Peer Analysis – Global Funds - Growth and Market Share

### **Best and Worst Performing Peer Groups**

- Auditors ranked 11-25 registered the highest growth in funds
  - o Funds increased 28.34%, or 2.24x the market
  - Market share increased from 4.11% to 4.68%
    - ➤ An increase of 13.91%
- Auditors ranked 1-4 registered the smallest growth in funds
  - o Funds increased 5.97%, or 0.47x the market
  - Market share declined from 33.68% to 31.68%
    - ➤ A decrease of 5.94%

Peer Group Performance by Fund Relationships										
Auditor	Y-Y	Growth	SOM	SOM	SOM	SOM				
<b>Peer Group Analysis</b>	Growth	vs-MKT	2023	2022	Change	Change %				
<b>Market Growth Funds</b>	12.70%		100%	100%						
<b>Market Growth Relationships</b>	12.67%		100%	100%						
Auditors Ranked 1-4	5.97%	0.47	31.68%	33.68%	-2.00%	-5.94%				
Auditors Ranked 5-10	17.51%	1.38	9.34%	8.95%	0.39%	4.30%				
Auditors Ranked 11-25	28.34%	2.24	4.68%	4.11%	0.57%	13.91%				
All Other Auditors	7.16%	0.56	3.86%	4.06%	-0.20%	-4.89%				
Not Reported	-0.43%	-0.03	4.49%	5.09%	-0.59%	-11.63%				

## Fund Auditor - League Table - Global Assets

Convergence - Mar 2023 League Tables - Auditor Market Segment - Fund Assets										
								Mary 22	Man 22	22.02
Auditom	Mar -23	Mar -22	22-23 Change	22-23	Market	Market	22-23 Changa 9/		Mar -22	22-23 Change
Auditors  PRICE WATERHOUSE COOPERS	FR-AuA	FR-AuA	Change	Change %	Share-23	Share-22	Change %	Rank		Change
PRICE WATERHOUSE COOPERS	\$24,630.6	\$25,945.8	-\$1,315.2	-5.1%	31.9%	32.9%	-2.9%	1	1	0
ERNST YOUNG	\$11,350.2	\$10,707.1	\$643.0	6.0%	14.7%	13.6%	8.4%	2	2	0
DELOITTE TOUCHE	\$9,988.4	\$10,093.4	-\$105.0	-1.0%	12.9%	12.8%	1.2%	3	3	0
KPMGRK	\$5,432.7	\$6,139.9	-\$707.2	-11.5%	7.0%	7.8%	-9.5%	4	4	0
BLS GROUP GMBH	\$857.8	\$0.2	\$857.6	444943.4%	1.1%	0.0%	455159.0%	5	217	212
BDO USA	\$589.7	\$565.7	\$24.0	4.2%	0.8%	0.7%	6.6%	6	5	-1
RSM	\$518.7	\$500.8	\$17.9	3.6%	0.7%	0.6%	6.0%	7	7	0
GRANT THORNTON	\$498.6	\$511.9	-\$13.3	-2.6%	0.6%	0.6%	-0.4%	8	6	-2
COHEN & CO	\$352.2	\$374.6	-\$22.4	-6.0%	0.5%	0.5%	-3.8%	9	8	-1
EISNERAMPER	\$234.2	\$205.0	\$29.2	14.2%	0.3%	0.3%	16.8%	10	9	-1
FRANK RIMERMAN CO	\$164.8	\$133.1	\$31.7	23.8%	0.2%	0.2%	26.7%	11	11	0
TAIT WELLER BAKER	\$135.8	\$166.3	-\$30.5	-18.3%	0.2%	0.2%	-16.5%	12	10	-2
MAZARS	\$119.3	\$129.1	-\$9.8	-7.6%	0.2%	0.2%	-5.5%	13	12	-1
BBD CPA	\$112.5	\$116.4	-\$3.8	-3.3%	0.1%	0.1%	-1.1%	14	13	-1
COHNREZNICK	\$93.8	\$70.9	\$23.0	32.4%	0.1%	0.1%	35.5%	15	14	-1
PLANTE MORAN	\$83.4	\$61.8	\$21.6	34.9%	0.1%	0.1%	38.0%	16	15	-1
BAKER TILLEY VIRCHOW KRAUSE	\$71.1	\$60.3	\$10.8	17.9%	0.1%	0.1%	20.7%	17	16	-1
MAYER HOFFMAN MCCANN	\$54.5	\$50.3	\$4.3	8.5%	0.1%	0.1%	11.0%	18	17	-1
CROWE HORWATH	\$46.4	\$43.2	\$3.3	7.5%	0.1%	0.1%	10.0%	19	19	0
WEAVER	\$43.2	\$30.8	\$12.4	40.3%	0.1%	0.0%	43.5%	20	22	2
FORVIS	\$41.5	\$0.0	\$41.5	0.0%	0.1%	0.0%	0.0%	21	607	586
MOSS ADAMS	\$40.6	\$35.8	\$4.9	13.7%	0.1%	0.0%	16.3%	22	21	-1
KREISCHER MILLER	\$38.4	\$48.7	-\$10.4	-21.3%	0.0%	0.1%	-19.5%	23	18	-5
SPICER JEFFERIES	\$38.3	\$37.8	\$0.5	1.3%	0.0%	0.0%	3.6%	24	20	-4
WITHUM SMITH BROWN	\$33.3	\$30.3	\$3.0	9.9%	0.0%	0.0%	12.4%	25	23	-2
TOP 25 AUDITORS	\$55,570.0	\$56,059.0	-\$489.0	-0.9%	72.0%	71.0%	1.4%			
ALL OTHER	\$554.0	\$515.8	\$38.2	7.4%	0.7%	0.7%	9.9%			
NOT REPORTED	\$1,913.4	\$1,794.6	\$118.8	6.6%	2.5%	2.3%	9.1%			
AUDITOR NOT REQUIRED	\$1,271.3	\$1,144.5	\$126.8	11.1%	1.6%	1.5%	13.6%			
UNATTRIBUTED	\$17,826.7	\$19,392.1	-\$1,565.3	-8.1%	23.1%	24.6%	-6.0%			
TOTAL RELATIONSHIPS	\$77,135.5	\$78,906.0	-\$1,770.6	-2.2%	100.0%	100.0%	0.0%			
TOTAL LINIOUE FUNDS	1	\$78 644 4		-2.2%	99 7%	99 7%	0.0%			

## Fund Auditor Peer Analysis – Global AUA - Growth and Market Share

### **Best and Worst Performing Peer Groups**

- Auditors ranked 5-10 registered the highest AuA growth
  - o AuA increased 41.38%, or 18.47x the market
  - Market share increased from 2.74% to 3.96%
    - An increase of 44.62%
- Auditors ranked 1-4 registered the lowest AuA growth
  - o AuA decreased 2.81%, or -1.25x the market
  - O Market share declined from 67.02% to 66.64%
    - A decrease of 0.58%

Peer Group Performance by Fund Assets											
Auditor	Y-Y	Growth	SOM	SOM	SOM	SOM					
Peer Group Analysis	Growth	vs-MKT	2023	2022	Change	Change %					
Market Growth Assest	-2.25%		100%	100%							
<b>Market Growth Relationships</b>	-2.24%		100%	100%							
Auditors Ranked 1-4	-2.81%	-1.25	66.64%	67.02%	-0.39%	-0.58%					
Auditors Ranked 5-10	41.38%	18.47	3.96%	2.74%	1.22%	44.62%					
Auditors Ranked 11-25	10.09%	4.51	1.45%	1.29%	0.16%	12.62%					
All Other Auditors	7.40%	3.30	0.72%	0.65%	0.06%	9.87%					
Not Reported	6.62%	2.96	2.48%	2.27%	0.21%	9.07%					

## 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.

## Additional Analytics Available for the Fund Auditor Segment

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

### Competitive Analysis (Business Development)

- o Compare your growth and market share to a defined peer group in multiple fund type segments
- o 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
- o Allows you to determine if you are getting your fair share of the change

### • Clients at Risk (Client Management)

O 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)

Onvergence 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 Auditor 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 Auditors.

#### US Funds and Assets

 Measures public and private funds and assets domiciled in the US that Convergence can attribute to one or more Fund Auditors.

#### 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 Auditors.

### Not Reported – Global – US – Non-US Funds and Assets

o 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.

### Not Applicable – Global – US – Non-US Funds and Assets

• 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 Funds and Assets

Measures public and private funds and assets domiciled in US and non-US locations that Convergence cannot attribute to one or more Fund Auditor at this time.

### 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 Auditors. While not common, a fund can have more than one Auditor.

### • Total Unique Funds

o Measures public and private funds and assets domiciled in US and non-US locations.

#### All Other Auditors

o Is a measure of funds and assets attributed to Fund Administrators ranked outside the Top 25.

## Disclaimer

The contents of this report are for informational and educational purposes only. This report is made available for the public good and the insights and comments contained herein (the "information") are based on data obtained on the relevant subject from regulatory filings and other third-party sources, unless otherwise specified. While Convergence takes steps to verify the accuracy and completeness of the information used, it makes no representation or warranty as to the accuracy of the underlying data we source.

This report does not constitute, nor should it be used to form, an opinion on the subject party's control environment. In addition, recipients are not to construe this report as legal, financial or tax advice.

This report is not part of, nor should it be construed as, any offer for sale or subscription of, or any invitation to offer to buy or subscribe for, any securities, nor should it, nor any part of it, form the basis of, or be relied on in any connection with, any contract or commitment whatsoever. Convergence expressly disclaims any and all responsibility for any direct or consequential loss or damage of any kind whatsoever arising directly or indirectly from: (i) the use of this report, (ii) reliance on any information contained herein, (iii) any error, omission or inaccuracy in any information contained herein or (iv) any action resulting from the information contained herein.

This report, and the insights, terms, marks and methods described herein, represents the intellectual property of Convergence and its recipient may not use or re-use any of its contents for commercial purposes and may not reproduce it, nor send it to any affiliate or third-party, without the written permission of Convergence.

Convergence, in its sole discretion, reserves the right to update and/or modify this Report, and the data contained therein, at any time when we receive, discover or add new information about the subject Manager and SEC action without future obligations. CONVERGENCE WARRANTS THAT THIS REPORT IS BASED ON CONVERGENCE'S REASONABLE EFFORTS TO COMPILE AND ANALYZE THE BEST SOURCES REASONABLY AVAILABLE TO CONVERGENCE AT ANY GIVEN TIME AND, THAT ANY OPINIONS REFLECT CONVERGENCE'S JUDGMENT AT THE TIME AND ARE SUBJECT TO CHANGE. THE FOREGOING WARRANTY IS IN LIEU OF ALL WARRANTIES, EXPRESS, OR IMPLIED, STATUTORY OR OTHERWISE, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND WARRANTIES AS TO ACCURACY, COMPLETENESS, OR ADEQUACY OF INFORMATION.

## 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 iphinney@convergenceinc.com



#### 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 gevans@convergenceinc.com



#### Eileen Cleary, President, Convergence Talent Management

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 ecleary@convergenceinc.com



#### 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

ggainer@convergenceinc.com

detzbach@convergenceinc.com



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



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



Carl Versella, Managing Director - Capital Markets



Goldman Sachs - Prime Brokerage, Morgan Stanley, Prime Brokerage, Director Client Service & Control. Tiger Management, Director of Middle Office Operations, Credit Suisse: Director of Hedge Fund Services, Rothstein Kass- Advisory Principal HC Associates, LLC - President and Chief Operating Officer

cversella@convergenceinc.com

