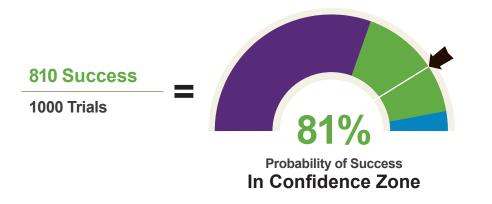
## MONTE CARLO RESULTS

## **Results of the Monte Carlo Analysis**

The Monte Carlo Analysis uses the Brute Force Monte Carlo<sup>©</sup> technique. This technique is a random process which utilizes returns from a normal distribution based on the estimated rate of return and standard deviation of the individual asset classes and the respective correlations. The results are based on 1,000 trials of the Plan.



**Successful Trial** The funding of all goals in every year of that trial

GWS

## **Unsuccessful Trial** A shortfall of as little as a single

dollar of goal funding in any year.

The Monte Carlo Analysis results in a Probability of Success ranging from 0% to 99% in 1% increments. The Probability of Success will never exceed 99% because there is never a 100% guarantee that clients will achieve all their financial goals.

Monte Carlo results are divided into three segments:

Below Confidence Zone (< 60%)	In Confidence Zone (60% - 90%)	Above Confidence Zone (> 90%)
<ul> <li>Too much uncertainty for your age</li> <li>Not enough protection against future shocks</li> </ul>	<ul> <li>Good balance between current and future lifestyle</li> <li>May hold up well against future shocks</li> </ul>	<ul> <li>Probably giving up more than necessary now</li> <li>Ok if you are ultra-conservative with your planning</li> </ul>

The default range of the Confidence Zone is based primarily on what goals are included in the Plan.

When a Retirement Goal is included, the default Confidence Zones are age-based. Younger clients will have a wider Confidence Zone compared to the narrower range for older clients.

Probability of Success Range			
Age	Low Range	High Range	
<39	60	90	
40-59	70	90	
60-79	75	90	
80+	85	99	

## 3200 Cherry Creek South Drive, Suite 280 Denver, CO 80209 | www.gwsa.us

Investment Advisory Services offered through Global Wealth Strategies & Associates, LLC', a Registered Investment Adviser. Global Wealth Strategies & Associates, LLC's web site is limited to the dissemination of general information pertaining to its advisory services, together with access to additional investment related information, publications, and links. Accordingly, the publication of Global Wealth Strategies & Associates, LLC's web site on the Internet should not be construed by any consumer and/or prospective client as Global Wealth Strategies & Associates, LLC's web site on the Internet should not be construed by any consumer and/or prospective client as Global Wealth Strategies & Associates, LLC's or attempt to effect transactions in securities, or the rendering of personalized investment advice for compensation, over the Internet. For information pertaining to the registration status of Global Wealth Strategies & Associates, LLC, please contact the SEC, FINRA or the state securities regulators for those states in which Global Wealth Strategies & Associates, LLC's business operations, service, and fees is available from Global Wealth Strategies & Associates, LLC's business operations, service, and fees is available from Global Wealth Strategies & Associates, LLC upon written request.