



**U.S. Presidential Economics**

**Federal Debt to GDP Ratio**

1969 to 2012

Source: Bureau of Economic Analysis - see GDP and Federal Debt sources.

Web link: <http://www.bea.gov/national/> <http://www.bea.gov/Table/Table.cfm?ReqID=9&step=1>

- Interest Rates
- Money Supply
- Federal Debt
- Federal Tax Receipts
- Federal Spending
- Defense Spending
- Social Spending
- Social Spending Less Medical Spending
- Government Medical Spending
- Federal Discretionary Spending
- Federal Debt to GDP Ratio
- Mean to Median Income Premium

Inflation adjust:  No

This spreadsheet accumulates the annual change in Federal Debt to GDP Ratio to an index value that is set at 1.00 in the first year of the analysis period. The index is then multiplied each year by (1 ± the annual change). The compound, or average, rate of return is then calculated during each presidential term by the formula: (Ending index value / Beginning index value) ^ (1 / # years in analysis period) - 1. When multiple presidential terms are analyzed, the index value at the end of the last presidential term for that party carries forward and becomes the beginning index value for the next presidential term of that party. To adjust for inflation, each year's percentage change is divided by the fraction (annual % change) / (1 + inflation rate).

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When the President was a Democrat

When the President was a Republican

Year	Federal Debt	Gross Domestic Product	Federal Debt to GNP Ratio	Annual change in the Federal Debt:GNP ratio	Inflation	Index value (reflects inflation if inflation-adjust box is checked)	Annual change in the Federal Debt:GNP ratio	Index value (reflects inflation if inflation-adjust box is checked)	Compound return during administration	Annual change in the Federal Debt:GNP ratio	Index value (reflects inflation if inflation-adjust box is checked)	Compound return during administration
1927	0	0.00	0.00	0.00%		1.00		1.00				
1928	0	103.60	0.00	0.00%	-1.20%	1.00		1.00				
1929	0	103.60	0.00	0.00%	0.60%	1.00		1.00				
1930	0	91.20	0.00	0.00%	-6.40%	1.00		1.00				
1931	0	76.50	0.00	0.00%	-9.30%	1.00		1.00				
1932	0	58.70	0.00	0.00%	-10.30%	1.00		1.00				0.00%
1933	0	56.40	0.00	0.00%	0.80%	1.00		1.00	0.00%	0.00%		
1934	0	66.00	0.00	0.00%	1.50%	1.00		1.00	0.00%	0.00%		
1935	0	73.30	0.00	0.00%	3.00%	1.00		1.00	0.00%	0.00%		
1936	0	83.80	0.00	0.00%	1.40%	1.00		1.00	0.00%	0.00%		
1937	0	91.90	0.00	0.00%	2.90%	1.00		1.00	0.00%	0.00%		
1938	0	86.10	0.00	0.00%	-2.80%	1.00		1.00	0.00%	0.00%		
1939	0	92.20	0.00	0.00%	0.00%	1.00		1.00	0.00%	0.00%		
1940	0	101.40	0.00	0.00%	0.70%	1.00		1.00	0.00%	0.00%		
1941	0	128.70	0.00	0.00%	9.90%	1.00		1.00	0.00%	0.00%		
1942	0	161.90	0.00	0.00%	9.00%	1.00		1.00	0.00%	0.00%		
1943	0	198.60	0.00	0.00%	3.00%	1.00		1.00	0.00%	0.00%		
1944	0	219.80	0.00	0.00%	2.30%	1.00		1.00	0.00%	0.00%		
1945	0	223.00	0.00	0.00%	2.20%	1.00		1.00	0.00%	0.00%		
1946	0	222.20	0.00	0.00%	18.10%	1.00		1.00	0.00%	0.00%		
1947	0	244.10	0.00	0.00%	8.80%	1.00		1.00	0.00%	0.00%		
1948	0	269.10	0.00	0.00%	3.00%	1.00		1.00	0.00%	0.00%		
1949	0	267.20	0.00	0.00%	-2.10%	1.00		1.00	0.00%	0.00%		
1950	0	293.70	0.00	0.00%	5.90%	1.00		1.00	0.00%	0.00%		
1951	0	339.30	0.00	0.00%	6.00%	1.00		1.00	0.00%	0.00%		
1952	0	358.30	0.00	0.00%	0.80%	1.00		1.00	0.00%	0.00%	0.00%	
1953	0	379.30	0.00	0.00%	0.70%	1.00		1.00		0.00%	1.00	
1954	0	380.40	0.00	0.00%	-0.70%	1.00		1.00		0.00%	1.00	
1955	0	414.70	0.00	0.00%	0.40%	1.00		1.00		0.00%	1.00	
1956	0	437.40	0.00	0.00%	3.00%	1.00		1.00		0.00%	1.00	
1957	0	461.10	0.00	0.00%	2.90%	1.00		1.00		0.00%	1.00	
1958	0	467.20	0.00	0.00%	1.80%	1.00		1.00		0.00%	1.00	
1959	0	506.60	0.00	0.00%	1.70%	1.00		1.00		0.00%	1.00	
1960	0	526.40	0.00	0.00%	1.40%	1.00		1.00		0.00%	1.00	0.00%
1961	2	544.80	0.00	0.00%	0.70%	1.00	0.00%	1.00	0.00%	0.00%		
1962	7	585.70	0.01	199.27%	1.30%	2.99	199.27%	2.99				
1963	8	617.80	0.01	2.49%	1.60%	3.07	2.49%	3.07				
1964	13	663.60	0.02	45.47%	1.00%	4.46	45.47%	4.46				
1965	13	719.10	0.02	-4.03%	1.90%	4.28	-4.03%	4.28				
1966	16	787.70	0.02	14.46%	3.50%	4.90	14.46%	4.90				
1967	30	832.40	0.04	76.49%	3.00%	8.65	76.49%	8.65				
1968	36	909.80	0.04	8.65%	4.70%	9.40	8.65%	9.40	0.00%	1.00	0.00%	
1969	30	984.40	0.03	-24.48%	6.20%	7.10		7.10		-24.48%	0.76	
1970	45	1,038.30	0.04	44.95%	5.60%	10.29		10.29		44.95%	1.09	
1971	70	1,126.80	0.06	43.02%	3.30%	14.72		14.72		43.02%	1.57	
1972	90	1,237.90	0.07	17.42%	3.40%	17.28		17.28		17.42%	1.84	
1973	96	1,382.30	0.07	-4.40%	8.70%	16.52		16.52		-4.40%	1.76	
1974	107	1,499.50	0.07	2.13%	12.30%	16.87		16.87		2.13%	1.79	
1975	182	1,637.70	0.11	55.77%	6.90%	26.28		26.28		55.77%	2.80	
1976	239	1,824.60	0.13	18.16%	4.90%	31.05		31.05		18.16%	3.30	16.11%
1977	290	2,030.10	0.14	8.81%	6.70%	33.79	8.81%	33.79	1.09			
1978	327	2,293.80	0.14	0.03%	9.00%	33.80	0.03%	33.80	1.09			
1979	352	2,562.20	0.14	-3.66%	13.30%	32.56	-3.66%	32.56	1.05			
1980	421	2,788.10	0.15	9.93%	12.50%	35.79	9.93%	35.79	1.15	3.61%		3.30
1981	490	3,126.80	0.16	3.60%	8.90%	37.08		37.08		3.60%	3.42	
1982	638	3,253.20	0.20	25.31%	3.80%	46.47		46.47		25.31%	4.29	
1983	835	3,534.60	0.24	20.43%	3.80%	55.96		55.96		20.43%	5.17	
1984	1,034	3,930.90	0.26	11.37%	3.90%	62.33		62.33		11.37%	5.75	
1985	1,251	4,217.50	0.30	12.76%	3.80%	70.28		70.28		12.76%	6.49	
1986	1,485	4,460.10	0.33	12.21%	1.10%	78.86		78.86		12.21%	7.28	
1987	1,676	4,736.40	0.35	6.31%	4.40%	83.84		83.84		6.31%	7.74	
1988	1,848	5,100.40	0.36	2.35%	4.40%	85.81		85.81		2.35%	7.92	
1989	2,012	5,482.10	0.37	1.31%	4.60%	86.93		86.93		1.31%	8.02	
1990	2,225	5,800.50	0.38	4.52%	6.10%	90.86		90.86		4.52%	8.39	
1991	2,475	5,992.10	0.41	7.69%	3.10%	97.85		97.85		7.69%	9.03	
1992	2,803	6,342.30	0.44	7.01%	2.90%	104.70		104.70		7.01%	9.66	9.36%
1993	3,101	6,667.40	0.47	5.23%	2.70%	110.17	5.23%	110.17	1.15			
1994	3,331	7,085.20	0.47	1.06%	2.70%	111.34	2.70%	111.34	1.23			
1995	3,539	7,414.70	0.48	1.54%	2.50%	113.06	1.54%	113.06	1.24			
1996	3,693	7,838.50	0.47	-1.29%	3.30%	111.60	-1.29%	111.60	1.23			
1997	3,745	8,332.40	0.45	-4.60%	1.70%	106.47	-4.60%	106.47	1.17			
1998	3,703	8,793.50	0.42	-6.31%	1.60%	99.75	-6.31%	99.75	1.10			
1999	3,608	9,353.50	0.39	-8.40%	2.70%	91.37	-8.40%	91.37	1.01			
2000	3,424	9,951.50	0.34	-10.82%	3.40%	81.49	-10.82%	81.49	0.90	-3.08%		9.66
2001	3,389	10,286.20	0.33	-4.22%	1.60%	78.05		78.05		-4.22%	9.26	
2002	3,667	10,642.30	0.34	4.58%	2.40%	81.62		81.62		4.58%	9.68	
2003	4,090	11,142.20	0.37	6.51%	1.90%	86.94		86.94		6.51%	10.31	
2004	4,516	11,853.30	0.38	3.81%	3.30%	90.25		90.25		3.81%	10.70	
2005	4,869	12,623.00	0.39	1.23%	3.40%	91.36		91.36		1.23%	10.84	
2006	5,116	13,377.20	0.38	-0.85%	2.50%	90.59		90.59		-0.85%	10.74	
2007	5,431	14,028.70	0.39	1.23%	4.10%	91.70		91.70		1.23%	10.88	
2008	6,187	14,291.50	0.43	11.83%	0.10%	102.55		102.55		11.83%	12.16	2.91%
2009	7,645	13,973.70	0.55	26.37%	2.70%	129.68	26.37%	129.68	1.13			
2010	9,135	14,498.90	0.63	15.17%	1.50%	149.24	15.17%	149.24	1.31			
2011	10,529	15,075.70	0.70	10.85%	3.00%	165.43	10.85%	165.43	1.45			
2012	11,732	15,606.10	0.75	7.64%	1.60%	178.07	7.64%	178.07	1.56	14.79%		

Annual change in Federal Debt to GDP Ratio

1969 2012 6.91%

Total number of years held Presidency

16

28

Compound rate of growth

2.81%

9.33%