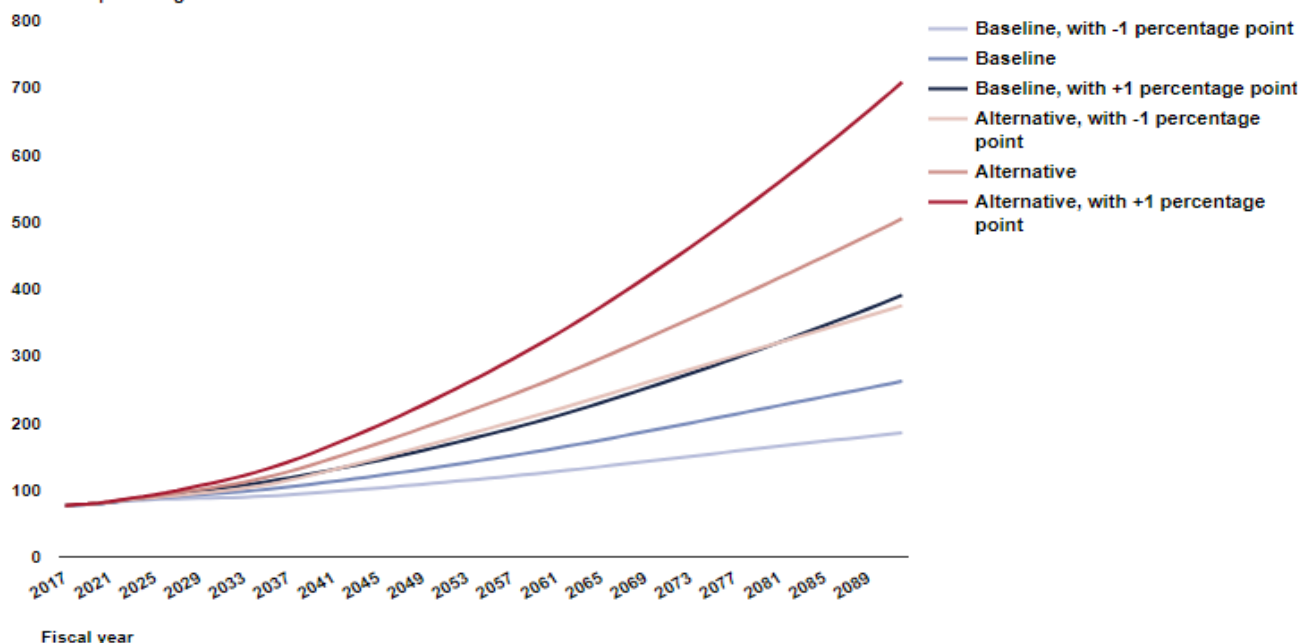




U.S. GOVERNMENT ACCOUNTABILITY OFFICE

Sensitivity to Changes in Interest Rate

Debt as a percentage of GDP



Source: GAO.

Notes: For each factor except for excess health care cost growth, GAO gradually transitions to the sensitivity test assumption beginning in 2019. For excess health care cost growth, GAO transitions to the sensitivity test assumption after 2029. Excess health care cost growth and interest rates are increased and decreased by 1 percent over the long term in each of the simulations. Discretionary spending and revenues are increased and decreased by 5 percent over

Sensitivity to Changes in Interest Rate

Fiscal Year	Baseline, with -1 percentage point	Baseline	Baseline, with +1 percentage point	Alternative, with -1 percentage point	Alternative	Alternative, with +1 percentage point
2017	76.5%	76.5%	76.5%	76.5%	76.5%	76.5%
2018	77.8%	77.8%	77.8%	78.0%	78.0%	78.0%
2019	78.3%	78.3%	78.3%	78.7%	78.7%	78.7%
2020	79.4%	79.6%	79.7%	80.1%	80.3%	80.4%
2021	80.8%	81.2%	81.6%	81.8%	82.2%	82.6%
2022	82.6%	83.2%	83.9%	83.9%	84.6%	85.3%
2023	83.9%	85.0%	86.1%	85.7%	86.8%	87.9%
2024	84.7%	86.2%	87.8%	86.9%	88.5%	90.1%
2025	85.6%	87.7%	89.8%	88.3%	90.4%	92.6%
2026	86.2%	89.0%	91.8%	89.8%	92.6%	95.5%
2027	86.5%	90.0%	93.6%	91.4%	95.0%	98.7%
2028	87.2%	91.5%	96.1%	93.4%	97.9%	102.5%
2029	87.5%	92.7%	98.2%	94.9%	100.3%	106.0%
2030	87.6%	93.6%	100.1%	96.3%	102.6%	109.4%
2031	87.9%	94.8%	102.2%	98.1%	105.4%	113.2%
2032	88.4%	96.2%	104.5%	100.1%	108.3%	117.1%
2033	89.1%	97.6%	106.9%	102.3%	111.4%	121.3%

2034	89.8%	99.1%	109.3%	104.8%	114.8%	125.8%
2035	90.6%	100.8%	112.0%	107.6%	118.5%	130.7%
2036	91.6%	102.5%	114.8%	110.7%	122.6%	135.9%
2037	92.6%	104.4%	117.7%	114.1%	127.0%	141.5%
2038	93.7%	106.2%	120.6%	117.7%	131.6%	147.5%
2039	94.9%	108.3%	123.7%	121.6%	136.6%	153.8%
2040	96.1%	110.3%	126.9%	125.8%	141.9%	160.5%
2041	97.3%	112.4%	130.1%	130.0%	147.2%	167.2%
2042	98.5%	114.5%	133.4%	134.1%	152.5%	174.1%
2043	99.9%	116.7%	136.8%	138.4%	158.0%	181.2%
2044	101.1%	118.9%	140.2%	142.6%	163.4%	188.2%
2045	102.4%	121.1%	143.6%	146.8%	168.9%	195.4%
2046	103.9%	123.4%	147.3%	151.2%	174.6%	202.8%
2047	105.3%	125.8%	151.0%	155.6%	180.4%	210.5%
2048	106.7%	128.1%	154.7%	159.9%	186.2%	218.1%
2049	108.2%	130.6%	158.5%	164.4%	192.1%	226.1%
2050	109.7%	133.1%	162.5%	168.9%	198.1%	234.2%
2051	111.2%	135.6%	166.5%	173.4%	204.2%	242.4%
2052	112.8%	138.1%	170.5%	177.9%	210.2%	250.7%
2053	114.3%	140.6%	174.6%	182.5%	216.4%	259.1%
2054	115.8%	143.2%	178.7%	187.0%	222.6%	267.7%
2055	117.4%	145.8%	182.9%	191.5%	228.8%	276.4%
2056	118.9%	148.4%	187.2%	196.1%	235.1%	285.2%
2057	120.5%	151.0%	191.5%	200.7%	241.5%	294.2%
2058	122.1%	153.7%	195.9%	205.3%	247.9%	303.3%
2059	123.7%	156.4%	200.4%	209.9%	254.4%	312.5%
2060	125.4%	159.2%	204.9%	214.6%	260.9%	321.9%
2061	127.1%	162.1%	209.7%	219.4%	267.7%	331.7%
2062	128.9%	165.0%	214.6%	224.3%	274.7%	341.7%
2063	130.8%	168.0%	219.6%	229.3%	281.7%	351.9%
2064	132.6%	171.1%	224.7%	234.2%	288.8%	362.2%
2065	134.5%	174.1%	229.8%	239.2%	295.9%	372.7%
2066	136.4%	177.3%	235.0%	244.3%	303.2%	383.4%
2067	138.3%	180.4%	240.4%	249.4%	310.5%	394.3%
2068	140.2%	183.6%	245.8%	254.5%	317.9%	405.3%
2069	142.2%	186.9%	251.3%	259.6%	325.4%	416.5%
2070	144.1%	190.0%	256.7%	264.6%	332.7%	427.6%
2071	146.0%	193.2%	262.1%	269.5%	340.0%	438.8%
2072	147.9%	196.3%	267.6%	274.5%	347.4%	450.1%
2073	149.8%	199.5%	273.1%	279.5%	354.8%	461.6%
2074	151.7%	202.8%	278.8%	284.5%	362.3%	473.2%
2075	153.7%	206.0%	284.5%	289.6%	369.9%	485.1%
2076	155.6%	209.3%	290.3%	294.7%	377.5%	497.0%
2077	157.5%	212.6%	296.2%	299.7%	385.2%	509.2%
2078	159.5%	215.9%	302.1%	304.8%	392.9%	521.4%
2079	161.4%	219.2%	308.1%	309.9%	400.7%	533.8%
2080	163.3%	222.5%	314.1%	314.9%	408.4%	546.4%
2081	165.2%	225.8%	320.1%	320.0%	416.2%	559.0%

2082	167.0%	229.0%	326.2%	325.0%	424.1%	571.9%
2083	168.9%	232.3%	332.4%	330.0%	431.9%	584.8%
2084	170.7%	235.6%	338.6%	335.0%	439.8%	597.9%
2085	172.5%	238.8%	344.8%	339.9%	447.7%	611.1%
2086	174.3%	242.1%	351.1%	344.9%	455.6%	624.4%
2087	176.0%	245.4%	357.4%	349.8%	463.6%	637.9%
2088	177.8%	248.6%	363.8%	354.8%	471.6%	651.6%
2089	179.6%	251.9%	370.2%	359.7%	479.6%	665.4%
2090	181.3%	255.2%	376.8%	364.7%	487.7%	679.4%
2091	183.1%	258.5%	383.3%	369.6%	495.8%	693.5%
2092	185.0%	262.0%	390.3%	374.9%	504.4%	708.3%