

Online US federal debt monitor

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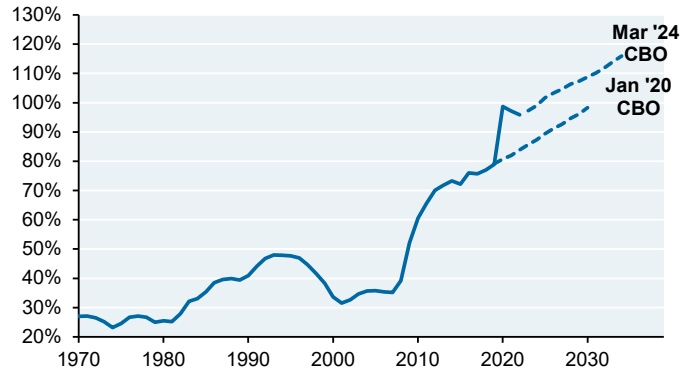
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Debt levels as % of GDP and per capita

Debt held by the public

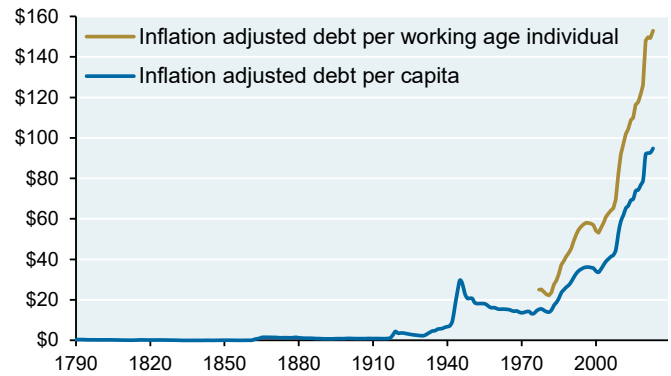
% of GDP



Source: CBO, JPMAM, March 2024

US inflation adjusted Federal debt per capita

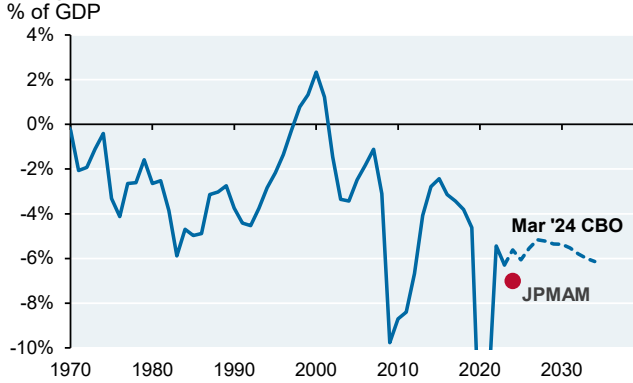
US\$, thousands



Source: US Treasury, Fed Reserve, Minneapolis Fed, Census, JPMAM, 2023

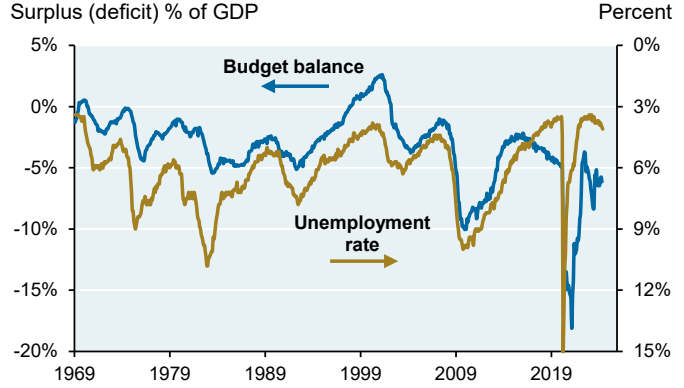
Budget deficits and defense spending

Budget deficit



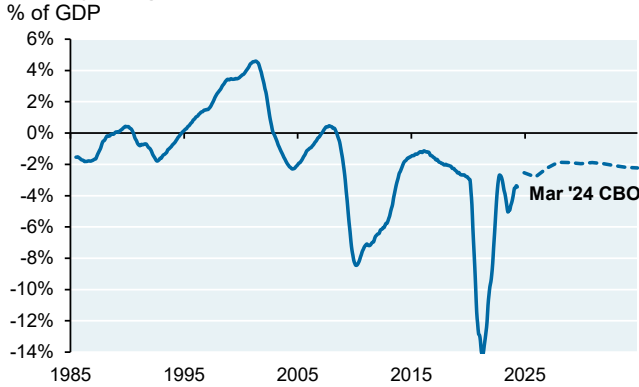
Source: CBO, JPMAM, March 2024

US budget balance vs unemployment rate



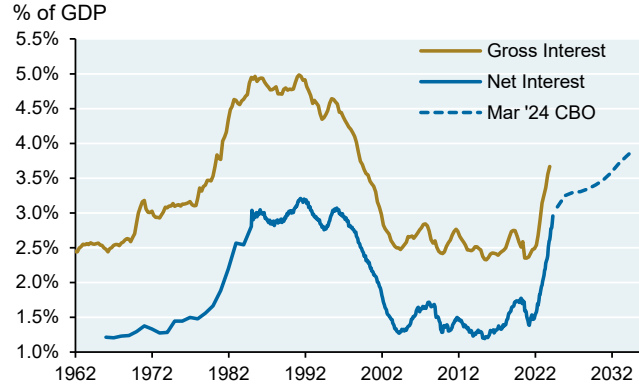
Source: Bloomberg, JPMAM, June 2024

Primary budget balance (ex. interest)



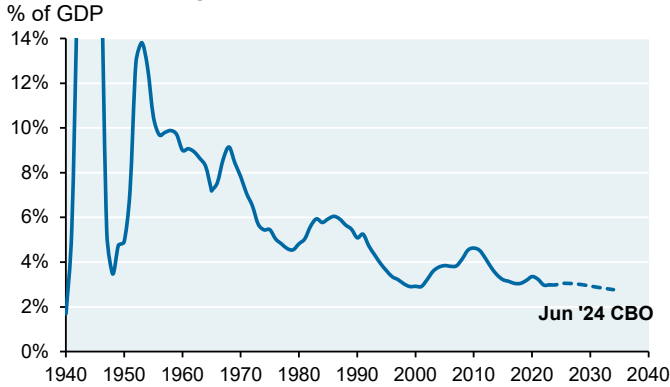
Source: BEA, CBO, US Treasury, JPMAM, May 2024

Interest expense



Source: BEA, CBO, US Treasury, JPMAM, May 2024

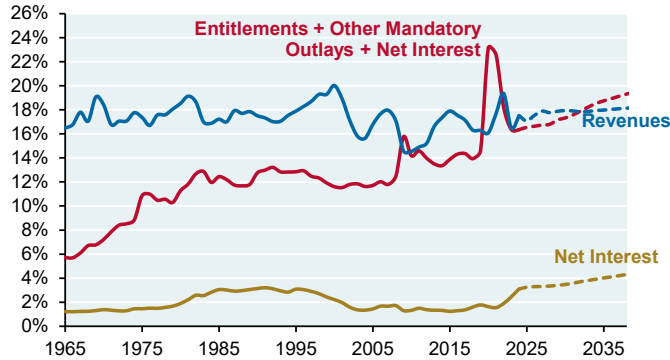
Federal spending on defense



Source: CBO, JPMAM, June 2024. Dots are CBO projections

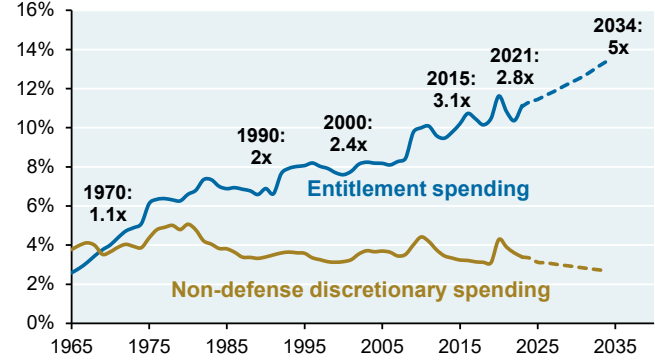
Entitlements

Entitlement spending, mandatory outlays and net interest payments vs revenues, % of GDP



Source: Congressional Budget Office, JPMAM, March 2024

What does the Federal government spend money on? % of GDP, with ratio of entitlement to non-defense discretionary



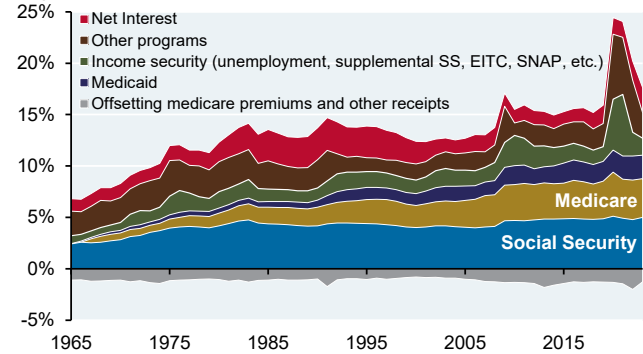
Source: CBO, JPMAM, June 2024. Dots are CBO projections

Initial estimates vs. actual costs of healthcare

| Benefit | Year | Annualized Cost (USD billions) | | Actual to estimated cost ratio |
|---------------------------------|------|--------------------------------|--------|--------------------------------|
| | | Est. | Actual | |
| Medicare hospital insurance | 1965 | 9.0 | 67.0 | 7.4 to 1 |
| Medicare (entire program) | 1967 | 12.0 | 110.0 | 9.2 to 1 |
| Medicare ESRD program | 1972 | 0.1 | 0.2 | 2.3 to 1 |
| Medicaid DSH program | 1987 | 1.0 | 17.0 | 17 to 1 |
| Medicare home care benefit | 1988 | 4.0 | 10.0 | 2.5 to 1 |
| Medicare catastrophic coverage* | 1988 | 5.7 | 11.8 | 2.1 to 1 |
| Massachusetts Health Reform | 2006 | 0.7 | 0.9 | 1.2 to 1 |

Source: US Congress Joint Economic Committee. July 2009. * = multi-year estimate

Entitlement spending, mandatory outlays and net interest payments, % of GDP



Source: Congressional Budget Office, JPMAM, March 2024

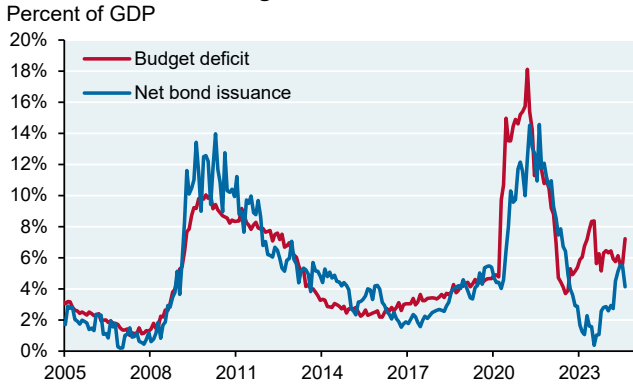
Options for reducing the deficit (US\$, billions)

| | Cumulative savings (2023-2032) | |
|--|--------------------------------|---------|
| | Low | High |
| Decrease spending | | |
| Cut defense spending | \$895 | \$995 |
| Caps on Medicaid spending | \$501 | \$871 |
| Use alternative inflation measure for social security | \$247 | \$257 |
| Reduce social security benefits for high earners | \$40 | \$184 |
| Raise retirement age for social security | \$111 | \$121 |
| Increase revenues | | |
| Consumption tax | \$1,950 | \$3,050 |
| Further limit itemized deductions | \$541 | \$2,507 |
| Increase individual income tax rates | \$502 | \$1,329 |
| Increase maximum earnings subject to payroll taxes | \$670 | \$1,204 |
| Reduce tax subsidies for employment-based health insurance | \$500 | \$893 |
| Carbon tax | \$571 | \$865 |
| Increase Medicare Part B premiums | \$57 | \$448 |
| Limit deductions for charitable giving | \$257 | \$272 |
| Financial transaction tax | \$254 | \$264 |
| Motor vehicle fuel tax | \$230 | \$240 |
| Eliminate/modify head of household filing status | \$71 | \$192 |
| Change tax treatment of cap gains from sales of inherited assets | \$146 | \$156 |
| Limit contributions to retirement plans | \$142 | \$152 |
| Increase corporate taxes by 1% | \$119 | \$129 |
| Raise capital gains and dividend taxes by 2% | \$92 | \$102 |
| Tax carried interest as ordinary income | \$10 | \$12 |

Source: CBO, December 2022

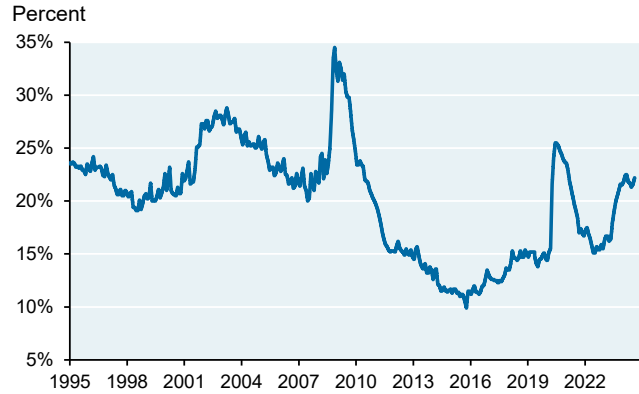
Debt financing topics

Bond issuance vs budget deficit



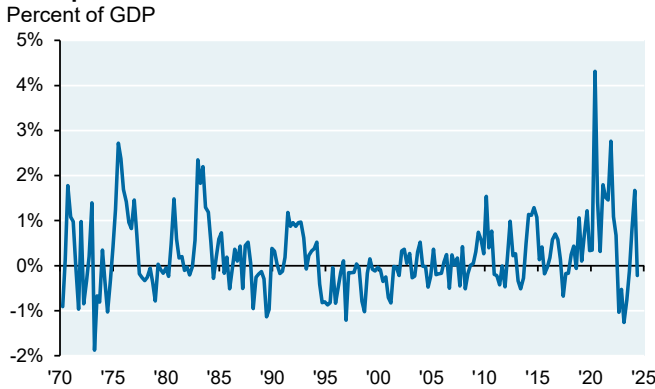
Source: US Treasury, JPMAM, August 2024

US T-Bill share of US debt



Source: US Treasury, JPMAM, August 2024

Bank purchases of treasuries



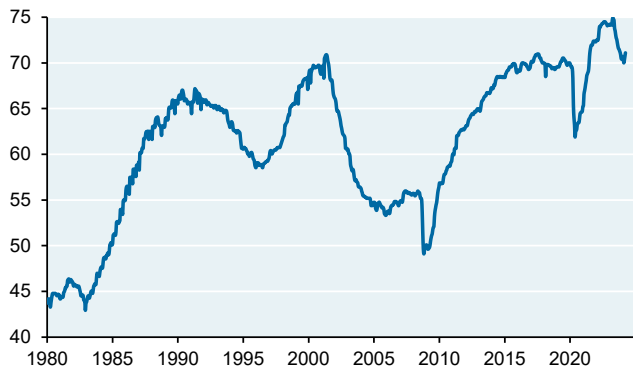
Source: Federal Reserve, JPMAM, Q2 2024

Federal Reserve balance sheet



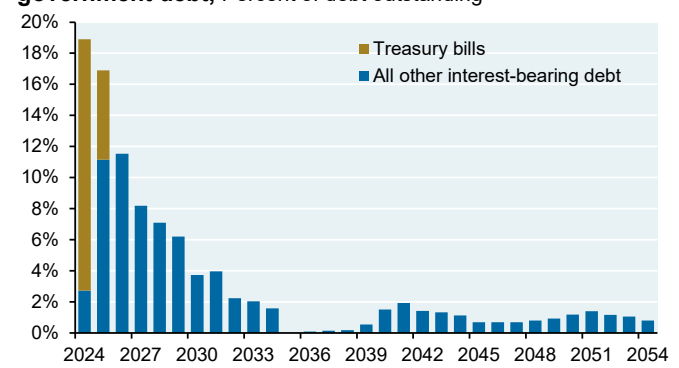
Source: Bloomberg, JPMAM, June 2024

Weighted average maturity of marketable debt outstanding



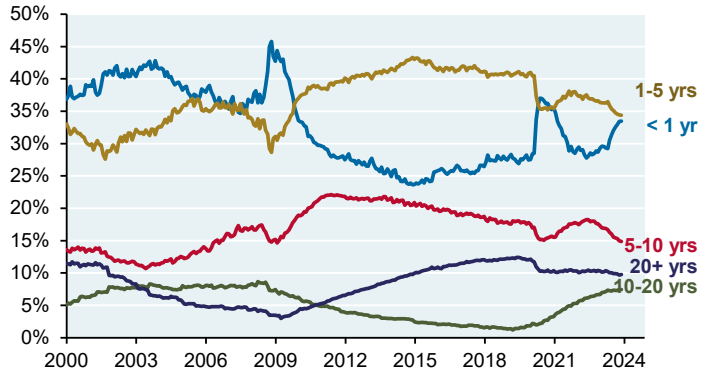
Source: US Treasury, Q2 2024

Maturity distribution of outstanding interest-bearing government debt, Percent of debt outstanding



Source: US Treasury, JPMAM, September 2024

Marketable interest-bearing public debt outstanding by maturity, Percent of debt outstanding



Source: US Treasury, Haver Analytics, JPMAM, June 2024

10-year Treasury term premium
Percent



Source: FRBNY, JPMAM, September 2024

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