TYCHOS SECTOR RISK REPORT

		2017	2018	2019	2020	2021 Q2
	Debt to GDP	157%	156%	157%	171%	162%
Total Private Debt	5 year % change	2%	2%	3%	12%	6%
	\$ in billions	\$30,643	\$32,113	\$33,525	\$35,817	\$36,764
	Debt to GDP	80%	80%	82%	91%	85%
Business Debt	5 year % change	14%	13%	12%	21%	12%
Business Debt	\$ in billions	\$15,496	\$16,510	\$17,424	\$19,100	\$19,433
	Bond Default Rate	0.3%	0.6%	1.0%	1.9%	0.3%
	Debt to GDP	78%	76%	75%	80%	76%
Hausahald Daht	5 year % change	-8%	-8%	-6%	3%	-1%
Household Debt	\$ in billions	\$15,147	\$15,603	\$16,101	\$16,717	\$17,331
	*Delinquency Rate	3.1%	3.1%	3.2%	2.3%	2.3%

^{*} Business and Private Debt totals include private placement securities.
* 90+ Day delinquency rate

Areas of Concern

Corporate Sect	tors	2017	2018	2019	2020	2021 Q2
	Debt to GDP	6.6%	7.0%	7.2%	7.6%	8.4%
Multi-Family Residential	5 year % change	19%	28%	30%	32%	37%
Mortgages	\$ in billions	\$1,236	\$1,363	\$1,488	\$1,623	\$1,755
	Debt to GDP	7.2%	6.9%	7.4%	7.8%	7.2%
	5 year % change	24%	17%	24%	24%	11%
Communication Services	\$ in billions	\$1,401	\$1,421	\$1,584	\$1,634	\$1,647
	Default Rate	0.0%	0.0%	0.1%	5.2%	0.0%
	Debt to GDP	6.2%	6.1%	7.4%	8.1%	7.3%
	5 year % change	20%	12%	31%	46%	28%
Consumer Discretionary	\$ in billions	\$1,208	\$1,242	\$1,578	\$1,698	\$1,655
	Default Rate	1.4%	1.6%	0.7%	1.2%	0.0%
	Debt to GDP	6.2%	6.4%	6.8%	7.0%	5.9%
	5 year % change	31%	40%	36%	15%	-1%
Healthcare	\$ in billions	\$1,197	\$1,321	\$1,462	\$1,464	\$1,348
	Default Rate	0.1%	2.2%	2.2%	2.3%	0.0%
	Debt to GDP	5.3%	5.0%	5.4%	6.0%	5.6%
	5 year % change	72%	53%	58%	50%	26%
Information Technology	\$ in billions	\$1,032	\$1,033	\$1,161	\$1,245	\$1,276
	Default Rate	0.3%	0.0%	0.0%	0.2%	0.0%
	Debt to GDP	2.4%	2.4%	2.5%	2.6%	2.3%
_	5 year % change	39%	28%	28%	31%	6%
Automotive	\$ in billions	\$468	\$497	\$526	\$539	\$513
	Default Rate	0.0%	0.0%	0.0%	0.0%	0.0%

Private Placements		2017	2018	2019	2020	2021 Q2
Private Placement Securities	to GDP	4.9%	4.9%	5.4%	6.7%	6.5%
	5 year % change	46%	34%	38%	54%	49%
	\$ in billions	\$949	\$997	\$1,158	\$1,394	\$1,476

Household Sec	ctors	2017	2018	2019	2020	2021 Q2
	Debt to GDP	3.3%	2.7%	2.7%	3.7%	3.9%
Margin Debt	5 year % change	51%	-5%	-4%	32%	48%
	\$ in billions	\$643	\$554	\$579	\$778	\$882















Areas of Concern Continued ————

Private Debt Ler	nders	2017	2018	2019	2020	2021 Q2
Aganay/CSE backed	Debt to GDP	10.9%	11.2%	11.3%	11.6%	10.8%
Agency/GSE backed	5 year % change	23%	20%	20%	19%	9%
Mortgage Pools	\$ in billions	\$2,125	\$2,291	\$2,405	\$2,427	\$2,459
	Debt to GDP	6.7%	6.8%	7.0%	8.4%	7.9%
Federal Government (Student &	5 year % change	40%	15%	22%	37%	27%
other loans)	\$ in billions	\$1,305	\$1,403	\$1,497	\$1,748	\$1,797
	Debt to GDP	4.7%	4.9%	5.0%	5.3%	5.1%
Credit Unions	5 year % change	34%	35%	30%	28%	20%
	\$ in billions	\$921	\$1,004	\$1,063	\$1,115	\$1,153
Deat of West (Ferritors I const.)	Debt to GDP	1.9%	3.6%	3.9%	4.3%	4.2%
Rest of World (Foreign Loans to	5 year % change	118%	331%	300%	280%	284%
US Businesses)	\$ in billions	\$376	\$733	\$831	\$906	\$951
	Debt to GDP	3.3%	2.7%	2.7%	3.7%	3.9%
Margin Accounts	5 year % change	51%	-5%	-4%	35%	48%
	\$ in billions	\$643	\$554	\$579	\$778	\$882

Securities Ma	rket	2017	2018	2019	2020	2021 Q1
	Debt to GDP	2.8%	3.0%	3.2%	3.2%	2.9%
Asset-Backed Securities: CLO	5 year % change	60%	63%	45%	29%	17%
	\$ in billions	\$541	\$617	\$686	\$662	\$631

[•] CLO - Collateralized Loan Obligations

Notional Amount Deriva	ntives by Type	2017	2018	2019	2020	2021 Q2
	Debt to GDP	14.3%	11.9%	14.4%	18.0%	21.1%
End User (Non-Trading)	5 year % change	-49%	-58%	-36%	18%	30%
	\$ in billions	\$2,785	\$2,447	\$3,077	\$3,768	\$4,786
Derivative Activity by C	Contract Type	2017	2018	2019	2020	2021 Q2
	Debt to GDP	15.8%	16.4%	17.8%	18.1%	18.7%
Equities	5 year % change	30%	37%	21%	37%	30%
	\$ in billions	\$3,080	\$3,374	\$3,796	\$3,775	\$4,255

Refinance Stati	stics	2017	2018	2019	2020	2021 Q1
Total Combined Cash-out and	to GDP	0.5%	0.5%	0.6%	1.1%	1.5%
Second Mortgages/HELOC	5 Year % Change	21%	39%	164%	206%	188%
Consolidation Volume	\$ in billions	\$94	\$101	\$138	\$228	\$261



Corporate Debt Summary

Debt by Indus	try	2017	2018	2019	2020	2021 Q2
	Debt to GDP	21.7%	22.2%	22.2%	22.7%	24.5%
	5 year % change	3%	10%	11%	12%	17%
CRE	\$ in billions	\$4,055	\$4,316	\$4,566	\$4,854	\$5,115
	Default Rate	n/a	n/a	n/a	n/a	n/a
	HY Debt to GDP	n/a	n/a	n/a	n/a	n/a
	Debt to GDP	7.5%	7.1%	7.6%	8.2%	7.2%
	5 year % change	-6%	-9%	-5%	3%	-5%
Utilities	\$ in billions	\$1,461	\$1,467	\$1,615	\$1,712	\$1,642
	Default Rate	0.0%	0.3%	0.4%	0.3%	0.0%
	HY Debt to GDP	0.41%	0.30%	0.31%	0.68%	0.65%
	Debt to GDP	7.2%	6.9%	7.4%	7.8%	7.2%
-	5 year % change	24%	17%	24%	24%	11%
Communication Services	\$ in billions	\$1,401	\$1,421	\$1,584	\$1,634	\$1,647
	Default Rate	0.0%	0.0%	0.1%	5.2%	0.0%
	HY Debt to GDP Debt to GDP	1.02% 9.4%	0.85% 9.3%	0.93% 9.6%	0.89%	0.87% 8.3%
	5 year % change	-12%	-6%	9.6%	10.5%	2%
In decaded at	\$ in billions	\$1,828	\$1,917	\$2,043	\$2,203	\$1,879
Industrials	Default Rate	0.1%	0.2%	0.1%	2.7%	0.0%
+	HY Debt to GDP	0.1%	0.90%	1.10%	1.27%	1.27%
	Debt to GDP	6.2%	6.1%	7.4%	8.1%	7.3%
	5 year % change	20%	12%	31%	46%	28%
Consumer Discretionary	\$ in billions	\$1,208	\$1,242	\$1,578	\$1.698	\$1,655
Jonethan Disoretionary	Default Rate	1.4%	1.6%	0.7%	1.2%	0.0%
	HY Debt to GDP	1.40%	1.28%	1.44%	2.05%	1.91%
	Debt to GDP	6.2%	6.4%	6.8%	7.0%	5.9%
<u> </u>	5 year % change	31%	40%	36%	15%	-1%
Healthcare	\$ in billions	\$1,197	\$1,321	\$1,462	\$1,464	\$1,348
	Default Rate	0.1%	2.2%	2.2%	2.3%	0.0%
	HY Debt to GDP	0.61%	0.64%	0.58%	0.55%	0.49%
	Debt to GDP	5.3%	5.0%	5.4%	6.0%	5.6%
	5 year % change	72%	53%	58%	50%	26%
nformation-Technology	\$ in billions	\$1,032	\$1,033	\$1,161	\$1,245	\$1,276
	Default Rate	0.3%	0.0%	0.0%	0.2%	0.0%
	HY Debt to GDP	0.76%	0.78%	0.66%	0.62%	0.53%
	Debt to GDP	6.4%	5.9%	6.1%	6.1%	4.7%
-	5 year % change	6%	-8%	-12%	-15%	-31%
Energy	\$ in billions	\$1,243	\$1,212	\$1,311	\$1,274	\$1,077
	Default Rate HY Debt to GDP	0.7% 1.21%	0.4%	3.0% 0.80%	3.6% 1.00%	0.5%
	Debt to GDP	3.6%	3.4%	3.7%	4.0%	3.7%
	5 year % change	10%	3%	6%	9%	6%
Dool Fetete	\$ in billions	\$699	\$703	\$792	\$835	\$842
Real Estate	Default Rate	0.0%	0.0%	0.0%	1.0%	0.1%
	HY Debt to GDP	0.42%	0.40%	0.36%	0.41%	0.38%
	Debt to GDP	3.7%	3.8%	3.8%	4.1%	3.6%
	5 year % change	16%	9%	11%	16%	-4%
Consumer Staples	\$ in billions	\$727	\$770	\$816	\$851	\$815
_ CCaor Clapico	Default Rate	0.4%	0.3%	2.5%	1.7%	0.0%
†	HY Debt to GDP	0.27%	0.29%	0.30%	0.46%	0.42%
	Debt to GDP	2.5%	2.4%	2.4%	2.4%	2.1%
	5 year % change	1%	-6%	-6%	-7%	-15%
Materials	\$ in billions	\$494	\$500	\$516	\$506	\$486
	Default Rate	0.3%	0.0%	0.1%	0.2%	0.0%
	HY Debt to GDP	0.52%	0.48%	0.47%	0.46%	0.41%
	Debt to GDP	2.4%	2.4%	2.5%	2.6%	2.3%
	5 year % change	39%	28%	28%	31%	6%
Memo: Automotive	\$ in billions	\$468	\$497	\$526	\$539	\$513
	Default Rate	0.0%	0.0%	0.0%	0.0%	0.0%
	HY Debt to GDP	0.19%	0.14%	0.16%	0.70%	0.65%
	Debt to GDP	2.0%	2.0%	2.0%	2.1%	2.0%
			4%	-1%	6%	0%
	5 year % change	9%				
Memo: Agriculture	5 year % change \$ in billions	\$390	\$402	\$419	\$432	\$442
Memo: Agriculture	5 year % change \$ in billions *Delinquency Rate	\$390 1.5%	\$402 1.7%	1.8%	1.9%	1.5%
Memo: Agriculture	5 year % change \$ in billions *Delinquency Rate HY Debt to GDP	\$390 1.5% n/a	\$402 1.7% n/a	1.8% n/a	1.9% n/a	1.5% n/a
Memo: Agriculture	5 year % change \$ in billions *Delinquency Rate	\$390 1.5%	\$402 1.7%	1.8%	1.9%	1.5%

Corporate sector refers to non-financial corporations and does not include financial institutions
 Delinquent Commercial Bank loans (30+ Days) as a percentage of total outstanding loans





No Current Concern

HY: High-Yield (BB or Lower)



Other Non-Financial Corporate Liabilities

Private Placements		2017	2018	2019	2020	2021 Q2
	to GDP	4.9%	4.9%	5.4%	6.7%	6.5%
Private Placement Securities	5 year % change	46%	34%	38%	54%	49%
	\$ in billions	\$949	\$997	\$1,158	\$1,394	\$1,476

• A Private Placement is a sale of stock shares or bonds to pre-selected investors and institutions rather than on the open market.

Commercial Real Estate Debt Summary

CRE Debt		2017	2018	2019	2020	2021 Q2
	Debt to GDP	7.0%	7.2%	7.6%	8.4%	8.0%
Multi-Family Residential Mortgages	5 year % change	28%	30%	32%	37%	27%
Mortgages	\$ in billions	\$1,363	\$1,488	\$1,623	\$1,755	\$1,811
	Debt to GDP	13.9%	13.8%	13.9%	14.8%	13.8%
Commercial Mortgages	5 year % change	2%	3%	4%	8%	2%
	\$ in billions	\$2,716	\$2,832	\$2,965	\$3,081	\$3,141
Farm Mortgages	Debt to GDP	1.2%	1.2%	1.3%	1.3%	1.3%
	5 year % change	14%	9%	11%	16%	7%
	\$ in billions	\$236	\$246	\$267	\$279	\$283
	Debt to GDP	22.2%	22.2%	22.7%	24.5%	23.0%
Total CRE Debt	5 year % change	10%	11%	12%	17%	10%
	\$ in billions	\$4,316	\$4,566	\$4,854	\$5,115	\$5,235
	Debt to GDP	1.7%	1.7%	1.7%	1.8%	1.7%
Memo: Construction and Land Development Loans	5 year % change	39%	37%	25%	22%	10%
Development Loans	\$ in billions	\$338	\$350	\$362	\$386	\$394
Commercial Real Estate Bank	Charge-Off Rates	0.0%	0.0%	0.0%	0.2%	0.1%
Loans	Delinquency Rates	0.8%	0.7%	0.7%	1.1%	1.0%

Multi-Family Residential Mortgages are loans secured by housing units in structures with five or more units.
 Commercial Mortgages are loans secured by non-farm non-residential properties, such as office buildings, retail stores, and industrial facilities, as well as construction and land development loans associated with commercial properties.
 Farm mortgages are loans secured by farm properties. In terms of residential real estate, a farm is on a property that generates at least \$1,000 in income from agricultural products. Farm mortgage debt is considered a liability of the non-financial corporate and non-financial non-corporate business

• Construction and Land Development - Represents loans secured by real estate with maturities of 60 months or less made to finance land development or the on-site construction of industrial, commercial, residential or farm buildings. Includes new construction, additions or alterations to existing structures and razing existing structures to make way for new structures.





Household Debt Summary

Household o	lebt by type	2017	2018	2019	2020	2021 Q2
	Debt to GDP	51.0%	49.7%	49.1%	52.3%	49.7%
	5 year % change	-13%	-11%	-8%	0%	-3%
Mortgage Debt	\$ in billions	\$9,929	\$10,204	\$10,483	\$10,926	\$11,297
	*Delinquency Rate	1.3%	1.1%	1.1%	0.6%	0.5%
	**CB Delinquency Rate	3.6%	2.8%	2.4%	2.7%	2.8%
	Debt to GDP	7.6%	7.6%	7.7%	8.2%	7.6%
	5 year % change	18%	12%	9%	8%	4%
Student Loans	\$ in billions	\$1,489	\$1,571	\$1,646	\$1,703	\$1,732
	*Delinquency Rate	11.0%	11.4%	11.1%	6.5%	5.7%
	***Alt Delinquency Rate	26.7%	28.1%	28.1%	n/a	n/a
	Debt to GDP	6.3%	6.2%	6.2%	6.6%	6.2%
	5 year % change	30%	21%	14%	6%	5%
Auto Loans	\$ in billions	\$1,221	\$1,274	\$1,331	\$1,374	\$1,415
	*Delinquency Rate	4.1%	4.5%	4.9%	4.8%	4.4%
	Debt to GDP	4.3%	4.2%	4.3%	3.9%	3.5%
0 111 0 1	5 year % change	2%	5%	9%	-6%	-12%
Credit Cards	\$ in billions	\$834	\$870	\$927	\$819	\$787
	*Delinquency Rate	7.6%	7.8%	8.4%	9.4%	9.3%
	Debt to GDP	3.3%	2.7%	2.7%	3.7%	3.9%
Margin Debt	5 year % change	51%	-5%	-4%	32%	48%
	\$ in billions	\$643	\$554	\$579	\$778	\$882

^{*} Delinquent loans (90+ Days) as a percentage of total outstanding loans

^{**} Commercial Bank residential real estate loans secured by one-to-four family properties (30+ days delinquent) as a percentage of total outstanding loans

^{***} Delinquent loans (90+ Days) as a percentage of outstanding loans in repayment status

Student Loan Summary

Total Stude	nt Loans	2017	2018	2019	2020	2021 Q2
	Debt to GDP	7.6%	7.6%	7.7%	8.2%	7.6%
	5 year % change	18%	12%	9%	8%	4%
Student Loans	\$ in billions	\$1,489	\$1,571	\$1,646	\$1,703	\$1,732
	*Delinquency Rate	11.0%	11.4%	11.1%	6.5%	6.2%
	***Alt Delinquency Rate	26.7%	28.1%	28.1%	n/a	n/a
Denoviment Status	Debt to GDP	3.7%	4.0%	4.0%	4.1%	n/a
Repayment Status	\$ in billions	\$671	\$740	\$784	\$848	n/a

Private Studer	nt Loans	2017	2018	2019	2020	2021 Q
	Debt/GDP	0.3%	0.3%	0.3%	0.3%	0.3%
	5 Year % Change	-12%	-13%	-16%	-22%	-26%
Private Student Loans	\$ in Billions	\$63	\$65	\$64	\$56	\$57
	Delinquent Loans Bil \$	\$1	\$1	\$1	\$1	\$1
	**Delinquency Rate	1.56%	1.67%	1.32%	1.32%	2.46%
Repayment Status	Debt to GDP	0.2%	0.2%	0.2%	0.2%	0.2%
nepayment Status	\$ in billions	\$48	\$50	\$49	\$43	\$42
Deferment Status	Debt to GDP	0.1%	0.1%	0.1%	0.1%	0.1%
Determent Status	\$ in billions	\$12	\$12	\$12	\$10	\$11
0	Debt to GDP	0.0%	0.0%	0.0%	0.0%	0.0%
Grace Status	\$ in billions	\$2	\$2	\$2	\$1	\$1
Forbearance Status	Debt to GDP	0.0%	0.0%	0.0%	0.0%	0.0%
	\$ in billions	\$2	\$2	\$2	\$2	\$2
Federally Managed Stud	lent Loan Portfolio	2017	2018	2019	2020	2021 Q
	Debt/GDP	7.0%	7.0%	7.1%	7.5%	7.0%
	5 Year % Change	20%	14%	10%	13%	4%
Federal Student Loans	\$ in Billions	\$1,367	\$1,439	\$1,510	\$1,566	\$1,592
	Delinquent Loans Bil \$	\$178	\$198	\$215	n/a	n/a
	**Dallianianiani Data	28.8%	30.1%	29.9%	n/a	,
	**Delinquency Rate	20.0%	30.1%	20.070	Tira	n/a
In-School Status	Debt to GDP	0.7%	0.7%	0.6%	0.6%	n/a 0.5%
In-School Status						-
	Debt to GDP	0.7%	0.7%	0.6%	0.6%	0.5%
In-School Status Repayment Status	Debt to GDP \$ in billions	0.7% \$139	0.7% \$138	0.6% \$132	0.6% \$125	0.5% \$126
Repayment Status	Debt to GDP \$ in billions Debt to GDP	0.7% \$139 3.0%	0.7% \$138 3.2%	0.6% \$132 3.4%	0.6% \$125 0.1%	0.5% \$126 0.1%
	Debt to GDP \$ in billions Debt to GDP \$ in billions	0.7% \$139 3.0% \$587	0.7% \$138 3.2% \$661	0.6% \$132 3.4% \$719	0.6% \$125 0.1% \$15	0.5% \$126 0.1% \$18
Repayment Status Deferment Status	Debt to GDP \$ in billions Debt to GDP \$ in billions Debt to GDP	0.7% \$139 3.0% \$587 0.6%	0.7% \$138 3.2% \$661 0.6%	0.6% \$132 3.4% \$719 0.6%	0.6% \$125 0.1% \$15 0.6%	0.5% \$126 0.1% \$18 0.5%
Repayment Status	Debt to GDP \$ in billions	0.7% \$139 3.0% \$587 0.6% \$120	0.7% \$138 3.2% \$661 0.6% \$129	0.6% \$132 3.4% \$719 0.6% \$132	0.6% \$125 0.1% \$15 0.6% \$117	0.5% \$126 0.1% \$18 0.5% \$123
Repayment Status Deferment Status Grace Status	Debt to GDP \$ in billions Debt to GDP	0.7% \$139 3.0% \$587 0.6% \$120 0.3%	0.7% \$138 3.2% \$661 0.6% \$129 0.2%	0.6% \$132 3.4% \$719 0.6% \$132 0.2%	0.6% \$125 0.1% \$15 0.6% \$117 0.2%	0.5% \$126 0.1% \$18 0.5% \$123 0.1%
Repayment Status Deferment Status	Debt to GDP \$ in billions	0.7% \$139 3.0% \$587 0.6% \$120 0.3% \$49	0.7% \$138 3.2% \$661 0.6% \$129 0.2% \$44	0.6% \$132 3.4% \$719 0.6% \$132 0.2% \$45	0.6% \$125 0.1% \$15 0.6% \$117 0.2% \$44	0.5% \$126 0.1% \$18 0.5% \$123 0.1% \$22
Repayment Status Deferment Status Grace Status	Debt to GDP \$ in billions Debt to GDP	0.7% \$139 3.0% \$587 0.6% \$120 0.3% \$49 0.6%	0.7% \$138 3.2% \$661 0.6% \$129 0.2% \$44 0.6%	0.6% \$132 3.4% \$719 0.6% \$132 0.2% \$45 0.6%	0.6% \$125 0.1% \$15 0.6% \$117 0.2% \$44 4.4%	0.5% \$126 0.1% \$18 0.5% \$123 0.1% \$22 4.3%

Federally managed student loan portfolio Includes outstanding principal and interest balance of Direct Loans and ED-held FFEL Program Loans; Total Federal Loans include Direct Loans, FFEL and Perkins Loans.

* Delinquent loans (90+ Days) as a percentage of total outstanding loans

** Delinquent loans (90+ Days) as a percentage of outstanding loans in repayment status

• Delinquency Demographics for Federal Loans have been delayed until March 31, 2022, the first quarter for which borrowers can be delinquent

Fixed Income

Municipal Securities Marketable Treasury Securities Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related Securities: Agency CMO	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change	207.5% -3% \$40,411 20.1% -17% \$3,907 74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	205.7% -3% \$42,221 18.8% -18% \$3,861 76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	206.2% -2% \$44,071 18.1% -17% \$3,870 78.0% 9% \$16,673 47.9% -5% \$10,228 36.1% 5%	239.9% 15% \$50,113 18.9% -10% \$3,953 100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	226.6% 8% \$51,499 17.6% -15% \$4,002 95.6% 29% \$21,733 51.3% 6% \$11,671 39.2%
Municipal Securities Marketable Treasury Securities Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	\$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	\$40,411 20.1% -17% \$3,907 74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	\$42,221 18.8% -18% \$3,861 76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	\$44,071 18.1% -17% \$3,870 78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	\$50,113 18.9% -10% \$3,953 100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	\$51,499 17.6% -15% \$4,002 95.6% 29% \$21,733 51.3% 6% \$11,671
Marketable Treasury Securities Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	20.1% -17% \$3,907 74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	18.8% -18% \$3,861 76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	18.1% -17% \$3,870 78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	18.9% -10% \$3,953 100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	17.6% -15% \$4,002 95.6% 29% \$21,733 51.3% 6% \$11,671
Marketable Treasury Securities Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	-17% \$3,907 74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	-18% \$3,861 76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	-17% \$3,870 78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	-10% \$3,953 100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	-15% \$4,002 95.6% 29% \$21,733 51.3% 6% \$11,671
Marketable Treasury Securities Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	\$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	\$3,907 74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	\$3,861 76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	\$3,870 78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	\$3,953 100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	\$4,002 95.6% 29% \$21,733 51.3% 6% \$11,671
Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	95.6% 29% \$21,733 51.3% 6% \$11,671
Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	74.3% 9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	76.0% 8% \$15,608 47.4% -9% \$9,732 35.4% 1%	78.0% 9% \$16,673 47.9% -5% \$10,228 36.1%	100.4% 39% \$20,973 53.7% 10% \$11,214 40.4%	95.6% 29% \$21,733 51.3% 6% \$11,671
Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	9% \$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	8% \$15,608 47.4% -9% \$9,732 35.4% 1%	9% \$16,673 47.9% -5% \$10,228 36.1%	39% \$20,973 53.7% 10% \$11,214 40.4%	29% \$21,733 51.3% 6% \$11,671
Mortgage Related Securities Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	\$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	\$14,469 47.8% -12% \$9,305 35.6% 2% \$6,924	\$15,608 47.4% -9% \$9,732 35.4% 1%	\$16,673 47.9% -5% \$10,228 36.1%	\$20,973 53.7% 10% \$11,214 40.4%	\$21,733 51.3% 6% \$11,671
Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	47.8% -12% \$9,305 35.6% 2% \$6,924	47.4% -9% \$9,732 35.4% 1%	47.9% -5% \$10,228 36.1%	53.7% 10% \$11,214 40.4%	51.3% 6% \$11,671
Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	-12% \$9,305 35.6% 2% \$6,924	-9% \$9,732 35.4% 1%	-5% \$10,228 36.1%	10% \$11,214 40.4%	6% \$11,671
Memo: Mortgage Related Securities: Agency MBS Memo: Mortgage Related	\$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	\$9,305 35.6% 2% \$6,924	\$9,732 35.4% 1%	\$10,228 36.1%	\$11,214 40.4%	\$11,671
Securities: Agency MBS Memo: Mortgage Related	Debt to GDP 5 year % change \$ in billions Debt to GDP	35.6% 2% \$6,924	35.4% 1%	36.1%	40.4%	
Securities: Agency MBS Memo: Mortgage Related	5 year % change \$ in billions Debt to GDP	2% \$6,924	1%			39.2%
Memo: Mortgage Related	\$ in billions Debt to GDP	\$6,924		5%		
Memo: Mortgage Related	Debt to GDP				18%	12%
			\$7,269	\$7,711	\$8,439	\$8,907
	5 year % change	5.6%	5.4%	5.2%	6.7%	6.0%
Securities. Agency Civio		-31%	-20%	-24%	6%	1%
	\$ in billions	\$1,081	\$1,103	\$1,117	\$1,395	\$1,367
Memo: Mortgage Related	Debt to GDP	2.6%	2.7%	2.8%	2.9%	2.7%
Securities: Non-Agency CMBS	5 year % change	-34%	-29%	-22%	-14%	-5%
Securities: Non-Agency CMBS	\$ in billions	\$509	\$543	\$596	\$596	\$617
Memo: Mortgage Related	Debt to GDP	4.1%	4.0%	3.8%	3.8%	3.4%
	5 year % change	-47%	-38%	-33%	-26%	-25%
Securities: Non-Agency RMBS	\$ in billions	\$791	\$817	\$805	\$784	\$780
	Debt to GDP	43.0%	41.7%	41.5%	46.7%	43.9%
Corporate Debt Securities	5 year % change	4%	-1%	-2%	11%	2%
Corporate Best Geodiffies	\$ in billions	\$8,373	\$8,567	\$8,866	\$9,756	\$9,972
Fodoval Amenay Consusting	Debt to GDP	9.9%	9.0%	8.1%	8.1%	6.7%
Federal Agency Securities	5 year % change	-23%	-27%	-30%	-26%	-37%
	\$ in billions	\$1,935	\$1,842	\$1,726	\$1,694	\$1,521
Money Market Securities	Debt to GDP	5.0%	4.9%	4.9%	4.7%	4.8%
(Commercial Paper)	5 year % change	-15%	-14%	-8%	-9%	1%
(commercial raper)	\$ in billions	\$966	\$996	\$1,045	\$987	\$1,085
	Debt to GDP	7.5%	7.9%	7.8%	7.4%	6.7%
Asset-Backed Securities	5 year % change	-5%	3%	1%	-3%	-10%
	\$ in billions	\$1,458	\$1,616	\$1,663	\$1,536	\$1,515
4 15 1 10 '''	Debt to GDP	1.0%	1.1%	1.1%	1.0%	1.0%
emo: Asset-Backed Securities:	5 year % change	19%	13%	8%	-5%	-7%
Automobile*	\$ in billions	\$203	\$223	\$236	\$206	\$214
	Debt to GDP	0.7%	0.6%	0.5%	0.3%	0.3%
emo: Asset-Backed Securities:	5 year % change	-17%	-19%	-40%	-54%	-65%
Credit Card*	\$ in billions	\$129	\$124	\$101	\$68	\$55
			4			
emo: Asset-Backed Securities:	Debt to GDP	0.3%	0.4%	0.4%	0.3%	0.3%
Equipment*	5 year % change	11%	42%	15%	10%	16%
	\$ in billions	\$56	\$84	\$75	\$67	\$74
emo: Asset-Backed Securities:	Debt to GDP	0.9%	1.0%	1.1%	1.1%	1.1%
Other*	5 year % change	34%	35%	46%	36%	38%
	\$ in billions	\$179	\$206	\$235	\$225	\$241
emo: Asset-Backed Securities:	Debt to GDP	0.9%	0.8%	0.7%	0.7%	0.7%
Student Loans*	5 year % change	-38%	-40%	-40%	-38%	-40%
Student Loans	\$ in billions	\$177	\$171	\$159	\$144	\$146
	Debt to GDP	2.8%	3.0%	3.2%	3.2%	2.9%
emo: Asset-Backed Securities:	5 year % change	60%	63%	45%	29%	17%
CLO*	\$ in billions	\$541	\$617	\$686	\$662	\$631
	Debt to GDP	0.9%	0.9%	0.8%		
emo: Asset-Backed Securities:					0.8%	0.8%
CDO/SF/Other*	5 year % change \$ in billions	-58% \$173	-46% \$191	-42% \$172	-32% \$165	-36% \$165

MBS - Mortgage Backed Securities
CMO - Collateralized Mortgage Obligation
CMBS - Commercial Mortgage Backed Securities
RMBS - Residential Mortgage Backed Securities
CDO - Collateralized Debt Obligation
CLO - Collateralized Loan Obligation
SF - Structured Finance
'2021 Q1 Data







Private Debt by Lender/Holder

Private Debt Ler	nders	2017	2018	2019	2020	2021 Q2
	Debt to GDP	45.2%	44.9%	44.6%	46.7%	42.3%
US Chartered Depository Institutions	5 year % change	4%	6%	4%	6%	-5%
institutions	\$ in billions	\$8,808	\$9,214	\$9,526	\$9,748	\$9,615
Non-Financial Corporations,	Debt to GDP	36.6%	35.6%	36.2%	41.1%	38.7%
Debt Securities	5 year % change	17%	10%	9%	18%	9%
Debt Securities	\$ in billions	\$7,124	\$7,308	\$7,738	\$8,592	\$8,803
0	Debt to GDP	26.7%	26.0%	25.8%	29.4%	28.8%
Government Sponsored Enterprises	5 year % change	-10%	-10%	-7%	9%	9%
Litterprises	\$ in billions	\$5,197	\$5,337	\$5,507	\$6,143	\$6,557
Agency/GSE backed	Debt to GDP	10.9%	11.2%	11.3%	11.6%	10.8%
Mortgage Pools	5 year % change	23%	20%	20%	19%	9%
Mortgage Pools	\$ in billions	\$2,125	\$2,291	\$2,405	\$2,427	\$2,459
Federal Government (Student & other loans)	Debt to GDP	6.7%	6.8%	7.0%	8.4%	7.9%
	5 year % change	40%	15%	22%	37%	27%
	\$ in billions	\$1,305	\$1,403	\$1,497	\$1,748	\$1,797
	Debt to GDP	4.7%	4.9%	5.0%	5.3%	5.1%
Credit Unions	5 year % change	34%	35%	30%	28%	20%
	\$ in billions	\$921	\$1,004	\$1,063	\$1,115	\$1,153
Lancas of Assat Basks I	Debt to GDP	4.8%	4.5%	4.5%	4.8%	4.4%
Issuers of Asset-Backed Securities	5 year % change	-49%	-38%	-31%	-21%	-22%
Securities	\$ in billions	\$929	\$931	\$971	\$994	\$992
	Debt to GDP	4.8%	4.5%	4.3%	4.4%	4.2%
Finance Companies	5 year % change	-27%	-29%	-31%	-17%	-16%
	\$ in billions	\$929	\$931	\$924	\$922	\$954
Deat of World (Fourier Laws to	Debt to GDP	1.9%	3.6%	3.9%	4.3%	4.2%
Rest of World (Foreign Loans to US Businesses)	5 year % change	118%	331%	300%	280%	284%
00 Dusiliesses)	\$ in billions	\$376	\$733	\$831	\$906	\$951
	Debt to GDP	3.3%	2.7%	2.7%	3.7%	3.9%
Margin Accounts	5 year % change	51%	-5%	-4%	35%	48%
	\$ in billions	\$643	\$554	\$579	\$778	\$882

Non-Financial Corporations, Debt Securities include private placement securities.

Financial Sector Debt

Financial Sec	ctor	2017	2018	2019	2020	2021 Q2
	Debt to GDP	78.6%	76.1%	74.5%	80.4%	76.2%
Domestic Financial Sector	5 year % change	-10%	-11%	-11%	0%	-5%
	\$ in billions	\$15,315	\$15,613	\$15,932	\$16,798	\$17,320
	Debt to GDP	68.2%	66.2%	65.4%	71.2%	67.6%
Dalah Caraniki ar	5 year % change	-13%	-12%	-10%	3%	-2%
Debt Securities	\$ in billions	\$13,276	\$13,585	\$13,977	\$14,875	\$15,356
	Bond Default Rate	0.6%	0.2%	0.2%	0.2%	0.2%
Memo:	Debt to GDP	2.0%	2.1%	1.9%	1.9%	1.9%
Debt Securities: Open	5 year % change	-47%	-35%	-31%	-21%	-29%
Market Paper	\$ in billions	\$397	\$431	\$398	\$391	\$427
Memo:	Debt to GDP	45.4%	44.3%	44.0%	48.2%	45.7%
Debt Securities: Agency	5 year % change	-2%	-4%	-3%	8%	2%
Securities	\$ in billions	\$8,843	\$9,090	\$9,408	\$10,066	\$10,388
Memo:	Debt to GDP	20.7%	19.8%	19.5%	21.1%	20.0%
Debt Securities: Corporate	5 year % change	-25%	-23%	-21%	-5%	-7%
and Foreign Bonds	\$ in billions	\$4,036	\$4,064	\$4,171	\$4,417	\$4,541
9	Debt to GDP	10.5%	9.9%	9.2%	9.2%	8.6%
Loans	5 year % change	7%	-6%	-17%	-15%	-23%
	\$ in billions	\$2,038	\$2,027	\$1,955	\$1,924	\$1,963
Memo:	Debt to GDP	1.6%	1.5%	1.4%	1.8%	1.9%
Loans: Depository	5 year % change	17%	9%	-5%	14%	22%
Institution Loans	\$ in billions	\$301	\$311	\$305	\$381	\$438
Memo:	Debt to GDP	7.7%	7.3%	6.7%	6.3%	5.8%
Loans: Other Loans and	5 year % change	6%	-7%	-19%	-21%	-31%
Advances	\$ in billions	\$1,495	\$1,490	\$1,425	\$1,317	\$1,306
Memo:	Debt to GDP	1.2%	1.1%	1.1%	1.1%	1.0%
Loans: Equity REIT	5 year % change	4%	-13%	-20%	-17%	-24%
Mortgages	\$ in billions	\$242	\$226	\$224	\$225	\$219

[•] REIT: Real Estate Investment Trust





▲ High Concern ▲ Concern ▲ Current or recent crisis

No Current Concern





Repurchase Agreements (Primary Dealer) By Security Type

Repurchase Agree	ments	2017	2018	2019	2020	2021 Q2
	Debt to GDP	11.4%	10.6%	11.9%	12.5%	10.6%
Total	5 year % change	-33%	-33%	-13%	3%	-10%
	\$ in billions	\$2,223	\$2,191	\$2,552	\$2,607	\$2,400
	Debt to GDP	0.1%	0.1%	0.1%	0.1%	0.1%
Asset Backed Securities	5 year % change	n/a	n/a	n/a	-62%	-66%
	\$ in billions	\$20	\$18	\$18	\$14	\$10
	Debt to GDP	0.4%	0.3%	0.3%	0.3%	0.3%
Corporate Bonds	5 year % change	n/a	-21%	-32%	-15%	-4%
-	\$ in billions	\$70	\$67	\$62	\$69	\$72
	Debt to GDP	0.3%	0.3%	0.3%	0.3%	0.4%
Equities	5 year % change	n/a	-19%	-41%	-42%	48%
•	\$ in billions	\$54	\$61	\$56	\$53	\$92
	Debt to GDP	0.2%	0.1%	0.1%	·	0.1%
Federal Agency	5 year % change	n/a	-80%	-76%		-57%
. caciai rigency	\$ in billions	\$30	\$28	\$25		\$19
	Debt to GDP	1.9%	1.9%	2.2%		1.7%
Nortgage Backed Securities	5 year % change	n/a	-50%	-24%		-13%
iongage backed decullines	\$ year % change	\$380	\$396	-24% \$464		\$382
	·	0.3%	0.2%			
Other	Debt to GDP			0.2%		0.1%
Other	5 year % change	n/a	-64%	-65%		-67%
	\$ in billions	\$49	\$43	\$43		\$28
	Debt to GDP	7.5%	7.0%	8.1%		7.2%
Treasury Securities	5 year % change	n/a	-23%	1%		-7%
	\$ in billions	\$1,472	\$1,434	\$1,729		\$1,634
reasury Inflation-Protected	Debt to GDP	0.8%	0.7%	0.7%	0.8%	0.7%
Securities	5 year % change	n/a	-30%	-24%	-11%	-14%
	\$ in billions	\$161	\$141	\$156	\$164	\$163
Reverse Repurchase A	greements	2017	2018	2019	2020	2021 Q
	Debt to GDP	9.1%	8.2%	9.1%	9.3%	7.9%
Total	5 year % change	-32%	-31%	-13%	-3%	-18%
	\$ in billions	\$1,773	\$1,689	\$1,955	\$1,946	\$1,805
	Debt to GDP	0.1%	0.1%	0.0%	0.0%	0.0%
Asset Backed Securities	5 year % change	n/a	n/a	n/a	-71%	-77%
	\$ in billions	\$12	\$10	\$9	\$7	\$5
	Debt to GDP	0.1%	0.1%	0.1%	0.1%	0.1%
Corporate Bonds	5 year % change	n/a	-38%	-48%	-43%	-21%
	\$ in billions	\$16	\$15	\$14	3% \$2,607 0.1% -62% \$14 0.3% -15% \$69 0.3% -42% \$53 0.1% -66% \$24 2.4% 9% \$499 0.2% -61% \$38 8.4% 15% \$1,748 0.8% -11% \$164 2020 9.3% -3% \$1,946 0.0% -71% \$7 0.1%	\$17
	Debt to GDP	0.0%	0.0%	0.0%	0.0%	0.0%
Equities	5 year % change	n/a	n/a	-92%		n/a
-	,			\$0		\$0
	\$ in billions	\$0	\$0	ΨΟ	* -	
					0.0%	0.0%
Federal Agency	Debt to GDP	0.1%	0.1%	0.0%		0.0% -71%
Federal Agency	Debt to GDP 5 year % change	0.1% n/a	0.1% -88%	0.0%	-78%	-71%
Federal Agency	Debt to GDP 5 year % change \$ in billions	0.1% n/a \$10	0.1% -88% \$9	0.0% -83% \$9	-78% \$7	-71% \$6
	Debt to GDP 5 year % change \$ in billions Debt to GDP	0.1% n/a \$10 1.1%	0.1% -88% \$9 1.1%	0.0% -83% \$9 1.1%	-78% \$7 1.1%	-71% \$6 0.8%
	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change	0.1% n/a \$10 1.1% n/a	0.1% -88% \$9 1.1% -61%	0.0% -83% \$9 1.1% -43%	-78% \$7 1.1% -30%	-71% \$6 0.8% -37%
	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions	0.1% n/a \$10 1.1% n/a \$210	0.1% -88% \$9 1.1% -61% \$216	0.0% -83% \$9 1.1% -43% \$242	-78% \$7 1.1% -30% \$227	-71% \$6 0.8% -37% \$173
lortgage Backed Securities	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	0.1% n/a \$10 1.1% n/a \$210 0.2%	0.1% -88% \$9 1.1% -61% \$216 0.1%	0.0% -83% \$9 1.1% -43% \$242 0.1%	-78% \$7 1.1% -30% \$227 0.1%	-71% \$6 0.8% -37% \$173 0.1%
	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a	0.1% -88% \$9 1.1% -61% \$216 0.1% -67%	0.0% -83% \$9 1.1% -43% \$242 0.1% -66%	-78% \$7 1.1% -30% \$227 0.1% -68%	-71% \$6 0.8% -37% \$173 0.1% -77%
Nortgage Backed Securities	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24	-78% \$7 1.1% -30% \$227 0.1% -68% \$20	-71% \$6 0.8% -37% \$173 0.1% -77% \$12
Nortgage Backed Securities Other	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP bett to GDP control of the billions Debt to GDP	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29 6.8%	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23 6.2%	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24 7.0%	-78% \$7 1.1% -30% \$227 0.1% -68% \$20 7.2%	-71% \$6 0.8% -37% \$173 0.1% -77% \$12 6.3%
Nortgage Backed Securities	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29 6.8% n/a	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23 6.2% -19%	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24 7.0% 0%	-78% \$7 1.1% -30% \$227 0.1% -68% \$20 7.2% 10%	-71% \$6 0.8% -37% \$173 0.1% -77% \$12 6.3% -11%
Mortgage Backed Securities Other	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29 6.8% n/a \$1,329	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23 6.2% -19% \$1,270	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24 7.0% 0% \$1,498	-78% \$7 1.1% -30% \$227 0.1% -68% \$20 7.2% 10% \$1,507	-71% \$6 0.8% -37% \$173 0.1% -77% \$12 6.3% -11% \$1,429
Mortgage Backed Securities Other Treasury Securities	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29 6.8% n/a	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23 6.2% -19%	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24 7.0% 0%	-78% \$7 1.1% -30% \$227 0.1% -68% \$20 7.2% 10% \$1,507 0.8%	-71% \$6 0.8% -37% \$173 0.1% -77% \$12 6.3% -11% \$1,429 0.7%
Mortgage Backed Securities Other	Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions Debt to GDP 5 year % change \$ in billions	0.1% n/a \$10 1.1% n/a \$210 0.2% n/a \$29 6.8% n/a \$1,329	0.1% -88% \$9 1.1% -61% \$216 0.1% -67% \$23 6.2% -19% \$1,270	0.0% -83% \$9 1.1% -43% \$242 0.1% -66% \$24 7.0% 0% \$1,498	-78% \$7 1.1% -30% \$227 0.1% -68% \$20 7.2% 10% \$1,507 0.8%	-71% \$6 0.8% -37% \$173 0.1% -77% \$12 6.3% -11% \$1,429

Amounts are average daily outstanding balances

▲ High Concern







Portfolio Loans & Investment (Total Economy) - U.S. into Foreign Countries

Long Term Debt Security	Investment	2017	2018	2019	2020	2021 Q2
	to GDP	14.4%	13.9%	14.7%	16.1%	15.2%
United States Holdings of Long Term Foreign Debt Securities	5 year % change	1%	-1%	3%	26%	16%
Term Foreign Debt Securities	\$ in billions	\$2,822	\$2,873	\$3,144	\$3,373	\$3,448
	to GDP	2.0%	2.0%	2.3%	2.5%	n/a
Cayman Islands	5 year % change	51%	41%	51%	56%	n/a
	\$ in billions	\$398	\$421	\$502	\$531	n/a
	to GDP	1.7%	1.8%	1.9%	2.2%	n/a
United Kingdom	5 year % change	-10%	1%	10%	33%	n/a
	\$ in billions	\$328	\$370	\$412	\$453	n/a
	to GDP	1.9%	1.8%	1.8%	2.0%	n/a
Canada	5 year % change	-19%	-19%	-16%	11%	n/a
	\$ in billions	\$372	\$374	\$387	\$410	n/a
Long Term Equity Inv	estment	2017	2018	2019	2020	2021 Q2
	to GDP	46.3%	38.2%	44.0%	50.1%	51.6%
Jnited States Holdings of Long Term Corporate Stocks	5 year % change	40%	-1%	15%	35%	42%
	\$ in billions	\$9,046	\$7,870	\$9,436	\$10,490	\$11,718
	to GDP	6.6%	6.0%	6.7%	9.2%	% n/a
Cayman Islands	5 year % change	91%	46%	42%	85%	n/a
	\$ in billions	\$1,294	\$1,236	\$1,443	\$1,935	n/a
	to GDP	4.6%	3.7%	4.3%	4.9%	n/a
Japan	5 year % change	74%	3%	29%	28%	n/a
	\$ in billions	\$902	\$766	\$931	\$1,015	n/a
	to GDP	5.6%	4.4%	4.7%	4.4%	n/a
United Kingdom	5 year % change	20%	-23%	-9%	-12%	n/a
	\$ in billions	\$1,087	\$911	\$1,013	\$912	n/a
Loans		2017	2018	2019	2020	2021 Q2
	to GDP	2.7%	2.8%	2.9%	3.2%	3.5%
United States Holdings of	5 year % change	101%	72%	50%	35%	25%
Foreign Loans	\$ in billions	\$511	\$544	\$596	\$690	\$799
	to GDP	2.5%	2.5%	2.7%	2.9%	3.3%
United States Holdings of	5 year % change	111%	76%	53%	36%	26%
Foreign Loans: Bank Loans	\$ in billions	\$475	\$487	\$546	\$632	\$744
	to GDP	0.2%	0.3%	0.3%	0.3%	0.2%
United States Holdings of	5 year % change	22%	42%	19%	26%	21%
Foreign Loans: Other Loans	\$ in billions	\$36	\$56	\$51	\$58	\$55

Total Economy includes Financial, Non-Financial and General Government sectors
 Loans include short term and long term

Portfolio Investment (Total Economy) - Foreign Countries into the U.S.

Long Term Treasury Bon	nd Investment	2017	2018	2019	2020	2021 Q2
Foreign Holdings of United	to GDP	28.3%	26.9%	28.7%	28.9%	28.9%
State's Long Term Treasury	5 year % change	1%	-11%	-5%	-7%	-4%
Securities Bonds	\$ in billions	\$5,508	\$5,523	\$6,128	\$6,043	\$6,572
	to GDP	5.1%	4.8%	5.1%	5.7%	5.3%
Japan	5 year % change	-19%	-26%	-23%	-15%	-8%
	\$ in billions	\$998	\$979	\$1,093	\$1,185	\$1,214
	to GDP	6.1%	5.4%	5.0%	4.9%	4.7%
China	5 year % change	-18%	-27%	-33%	-30%	-30%
	\$ in billions	\$1,181	\$1,117	\$1,067	\$1,033	\$1,059
	to GDP	1.1%	1.2%	1.6%	1.8%	2.1%
United Kingdom	5 year % change	83%	80%	94%	107%	91%
	\$ in billions	\$211	\$246	\$334	\$372	\$467
Long Term Agency Bon	d Investment	2017	2018	2019	2020	2021 Q2
Foreign Holdings of United	to GDP	5.1%	5.2%	5.5%	5.7%	5.5%
State's Long Term Agency	5 year % change	-24%	-13%	9%	16%	8%
Bonds	\$ in billions	\$995	\$1,077	\$1,185	\$1,184	\$1,253
	to GDP	1.2%	1.3%	1.4%	1.5%	1.4%
Japan	5 year % change	-25%	-13%	32%	63%	29%
-	\$ in billions	\$241	\$272	\$305	\$308	\$311
	to GDP	1.2%	1.3%	1.2%	1.3%	1.1%
Taiwan	5 year % change	35%	66%	53%	25%	-1%
	\$ in billions	\$234	\$261	\$262	\$262	\$250
	to GDP	0.9%	0.9%	1.1%	1.0%	1.0%
China	5 year % change	-42%	-16%	-11%	-15%	-9%
	\$ in billions	\$171	\$189	\$232	\$212	\$218
ong Term Corporate & Other	r Bond Investment	2017	2018	2019	2020	2021 Q2
Foreign Holdings of United	to GDP	20.7%	18.3%	19.5%	22.1%	20.5%
State's Long Term Corporate &	5 year % change	24%	8%	14%	27%	8%
Other Bonds	\$ in billions	\$4,040	\$3,758	\$4,161	\$4,608	\$4,661
	to GDP	3.2%	3.0%	3.3%	3.8%	3.4%
Luxembourg	5 year % change	48%	20%	20%	32%	15%
	\$ in billions	\$629	\$624	\$699	\$784	\$771
	to GDP	3.1%	2.6%	2.8%	3.0%	2.8%
Belgium	5 year % change	50%	35%	51%	50%	20%
	\$ in billions	\$595	\$530	\$598	\$624	\$630
	to GDP	2.5%	2.4%	2.5%	2.9%	2.7%
Cayman Islands	5 year % change	2%	10%	16%	43%	21%
T T		£400	\$488	\$537	\$600	\$622
	\$ in billions	\$482				
Long Term Equity In		2017	2018	2019	2020	2021 Q2
Long Term Equity In				2019 42.2%	2020 55.1%	2021 Q2 59.3%
Foreign Holdings of United	vestment	2017	2018			
Foreign Holdings of United	vestment to GDP	2017 40.8%	2018 36.9%	42.2%	55.1%	59.3%
Foreign Holdings of United State's Long Term Corporate	to GDP 5 year % change	2017 40.8% 66%	2018 36.9% 31%	42.2% 21%	55.1% 45%	59.3% 78%
Foreign Holdings of United State's Long Term Corporate Stocks	to GDP 5 year % change \$ in billions to GDP	2017 40.8% 66% \$7,958	2018 36.9% 31% \$7,573 4.7%	42.2% 21% \$9,026	55.1% 45% \$11,517	59.3% 78% \$13,484 6.8%
Foreign Holdings of United State's Long Term Corporate	to GDP 5 year % change \$ in billions to GDP 5 year % change	2017 40.8% 66% \$7,958 4.9%	2018 36.9% 31% \$7,573 4.7% 47%	42.2% 21% \$9,026 4.8%	55.1% 45% \$11,517 6.0%	59.3% 78% \$13,484 6.8% 70%
Foreign Holdings of United State's Long Term Corporate Stocks	to GDP 5 year % change \$ in billions to GDP 5 year % change	2017 40.8% 66% \$7,958 4.9% 74% \$955	2018 36.9% 31% \$7,573 4.7% 47% \$955	42.2% 21% \$9,026 4.8% 19% \$1,019	55.1% 45% \$11,517 6.0% 27% \$1,245	59.3% 78% \$13,484 6.8% 70% \$1,538
Foreign Holdings of United State's Long Term Corporate Stocks United Kingdom	to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions to GDP	2017 40.8% 66% \$7,958 4.9% 74% \$955 5.2%	2018 36.9% 31% \$7,573 4.7% 47% \$955 4.5%	42.2% 21% \$9,026 4.8% 19% \$1,019 4.9%	55.1% 45% \$11,517 6.0% 27% \$1,245 6.3%	59.3% 78% \$13,484 6.8% 70% \$1,538 6.5%
Foreign Holdings of United State's Long Term Corporate Stocks	to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions to GDP 5 year % change \$ to GDP 5 year % change	2017 40.8% 66% \$7,958 4.9% 74% \$955 5.2% 66%	2018 36.9% 31% \$7,573 4.7% 47% \$955 4.5% 26%	42.2% 21% \$9,026 4.8% 19% \$1,019 4.9% 10%	55.1% 45% \$11,517 6.0% 27% \$1,245 6.3% 29%	59.3% 78% \$13,484 6.8% 70% \$1,538 6.5% 52%
Foreign Holdings of United State's Long Term Corporate Stocks United Kingdom	to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions	2017 40.8% 66% \$7,958 4.9% 74% \$955 5.2% 66% \$1,018	2018 36.9% 31% \$7,573 4.7% 47% \$955 4.5% 26% \$932	42.2% 21% \$9,026 4.8% 19% \$1,019 4.9% 10% \$1,045	55.1% 45% \$11,517 6.0% 27% \$1,245 6.3% 29% \$1,325	59.3% 78% \$13,484 6.8% 70% \$1,538 6.5% 52% \$1,482
Foreign Holdings of United State's Long Term Corporate Stocks United Kingdom	to GDP 5 year % change \$ in billions to GDP 5 year % change \$ in billions to GDP 5 year % change \$ to GDP 5 year % change	2017 40.8% 66% \$7,958 4.9% 74% \$955 5.2% 66%	2018 36.9% 31% \$7,573 4.7% 47% \$955 4.5% 26%	42.2% 21% \$9,026 4.8% 19% \$1,019 4.9% 10%	55.1% 45% \$11,517 6.0% 27% \$1,245 6.3% 29%	59.3% 78% \$13,484 6.8% 70% \$1,538 6.5% 52%

[•] Total Economy includes Financial, Non-Financial and General Government sectors

HY: High-Yield (BB or Lower)

Derivative Activity

Notional Amounts	s by Type	2017	2018	2019	2020	2021 Q2
	Debt to GDP	847.1%	826.4%	769.4%	751.4%	772.5%
Dealer (Trading)	5 year % change	-33%	-37%	-35%	-20%	-20%
	\$ in billions	\$165,002	\$169,636	\$164,441	\$156,997	\$175,609
	Debt to GDP	14.3%	11.9%	14.4%	18.0%	21.1%
End User (Non-Trading)	5 year % change	-49%	-58%	-36%	18%	30%
	\$ in billions	\$2,785	\$2,447	\$3,077	\$3,768	\$4,786
	Debt to GDP	21.5%	20.8%	18.5%	14.5%	13.7%
Credit Derivatives	5 year % change	-74%	-69%	-66%	-62%	-63%
	\$ in billions	\$4,186	\$4,270	\$3,945	\$3,034	\$3,106
	Debt to GDP	882.8%	859.1%	802.3%	784.0%	807.3%
Total Notional	5 year % change	-35%	-39%	-36%	-21%	-21%
	\$ in billions	\$171,973	\$176,353	\$171,462	\$163,799	\$183,501
Derivative Activity by	Contract Type	2017	2018	2019	2020	2021 Q2
	Debt to GDP	669.5%	624.4%	585.1%	555.2%	586.4%
Interest Rate	5 year % change	-39%	-46%	-41%	-27%	-24%
	\$ in billions	\$130,417	\$128,166	\$125,056	\$116,000	\$133,298
	Debt to GDP	168.9%	191.1%	173.9%	189.5%	181.3%
Foreign Exchange	5 year % change	-0%	13%	-8%	7%	-4%
	\$ in billions	\$32,903	\$39,221	\$37,170	\$39,596	\$41,210
	Debt to GDP	15.8%	16.4%	17.8%	18.1%	18.7%
Equities	5 year % change	30%	37%	21%	37%	30%
	\$ in billions	\$3,080	\$3,374	\$3,796	\$3,775	\$4,255
	Debt to GDP	7.0%	6.4%	7.0%	6.7%	7.2%
Commodities	5 year % change	-18%	-11%	1%	10%	1%
	\$ in billions	\$1,373	\$1,315	\$1,495	\$1,395	\$1,632
	Debt to GDP	21.5%	20.8%	18.5%	14.5%	13.7%
Credit Derivatives	5 year % change	-74%	-69%	-66%	-62%	-63%
	\$ in billions	\$4,186	\$4,270	\$3,945	\$3,034	\$3,106
	Debt to GDP	882.8%	859.1%	802.3%	784.0%	807.3%
Total Notional	5 year % change	-35%	-39%	-36%	-21%	-21%
	\$ in billions	\$171,973	\$176,353	\$171,462	\$163,799	\$183,501
Derivative Activity	by Product	2017	2018	2019	2020	2021 Q2
	Debt to GDP	176.6%	176.1%	162.8%	154.8%	165.3%
Futures & Forewards	5 year % change	-31%	-26%	-34%	-21%	-21%
	\$ in billions	\$34,407	\$36,144	\$34,787	\$32,350	\$37,584
	Debt to GDP	199.4%	185.2%	169.0%	153.1%	157.7%
Total Options	5 year % change	7%	-3%	-8%	-10%	-9%
	\$ in billions	\$38,841	\$38,009	\$36,117	\$31,991	\$35,840
	Debt to GDP	485.3%	477.0%	452.1%	461.5%	470.6%
Total Swaps	5 year % change	-42%	-47%	-41%	-22%	-22%
	\$ in billions	\$94,524	\$97,923	\$96,614	\$96,423	\$106,971
	Debt to GDP	21.5%	20.8%	18.5%	14.5%	13.7%
Credit Derivatives	5 year % change	-74%	-69%	-66%	-62%	-63%
	\$ in billions	\$4,186	\$4,270	\$3,945	\$3,034	\$3,106
	Debt to GDP	882.8%	859.1%	802.3%	784.0%	807.3%
Total Notional	5 year % change	-35%	-39%	-36%	-21%	-21%
	\$ in billions	\$171,973	\$176,353	\$171,462	\$163,799	\$183,501

▲ High Concern ▲ Concern ▲ Current or recent crisis

HY: High-Yield (BB or Lower)



No Current Concern

Largest Individual Lenders

Lending Ins	titutions	2017	2018	2019	2020	2021 Q2
	Loans to GDP	4.9%	4.9%	4.8%	5.0%	4.6%
	5 year % change	9%	13%	12%	10%	-3%
JP Morgan	\$ in billions	\$954	\$1,003	\$1,024	\$1,053	\$1,045
or morgan	Charge-off Rate	0.6%	0.5%	0.6%	0.5%	n/a
	Criticized Assets (% of Total Loans)	1.6%	1.2%	1.5%	4.0%	4.3%
	Loans to GDP	3.4%	3.3%	3.3%	3.2%	3.0%
	5 year % change	-15%	-16%	-11%	-5%	-13%
Citigroup	\$ in billions	\$668	\$685	\$700	\$677	\$678
olligi oup	Charge-off Rate	1.1%	1.1%	1.1%	1.1%	n/a
	Criticized Assets (% of Total Loans)	n/a	n/a	4.4%	10.4%	8.6%
	Loans to GDP	4.9%	4.6%	4.5%	4.3%	3.8%
	5 year % change	-1%	-5%	-9%	-16%	-27%
Wells Fargo	\$ in billions	\$961	\$953	\$965	\$890	\$852
Wone Farge	Charge-off Rate	0.3%	0.3%	0.3%	0.3%	0.2%
	Criticized Assets (% of Total Loans)	2.3%	2.2%	2.1%	3.7%	3.7%
	Loans to GDP	4.8%	4.6%	4.6%	4.4%	4.0%
	5 year % change	-14%	-16%	-8%	-10%	-17%
Bank of America	\$ in billions	\$937	\$947	\$983	\$928	\$919
Bank of Amorioa	Charge-off Rate	0.5%	0.4%	0.4%	0.4%	0.3%
	Criticized Assets (% of Total Loans)	1.5%	1.2%	1.2%	3.9%	3.9%
	Loans to GDP	16.3%	15.8%	15.6%	17.5%	16.9%
	5 year % change	-10%	-12%	-9%	6%	4%
Fannie Mae	\$ in billions	\$3,174	\$3,242	\$3,334	\$3,659	\$3,851
	Charge-off Rate	n/a	n/a	n/a	n/a	n/a
	Loans to GDP	9.4%	9.2%	9.3%	11.3%	11.4%
	5 year % change	-8%	-8%	-3%	19%	22%
Freddie Mac	\$ in billions	\$1,838	\$1,887	\$1,987	\$2,352	\$2,592
	Charge-off Rate	n/a	n/a	n/a	n/a	n/a

Criticized Assets are assets rated special mention, substandard, doubtful, or loss as defined by the agencies' uniform loan classification standards.Includes performing and non-performing criticized assets

Real Estate

Total Debt		2017	2018	2019	2020	2021 Q2
	Debt to GDP	51.0%	49.7%	49.1%	52.3%	49.7%
	5 Year % Change	-13%	-11%	-8%	0%	-3%
Total Residential Mortgage Debt	\$ in billions	\$9,929	\$10,204	\$10,483	\$10,926	\$11,297
	Delinquency Rate	1.3%	1.1%	1.1%	0.6%	0.5%
	Forbearance Share	n/a	n/a	n/a	5.5%	3.9%
	Debt to GDP	2.9%	2.6%	2.3%	2.1%	1.9%
Home Equity Loans Outstanding	5 Year % Change	-39%	-38%	-39%	-40%	-44%
	\$ in billions	\$570	\$533	\$501	\$442	\$421
	Debt to GDP	21.7%	22.2%	22.2%	22.7%	24.5%
Total Commercial Real Estate Debt	5 Year % Change	3%	10%	11%	12%	17%
Dept	\$ in billions	\$4,055	\$4,316	\$4,566	\$4,854	\$5,115

[•] Forbearance share is equal to loans outstanding in forbearance divided by total outstanding loans

Monthly Residential Hou	using Summary	Jan-2021	Feb-2021	Mar-2021	Apr-2021	May-2021	Jun-2021
	Volume	993,000	823,000	886,000	993,000	823,000	886,000
New Home Sales	Annual Change	31.4%	12.7%	42.2%	31.4%	12.7%	42.2%
	Volume	6,660,000	6,240,000	6,010,000	5,850,000	5,780,000	5,870,000
Existing Home Sales	Annual Change	n/a	n/a	n/a	n/a	n/a	n/a
Haveley Objects	Volume	1,625,000	1,447,000	1,725,000	1,514,000	1,594,000	1,657,000
Housing Starts	Annual Change	2.3%	-8.9%	35.1%	61.4%	52.4%	30.2%
Home Price Index (Case-	Index (2000=100)	245.31	248.55	252.87	257.34	262.05	266.73
Shiller 20 City Composite)	Annual Change	11.2%	12.1%	13.5%	15.2%	17.2%	19.2%

Refinance Statistics		2017	2018	2019	2020	2021 Q1
Home Equity Cash-out Volume	to GDP	0.4%	0.4%	0.5%	0.7%	0.8%
	5 Year % Change	98%	140%	254%	209%	227%
	\$ in billions	\$71	\$87	\$108	\$153	\$175
Second Mortgages/HELOC Consolidation Volume	to GDP	0.1%	0.1%	0.1%	0.4%	0.3%
	5 Year % Change	-45%	-60%	37%	198%	210%
	\$ in billions	\$23	\$15	\$30	\$75	\$87
Total Combined Cash-out and Second Mortgages/HELOC Consolidation Volume	to GDP	0.5%	0.5%	0.6%	1.1%	1.5%
	5 Year % Change	21%	39%	164%	206%	188%
	\$ in billions	\$94	\$101	\$138	\$228	\$261

Refinance statistics are for Prime Conventional Loans only.
 Cash-out volume indicates the dollar volume of equity cashed-out through the refinancing of prime, first-lien conventional mortgages. It is calculated using Freddie Mac's estimate of prime, conventional mortgage originations volume, the refi share of originations, and the values in Column 1 of this sheet. We do not estimate how much equity is taken out through the refinance of FHA or VA loans or through refinance loans originated in the subprime

market.

Second Mortgages/HELOC indicates the total increase in the principal balances of refinanced first-lien mortgages due to the consolidation of existing second mortgages or home-equity lines of credit into the first lien, and loan origination costs that are rolled into the principal balances. It is calculated using Freddie Mac's estimate of prime, conventional mortgage originations volume, the refi share of originations, and of the average increase in the principal balance from refinanced loans that were not due to new equity extraction.

Additional Data

Public Debt		2017	2018	2019	2020	2021 Q2
Federal Government Debt	Debt to GDP	105.2%	107.1%	108.6%	132.8%	125.5%
	5 year % change	4%	4%	5%	28%	19%
	\$ in billions	\$20,493	\$21,974	\$23,201	\$27,748	\$28,527
Memo: Federal Debt: Held by Public	Debt to GDP	76.1%	78.4%	80.3%	103.5%	98.2%
	5 year % change	7%	7%	8%	38%	29%
	\$ in billions	\$14,815	\$16,102	\$17,170	\$21,632	\$22,328
Memo: Federal Debt: Intragovernmental Holdings	Debt to GDP	29.2%	28.6%	28.2%	29.3%	27.3%
	5 year % change	-2%	-4%	-3%	2%	-8%
	\$ in billions	\$5,678	\$5,872	\$6,031	\$6,115	\$6,200
State and Local Government Debt	Debt to GDP	16.1%	15.1%	14.5%	15.2%	14.2%
	5 year % change	-18%	-20%	-18%	-11%	-15%
	\$ in billions	\$3,133	\$3,093	\$3,091	\$3,181	\$3,234

Supplementary Data		2017	2018	2019	2020	2021 Q2
Nominal GDP	\$ in billions	\$19,480	\$20,527	\$21,373	\$20,894	\$22,731
	Annual % Change	4.2%	5.4%	4.1%	-2.2%	16.7%
Real GDP	Chained 2012 \$ in Billions	\$18,079	\$18,607	\$19,033	\$18,385	\$19,368
	Annual % Change	2.3%	2.9%	2.3%	-3.4%	12.2%
Consumer Price Index (Inflation)	CPI (2010=100)	112.41	115.16	117.24	118.69	123.51
	Inflation Rate	2.1%	2.5%	1.8%	1.2%	4.9%
Unemployment	Person (Thousands)	6,278	6,029	5,503	10,404	9,883
	Unemployment Rate	3.9%	3.7%	3.4%	6.5%	-45.3%
Current Account Balance	\$ in billions	(\$440)	(\$491)	(\$498)	(\$550)	(\$715)
	to GDP	-2.3%	-2.4%	-2.3%	-2.7%	-3.2%

Explanatory Notes

Color Code	Total Private Debt Cell Description				
	5 Year % Change > 20%				
	5 Year % Change > 13% < 20%				
	Residual Risk Period				

^{*} Due to the size of total private debt, five-year percentage growth constitutes greater concern as compared to the individual sector data

Color Code	Sector Data Cell Description
	5 Year % Change > 40%
	5 Year % Change > 40%
	Debt to GDP < 1.5% (immaterial)
	5 Year % Change > 20% < 40%
	5 Year % Change > 20% < 40%
	Debt to GDP < 1.5% (immaterial)
	5 Year % Change > 13% < 20%
	5 Year % Change > 13% < 20%
	Debt to GDP < 1.5% (immaterial)
	Residual Risk Period

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