Safe Withdrawal or Spending Rate for 20 years
on the 1916 and the 1969 sequences of return

SSR% for 20 years Using the 1916 Sequence of Returns
The Withdrawal Rate that ensures a full withdrawal at the end of the 19th year is **5.5%.**

Inputs	
Intial portfolio value	1,000
Constant dollar (C$) withdrawal for spending	**54.9**
Stock Mix (constant)	75%
Total investing cost	0.18%

Portfolio Value at End of Year 19
54.9
0.0

The Safe Withdrawal or Spending Rate will increase with fewer years and decrease with more

Spending Year	Withdrawal for spending in the next year	Portfolio at start of year after withdrawal	Portfolio Value end of year, net of investing cost		Year	Real Return* Stocks	Real Return* Bonds
1	54.9	945.1	900.2		1916	-3.2%	-8.6%
2	54.9	845.4	582.6		1917	-36.7%	-13.8%
3	54.9	527.8	528.8		1918	4.8%	-12.9%
4	54.9	473.9	477.0		1919	4.9%	-11.5%
5	54.9	422.1	357.5		1920	-20.6%	1.2%
6	54.9	302.6	386.6		1921	29.1%	24.4%
7	54.9	331.7	412.1		1922	30.3%	7.0%
8	54.9	357.2	363.2		1923	1.1%	4.2%
9	54.9	308.3	372.6		1924	26.1%	5.8%
10	54.9	317.8	377.8		1925	24.8%	1.9%
11	54.9	322.9	365.4		1926	15.3%	7.7%
12	54.9	310.5	405.2		1927	38.9%	6.1%
13	54.9	350.3	456.2		1928	39.7%	2.6%
14	54.9	401.3	391.5		1929	-4.8%	5.2%
15	54.9	336.7	297.2		1930	-18.8%	10.2%
16	54.9	242.3	183.7		1931	-35.8%	11.2%
17	54.9	128.9	133.7		1932	-0.9%	18.5%
18	54.9	78.9	111.0		1933	53.2%	4.3%
19	54.9	56.2	54.9		1934	-4.3%	4.3%
20	54.9						

Downward spiral to depletion.

* Data Source: http://www.econ.yale.edu/~shiller/data.htm
Tom Canfield, Nest Egg Care. March 4, 2022

SSR% for 20 years Using the 1969 Sequence of Returns
The Withdrawal Rate that ensures a full withdrawal at the end of the 19th year is **4.4%.**

Inputs	
Intial portfolio value	1,000
Constant dollar (C$) withdrawal for spending	**44.4**
Stock Mix (constant)	75%
Total investing cost	0.18%

Portfolio Value at End of Year 19
44.4
0.0

The Safe Withdrawal or Spending Rate will increase with fewer years and decrease with more

Spending Year	Withdrawal for spending in the next year	Portfolio at start of year after withdrawal	Portfolio Value end of year, net of investing cost		Year	Real Return* Stocks	Real Return* Bonds
1	44.4	955.6	808.4		1969	-16.8%	-10.5%
2	44.4	764.0	768.8		1970	-2.7%	11.4%
3	44.4	724.4	789.3		1971	10.1%	6.5%
4	44.4	744.9	844.8		1972	17.9%	0.9%
5	44.4	800.5	647.2		1973	-23.5%	-5.4%
6	44.4	602.8	434.3		1974	-34.2%	-8.7%
7	44.4	389.9	471.5		1975	29.1%	-2.7%
8	44.4	427.1	492.2		1976	16.8%	11.3%
9	44.4	447.9	400.8		1977	-12.2%	-4.8%
10	44.4	356.4	345.0		1978	-1.1%	-8.8%
11	44.4	300.6	301.3		1979	4.3%	-11.3%
12	44.4	256.9	277.6		1980	15.7%	-14.2%
13	44.4	233.2	214.6		1981	-10.5%	0.2%
14	44.4	170.2	202.1		1982	14.8%	31.4%
15	44.4	157.8	179.3		1983	18.7%	-0.5%
16	44.4	135.0	139.1		1984	0.7%	10.9%
17	44.4	94.8	118.9		1985	26.6%	22.9%
18	44.4	74.5	91.4		1986	22.8%	23.4%
19	44.4	47.0	44.4		1987	-4.3%	-8.6%
20	44.4						

Downward spiral to depletion.

Note: The FIRECalc result is 44.2% for 20 years of full withdrawals