

# Integrated Capital Management

*A Disciplined Approach to Scientific Investing*

Presented to: The Philadelphia Council  
for Business Economics

Risk Premiums, Valuations, Mean  
Reversion & ETF Selection



Presented by: Michael A. Paciotti, CFA, Chief Investment Officer

Date: November 7, 2012



Integrated | Capital | Management



# Disclosure

Investors should seek the advice of their financial advisor prior to making any changes to their investment strategy or purchasing any securities. Investors should note that there are risks inherent in all investments, such as fluctuations in investment principal. Past performance of any index, investment or strategy cannot be relied on upon as a guarantee of future results.

There is no guarantee that a diversified portfolio will outperform a non-diversified portfolio in any given market environment. No investment strategy, such as asset allocation, can guarantee profit or protect against loss in periods of declining values. In general, bond markets are volatile, bond prices rise when interest rates fall and vice versa. This effect is usually pronounced for longer-term securities. Any fixed income security sold or redeemed prior to maturity may be subject to a substantial gain or loss. Investments in stocks of small companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. They involve investment risk, including possible loss of principal amount invested. Investment return and principal value may fluctuate so that the investment, when redeemed, may be worth more or less than the original cost.

This brochure is for informational purposes only and is not intended to and does not provide legal, tax, or investment advice.

The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes manager and ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement. iCM's fee does not include the internal management fees and operating expenses of the ETFs in which a client's account is invested, which are reflected in the performance information contained herein.

iCM's fees are disclosed in Part II of its Form ADV. The net effect of the deduction of iCM's fees on annualized performance, including the compounded effect over time, is determined by the relative size of the fee and the account's investment performance.

iCM is registered with the Securities and Exchange Commission as an investment adviser and acts as an investment adviser.





# Our Firm

---

## Firm History

- “Lift out” of the investment department from one of the nation’s largest mutual insurance companies.
- Our process was used to manage the \$775mm proprietary investment program since 2004.
- Our story and investment process begins nearly 17 years prior to that in one of the nation’s largest pension departments.
- Contrarian value oriented philosophy and the belief that inefficiencies exist across asset classes and other common factor beta exposures.

## What Makes Us Different

- Contrarian valuation driven process vs. relative strength or momentum based.
- Low Turnover, Lightly Traded
- **We are use ETFs and we are without a doubt Active Managers!**





## Our Investment Philosophy

---

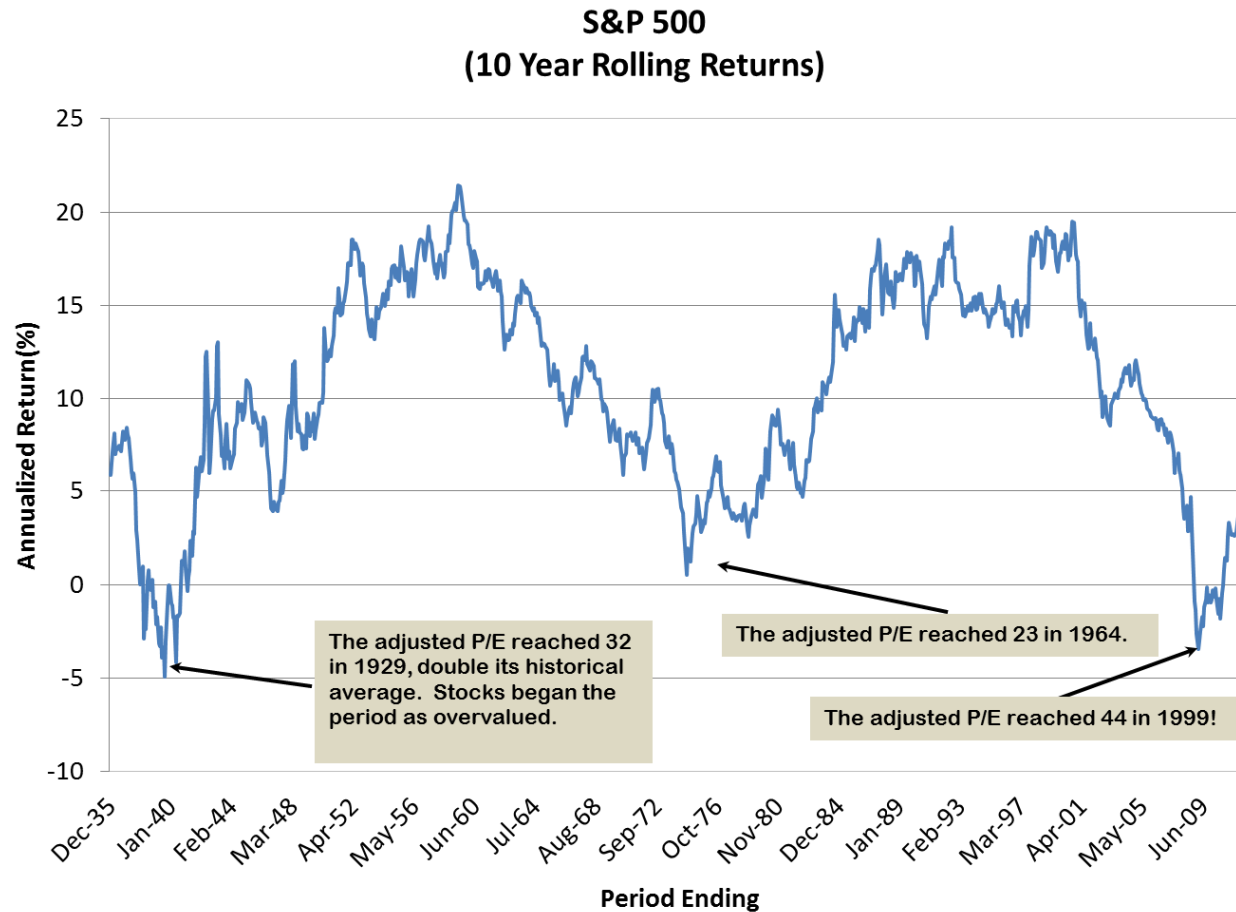
- Risk premiums are time period dependent
- Everything important in making an investment decision exhibits a mean reverting quality.
- Risk capital is in fixed supply, buy assets where the level of reward is sufficient for the given level of risk.
- Successful investing requires conviction and discipline.

Valuations Matter!





# Do Valuations Matter?



The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.





## Valuations drive returns, why not pay attention?

iCM incorporates core beliefs into its management process with perhaps the most important being that valuations drive long-term returns as illustrated on the TABLE below.

Using our proprietary asset class valuation models applied to the US Equity market, we can see that valuations clearly influence returns on a forward looking basis.

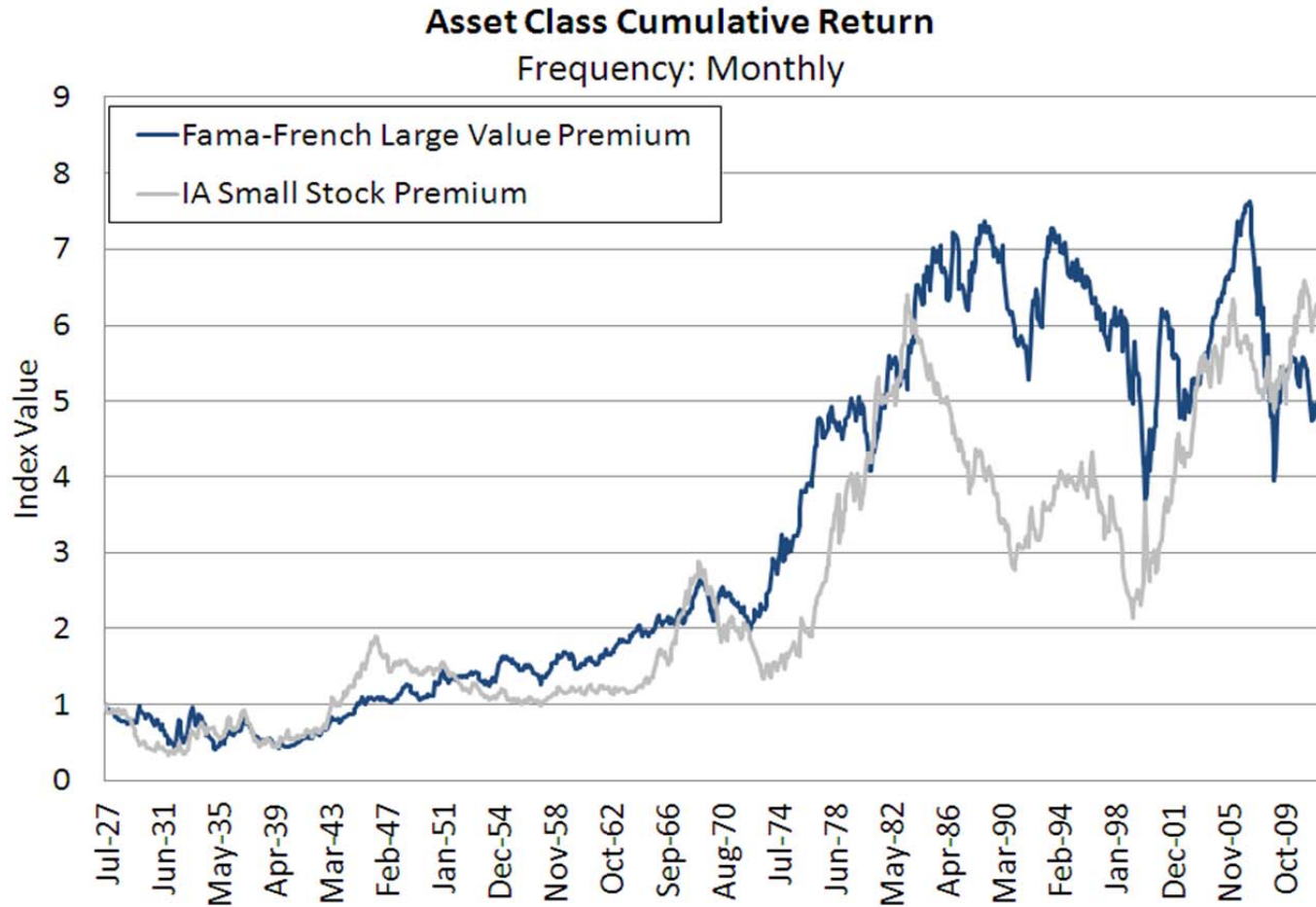
| Quintile | Adjusted P/E | Average 10 Year Forward Return | Standard Deviation of Returns | -2 St Dev | -1 St Dev | +1 St Dev | +2 St Dev |
|----------|--------------|--------------------------------|-------------------------------|-----------|-----------|-----------|-----------|
| 1        | 26.95        | 3.61                           | 4.13                          | -4.65     | -0.52     | 7.74      | 11.87     |
| 2        | 18.73        | 8.92                           | 3.81                          | 1.3       | 5.11      | 12.73     | 16.54     |
| 3        | 15.24        | 11.63                          | 4.5                           | 2.63      | 7.13      | 16.13     | 20.63     |
| 4        | 11.9         | 13.77                          | 3.56                          | 6.65      | 10.21     | 17.33     | 20.89     |
| 5        | 9.31         | 15.51                          | 3.18                          | 9.15      | 12.33     | 18.69     | 21.87     |
| Average  | 16.42        | 10.68                          | 5.67                          | -0.66     | 5.01      | 16.35     | 22.02     |

The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.





# Risk Premiums – Fama French At Their Finest!

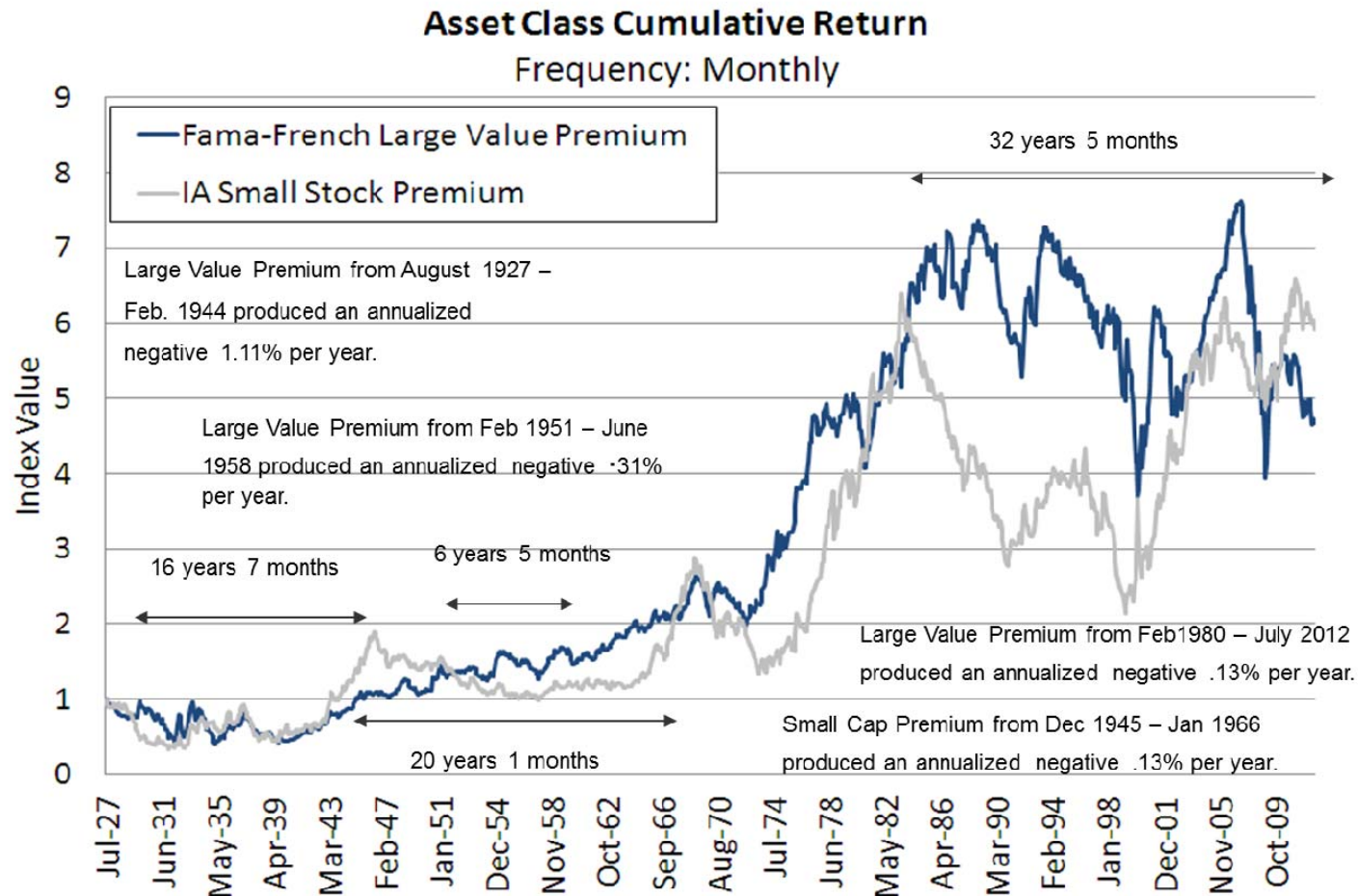


The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.





# Risk Premiums – Fama French, the Fine Print



The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.







## Valuations drive relative returns, definitely pay attention!

| Excess Returns                   |                  |                 |                      |                       |
|----------------------------------|------------------|-----------------|----------------------|-----------------------|
|                                  | Small vs Large   | Value vs Growth | Int'l vs Domestic    | HY Corporate vs Gov't |
| Least Expensive                  | 4.27             | 5.28            | 4.46                 | 5.3                   |
| Below Average Valuation          | 0.82             | 1.84            | 4.5                  | 3.83                  |
| Above Average Valuation          | -3.47            | -0.91           | -5.7                 | -0.1                  |
| Most Expensive                   | -2.56            | -0.88           | -12.26               | -1.94                 |
| Avg. Valuation Premium(Discount) | 24%              | -34%            | -6%                  | 481bps                |
| Current Premium(Discount)        | 72%              | -31%            | -17%                 | 600bps                |
| <b>Favors</b>                    | <b>Large Cap</b> | <b>Neutral</b>  | <b>International</b> | <b>Neutral</b>        |

| Frequency of Positive Risk Premium |                  |                 |                      |                       |
|------------------------------------|------------------|-----------------|----------------------|-----------------------|
|                                    | Small vs Large   | Value vs Growth | Int'l vs Domestic    | HY Corporate vs Gov't |
| Least Expensive                    | 80%              | 83%             | 83%                  | 95%                   |
| Below Average Valuation            | 51%              | 63%             | 87%                  | 86%                   |
| Above Average Valuation            | 29%              | 43%             | 33%                  | 57%                   |
| Most Expensive                     | 26%              | 46%             | 8%                   | 36%                   |
| Overall                            | 42%              | 62%             | 60%                  | 72%                   |
| <b>Favors</b>                      | <b>Large Cap</b> | <b>Neutral</b>  | <b>International</b> | <b>Neutral</b>        |

The performance information does not reflect the deduction of advisory fees payable to iCM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. iCM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.





## Mean Reversion at its Finest!

| Overweight                 | Underweight      | Date Undervalued | Date Overvalued | Holding Period | +/- Benchmark Return |
|----------------------------|------------------|------------------|-----------------|----------------|----------------------|
| Emerging Markets Eq        | S&P 500          | Jan-01           | Sep-07          | 81 months      | +295.87%             |
| International Developed Eq | S&P 500          | Jun-01           | Sep-07          | 75 months      | +70.01%              |
| US IG Corporate            | Barcap Aggregate | Oct-08           | Present         | 48 months      | +25.70%              |
| US High Yield              | Barcap Aggregate | Sep-08           | Jan-11          | 28 months      | +25.66%              |
| US Large Growth            | US Large Value   | Apr-06           | Nov-11          | 68 months      | +21.12%              |
| S&P 500                    | Commodities      | Oct-04           | Jul-10          | 70 months      | +9.81%               |
| US Large Cap               | US Small Cap     | Apr-06           | Present         | 78 months      | +8.21%               |
| Corp/Mortgages             | Barcap Aggregate | Apr-10           | Present         | 30 months      | +7.01%               |
| Barcap Aggregate           | US High Yield    | Oct-04           | Sep-08          | 48 months      | +6.06%               |
| Municipal Bonds            | Barcap Aggregate | Jan-11           | Present         | 21 months      | +5.26%               |
| US Quality Equity          | S&P 500          | Apr-06           | Mar-09          | 36 months      | +5.01%               |
| US Quality Equity          | S&P 500          | Nov-09           | Present         | 35 months      | -2.28%               |
| Curve Flattener            | Barcap Aggregate | Aug-10           | Present         | 26 months      | -16.93%              |
| Commodities                | S&P 500          | Aug-10           | Present         | 26 months      | -26.15%              |
| S&P 500                    | REITs            | Oct-04           | Present         | 96 months      | -36.07%              |

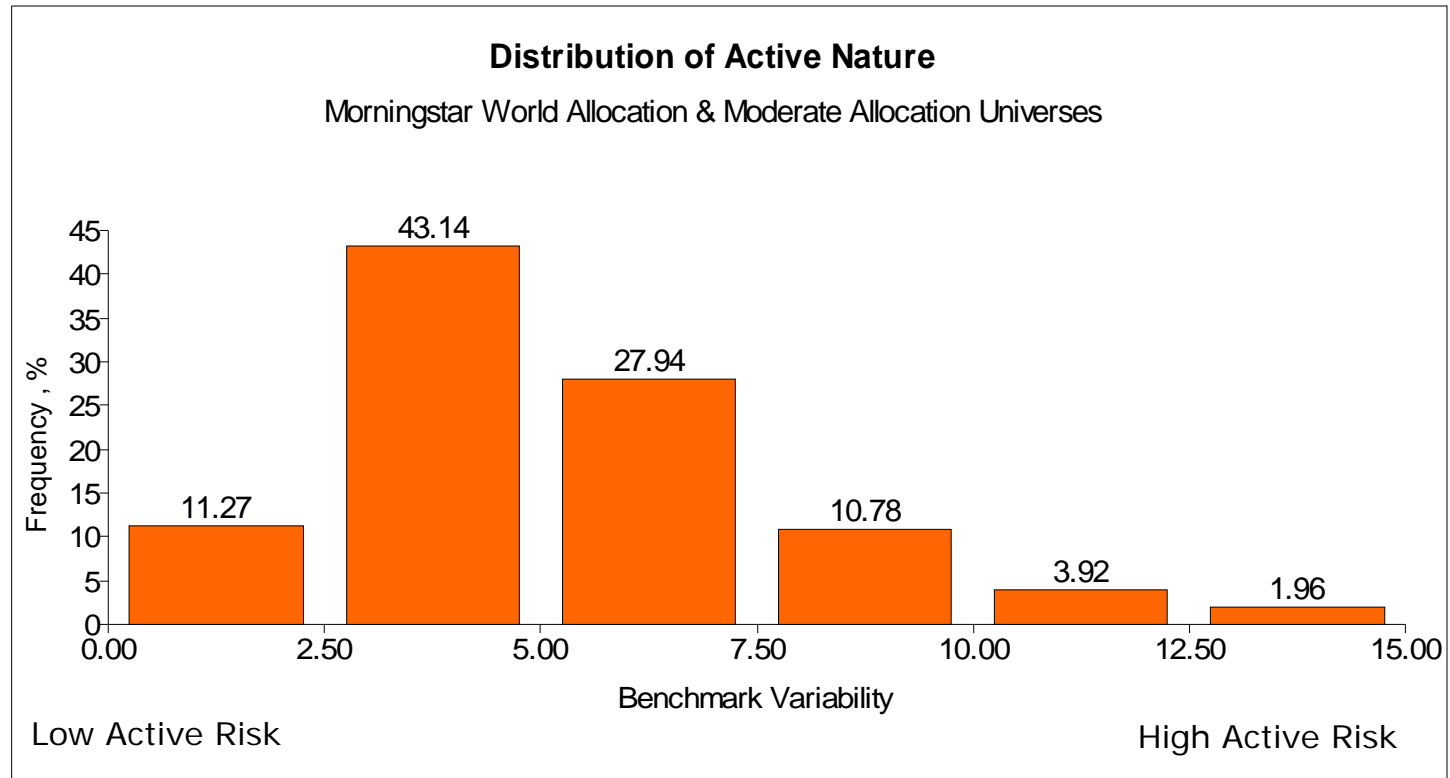
- Average duration is 47.68 months
- Median non-allocation weighted excess return is 7.01%

The performance information does not reflect the deduction of advisory fees payable to ICM and any other expenses for services not covered by the advisory fee that an investor may incur, which will reduce a client's return. ICM charges one comprehensive fee for investment management services, which includes ETF due diligence and asset allocation decisions. Custody fees and trading expenses may add to overall expenses depending on the client custody arrangement.





# Active Management Quantified



Created with mpi Stylus

- Active Risk is the degree to which a manager is active or will statistically stray from the stated benchmark
- A manager with an active risk of 2 will typically generate performance +/- 2% of the benchmark (assuming alpha is zero)

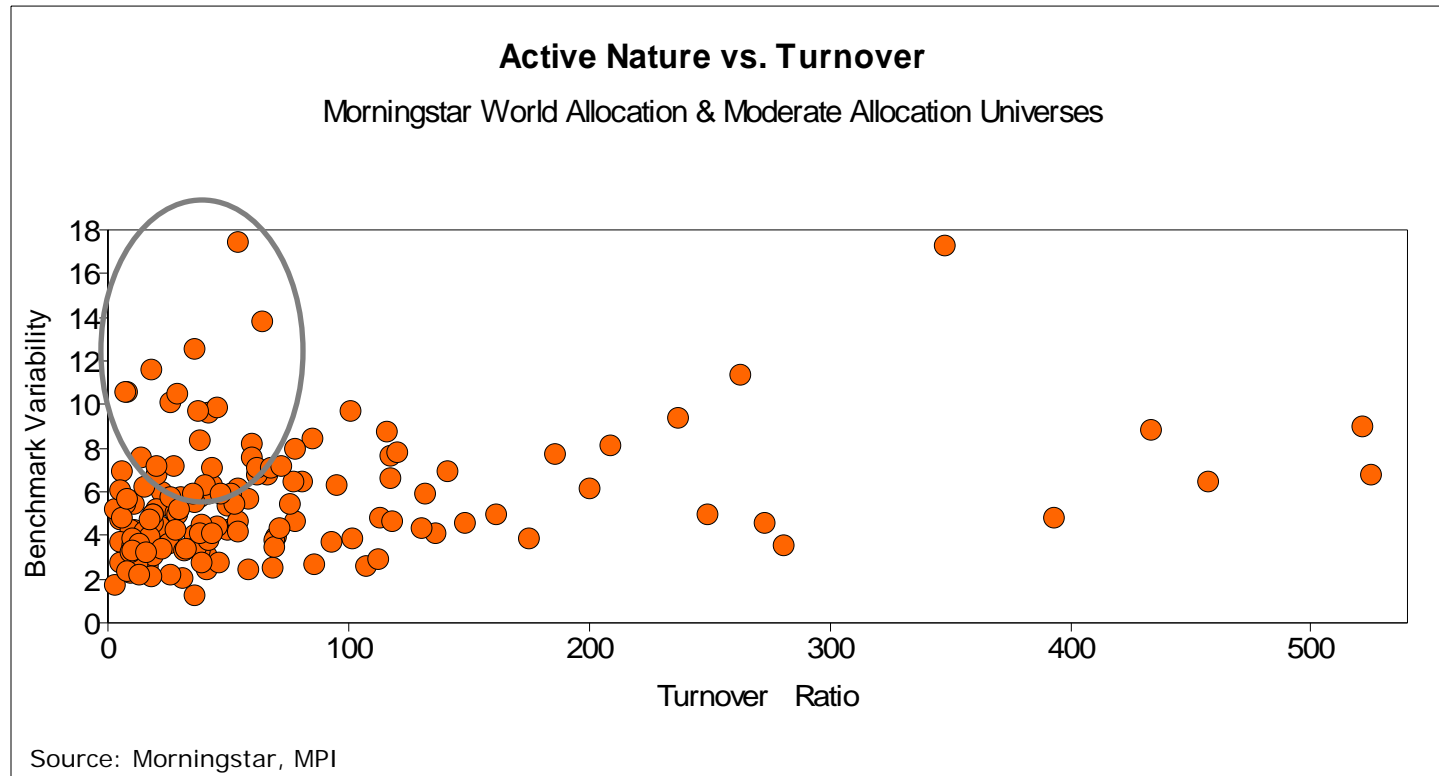
Index performance does not reflect the deduction of any fees and expenses, and if deducted, performance would be reduced. Indexes are unmanaged and investors are not able to invest directly into any index. Past performance cannot guarantee future results.



Integrated Capital Management



## Active Management $\neq$ High Turnover



Created with mpi Stylus

- Turnover does not equate to active risk. To add active risk one must invest differently than the benchmark.
- The outliers are usually the result of misspecified benchmarks or that makes meaningful active bets against the benchmark not heavy trading.
- Correlation Coefficient .38, R squared of .14



Integrated Capital Management