

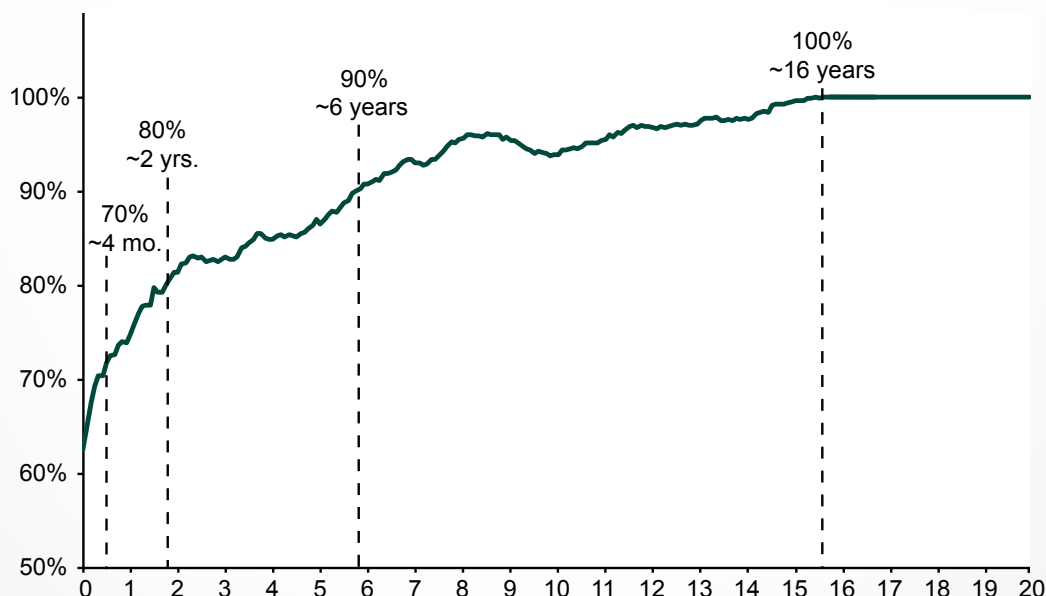
HISTORICAL FREQUENCY OF POSITIVE STOCK RETURNS

Over very short time periods, stocks' direction can be highly unpredictable. Historically, stocks have been positive on a daily basis 53.0% of the time—little better than a coin flip. However, history also shows the longer the holding period, the greater the likelihood stocks have positive returns.

Exhibit 1: S&P 500 Returns*

	Number of Periods			Percent of Periods	
	Positive	Negative	Total	Positive	Negative
Daily Returns	12,343	10,916	23,259	53.1%	46.9%
Calendar Month Returns	693	411	1,104	62.8%	37.2%
Calendar Quarter Returns	253	115	368	68.8%	31.3%
Calendar Year Returns	68	24	92	73.9%	26.1%
Rolling 1 Year Returns, Monthly	816	277	1,093	74.7%	25.3%
Rolling 5 Year Returns, Monthly	914	130	1,044	87.5%	12.5%
Rolling 10 Year Returns, Monthly	926	58	984	94.1%	5.9%
Rolling 20 Year Returns, Monthly	864	0	864	100.0%	0.0%
Rolling 25 Year Returns, Monthly	804	0	804	100.0%	0.0%

Exhibit 2: The Historical Frequency of Positive S&P 500 Returns**



Source: Global Financial Data, Inc. as of 12/31/2017.

* Exhibit 1 uses historical S&P 500 returns over various periods. Daily return data begin on 01/31/1928, and are based on price appreciation only; all other data begin on 01/31/1926 and reflect total returns.

** Exhibit 2 plots the percent of positive S&P 500 rolling periods (from 0-20 years) showing longer timeframes significantly increase the frequency of positive stock market returns. Calculated using monthly rolling holding periods from 01/31/1926 – 12/31/2017.