The value proposition of advice is changing. The nature of what investors expect from advisers is changing. And, fortunately, the tools available to advisers are evolving as well.

In creating the Vanguard Adviser’s Alpha™ concept for the U.S. market in 2001, we outlined how advisers could add value, or alpha, through relationship-oriented services such as providing cogent wealth management via financial planning, discipline, and guidance, rather than by trying to outperform the market.

Since then, our work in support of the concept has continued. This paper takes the Adviser’s Alpha framework further by attempting to quantify the benefits that advisers can add in an Australian context relative to others who are not using such strategies. Each of these strategies can be used individually or in combination, depending on the strategy.

We believe implementing the Vanguard Adviser’s Alpha framework may add “about 3%” in net returns for your clients and also allows you to differentiate your skills and practice.

Acknowledgment: This paper is the most recent update of Vanguard research first published in 2014 under the same title. For additional information on the Vanguard Advisor’s Alpha framework, see The Evolution of Vanguard Advisor’s Alpha®. From Portfolios to People (2018) by Donald G. Bennyhoff, Francis M. Kinniry Jr., and Michael DiJoseph.
The value proposition for advisers has always been easier to describe than to define. In a sense, that is how it should be, as value is a subjective assessment and necessarily varies from individual to individual. However, some aspects of investment advice lend themselves to an objective quantification of their potential added value, albeit with a meaningful degree of conditionality. At best, we can only estimate the “value-add” of each tool, because each is affected by the specific client and market environments to which it is applied.

As the financial advice industry continues to gravitate toward fee-based advice, there is a great temptation to define an adviser’s value-add as an annualised number. Again, this may seem appropriate, as fees deducted annually for the advisory relationship could be justified by the “annual value-add.” However, although some of the strategies we describe here could be expected to yield an annual benefit—such as reducing expected investment costs or taxes—the most significant opportunities to add value do not present themselves consistently, but intermittently over the years, and often during periods of either market duress or euphoria.

These opportunities can pique an investor’s fear or greed, tempting them to abandon a well thought-out investment plan. In such circumstances, the adviser may have the opportunity to add tens of percentage points of value-add, rather than mere basis points,¹ and may more than offset years of advisory fees. And while the value of this wealth creation is certainly real, the difference in your clients’ performance if they stay invested according to your plan, as opposed to abandoning it, does not show up on any client statement. An infinite number of alternate histories might have happened had we made different decisions; yet, we only measure and/or monitor the implemented decision and outcome, even though the other histories were real alternatives. For instance, most client statements don’t keep track of the benefits of talking your clients into “staying the course” in the midst of a bear market or convincing them to rebalance when it doesn’t “feel” like the right thing to do at the time. We don’t measure and show these other outcomes, but their value and impact on clients’ wealth creation is very real, nonetheless.

The quantifications in this paper compare the projected results of a portfolio that is managed using well-known and accepted best practices for wealth management with those that are not. Obviously, the way assets are actually managed versus how they could have been managed will introduce significant variance in the results.

Believing is seeing

What makes one car with four doors and wheels worth $300,000 and another $30,000? Although we might all have an answer, that answer likely differs from person to person. Vanguard Adviser’s Alpha is similarly difficult to define consistently. For some investors without the time, willingness, or ability to confidently handle their financial matters, working with an adviser may be a matter of peace of mind: They may simply prefer to spend their time doing something—anything—else. Maybe they feel overwhelmed by product proliferation in the managed funds industry, with an increasing number of new options available, especially exchange traded funds (ETFs). While virtually impossible to quantify, in this context the value of an adviser is very real to clients. This aspect of an adviser’s value proposition, and our efforts here to measure it, should not be negatively affected by the inability to objectively quantify it. By virtue of the fact that the overwhelming majority of managed fund assets are advised, investors have already indicated that they strongly value professional investment advice. We don’t need to see oxygen to feel its benefits.

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¹ One basis point equals 1/100 of a percentage point.

Notes on risk and performance data: All investments, including a portfolio’s current and future holdings, are subject to risk, including the possible loss of the money you invest. Past performance is no guarantee of future returns. The performance of an index is not an exact representation of any particular investment, as you cannot invest directly in an index. Diversification does not ensure a profit or protect against a loss in a declining market. There is no guarantee that any particular asset allocation or mix of funds will meet your investment objectives or provide you with a given level of income. Be aware that fluctuations in the financial markets and other factors may cause declines in the value of your account. Bond funds are subject to the risk that an issuer will fail to make payments on time, and that bond prices will decline because of rising interest rates or negative perceptions of an issuer’s ability to make payments. While U.S. Treasury or government-agency securities provide substantial protection against credit risk, they do not protect investors against price changes due to changing interest rates. U.S. government backing of Treasury or agency securities applies only to the underlying securities and does not prevent share-price fluctuations.
Investors who prepare their own tax returns have probably wondered whether a tax expert might do a better job. Are you really saving money by doing your own tax, or might a tax expert save you from paying more tax than necessary? Would you not use a tax expert just because he or she couldn’t tell you in advance how much you would save in taxes? If you believe an expert can add value, you see value, even if the value can’t be well quantified in advance. The same reasoning applies to other household services that we pay for—such as painting, house cleaning, or landscaping; these can be considered “negative carry” services, in that we expect to recoup the fees we pay largely through emotional, rather than financial, means. You may well be able to wield a paint brush, but you might want to spend your limited free time doing something else. Or, maybe like many of us, you suspect that a professional painter will do a better job. Value is in the eye of the beholder.

It is understandable that advisers would want a less abstract or less subjective basis for their value proposition. Investment performance thus seems the obvious, quantifiable value-add to focus on. For advisers who promise better returns, the question is: Better returns than what? Better returns than those of a benchmark or “the market”? Not likely, as evidenced by the historical track record of active fund managers, who tend to have experience and resources well in excess of those of most advisers, yet have failed to consistently outperform benchmarks in pursuit of excess returns (see Rowley, Walker, and Ning, 2018). Better returns than those provided by an adviser or investor who doesn’t use the value-added practices described here? Probably, as we discuss in the sections following.

Indeed, investors have already hinted at their thoughts on the value of market-beating returns: Over the past five years, cash flows have been increasingly going into broad-based index funds and ETFs, rather than higher-cost actively managed funds. For example, over the five years ending December 2017, equity index penetration (incorporating indexed and ETFs) has increased to 28% (from 21% in December 2012). In essence, investors have on average chosen investments that are generally structured to match their benchmark’s return, less management fees. In other words, investors seem to feel there is great value in investing in managed funds whose expected returns trail, rather than seek to outperform, their benchmarks’ returns.

Why would they do this? Ironically, their approach is sensible, even if “better performance” is the overall goal. Better performance compared to what? Better than the average managed fund investor in comparable investment strategies. Although index funds should not be expected to beat their benchmark, over the long term they can be expected to better the return of the average managed fund investor in their benchmark category, because of their lower average cost (Rowley, Walker, and Ning, 2018). A similar logic can be applied to the value of advice: Paying a fee for advice and guidance to a professional who uses the tools and tactics described here can add meaningful value compared to the average investor experience, currently advised or not.

We are in no way suggesting that every adviser—charging any fee—can add value, but merely that advisers can add value if they understand how they can best help investors. Similarly, we cannot hope to define here every avenue for adding value. For example, charitable-giving strategies, key-person insurance, or business-continuation planning can all add tremendous value given the right circumstances, but they certainly do not accurately reflect the “typical” investor experience. The framework for advice that we describe in this paper can serve as the foundation upon which an Adviser’s Alpha can be constructed.

Figure 1 is a high-level summary of tools covering the range of value we believe advisers can add by incorporating wealth-management best practices. (These six modules are detailed in the section “Vanguard Adviser’s Alpha Quantification Modules” starting on page 8.) Based on our analysis, advisers may potentially add “about 3%” in net returns by using the Vanguard Adviser’s Alpha framework. Because clients only get to keep, spend, or bequeath net returns, the focus of wealth management should always be on maximising net returns. It is important to note that we do not believe this potential 3% improvement may be expected annually; rather, it is likely to be very lumpy. Further, although every adviser has the ability to add this value, the extent of the value will vary based on each client’s unique circumstances and the way the assets are actually managed, versus how they could have been managed.

Obviously, although our suggested strategies are universally available to advisers, they are not universally applicable to every client circumstance. Thus, our aim is to motivate advisers to adopt and embrace these best
practices and to provide advisers with a reasonable framework for describing and differentiating their value proposition. With these considerations in mind, this paper focuses on the most common tools for adding value, encompassing both investment-oriented and relationship-oriented strategies and services.

As stated, we provide a more comprehensive description of our analysis in the modules described in the latter part of this paper (see page 8). While quantifying your value-add for clients is certainly important, it’s equally crucial to understand how following a set of best practices for wealth management such as Vanguard Adviser’s Alpha can influence the success of your advisory practice.

**Vanguard Adviser’s Alpha: Good for your clients and your practice**

For many clients, entrusting their future to an adviser is not only a financial commitment but also an emotional commitment. Similar to finding a new doctor or other professional service provider, you typically enter the relationship based on a referral or other due diligence. You put your trust in someone and assume he or she will keep your best interests in mind—you trust that person until you have reason not to. The same is true with an adviser. Most investors in search of an adviser are looking for someone they can trust. Yet, trust can be fragile.

Typically, trust is established as part of the “courting” process, in which your clients are getting to know you and you are getting to know them. Once the relationship has been established, and the investment policy has been implemented, we believe the key to asset retention is keeping that trust.

So how best can you keep the trust? First and foremost, clients want to be treated as people, not just as portfolios. This is why beginning the client relationship with a financial plan is so essential. Yes, a financial plan promotes more complete disclosure about clients’ investments, but more important, it provides a perfect way for clients to share with the adviser what is of most concern to them: their goals, feelings about risk, their family, and charitable interests. All of these topics are emotionally based, and a client’s willingness to share this information is crucial in building trust and deepening the relationship.

Another important aspect of trust is delivering on your promises—which raises another question: How much control do you actually have over the services promised? At the start of the client relationship, expectations are set regarding the services, strategies, and performance that the client should anticipate from you. Some aspects, such as client contact and meetings, are entirely within your control, which is a good thing: Recent surveys suggest that clients want more contact and responsiveness from their advisers. For example, not being proactive in contacting clients and not returning phone calls or e-mails in a timely fashion are among the top reasons for changing financial advisers (Spectrem Group, 2016). Consider that in a fee-based practice, an adviser is paid the same whether he or she makes a point of calling clients just to ask how they’re doing or calls only when suggesting a change in their portfolio. That said, a client’s perceived value-add from the “hey, how are you doing?” call is likely to be far greater.

### Figure 1: Vanguard quantifies the value-add of best practices in wealth management

<table>
<thead>
<tr>
<th>Vanguard Adviser’s Alpha strategy modules</th>
<th>Module number</th>
<th>Value-add relative to “average” client experience (in basis points of return)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable asset allocation using broadly diversified funds/ETFs</td>
<td>I</td>
<td>&gt; 0 bps</td>
</tr>
<tr>
<td>Cost-effective implementation (expense ratios)</td>
<td>II</td>
<td>70 bps</td>
</tr>
<tr>
<td>Rebalancing</td>
<td>III</td>
<td>37 bps</td>
</tr>
<tr>
<td>Behavioural coaching</td>
<td>IV</td>
<td>150 bps</td>
</tr>
<tr>
<td>Tax efficient accumulation and distribution</td>
<td>V</td>
<td>&gt; 0 bps</td>
</tr>
<tr>
<td>Total-return versus income investing</td>
<td>VI</td>
<td>&gt; 0 bps</td>
</tr>
<tr>
<td><strong>Potential value added</strong></td>
<td></td>
<td>“About 3%”</td>
</tr>
</tbody>
</table>

**Notes:** Return value-add for Modules I, V and VI was deemed significant but too unique for each investor to quantify. See page 8 for detailed descriptions of each module. Also, for “Potential value added,” we did not sum the values because there can be interactions between the strategies. (bps = basis points).

**Source:** Vanguard Australia.
This is not to say that performance is unimportant to clients. Here, advisers have some control, but not total control. Although advisers choose the strategies upon which to build their practices, they cannot control performance. For example, advisers decide how strategic or tactical they want to be with their investments, or how far they are willing to deviate from the broad-market portfolio. As part of this decision process, it’s important to consider how committed you are to a strategy; why a counterparty may be willing to commit to the other side of the strategy and which party has more knowledge or information, as well as the holding period necessary to see the strategy through. For example, opting for an investment process that deviates significantly from the broad market may work extremely well when you are “right,” but could be disastrous to your clients and practice if your clients lack the patience to stick with the strategy during difficult times.

Human behaviour is such that many individuals do not like change. They tend to have an affinity for inertia and, absent a compelling reason not to, are inclined to stick with the status quo. What would it take for a long-time client to leave your practice? The return distribution in Figure 2 illustrates where, in our opinion, the risk of losing clients increases. Although outperformance of the market is possible, history suggests that underperformance is more probable. Thus, significantly tilting your clients’ portfolios away from a market-capitalisation-weighted portfolio or engaging in large tactical moves can result in meaningful deviations from the market benchmark return. The further a client’s portfolio return moves to the left (in Figure 2) — that is, the amount by which the client’s return underperforms their benchmark return—the greater the likelihood that a client will remove assets from the advisory relationship.

Do you really want the performance of your client base (and your revenue stream) to be moving in and out of favour all at the same time? The markets are uncertain and cyclical—but your practice doesn’t have to be. To take one example, an adviser may believe that a portfolio tilted toward value oriented equities2 will outperform over the long run; however, the adviser will need to keep clients invested over the long run for this belief to even have the possibility of paying off. Historically, there have been periods—sometimes protracted ones—in which value has significantly underperformed the broad market (see Figure 3). Looking forward, it’s reasonable to expect this type of cyclical in some way. Recall, however: Your clients’ trust is fragile, and even if you have a deep client relationship with well-established trust, periods of significant underperformance—such as the cumulative return differentials for 12- and 60-month periods shown in Figure 3—can undermine this trust. The same holds true for other segments of the market such as sectors, countries, size, duration, and credit, to name a few. (Appendix 1 highlights performance differentials for some of these other market segments.)

2 We choose to use a portfolio with a value profile as our example because this characteristic is typically associated with alternative weighted indices, popularly known as “smart beta.”
We are not suggesting that market deviations are unacceptable, but rather that you should carefully consider the size of those deviations, given markets’ cyclicality and investor behaviour. As Figure 3 shows, there is a significant performance differential between allocating 50% of a global equity portfolio to value versus allocating 10% of it to value. As expected, the smaller the deviation from the broad market, the tighter the tracking error and performance differential versus the market. With this in mind, consider allocating a significant portion of your clients’ portfolios to the “core,” which we define as broadly diversified, low-cost, market-cap-weighted investments (see Figure 4).

Figure 3: Cumulative relative performance of value versus the broad Australian equities market

![Figure 3: Cumulative relative performance of value versus the broad Australian equities market](image)

<table>
<thead>
<tr>
<th>Weights</th>
<th>12-month Cumulative</th>
<th>60-month Cumulative</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Out</td>
<td>Under</td>
</tr>
<tr>
<td>100% Value</td>
<td>0%</td>
<td>29%</td>
</tr>
<tr>
<td>50% Value / 50% Broad Market</td>
<td>14%</td>
<td>-10%</td>
</tr>
<tr>
<td>10% Value / 90% Broad Market</td>
<td>3%</td>
<td>-2%</td>
</tr>
</tbody>
</table>

Notes: Broad Australian equity is represented by the S&P/ASX 300 Index [Total Return] from May 1992 to Dec 2017 and the All Ordinaries Index [Total Return] from Jan 1983 to Apr 1992. Value is represented by the MSCI Australia Value Index. Net dividends have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Figure 4: Hypothetical return distribution for portfolios that a) deviates from (left hand side) and b) closely resembles (right hand side) a market cap weighted portfolio

![Figure 4: Hypothetical return distribution for portfolios that a) deviates from (left hand side) and b) closely resembles (right hand side) a market cap weighted portfolio](image)

1. Client asks questions
2. Client pulls some assets
3. Client pulls most assets
4. Client pulls all assets

Source: Vanguard.
This core allocation limits the portfolios’ deviations to a level aligning with average investor behaviour and your comfort as an advisory practice.

For advisers in a fee-based practice, substantial deviations from a core approach to portfolio construction can have major practice-management implications and can result in an asymmetric payoff when significant deviations from the market portfolio are employed. Because investors commonly hold the majority of their investable assets with a primary adviser, even if their hoped-for outperformance is realised, the adviser has less to gain than lose if the portfolio underperforms instead. Although the adviser might gain a little more in assets from the client with a success, the adviser might lose some or even all of the client’s assets in the event of a failure. So when considering significant deviations from the market, make sure your clients and practice are prepared for all the possible implications.

‘Annuitising’ your practice to ‘infinity and beyond’
In a world of fee-based advice, assets reign. Why? Acquiring clients is expensive, requiring significant investment of your time, energy, and money. Developing a financial plan for a client can take many hours and require multiple meetings, before any investments are implemented. Figure 5 demonstrates that these client costs tend to be concentrated at the beginning of the relationship, if not actually before (in terms of adviser’s overhead and preparation), then moderate significantly over time. In a transaction-fee world, this is where most client-relationship revenues occur, more or less as a “lump sum.” However, in a fee-based practice, the same assets would need to remain with an adviser for several years to generate the same revenue. Hence, assets—and asset retention—are paramount: the ability to improve the Adviser’s alpha “J” curve trajectory rests with the adviser and the design of their business model.

Conclusion
“Putting a value on your value” is as subjective and unique as each individual investor. For some investors, the value of working with an adviser is peace of mind. Although this value does not lend itself to objective quantification, it is very real nonetheless. For others, we found that working with an adviser may add “about 3%” in net returns when following the Vanguard Adviser’s Alpha framework for wealth management. And these potential gains can accrue to low net wealth investors who may need guidance on how to exploit all of their tax-free allowances as well as to high net-wealth investors who may already have exhausted these tax free allowances. This 3% increase in potential net returns should not be viewed as an annual value-add, but is likely to be intermittent, as some of the most significant opportunities to add value occur during periods of market duress or euphoria when clients are tempted to abandon their well-thought-out investment plan.

It is important to note that the strategies discussed in this paper are available to every adviser; however, the applicability—and resulting value added—will vary by client circumstance (based on each client’s time horizon, risk tolerance, financial goals, portfolio composition, and marginal tax bracket, to name a few) as well as implementation on the part of the adviser. Our analysis and conclusions are meant to motivate you as an adviser to adopt and embrace these best practices as a reasonable framework for describing and differentiating your value proposition.

The Vanguard’s Adviser’s Alpha framework is not only good for your clients but also good for your practice. With the compensation structure for advisers evolving from a commission- and transaction-based system to a fee-based asset management framework, assets—and asset retention—are paramount. Following this framework can provide you with additional time to spend communicating with your clients and can increase client retention by avoiding significant deviations from the broad-market performance—thus taking your practice to “infinity and beyond.”

Figure 5: Adviser’s alpha “J” curve, range of per client profitability on a time-horizon basis

Source: Vanguard
Vanguard Adviser’s Alpha™ Quantification Modules

For accessibility, our supporting analysis is included here as a separate section. Also for easy reference, we have reproduced below our chart providing a high-level summary of wealth-management best-practice tools and their corresponding modules, together with the range of potential value we believe can be added by following these practices.

<table>
<thead>
<tr>
<th>Module I.</th>
<th>Asset allocation</th>
<th>page 09</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module II.</td>
<td>Cost-effective implementation</td>
<td>page 11</td>
</tr>
<tr>
<td>Module III.</td>
<td>Rebalancing</td>
<td>page 12</td>
</tr>
<tr>
<td>Module IV.</td>
<td>Behavioural coaching</td>
<td>page 15</td>
</tr>
<tr>
<td>Module V.</td>
<td>Tax efficient accumulation and distribution</td>
<td>page 18</td>
</tr>
<tr>
<td>Module VI.</td>
<td>Total-return versus income investing</td>
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Vanguard quantifies the value-add of best practices in wealth management

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</tr>
<tr>
<td>Potential value added</td>
<td></td>
<td>“About 3%” (257 bps)</td>
</tr>
</tbody>
</table>

Notes: Return value-add for Modules I, V and VI was deemed significant but too unique for each investor to quantify. For the “Potential value added” line in this table, we did not sum the values because there can be interactions between the strategies.

Source: Vanguard Australia.
Asset allocation is the primary determinant of a portfolio’s return variability and long-term performance. Scott, Balsamo, McShane, and Tasopoulos (2017) show this allocation importance for a broadly diversified portfolio that engages in limited market-timing.

We believe a sound investment plan begins with an individual’s investment policy statement (IPS). The IPS outlines the financial objectives for the portfolio, along with other pertinent information including the investor’s asset allocation, annual portfolio contributions, planned expenditures, and time horizon. Unfortunately, many ignore this critical effort, in part, because like our previous painting analogy, it can be very time-consuming, detail-oriented, and tedious. But unlike house painting, which is primarily decorative, the financial plan is integral to a client’s investment success; it’s the blueprint for a client’s entire financial house and, done well, provides a firm foundation on which all else rests.

Starting your client relationships with a well-thought-out plan can not only ensure that clients will be in the best position possible to meet their long-term financial goals but can also form the basis for future behavioural coaching. Whether the markets have been performing well or poorly, you can help your clients cut through the noise they hear on a regular basis, noise that often suggests to them that if they’re not making changes in their investments, they’re doing something wrong. The problem is, almost none of what investors are hearing pertains to their specific objectives: Market performance and headlines change far more often than do clients’ objectives. Thus, not reacting to the ever-present noise and sticking to the plan can add tremendous value over the course of your relationship. The process sounds simple, but adhering to an investment plan, given the wide cyclicality in the market and its segments, has proven to be very difficult for investors and advisers alike.

Asset allocation and diversification are two of the most powerful tools advisers can use to help their clients achieve their financial goals and manage investment risk in the process. Since the turbulent dot.com years, many investors globally have embraced more complicated portfolios, with more asset classes and more investment strategies. This complexity is often attributed to equities having two significant bear markets, as well as falling yields on traditional high-grade bonds. What is often missed in this is that forward-return expectations should be proportional to forward-risk expectations. It is rare to expect higher returns without a commensurate increase in risk.

Perhaps a way to demonstrate that a traditional long-only, highly liquid, investable portfolio can be competitive is to compare portfolios of multi-asset broad-market indices, with varying growth and defensive exposures (composed of Australian and global equities, which include exposures to sectors like listed infrastructure and property securities, and Australian and global bonds) to the performance of multi-asset managed funds, as shown in Figure I-1. The managed funds studied employ incredibly talented professionals with experience and tenure, so the expectation of replicating or even coming close to their performance would be considered a tough task. And yet, the portfolios constructed using market-weighted traditional asset classes—domestic and international equities and bonds—held up quite well, outperforming the vast majority of these managed funds.

3 The portfolio fractions invested in various asset classes such as equities, bonds, and cash investments.
Although a multi-asset indexed portfolio may appear to be more simple in construction as the managed funds, it should not be viewed as unsophisticated. More often than not, these asset classes and the investable index managed funds and ETFs that track them are perfectly suitable for the investor’s situation. For example, a diversified global portfolio using broad-market index managed funds gives an investor exposure to more than 7,000 individual equities and 12,000 individual bonds. It would be difficult to argue that a portfolio such as this is undiversified, lacking in sophistication, or inadequate.

Better yet, the tools for implementation, such as index managed funds and ETFs, can be very efficient—that is, broadly diversified, low-cost, tax-efficient, and readily available. Taking advantage of these strengths, an asset allocation can be implemented using only a small number of funds.

Too simple to charge a fee for, some advisers say, but simple isn’t simplistic. For many, if not most, investors, a portfolio that provides the simplicity of broad asset-class diversification, low-costs, and return transparency can enable the investor to comfortably adopt the investment strategy, embrace it with confidence, and better endure the inevitable ups and downs in the markets. Complexity is not necessarily sophisticated—it’s just complex.

Simplicity is thus a strength, not a weakness, and can be used to promote better client understanding of the asset allocation and of how returns are derived. When incorporating index managed funds or ETFs as the portfolio’s “core”, the simplicity and transparency are enhanced, as the risk of portfolio tilts (a source of substantial return uncertainty) is minimised. These features can be used to anchor expectations and to help keep clients invested when headlines and emotions tempt them to abandon the investment plan. The value-add from asset allocation and diversification may be difficult to quantify, but is real and important, nonetheless.

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Figure I-1: Comparing performance of multi-asset managed funds and diversified portfolio

Note: Distributions of annualised returns for Australian multi-asset managed funds grouped by asset allocation bands as designated by Morningstar. Conservative funds are funds with 21-40% of their portfolio in growth assets, balanced funds are funds with 41-60% of their portfolio in growth assets, and growth funds are funds with 61-80% of their portfolio in growth assets. All calculations are based on Morningstar category designations as at 28 February 2018. The analysis only includes funds with return observations for each full time period. Diversified index portfolio returns represent hypothetical multi-asset funds, constructed using indices, with growth and defensive exposures of respectively: conservative - 30/70, balanced - 50/50 & growth - 70/30. Growth exposure was constructed with a 40% allocation to S&P/ASX 300 accumulation Index & 60% to MSCI World ex Australia Index in AUD. Defensive exposure was constructed with a 30% allocation to Bloomberg Ausbond Composite 0y+ Index and 70% to Bloomberg Barclays Global Aggregate Index hedged in AUD. Returns for the diversified index portfolios are before fees. Returns on managed funds are net of fees. Time period ends 31 December 2017.

Source: Vanguard calculations using data from Morningstar, Bloomberg and Thomson Reuters Datastream.

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4 During the 2000-2009 decade, Australian equities (S&P/ASX 300 Index TR) outperformed International equities (MSCI World ex-Australia Index TR in AUD) by 12.1%. Australian equities’ performance during this period of 8.9% p.a. does not include the effect of franking credits (estimated at around 1.6% p.a., per FTSE). Relying solely on quantitative measures using this selective or recent data would imply focusing on Australian equities. Broad diversification over extended periods yields benefits, and the aforementioned result underlines the value of combining quantitative and qualitative approaches to portfolio construction. See Geysen, Zahm, Smart, and Johnson (2017) for analysis involving the trade-off between franking credits (tailwinds) and potential loss of diversification benefits (headwinds).
Cost-effective implementation is a critical component of every adviser’s tool kit and is based on simple arithmetic: Gross return minus costs equals net return. Every dollar paid for management fees, trading costs, and taxes is a dollar less of potential return for clients. For fee-for-service-based advisers, this reduced return equates to lower growth for their assets under management, the base from which their fee revenues are calculated. As a result, cost effective implementation is a “win-win” for clients and advisers alike.

If low costs are associated with better investment performance (and research has repeatedly shown this to be true), then costs should play a role in an adviser’s investment selection process. With the recent expansion of the ETF marketplace, advisers now have many more investments to choose from—and ETF costs tend to be among the lowest in the managed fund industry.

Expanding on Vanguard’s previous research, when analysing the universe of managed funds available in the Morningstar database, we found that an investor could save from 35 bps to 70 bps annually by moving to low-cost funds, as shown in Figure II-1. By measuring the asset-weighted expense ratio of the entire managed fund industry across various investment categories, we found that, depending on the asset allocation, the average investor annually pays between 58 bps (for an all-bond portfolio) and 94 bps (for an all-equity portfolio). In contrast, the average investor in the bottom 7% of funds by indirect cost ratio (i.e. “lowest of the low” as shown in Figure II-1) can expect annually to pay between 23 bps (for an all-bond portfolio) and 24 bps (for an all-equity portfolio). This includes only the explicit carrying cost (namely, the indirect cost ratio) and is extremely conservative when taking into account total investment costs.

It’s important to note, too, that this value-add has nothing to do with market performance. When you pay less, you keep more, regardless of whether the markets are up or down. In fact, in a low-return environment, costs are even more important because the lower the returns, the higher the proportion that is consumed by fund expenses. If you are using higher-cost funds than the asset-weighted average shown in Figure II-1 (35 bps to 70bps), the increase in value could be even higher than stated here.

**Figure II-1. Australian asset-weighted expense ratios versus “low-cost” investing**

<table>
<thead>
<tr>
<th>Equities/Bonds</th>
<th>100%/0%</th>
<th>80%/20%</th>
<th>60%/40%</th>
<th>50%/50%</th>
<th>40%/60%</th>
<th>20%/80%</th>
<th>0%/100%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Asset-weighted indirect cost ratio (ICR)</td>
<td>0.94%</td>
<td>0.87%</td>
<td>0.80%</td>
<td>0.76%</td>
<td>0.72%</td>
<td>0.65%</td>
<td>0.58%</td>
</tr>
<tr>
<td>“Lowest of the low”</td>
<td>0.24</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
</tr>
<tr>
<td>Cost-effective implementation (ICR bps)</td>
<td>0.70</td>
<td>0.63</td>
<td>0.56</td>
<td>0.53</td>
<td>0.49</td>
<td>0.42</td>
<td>0.35</td>
</tr>
</tbody>
</table>

*Note:* “Lowest of the low” category (or the first quartile within Quartile 1) is the funds whose indirect cost ratios (ICR) ranked in approximately the lowest 7% of funds in our universe by fund count.

*Sources:* Vanguard calculations, based on data from Morningstar, Inc., as of 31 December, 2017.

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5 These costs include expense ratios, or indirect cost ratios (ICRs), trading or frictional costs, and taxes.
6 See the Vanguard research paper “Costs Matter: Are Fund Investors Voting with Their Feet?” (Kinniry, Bennyhoff, and Zilbering, 2013).
Given the importance of selecting an asset allocation, it’s also vital to maintain that allocation through time. As a portfolio’s investments produce different returns over time, the portfolio likely drifts from its target allocation, acquiring new risk-and-return characteristics that may be inconsistent with your client’s original preferences. Note that the goal of a rebalancing strategy is to maintain the designed or preferred risk profile, rather than maximise return. An investor wishing to maximise returns, with no concern for the inherent risks, should allocate their portfolio to 100% shares to best capitalise on the equity risk premium. The bottom line is that an investment strategy that does not rebalance, but drifts with the markets has experienced in the past and is expected to experience in the future, higher volatility. An investor should expect a risk premium for any investment or strategy that has higher volatility.

In a portfolio that is more evenly balanced between equities and bonds, this equity risk premium tends to result in equities becoming over-weighted relative to a lower risk–return asset class such as bonds – thus the need to rebalance. Although failing to rebalance may enhance the expected long-term returns of portfolios (due to the expected risk premium on the higher weighted asset, namely equities, than in the original allocation), the true benefit of rebalancing is realised in the form of controlling risk. If the portfolio is not rebalanced, the likely result is a portfolio that is over-weighted to equities and therefore more vulnerable to equity market corrections, putting a client’s portfolio at risk of larger losses compared with the 70% equity/30% bond target portfolio, as shown in Figure III-1.

As shown in Figure III-2, between 1960 and 2017 the annually rebalanced portfolio provided a marginally higher return with significantly lower risk than the drift (non-rebalanced) portfolio. More specifically, the rebalanced and drift versions of the 70% equity/30% bond portfolios had returns of 10.42% and 10.14% and volatilities of 15.48% and 17.29%, respectively. Unexpectedly, the rebalanced portfolio had a marginally higher return than the drift portfolio – this is a function of the data being time-window dependent. Going forward, given the lower risk, we would anticipate the rebalanced portfolio to have a lower return.

Figure III-1. Equity allocation of 70% equity/30% bond portfolio: Rebalanced and drift (non rebalanced), 1960 through 2017

Notes: Historical equity and bond returns are from Brailsford et al. (2012). Equities are represented by S&P/ASX All Ordinaries Index from 1980 and Bonds are represented by Bloomberg AusBond Composite 0+ Year Index from 1990 (formerly the UBS Composite Bond Index™ until 29 Sep 2014). Assumes that frequency of rebalancing is annual. Sources: Vanguard calculations, based on data from Morningstar Direct, FactSet, and Brailsford et al. (2012).
A simplistic comparison would determine that the value added from rebalancing was 28 bps, calculated as the difference between the rebalance portfolio and drift portfolio returns, which were respectively 10.42% and 10.14%. But we think this simplistic approach is a misleading measure of the true value added because of the rebalanced portfolio’s lower volatility. Perhaps more importantly, Vanguard believes that the primary goal of a rebalancing strategy is to minimise risk relative to a target asset allocation, rather than to maximise return. So if we wanted to try to assign a return value to that benefit, we can search over the same time period for a rebalanced portfolio that exhibited similar risk (as measured by standard deviation) as the drift portfolio. We found that an approximately 80% equity/20% bond portfolio (which we term the ‘risk-equivalent’ portfolio) provided the same risk as the drift portfolio, see Figures III-2 and III-3. Using this fairer comparison, an adviser who recommended rebalancing could add 37 bps of value to their clients’ portfolios. This value-add was calculated as the difference between the risk-equivalent portfolio and drift portfolio returns, which were respectively 10.51% and 10.14%.

Looking forward, we would not expect the risk of a 70% equity/30% bond portfolio that drifts to match the risk of a 80% equity/20% bond portfolio. However, we believe the equity risk premium will persist, and that investors who do not rebalance over long time periods will have higher returns than the target portfolio, and as such, higher risk. One could argue that if an investor is comfortable with the higher risk of the non-rebalanced portfolio, he or she should simply select the higher equity allocation from inception and rebalance to that allocation through time. So in this example, the additional value to rebalancing would be worth around 37 bps.

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Figure III-3. Looking backward, the non-rebalanced (drift) portfolio exhibited the same risk as the rebalanced 79% equity/21% bond (risk-equivalent) portfolio

Notes: Historical equity and bond returns are from Brailsford et al. (2012). Equities are represented by S&P/ASX All Ordinaries Index from 1980 and Bonds are represented by Bloomberg AusBond Composite 0+ Year Index from 1990 (formerly the UBS Composite Bond Index™ until 29 Sep 2014). Assumes that frequency of rebalancing is annual.

Sources: Vanguard calculations, based on data from Morningstar Direct, FactSet, and Brailsford et al. (2012).
An adviser can increase the probability of clients meeting their investment goals by helping them (1) stay committed to their asset allocation strategy and (2) remain invested in markets. However, the task of rebalancing is often an emotional challenge. Historically, rebalancing opportunities have occurred when there has been a wide dispersion between the returns of different asset classes (such as equities and bonds). Whether in bull or bear markets, reallocating assets from the better-performing asset classes to the worse-performing ones feels counterintuitive to the “average” investor. An adviser can provide the discipline to rebalance when rebalancing is needed most, which is often when the thought of rebalancing is a very uncomfortable leap of faith.

Keep in mind, too, that rebalancing is not necessarily free: There are costs associated with any rebalancing strategy, including taxes and transaction costs, as well as the adviser’s time and labour. These costs could all potentially reduce your client’s return. An adviser can add value for clients by balancing these trade-offs, thus potentially minimising the associated costs. For example, a portfolio can be rebalanced with cash flows by directing dividends, interest payments, realised capital gains, and/or new contributions to the most underweight asset class. This not only can keep the client’s asset allocation closer to its target but can also trim the costs of rebalancing. An adviser can furthermore determine whether to rebalance to the target asset allocation or to an intermediate allocation, based on the type of rebalancing costs. When trading costs are mainly fixed and independent of the size of the trade—the cost of time, for example—rebalancing to the target allocation is optimal because it reduces the need for further transactions. When trading costs are mainly proportional to the size of the trade—as with commissions or taxes, for example—rebalancing to the closest rebalancing boundary is optimal, minimising the size of the transaction. Advisers who can systematically direct investor cash flows into the most underweighted asset class and/or rebalance to the “most appropriate” boundary are likely to reduce their clients’ rebalancing costs and thereby increase the returns their clients keep.

See the Vanguard research paper “Best Practices for Portfolio Rebalancing” (Zilbering, Jaconetti, and Kinniry, 2015).
Because investing evokes emotion, advisers need to help their clients maintain a long-term perspective and a disciplined approach—the amount of potential value an adviser can add here is large. Most investors are aware of these time-tested principles, but the hard part of investing is sticking to them in the best and worst of times—that is where you, as a behavioural coach to your clients, can earn your fees and then some. Abandoning a planned investment strategy can be costly, and research has shown that some of the most significant derailers are behavioural: the allure of market-timing and the temptation to chase performance.

Persuading investors not to abandon the markets when performance has been poor or dissuading them from chasing the next “hot” investment—this is where you need to remind your clients of the plan you created before emotions were involved. This is where the faith and trust that clients have in an adviser is key: Strong relationships need to be established before the bull- and bear-market periods that challenge investors’ confidence in the plan detailed for them. Thankfully, as stated earlier, these potentially disruptive markets tend to occur only sporadically. Advisers, as behavioural coaches, can act as emotional circuit breakers by circumventing clients’ tendencies to chase returns or run for cover in emotionally charged markets. In the process, advisers may save their clients from significant wealth destruction and also add percentage points—rather than basis points—of value. A single client intervention, such as we’ve just described, could more than offset years of advisory fees. The following example from the most recent period of “fear and greed” can provide context in quantifying this point.

Academic studies have concluded that behavioural coaching can add up to approximately 200 basis points per year. For example, we investigated how individual investors exchanging money between funds or into other funds affected their average returns. By comparing 58,168 self-directed investor’s personal returns for the five years ended 2012 versus hypothetical results using two Vanguard created “personal rate of return benchmarks” based on single fund alternatives, we found that the average fund investor who made at least one change to their portfolio sacrificed 104 to 150 bps due to poor portfolio adjustments (Weber, 2013).

A common method of analysing managed fund investor behaviour is to compare investor returns (internal rates of return, IRRs) to the fund’s reported total returns (time-weighted returns, TWRs) over time. Fund total returns (TWRs) represent the performance of a mutual fund’s assets under management for a defined period of time and are generally the industry standard for reporting returns. Investor Returns (IRRs) approximate the returns of the average dollar invested in the fund earned over the same period, rather than the result of any specific investor, and tends to differ from the fund’s TWRs more often than not. The degree and direction of the performance differences, however, are less stable. IRR differs from the fund’s TWR due to cash flows in and out of the fund, and absent any cash flows during the performance period, the fund’s TWR and its IRR should be the same. Although all mandates should expect a return drag versus the benchmark over longer periods due to more money continually coming into a growing managed fund market and a rising market, larger differences can be a sign of performance-chasing (Kinniry and Zilbering, 2012).

Using the IRR-TWR method, we note that history suggests that investors commonly receive much different returns from the funds they invest in (see Figure IV-1). For the ten year period ending 31 December 2017, for nearly half of the Australian fund categories presented, investors actually receive lower returns from the funds they invest in, demonstrating that—for these cases—cash flows tended to be attracted by, rather than preceded higher returns. Apart from the “Equity Regional” fund category, history also shows that, on average, this negative gap between IRR-TWR is evident in managed funds that are more concentrated, narrow, or different from the overall and is absent for the more broadly diversified multi-asset funds, which typically include a varying mix of equity and fixed income. The Vanguard Adviser’s Alpha framework was constructed with a firm awareness of these behavioural tendencies. Its foundation

8 To be clear, many investors rely on the help of an intermediary, such ads a financial advisor, so it is unclear whether the IRR-TWR return gap is due to investors’ decision-making.
is built upon having a significant allocation to the “core” portfolio, which is broadly diversified, low cost, and market-cap weighted, while limiting the satellite allocation to a level that is appropriate for each investor and practice.

It is important to point out that such an IRR versus TWR evaluation is time-period dependent and can produce results that look much different from one year to the next. Further, an IRR-TWR analysis relies heavily on the availability of industry assets under management and cash flow data, and therefore has its limitations. Given Australia’s smaller universe of funds and less assets under management relative to more mature markets, such as the U.S., IRR-TWR gaps are very sensitive to time shifts in the analysis. Moreover, Australian markets have a shorter trading history and less stringent periodic fund-reporting rules, compared to other mature markets, offering a fewer number of data points. The fewer number of funds, the smaller base of assets, and less number of observations, all make it difficult to draw conclusive inferences about the investor gap for this specific region and time frame. However, we believe that as the Australian mutual fund and ETF industry becomes more mature and net cash flows rise with assets under management, a longer time horizon will be captured—offering a greater set of observations. Consequently, we would expect that negative gaps between IRR and TWR will become more consistently pronounced, a trend that’s observed in other developed markets (see Figure IV-2).

Observing IRR-TWR gaps for more categories of fund types, multiple developed markets, and rolling time frames offers a perspective more consistent with the performance-chasing narrative. When we examine the categories excluding Australia, the median IRR-TWR difference can range from -0.68% to -4.91% (for U.S. and Canadian equities, respectively) and -0.47% to -5.93% (for U.S. and Canadian fixed income, respectively). In addition, when we look at the distribution of the investor gaps through time, we see that there are times when the investor returns are greater than their fund total returns, and our experience is that these outcomes are better explained by quirks in the market’s data-set rather than investors’ superior skillset. Nonetheless, the bulk of the observations, as well as the median observation, tends to be negative. This clearly suggests that there’s a great opportunity for advisors to help their clients and add value, by helping them close the gap.
Figure IV-2. Global distribution of investor returns versus fund returns: Rolling returns for various regions

Notes: The time-weighted returns (TWRs) in this figure represent the average fund return for each category. Investor returns assume that the growth of a fund’s total net assets for a given period is driven by market returns and investor cash flow. An internal rate-of-return (IRR) function is used, which calculates the constant growth rate that links the beginning total net assets and periodic cash flows to the ending total net assets. Discrepancies in the return “difference” are due to rounding. Not every fund or ETF is included for each category given limitations in available data. For multi-asset fund categories, we have included fund of fund assets and cash flows to best capture investors’ true experiences where the fund of fund structure is common.


Sources: Vanguard calculations, based on data from Morningstar, Inc.
If there is one certainty in the advice process, it is that government policy—taxes, incentives and benefits—will be ever-present and ever-changing. By incorporating these into an investor’s plan, not only does an adviser save their clients the time they would have personally spent on education and implementation, but if implemented well there is potentially significant value to be added.

When it comes to building a tax efficient strategy, all facets of a household’s assets, income sources, characteristics and preferences, not just in the present, but into the future, need to be incorporated. This is no simple task and can be divided into three broad areas: where to accumulate assets, investing with an awareness of tax in each account and tax efficient distribution.

Efficient accumulation of assets

First, the adviser can provide guidance on where the investor should save each additional dollar. This refers to the tax structure or entity, usually a superannuation (super) account or non-super personal account, but could very easily include trusts, companies and investment bonds depending on financial circumstances. The decision should consider the trade-off between flexibility and tax efficiency and be driven by the investor’s goals and asset allocation.

The super system in Australia was introduced by the government as a way for people to save for their retirement. Employers must contribute 9.5% of a person’s salary to super, but in addition, the tax-attractive structure of super encourages people to make further contributions. Given the tax advantages of super, many investors would benefit from holding all, or a majority of their assets intended for retirement there. However, the restrictions on withdrawal timing, contribution and balance caps, all of which are subject to policy change, mean that investing in alternative tax structures is either necessary or better aligned with an investor’s goals. An example of this could be a young investor with significant cash flow choosing to hold their assets (beyond compulsory contributions) outside of super, retaining access to money for uncertain, but probable, pre-retirement expenses such as the purchase of a house, raising a family or even early retirement. Alternatively, a wealthy couple approaching retirement may be constrained by high net worth and be required to invest in an alternative structure, though there may be opportunities to utilise strategies such as spouse contributions and work tests to ensure that tax efficiency is achieved.

Implementing a tax-aware savings strategy can have a significant effect on an investor’s portfolio value at retirement. Figure V-1, for example, demonstrates the historical difference for a fifty-five year old median wage earning individual of investing an additional 10% of their pre-tax income in either their superannuation or at their marginal tax rate in a non-superannuation account. Given their age, there is an insignificant loss of flexibility in saving in super rather than their own name when compared to a younger investor who would not be able to access their retirement savings for some time.

Over time, the difference in the balance is significant due to the tax head start of investing in super—where only 15% of incremental investments are taken as tax relative to the marginal tax rate (which is 34.5% for a median income earner). This means that the investor can invest 30% more each year by investing in super rather than their own name. In fact, when measuring dollar weighted returns for an investment in Australian equities, the super strategy has an internal rate of return that is 5.4% greater than that of non-super savings when starting from the pre-tax cash flows.

This is a simple example, with an expected result – saving in super results in a greater return – that does not need calculations to guess. The power of quantifying the result, however, is realising the difference in outcomes that occur in such a simple strategy. The value that an adviser creates for an investor can only be expected to increase with the complexity of a financial situation.

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9 The compulsory contribution by employers is expected to increase to 12% by 2025. Withdrawals from super are permitted only after age 65 or retiring from work after the preservation age. For more information on Australia’s superannuation system see the Superannuation System Overview in Vanguard’s How Australia Saves (Murphy, 2017).

10 These additional contributions are classified as either concessional (before-tax income, for example, salary sacrificing) or non-concessional (after-tax income, for example, spouse contributions).
Figure V-1. Tax-aware accumulation strategies can provide significant value

Notes: The chart presents a hypothetical scenario only. The 55 year old pre-retiree invests an additional 10% of their pre-tax (gross) wage annually in an Australian equity index fund as it will complement their existing diversified portfolio. The simulation runs from 1 July 2007, with the final balance the value of the account on 30 June 2017. The portfolio is not rebalanced given that it is only invested in one asset class and no taxable capital gains are incurred. Capital gains would likely penalise further the non-super account. No fees are considered in the calculation. Taxes are intended to replicate the prevailing legislation applicable in each year of the simulation.

Sources: Vanguard calculations, using data from ABS 6302.0, ATO, Thomson Reuters Datastream

Efficient investing in each account

An asset-location strategy can help clients to understand the tax trade-offs between certain investments. This refers to how assets are invested within a structure, such as a super account, with an awareness of how securities or funds potentially generate tax liabilities. Tax-inefficient funds can be sheltered in concessionally taxed accounts (like superannuation), while using tax-efficient funds in taxable accounts (like the personal account of an investor with a high marginal tax rate). Compared to actively managed funds, index funds tend to have lower turnover (that is, they buy and sell securities relatively infrequently) and can reduce the capital gains liability, improving their after-tax returns.

Additionally, Australian shares offer the lowest effective tax rate of all the asset classes due to the dividend imputation system. Some Australian share funds target companies with high franking levels, which can help offset the amount of taxes paid on dividends, although this comes with increased concentration risk.

A further consideration is when rebalancing a portfolio to a target asset allocation pre-retirement. Even in a tax concessional environment like a super accumulation account, a capital gain does incur tax and therefore rebalancing the portfolio is not frictionless. Rebalancing should not be ignored however since the drift of the portfolio away from its target means that it can take on an unplanned risk-return profile. An adviser can balance these trade-offs and potentially negate tax effects through strategies such as rebalancing with contributions. A similar discussion must be had when selling illiquid assets, such as an investment property, since capital gains tax liabilities may be significant.

Efficient distribution of assets

The benefits of holistic, goals-aligned tax strategy can be realised when distributing assets to meet expenses. While the first thought is on income needs in retirement, tax effects can be particularly acute when realising the value of assets to meet spending needs prior to retirement. This can be due to high marginal tax rates when an individual is still working.

Once retired, investors who depend on their portfolios to meet their spending needs face many challenges such as: how much can they spend from their portfolio, where or from which account should they spend, and how will taxes impact these decisions. Advisers can help investors set realistic and flexible annual spending amounts and then implement those plans using informed withdrawal location strategies to minimise the total taxes paid over the course of their retirement; thereby, increasing an investor’s ending wealth values and the longevity of their portfolios.

Typically retirees can add value by spending from portfolio cash flows that have already been taxed such as dividends and interest payments, while retaining assets in concessionally taxed environments for as long as possible. This can be achieved by withdrawing the age-based minimum withdrawal amount as required and only supplementing this withdrawal from a super pension account if there are minimal assets remaining in taxable (non-super) accounts. Just as there is strategy in tax efficiency, optimising the receipt of government benefits, with a particular emphasis on the role of the age pension over the full retirement of a household, can improve the standard of living in retirement for an eligible household. An adviser can quantify the trade-off between spending down assets to access more of the age pension and maintaining an asset pool with a lower initial age pension payment to be able to meet uncertain future spending needs.
With yields on balanced and fixed income portfolios at historically low levels, the value of advice has never been more critical for retirees. It is evident from superannuation market data that an income-only strategy is clearly favoured by many retirees, with income derived from interest earned on bonds and dividends earned on equities. Such an approach, though, carries increased risks, including higher volatility and greater credit risk associated with equities and bonds, respectively. Investors who wish to spend only the income generated by their portfolio, referred to here as the “income-only” approach, have three choices if their current cash flows fall short of their spending needs: They can (1) spend less, (2) reallocate their portfolios to higher-yielding investments, or (3) spend from the total return on their portfolio, which includes not only the income or yield but also the capital appreciation.12

As your clients’ adviser, you can help them make the right choice for their situation. Be aware that for many investors, moving away from a broadly diversified portfolio could actually put their portfolio’s principal value at higher risk than spending from it. Figure VI-1 outlines several common practices for that may be detrimental. These are detailed further in the paragraphs following.

Figure VI-1. Negative portfolio impacts resulting from common investor practices

<table>
<thead>
<tr>
<th>Common investor practice</th>
<th>Portfolio impact (versus a market-cap-weighted portfolio at sub-asset-class level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Increasing the portfolio’s exposure to dividend-centric equity.</td>
<td>Decreases diversification of an equity portfolio by overweighting certain sectors, and increases the portfolio’s overall volatility and risk of loss if the strategy is used as a bond substitute.</td>
</tr>
<tr>
<td>2. Overweighting of high-yield bonds and underweighting investment grade bonds</td>
<td>Increases the portfolio’s exposure to credit risk, raises the portfolio’s overall volatility and increases correlations with the equity portion of the portfolio.</td>
</tr>
<tr>
<td>3. Shortening duration - Overweighting Cash and Term Deposits in preference to bonds</td>
<td>Shortening duration through an allocation to cash or term deposits may dilute the long term defensive characteristics and diversification of a market-cap exposure to bonds. In addition, shortening duration may forego the additional income received from holding bonds with longer duration.</td>
</tr>
</tbody>
</table>

Source: Vanguard.

12 Australia’s domestic bond market has the opportunity to expand and further develop compared to other markets (such as the U.S.): this position means that broadly across the industry, an appreciation for more advanced bond strategies (over Australian cash vehicles and term deposits which remain relatively high against other developed markets) may not be so prevalent.

13 See the Vanguard research paper From assets to income: A goals-based approach to retirement spending (Smart, Zahm, Geysen and Jaconetti, 2018).
dividend-paying stocks tend to be overly concentrated in certain individual stocks and sectors. The concentration of the Australian market is high at 44%, and increases to 70% for the comparable dividend yield index when measuring the size of the largest 10 holdings as a proportion of the index. This further increases the concentration risks for investors employing dividend yield strategies in the Australian market, which is a common investment practice due to the receipt of franked dividends. It is critical that investors are appropriately assessing the trade-off between additional income and the risk inherent in a concentrated portfolio of securities.

2. Overweighting of high-yield bonds and underweighting investment grade bonds

Another common strategy an investor may use for increasing yield is to increase the portfolio’s allocation to higher-yielding bonds that are exposed to moderate or even significant credit risk. The risk here is that credit risk tends to be correlated with equity risk, as is demonstrated during periods of equity market distress. This risk tends to be heightened when investors move into riskier bonds, including contingent convertible securities like hybrids, at the expense of investment-grade government and corporate bonds, which are a proven diversifier during periods in which diversification is needed most. For portfolios with significant exposures to hybrid securities, risks can extend into liquidity and complexity. This liquidity risk is where holdings cannot be liquidated at the desired price and time, whilst potential instrument mispricing can stem from misunderstanding the complex structure. In short, hybrid instruments possess different defensive and capital preservation qualities as compared to diversified fixed income.

Vanguard research has shown that replacing existing fixed income holdings with high-yield bonds has historically increased the volatility of a balanced portfolio by an average of 78 bps annually.14 This is because high-yield bonds are more highly correlated with the equity markets and are more volatile than investment-grade bonds. Investors who employ such a strategy are certainly sacrificing diversification benefits in hopes of receiving higher current income from the portfolio.

3. Overweighting Cash and Term Deposits in preference to bonds.

A further commonly used strategy among investors has been to allocate to term deposits to satisfy the defensive allocation of the portfolio in an effort to reduce duration and protect capital. While bonds and term deposits offer some similar characteristics such as capital preservation, liquidity, and income, there are some important differences that investors need to take into account.

It is important to recognise the role of bonds in a portfolio, which provide ballast during equity market down turns. During times of equity market weakness, bond yields have typically fallen providing additional capital returns from bonds.15 Correspondingly, a fall in yields for term deposits results in lower income, as the short duration provides little additional compensation in the way of increased capital return. This results in an opportunity cost from holding term deposits as a defensive exposure to cushion against equity downturns.

Upon maturity, investors using term deposits as a single, undiversified investment are exposed to the prevailing market yields of the day. This may not be as attractive as when initially invested, resulting in lower ongoing yields compared to a broadly diversified strategy.

Benefits of a total-return approach to investing

In pursuing the preceding income strategies, some may feel they will be rewarded with a more certain return and therefore less risk. But in reality, this is increasing the portfolio’s risk as it becomes too concentrated in certain sectors, which may result in a higher chance of retirees falling short of their long-term financial goals. As a result, Vanguard believes in maintaining a broadly diversified portfolio and following a total-return approach, which considers both components of total return: income plus capital appreciation. The total-return approach has the following potential advantages over an income-only method:

- **Less risk.** A total-return approach allows better diversification, instead of concentrating on certain securities, market segments, or industry sectors to increase yield.

- **Greater control over the size and timing of portfolio withdrawals.** The investor is not limited to withdrawing the natural yield of the portfolio.

Certainly, to employ a tax-efficient, total-return strategy in which the investor requires specific cash flows to meet their spending needs involves substantial analysis, experience, and transactions. To do this well is not easy, and this alone could also represent the entire value proposition of an advisory relationship.

15 For more on the role of bonds including scenario analysis on the effect of shortening or lengthening duration, see Vanguard’s approach to construction Australian diversified funds (Geyser, Zahn, Smart and Johnson, 2017).
So where should you begin? We believe you should focus on those areas in which you have control, at least to some extent, such as:

• Helping your clients select the asset allocation that is most appropriate to meet their goals and objectives, given their time horizon and risk tolerance.

• Implementing the asset allocation using low-cost investments and, to the extent possible, using asset-location guidelines.

• Limiting the deviations from the market portfolio, which will benefit your clients and your practice.

• Concentrating on behavioural coaching and spending time communicating with your clients.
References


Smart, Timothy, Nathan Zahm, Aidan Geysen, and Colleen M. Jaconett, 2018. From assets to income: A goals-based approach to retirement spending; Vanguard Investments Australia Ltd.


Appendix 1. Relative performance charts

Figure A-1. Cumulative relative performance of Australian equities and Australian bonds

Notes: Australian equity is represented by the S&P/ASX 300 Index (Total Return) from May 1992 to Dec 2017 and the All Ordinaries Index (Total Return) from Jan 1983 to Apr 1992. Australian fixed income is represented by the UBS Composite Bond Index from Sep 1989 to Sep 2014. From 29 Sep 2014 to Dec 2017, Australian fixed income is represented by the Bloomberg AusBond Composite 0+ Yr Index (formerly the UBS Composite Bond Index TM until 29 Sep 2014). Net dividends and coupons have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Source: Vanguard calculations, based on data from FactSet, Thompson Reuters Datastream and Bloomberg.

<table>
<thead>
<tr>
<th>Largest performance differentials</th>
<th>1mth</th>
<th>12mths</th>
<th>36mths</th>
<th>60mths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aus equity outperforms</td>
<td>13.8%</td>
<td>63.4%</td>
<td>184.1%</td>
<td>315.0%</td>
</tr>
<tr>
<td>Aus equity underperforms</td>
<td>–36.3%</td>
<td>–53.9%</td>
<td>–70.0%</td>
<td>–118.3%</td>
</tr>
</tbody>
</table>

Figure A-2. Cumulative relative performance of Australian equities and International developed equities

Notes: Australian equity is represented by the S&P/ASX 300 Index (Total Return) from May 1992 to Dec 2017 and the All Ordinaries Index (Total Return) from Jan 1983 to Apr 1992. International equity developed markets are represented by the MSCI World ex-Aus in A$ with net dividends reinvested. Net dividends have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Source: Vanguard calculations, based on data from FactSet and Thompson Reuters Datastream.

<table>
<thead>
<tr>
<th>Largest performance differentials</th>
<th>1mth</th>
<th>12mths</th>
<th>36mths</th>
<th>60mths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aus equity outperforms</td>
<td>15.6%</td>
<td>66.0%</td>
<td>70.9%</td>
<td>134.5%</td>
</tr>
<tr>
<td>Aus equity underperforms</td>
<td>–30.5%</td>
<td>–65.2%</td>
<td>–133.4%</td>
<td>–326.6%</td>
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</table>
Figure A-3. Cumulative relative performance of Australian large cap and small cap equities

Notes: Australian equity large cap is represented by the MSCI Australia Equity Large Cap Index and Australian equity small cap is represented by the MSCI Australia Small Cap Index. Net dividends and coupons have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Source: Vanguard calculations, based on data from FactSet and Thompson Reuters Datastream.

<table>
<thead>
<tr>
<th>Largest performance differentials</th>
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<th>12mths</th>
<th>36mths</th>
<th>60mths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large outperforms</td>
<td>14.3%</td>
<td>27.0%</td>
<td>51.0%</td>
<td>46.6%</td>
</tr>
<tr>
<td>Large underperforms</td>
<td>–8.1%</td>
<td>–34.1%</td>
<td>–62.1%</td>
<td>–120.3%</td>
</tr>
</tbody>
</table>

Figure A-4. Cumulative relative performance of International developed and emerging market equities

Notes: International equity developed markets are represented by the MSCI World ex-Aus in $A with net dividends reinvested and International equity emerging markets are represented by the MSCI Emerging Markets Index in $A with net dividends reinvested. Net dividends and coupons have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Source: Vanguard calculations, based on data from FactSet and Thompson Reuters Datastream.

<table>
<thead>
<tr>
<th>Largest performance differentials</th>
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<th>12mths</th>
<th>36mths</th>
<th>60mths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Developed outperforms</td>
<td>16.5%</td>
<td>69.4%</td>
<td>121.4%</td>
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<td>Developed underperforms</td>
<td>–17.1%</td>
<td>–74.7%</td>
<td>–195.8%</td>
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Figure A-5. Cumulative relative performance of Australian equity value and growth

<table>
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<th>60mths</th>
</tr>
</thead>
<tbody>
<tr>
<td>Value outperforms</td>
<td>13.5%</td>
<td>53.0%</td>
<td>73.6%</td>
<td>141.1%</td>
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<tr>
<td>Value underperforms</td>
<td>–10.6%</td>
<td>–47.9%</td>
<td>–74.1%</td>
<td>–141.5%</td>
</tr>
</tbody>
</table>

Notes: Australian equity value is represented by the MSCI Australia Value Index (total return) and Australian equity growth is represented by the MSCI Australia Growth Index (total return). Net dividends and coupons have been assumed to have been reinvested into the index. Brokerage, commissions and tax implications are not reflected in this analysis.

Source: Vanguard calculations, based on data from FactSet and Thompson Reuters Datastream.