

Safe Withdrawal or Spending Rate for 20 years
using the 1930 and 2000 sequences of return

SSR% for 20 years Using the 1930 Sequence of Returns
The Withdrawal Rate that ensures a full withdrawal at the end of the 19th year is **5.9%**.

Inputs	
Initial portfolio value	1,000
Constant dollar (C\$) withdrawal for spending	59.1
Stock Mix (constant)	75%
Total investing cost	0.18%

Portfolio Value at End of Year 19
59.1
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	Real Return*		
				Year	Stocks	Bonds
1	59.1	940.9	830.7	1930	-18.8%	10.2%
2	59.1	771.6	585.0	1931	-35.8%	11.2%
3	59.1	525.9	545.8	1932	-0.9%	18.5%
4	59.1	486.7	685.1	1933	53.2%	4.3%
5	59.1	626.0	611.7	1934	-4.3%	4.3%
6	59.1	552.6	730.1	1935	42.8%	1.1%
7	59.1	671.0	841.5	1936	33.8%	1.1%
8	59.1	782.4	584.3	1937	-33.8%	0.8%
9	59.1	525.2	700.6	1938	45.6%	-2.2%
10	59.1	641.5	606.1	1939	-11.7%	13.7%
11	59.1	547.0	508.9	1940	-10.3%	3.7%
12	59.1	449.8	373.7	1941	-18.8%	-10.7%
13	59.1	314.6	326.5	1942	7.5%	-6.4%
14	59.1	267.4	313.4	1943	23.4%	-0.5%
15	59.1	254.3	287.5	1944	17.3%	1.0%
16	59.1	228.4	288.9	1945	35.1%	1.6%
17	59.1	229.8	181.9	1946	-23.0%	-13.8%
18	59.1	122.8	116.6	1947	-4.0%	-7.4%
19	59.1	57.5	59.1	1948	3.8%	0.3%
20	59.1					

Downward spiral to

SSR% for 20 years Using the 2000 Sequence of Returns
The Withdrawal Rate that ensures a full withdrawal at the end of the 19th year is **5.4%**.

Inputs	
Initial portfolio value	1,000
Constant dollar (C\$) withdrawal for spending	54.0
Stock Mix (constant)	75%
Total investing cost	0.18%

Portfolio Value at End of Year 19
54.0
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	Real Return*		
				Year	Stocks	Bonds
1	54.0	946.0	907.7	2000	-8.8%	11.0%
2	54.0	853.7	771.6	2001	-14.2%	4.7%
3	54.0	717.6	618.0	2002	-22.0%	11.3%
4	54.0	564.0	647.5	2003	20.0%	0.0%
5	54.0	593.5	635.5	2004	9.3%	1.3%
6	54.0	581.4	623.4	2005	3.5%	19.0%
7	54.0	569.3	594.9	2006	11.4%	-15.6%
8	54.0	540.9	554.5	2007	2.1%	4.4%
9	54.0	500.4	376.4	2008	-39.3%	19.3%
10	54.0	322.4	378.6	2009	26.6%	-9.2%
11	54.0	324.5	357.3	2010	12.3%	4.2%
12	54.0	303.3	309.8	2011	-0.8%	11.9%
13	54.0	255.8	284.6	2012	14.8%	1.5%
14	54.0	230.5	273.3	2013	27.8%	-8.4%
15	54.0	219.2	247.9	2014	15.0%	8.2%
16	54.0	193.8	195.9	2015	1.3%	1.1%
17	54.0	141.9	150.8	2016	9.5%	-2.5%
18	54.0	96.7	110.1	2017	18.4%	1.0%
19	54.0	56.1	54.0	2018	-3.7%	-2.8%
20	54.0					

Downward spiral to depletion.

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