

Large Cap Growth Category Overview

Large Cap Growth - Russell 1000 Growth (R1kG) - 12/31/2022

- Diversified Fund Criteria: any allocation above 5% can't sum to more than 25%
 - Apple, Microsoft, and Alphabet = **27%** of R1kG
 - % of R1kG in top 10 names= **43.3%**
- Performance of index driven by these top names
- These mega cap names have outperformed in bull markets while also protecting in 2020 down markets:

| Stock | Weight in R1kG (%) | 5 Year ANNUALIZED Return (%) |
|-------------------------|--------------------|-------------------------------------|
| Apple | 11.41% | 25.93% |
| Microsoft | 10.48% | 23.96% |
| Alphabet | 5.11% | 10.87% |
| Amazon | 4.36% | 7.51% |
| Tesla | 1.86% | 42.78% |
| Nvidia | 2.06% | 24.88% |
| R1k G | | 10.97 |
| R1k G ex. AMAATN | | 7.74 |

| Time Period | Russell 1kG | Russell 1kG ex. AMAATN |
|---|-------------|------------------------|
| Bull market (2021) | 27.60% | 19.61% |
| Up and Down Markets (1/1/2020 – 12/30/2022) | 7.79% | 4.68% |

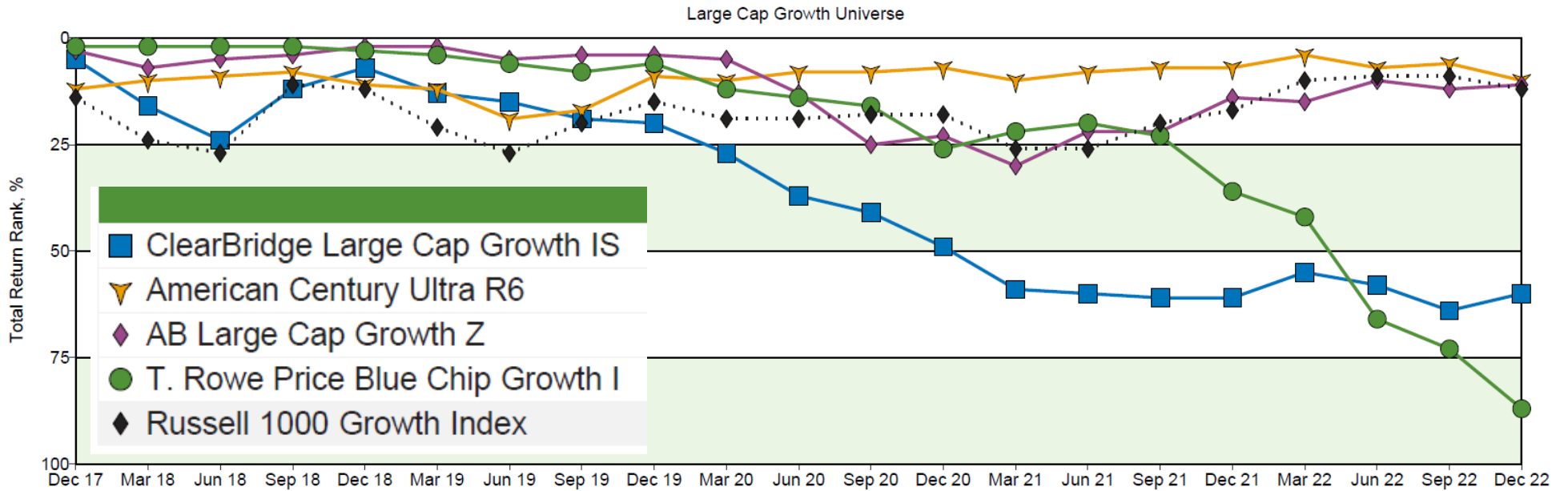
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Active Managers in Large Cap Growth

- 88% of Large Cap Growth managers have underperformed the index over the last 5 years

Rolling 5 Year Return Rank

20 quarter rolling windows, Jan 13 - Dec 22



Asset Class Definitions

Conservative (CON): a diversified asset allocation strategy including equity with an emphasis on fixed income. Demonstrates a lower overall volatility (risk) level when compared to the other asset allocation categories.

Moderate Conservative (MC): a diversified asset allocation strategy including equity and fixed income. Demonstrates a higher overall volatility (risk) level when compared to CON, but lower volatility level when compared to MOD, MA and AGG.

Moderate (MOD): a diversified asset allocation strategy including equity and fixed income. Demonstrates a higher overall volatility (risk) level when compared to CON and MC, but lower volatility level when compared to MA and AGG.

Moderate Aggressive (MA): a diversified asset allocation strategy including equity and fixed income. Demonstrates a higher overall volatility (risk) level when compared to CON, MC, and MOD, but lower volatility level when compared to AGG.

Aggressive (AGG): a diversified asset allocation strategy including fixed income with an emphasis on equity. Demonstrates a higher overall volatility (risk) level when compared to the other asset allocation categories.

Large Cap Value (LCV): large capitalization companies who have lower prices in relation to their earnings or book value.

Large Cap Blend (LCB): large capitalization companies who display both value and growth like characteristics.

Large Cap Growth (LCG): large capitalization companies who have higher prices relative to their earnings or book value, generally due to a higher forecasted or expected growth rate.

Mid Cap Value (MCV): mid-capitalization companies who have lower prices in relation to their earnings or book value.

Mid Cap Blend (MCB): mid-capitalization companies who display both value and growth-like characteristics.

Mid Cap Growth (MCG): mid-capitalization companies who have higher prices relative to their earnings or book value, generally due to a higher expected growth rate.

SMID Cap Value (SMCV): small-mid capitalization companies who have lower prices in relation to their earnings or book value.

SMID Cap Blend (SCB): small-mid capitalization companies who display both value and growth like characteristics.

SMID Cap Growth (SCG): small-mid capitalization companies who have higher prices relative to their earnings or book value, generally due to a higher forecasted or expected growth rate.

Small Cap Value (SCV): small capitalization companies who have lower prices in relation to their earnings or book value.

Small Cap Blend (SCB): small capitalization companies who display both value and growth like characteristics.

Small Cap Growth (SCG): small capitalization companies who have higher prices relative to their earnings or book value, generally due to a higher forecasted or expected growth rate.

International Large Cap Value (ILCV): primarily large capitalization foreign companies displaying both value-like characteristics.

International Large Cap Blend (ILCB): primarily large capitalization foreign companies displaying both value and growth-like characteristics.

International Large Cap Growth (ILCG): primarily large capitalization foreign companies displaying both growth-like characteristics.

International Equity (IE): primarily large capitalization foreign companies displaying both value and growth-like characteristics domiciled in developed and emerging markets.

International Small-Mid Cap Value (ISMV): primarily small and mid capitalization foreign companies displaying both value-like characteristics.

International Small-Mid Cap Growth (ISMG): primarily small and mid capitalization foreign companies displaying both growth-like characteristics.

Emerging Market Equity (EME): foreign companies in countries that are not considered to have fully developed markets or economies.

Global Equity (GE): large capitalization domestic and foreign companies displaying both value and growth-like characteristics.

Core Fixed Income (CFI): domestic fixed income securities representing a broad array of fixed income securities including government, credit and mortgage-backed securities.

Intermediate Government (IG): domestic Government or Government-backed fixed income securities.

U.S. Government TIPS (UGT): treasury inflation protected securities which are Government securities designed to offer inflation protection by adjusting the principal based on changes in the Consumer Price Index.

Short-Term Bond (STB): a broad array of fixed income securities that have short durations and/or maturities (typically 1-3 years).

High Yield (HY): below investment grade domestic fixed income securities, which have a higher likelihood of default.

Global Fixed Income (GFI): a broad array of fixed income securities across many different countries.

Multisector Bond (MB): a broad array of fixed income securities across many different sectors including domestic government, corporate, sovereign and emerging markets debt. They generally have few limitations when it comes to domicile, sectors, maturities or credit ratings.

Specialty Fixed Income (SFI): a particular segment of the stock market focused on utility companies.

Stable Value (SV): a conservative fixed income strategy that is designed to preserve capital.

Money Market (MM): conservative, short-term oriented money market securities.

Guaranteed Investment Contract (GIC): products that have some type of guarantee from the issuer or provider.

REIT (RE): real estate securities traded on a stock exchange.

Technology (TEC): a particular segment of the stock market focused on technology related companies.

Natural Resources (NR): a particular segment of the stock market focused on natural resource related companies.

HealthCare (HC): a particular segment of the stock market focused on healthcare related companies.

Communication (COM): a particular segment of the stock market focused on communications related companies.

Financial Services (FS): a particular segment of the stock market focused on financial services companies.

Utilities (UTI): a particular segment of the stock market focused on utility companies.

Specialty (SPC): a unique area of the market.

-P: Asset Class abbreviations with a "-P" after the abbreviation indicate that the strategy was classified as passively managed. When not indicated, all other strategies are classified as actively managed and/or asset allocation.

Investment Risk Disclosures

Consider the investment objectives, risks and charges and expenses of the investment company carefully before investing. The prospectus contains this and other information about the investment company. Please contact your advisor for the most recent prospectus. Prospectus should be read carefully before investing.

International/Emerging Markets: The investor should note that funds that invest in international securities involve special additional risks. These risks include, but are not limited to, currency risk, political risk, and risk associated with varying accounting standards. Investing in emerging markets may accentuate these risks.

Sector Funds: The investor should note that funds that invest exclusively in one sector or industry involve additional risks. The lack of industry diversification subjects the investor to increased industry-specific risks.

Non-Diversified Funds: The investor should note that funds that invest more of their assets in a single issuer involve additional risks, including share price fluctuations, because of the increased concentration of investments.

Small-Cap Stocks: The investor should note that funds that invest in stocks of small cap companies involve additional risks. Smaller companies typically have a higher risk of failure, and are not as well established as larger blue-chip companies. Historically, smaller-company stocks have experienced a greater degree of market volatility than the overall market average.

Mid-Cap Stocks: The investor should note that funds that invest in companies with market capitalization below \$10 billion involve additional risks. The securities of these companies may be more volatile and less liquid than the securities of larger companies.

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High-Yield Bonds: The investor should note that funds that invest in lower-rated debt securities (commonly referred to as junk bonds) involve additional risks because of the lower credit quality of the securities in the portfolio. The investor should be aware of the possible higher level of volatility, and increased risk of default.

Bond/Fixed Income Funds: The investor should note that funds that invest in bonds (fixed income securities), including government, corporate and mortgage-backed securities, involve additional risks. Interest rate risk may cause bonds to lose their value. The investor should be aware that it is possible in a rising rate environment for investment grade bond strategies to lose value and experience negative returns over certain time periods.

Stable Value Funds: The investor should note that these funds invest in short to intermediate term securities that can and may lose value. These funds, while managed to protect principal, do not guarantee the investor's principal, nor are they insured or guaranteed by the FDIC or any other government agency.

Money Market Funds: The investor should note that these funds invest in short term securities that can and may lose value. These funds, while managed to protect principal, do not guarantee the investor's principal, nor are they insured or guaranteed by the FDIC or any other government agency.

Guaranteed Investment Contract (GIC): Contract that guarantees the repayment of principal and a fixed or floating rate over a specified period of time. The guarantee is backed by the provider, typically an insurance company.

Index Disclosures

Performance of indexes reflects the unmanaged result for the market segment the selected stocks represent. Indexes are unmanaged and not available for direct investment.

Citigroup Corporate Bond is an index which serves as a benchmark for corporate bond performance. You cannot invest directly in an index.

Citigroup Mortgage Master is an index which serves as a benchmark for U.S. mortgage-backed securities performance.

Citigroup WGBI Index is an index which serves as a benchmark for global bond performance, including 22 different government bond markets.

Credit Suisse High Yield Index is an unmanaged, trader priced index constructed to mirror the characteristics of the high yield bond market.

Bloomberg Barclays U.S. Aggregate Bond (BB Aggregate Bond) represents securities that are U.S., domestic, taxable, and dollar denominated. The index covers the U.S. investment grade fixed rate bond market, with index components for government and corporate securities, mortgage pass-through securities, and asset-backed securities. These major sectors are subdivided into more specific indices that are calculated and reported on a regular basis.

BC Credit Bond Index includes publicly issued U.S. corporate and specified foreign debentures and secured notes that meet the specified maturity, liquidity, and quality requirements. To qualify, bonds must be SEC-registered.

BC U.S. Corporate Investment Grade represents investment grade corporate securities that are U.S., domestic, taxable, and dollar denominated.

BC High Yield Corporate Bond represents below investment grade corporate securities that are U.D., domestic, taxable, and dollar denominated.

BC TIPS Index includes publicly issued U.S. government treasury inflation protected securities that meet the specified maturity, liquidity and other requirements.

BC Mortgage-Backed Securities covers agency mortgage-backed pass-through securities (both fixed-rate and hybrid ARMs) issued by Ginnie Mae (GNMA), Fannie Mae (FNMA), and Freddie Mac (FHLMC).

BC Muni Bond covers the USD-denominated long term tax exempt bond market with four main sectors: state and local general obligation bonds, revenue bonds, insured bonds, and pre-refunded bonds.

BC Government Index includes publicly issued U.S. government securities that meet the specified maturity, liquidity and other requirements.

BarCap U.S. Aggregate 1-3 Yr. TR USD Index represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 1-3 years.

BarCap U.S. Aggregate 3-5 Yr. TR USD Index represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 3-5 years.

BarCap U.S. Aggregate 5-7 Yr. TR USD Index represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 5-7 years.

BarCap U.S. Aggregate 7-10 Yr. TR USD Index represents securities in the BC U.S. Aggregate Index that have maturity dates over the next 7-10 years.

BarCap U.S. Aggregate 10+ Yr. TR USD Index represents securities in the BC U.S. Aggregate Index that have maturity dates over 10 years.

DJW 5000 (Full Cap) Index measures the performance of all U.S. common equity securities, and serves as an index of all stock trades in the U.S.

MSCI FI Emerging Markets is a rules-based index which serves as a benchmark for emerging country fixed income performance.

MSCI FI EAFE International is a rules-based index which serves as a benchmark for developed international country fixed income performance.

MSCI EAFE Index is listed for foreign stock funds (EAFE refers to Europe, Australia and Far East). Widely accepted as a benchmark for international stock performance, it is an aggregate of 21 individual country indexes.

MSCI EAFE Large Value represents the large cap value stocks within the MSCI EAFE Index. **MSCI EAFE Large Growth** represents the large cap growth stocks within the MSCI EAFE Index.

MSCI EAFE Mid Value represents the mid cap value stocks within the MSCI EAFE Index. **MSCI EAFE Mid Growth** represents the mid cap growth stocks within the MSCI EAFE Index.

MSCI EAFE Small Value represents the small cap value stocks within the MSCI EAFE Index. **MSCI EAFE Small Growth** represents the small cap growth stocks within the MSCI EAFE Index.

MSCI EM (Emerging Markets) Index serves as a benchmark for each emerging country. The average size of these companies is (U.S.) \$400 million, as compared with \$300 billion for those companies in the World index.

MSCI World Index is a rules-based index that serves as a benchmark for the developed global equity markets.

MSCI Europe ex UK Index is a rules-based index that serves as a benchmark for Europe's equity markets, excluding the United Kingdom.

MSCI Pacific ex Japan Index is a rules-based index that serves as a benchmark for Asia Pacific's equity markets, excluding Japan.

MSCI United Kingdom Index is a rules-based index that serves as a benchmark for the United Kingdom's equity markets.

MSCI Japan is a rules-based index that serves as a benchmark for Japan's equity markets.

NAREIT All REIT Index includes all tax-qualified REITs with common shares that trade on the New York Stock Exchange the American Stock Exchange or the NASDAQ National Market List.

3-Month T-Bills (90 Day T-Bill Index) are government-backed, short-term investments considered to be risk-free and as good as cash because the maturity is only three months.

Russell 1000 Growth Index is a market-capitalization weighted index of those firms in the Russell 1000 with higher price-to-book ratios and higher forecasted growth values.

Russell 1000 Value Index is a market-capitalization weighted index of those firms in the Russell 1000 with lower price-to-book ratios and lower forecasted growth values.

Russell Top 200 Growth Index is a market-capitalization weighted index of those firms in the Russell Top 200 with higher price-to-book ratios and higher forecasted growth values.

Russell Top 200 Value Index is a market-capitalization weighted index of those firms in the Russell Top 200 with lower price-to-book ratios and lower forecasted growth values.

Russell 2000 Growth Index is a market-weighted total return index that measures the performance of companies within the Russell 2000 Index having higher price-to-book ratio and higher forecasted growth values.

Russell 2000 Index consists of the smallest 2000 companies in the Russell 3000 Index, representing approximately 7% of the Russell 3000 total market capitalization.

Russell 2000 Value Index is a market-weighted total return index that measures the performance of companies within the Russell 2000 Index having lower price-to-book ratio and lower forecasted growth values.

Index Disclosures

Russell MidCap Growth Index is a market-weighted total return index that measures the performance of companies within the Russell MidCap Index having higher price-to-book ratio and higher forecasted growth values.

Russell MidCap Index includes firms 201 through 1000, based on market capitalization, from the Russell 3000 Index.

Russell MidCap Value Index is a market-weighted total return index that measures the performance of companies within the Russell MidCap Index having lower price-to-book ratio and lower forecasted growth values.

Russell Top 200 Index consists of the 200 largest securities in the Russell 3000 Index.

Russell 3000 Index is a market capitalization weighted index, consisting of 3,000 U.S. common equity securities, reflective of the broad U.S. equity market.

Salomon 1-10 Yr. Governments is an index which serves as a benchmark for U.S. Government bonds with maturities ranging from 1 to 10 years.

S&P 500 Index measures the performance of the largest 500 U.S. common equity securities, and serves as an index of large cap stocks traded in the U.S.

S&P 500 Energy Index measures the performance of the energy sector in the S&P 500 Index.

S&P 500 Industrials measures the performance of the industrial sector in the S&P 500 Index.

S&P 500 Financials measures the performance of the financials sector in the S&P 500 Index.

S&P 500 Utilities measures the performance of the utilities sector in the S&P 500 Index.

S&P 500 Consumer Discretionary Index measures the performance of the consumer discretionary sector in the S&P 500 Index.

S&P 500 Consumer Staples Index measures the performance of the consumer staples sector in the S&P 500 Index.

S&P 500 Information Technology measures the performance of the information technology sector in the S&P 500 Index.

S&P 500 Materials measures the performance of the materials sector in the S&P 500 Index.

S&P 500 Health Care measures the performance of the health care sector in the S&P 500 Index.

S&P 500 Telecommunications Services Index measures the performance of the telecommunications services sector in the S&P 500 Index.

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