



Use Easy Frames of Reference

That which you persist in doing becomes easy to do –
not that the nature of the thing has changed,
but your power and ability to do has increased.
– Unknown

When making changes to your health and finances, it is best to keep things simple and easy to understand. Studies show that people are more likely to make positive changes in their lives if they have a clear idea of where they want to be in the future and the actions required for getting there. When we have information that is easy to follow and/or apply, action is more likely.

An example of this can be found in the book, *The Tipping Point*, by Malcolm Gladwell. He describes an experiment where adding a map to the Yale University health center dramatically increased the number of students seeking tetanus shots, compared to providing information about tetanus alone. By adding a map, more students acted on the information. Gladwell called this phenomenon “The Stickiness Factor.” He concluded: “The students needed to know how to fit the tetanus stuff into their lives; the addition of the map and the times when shots were available shifted the booklet from an abstract lesson in medical risk...to a practical and personal piece of medical advice. And once the advice became practical and personal, it became memorable.”

The same can be said for health and personal finance recommendations. Many of them are not very “sticky” (i.e., able to be remembered and acted upon) because they are too abstract, and busy people don’t have time to make sense of them. Most people can’t “digest” long, complex messages very well. A health and nutrition example is food portion sizes, which many are unable to estimate correctly. A personal finance example is recommendations that are stated as percentages. In order for them to be acted upon, they need to be personalized and “translated” to someone’s income and financial situation.

Research indicates that people understand portion sizes better, and may be motivated to eat less, when food portions are mentally compared to the size and shape of common objects. Although measuring cups and food scales are the **most** accurate way to determine food portions, they are impractical to use in many situations. In one study, so-called portion size measurement aids (PSMAs), such as golf balls and tennis balls, were found to significantly improve estimations of portion sizes.

Some examples of PSMAs are listed in the following table.

Portion Size Measurement Aids	
Food	Portion Size Measurement Aid
2-ounce bagel	2 decks of cards
3 ounces of meat	1 deck of cards
1 teaspoon butter or margarine	1 postage stamp (1/4" thick)
½ cup rice	2 golf balls
2 tablespoons of peanut butter	1 golf ball
¼ cup dried fruit	1 golf ball
1½ ounces of cheese	½ golf ball or 3 dice
1 ounce nuts or candies	1 handful
1 cup rice or pasta	1 tennis ball
Medium piece of fruit	1 tennis ball
1 tablespoon of salad dressing	1 thumb tip (from thumb joint)
1 cup salad greens	1 baseball

Financial recommendations often fail to be acted upon because they are stated as percentages or require mathematical calculations. Like the tetanus booklet without a map, advice can seem impersonal and incomplete. Percentages are hard to relate to. Nevertheless, if you take the time to understand these guidelines and convert percentages into dollar figures, they can prove quite helpful. Below are some common financial recommendations, translated into dollars, with examples based on a worker with a \$50,000 gross income. Note that some are broken down even further into smaller increments.

Financial Frames of Reference in Dollar Terms Based on a \$50,000 Annual Income	
Financial Guideline	Translation Into “User-Friendly” Dollar Terms
Save at least the amount that your employer will match in a tax-deferred 401(k) or 403(b) plan.	Find out the maximum amount of worker contributions that your employer will match. If your employer matches 6 percent of pay, save \$3,000 and you’ll receive \$3,000 in “free money.” \$3,000 of annual savings requires weekly savings of about \$58.
Plan for at least 70 to 80 percent of pre-retirement income to live comfortably in retirement.	70 to 80 percent of a \$50,000 income is a \$35,000 to \$40,000 income in retirement. 75 percent is \$37,500. Personalized savings calculations are best, however, rather than relying on general guidelines.
Buy a house that costs no more than 2½ times your annual income.	Housing should cost no more than \$125,000 for those with a \$50,000 income. (Note: This may be difficult to do in pricey areas.)
Purchase disability insurance equal to 60 to 70 percent of your gross income.	A worker earning \$50,000 should have coverage ranging from \$30,000 (\$2,500 monthly) to \$35,000 (\$2,915 monthly).

Note: The above examples are illustrations of financial guidelines and will vary from person to person.

Financial Frames of Reference in Dollar Terms-Based on a \$50,000 Annual Income

Financial Guideline	Translation Into “User-Friendly” Dollar Terms
When you retire, withdraw 4 percent of your portfolio annually, increasing the amount with inflation each year, to avoid running out of money.	If, at age 65, you have \$400,000 saved for retirement, you should withdraw \$16,000 ($400,000 \times .04$) in the first year and then increase this amount each year for inflation (e.g., $\$16,000 \times 3\%$ inflation = \$480 for a total withdrawal of \$16,480 in year 2).
Rebalance your investment portfolio when asset class weightings drift 5 to 10 percent from their original percentage.	If 50 percent (\$10,000) of a \$20,000 portfolio is invested in stock and the other 50 percent in fixed-income securities, the portfolio should be rebalanced if either asset class increases by \$500 to \$1,000.
Buy mutual funds with low expense ratios (annual fund operation and management expenses as a percentage of portfolio assets). Typically, expense ratios range from .20 percent (generally for low-cost index funds) to 2.0 percent.	With a \$10,000 fund balance, a .20 expense ratio (one-fifth of 1 percent) costs \$20 ($10,000 \times .0020$) per year, a 1.3 percent expense ratio costs \$130 ($10,000 \times .0130$), and a 2.0 percent ratio costs \$200 ($10,000 \times .0200$). Over time, high expense ratios steadily erode fund returns and should generally be avoided when selecting funds.
Each time you get a future pay increase, keep half and use half to increase tax-deferred retirement plan savings.	If you get a 4 percent raise to a \$50,000 income (\$2,000), keep/spend \$1,000 and contribute an additional \$1,000 to your 401(k) or 403(b) retirement savings plan.
Invest in employer tax-deferred retirement savings plans because contributions are made with “before-tax dollars.” Your contribution is offset by tax savings based on your federal marginal tax bracket.	If you contribute \$3,000 to a 401(k) or 403(b) plan, your taxable income would be \$47,000 instead of \$50,000. If you are in the 25 percent federal marginal tax bracket, you would save \$750 ($3,000 \times .25$) in taxes that you would otherwise pay. Thanks to this tax savings, the actual (after-tax) cost of a \$3,000 retirement plan deposit is only \$2,250.
Purchase life insurance equal to 6 to 10 times your annual income.	Someone earning \$50,000 with dependents and a need for insurance may need to purchase from \$300,000 to \$500,000 of life insurance. Personalized insurance calculations are best, however, to account for survivor needs (e.g., spousal earnings, college fund, etc.).
Buy bonds to provide diversification and/or periodic income during retirement. Bond interest is generally paid semi-annually and based upon the coupon (interest) rate of a bond at the time that it is issued.	Assume that a newly issued \$1,000 bond has a coupon rate of 6 percent. This means that you will receive a total of \$60 of interest income ($1,000 \times .06$) each year through maturity, payable in two \$30 semi-annual payments.

Note: The above examples are illustrations of financial guidelines and will vary from person to person.

Use the **Frame of Reference, Worksheet 22**, to list personal applications to health and wealth. List up to three easy frames of reference you plan to use to make health and financial decisions.

Frame of Reference – Health and Wealth

List up to three easy frames of reference for both health and wealth that you plan to use to make health and financial decisions.

Health Goal	Wealth Goal
1.	1.
2.	2.
3.	3.



Action Steps

Health	Wealth
<ul style="list-style-type: none"> • Memorize two to three portion size measurement aid examples and use them for food portion decisions. • Pay increased attention to portion (serving) size labeling information on nutrition facts labels. • Create and carry around a “cheat sheet” with the serving size and caloric value of commonly eaten foods that lack nutrition facts labels (e.g., meat, fish, produce, fast foods). 	<ul style="list-style-type: none"> • Convert two to three of the above financial guidelines into dollar figures using personal financial data. • Pay increased attention to information about mutual fund expenses in fund prospectuses. • Calculate the tax savings available by making a contribution to a tax-deferred employer retirement savings plan.

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