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Z.1

Flow of Funds Accounts of the United States

*Flows and Outstandings
Third Quarter 2011*

Flow of Funds Summary Statistics Third Quarter 2011

Debt of the domestic nonfinancial sectors expanded at a seasonally adjusted annual rate of 4¼ percent in the third quarter of 2011, about 1¼ percentage points faster than the pace registered in the second quarter.

Household debt declined at an annual rate of 1¼ percent in the third quarter, continuing the contraction that began in the third quarter of 2008. Home mortgage debt fell at an annual rate of 1¾ percent in the third quarter, slightly less of a decline than in the first half of the year. In contrast, consumer credit rose at an annual rate of 1¼ percent, the fourth consecutive quarter of increase.

Nonfinancial business debt rose at an annual rate of 3½ percent in the third quarter, 1 percentage point slower than the pace registered in the second quarter of this year. Corporate bonds outstanding and business loans increased while commercial mortgage

debt continued to decline, albeit at a more moderate pace than during 2010.

State and local government debt remained unchanged in the third quarter. Federal government debt increased at an annual rate of 14 percent in the third quarter.

At the end of the third quarter of 2011, the level of domestic nonfinancial debt outstanding was \$37.8 trillion; household debt was \$13.2 trillion, nonfinancial business debt was \$11.5 trillion, and total government debt was \$13.1 trillion.

Household net worth—the difference between the value of assets and liabilities—was \$57.4 trillion at the end of the third quarter, about \$2.4 trillion less than at the end of the previous quarter.

Growth of Domestic Nonfinancial Debt¹

Percentage changes; quarterly data are seasonally adjusted annual rates

	Total	Households	Business	State and local govts.	Federal
2001	6.3	9.4	5.9	8.8	-0.2
2002	7.4	10.6	3.0	11.1	7.6
2003	8.1	12.0	2.2	8.3	10.9
2004	9.2	11.0	6.5	11.9	9.0
2005	9.2	11.1	9.0	5.5	7.0
2006	8.7	9.9	11.1	3.7	3.9
2007	8.5	6.7	13.6	5.4	4.9
2008	6.0	0.1	6.2	0.7	24.2
2009	3.0	-1.7	-2.4	3.9	22.7
2010	4.1	-2.1	0.7	2.2	20.2
2010:Q1	3.5	-3.1	-0.1	2.4	20.6
Q2	3.9	-2.2	-1.3	-0.5	22.5
Q3	3.7	-2.2	1.8	2.1	16.0
Q4	4.9	-0.7	2.4	4.8	16.4
2011:Q1	2.3	-1.8	4.2	-3.3	7.9
Q2	3.1	-0.6	4.5	-3.5	8.6
Q3	4.3	-1.2	3.5	0.0	14.1

1. Changes shown are on an end-of-period basis.

Table of Contents

<i>Title</i>	<i>Table</i>	<i>Page</i>
Flow of Funds Accounts, Third Quarter 2011		1
Availability of Data for Latest Quarter		4
Credit Market Debt Growth by Sector	D.1	7
Credit Market Borrowing by Sector	D.2	8
Credit Market Debt Outstanding by Sector	D.3	9

<i>Title</i>	<i>Flows</i>		<i>Levels</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Summaries				
Total Credit Market Borrowing and Lending	F.1	10	L.1	61
Credit Market Borrowing by Nonfinancial Sectors	F.2	11	L.2	62
Credit Market Borrowing by Financial Sectors	F.3	11	L.3	62
Credit Market Borrowing, All Sectors, by Instrument	F.4	12	L.4	63
Total Liabilities and Its Relation to Total Financial Assets	F.5	12	L.5	63
Distribution of Gross Domestic Product	F.6	13		
Distribution of National Income	F.7	14		
Saving and Investment	F.8	15		
Net Capital Transfers	F.9	16		
Derivation of Measures of Personal Saving	F.10	17	L.10	64

<i>Title</i>	<i>Flows</i>		<i>Levels</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Sectors				
Households and Nonprofit Organizations	F.100	18	L.100	65
Nonfinancial Business	F.101	19	L.101	66
Nonfarm Nonfinancial Corporate Business	F.102	20	L.102	67
Nonfarm Noncorporate Business	F.103	21	L.103	68
Farm Business	F.104	21	L.104	68
State and Local Governments	F.105	22	L.105	69
Federal Government	F.106	23	L.106	69
Rest of the World	F.107	24	L.107	70
Financial Business	F.108	25	L.108	71
Monetary Authority	F.109	26	L.109	72
U.S.-Chartered Commercial Banks	F.110	27	L.110	73
Foreign Banking Offices in U.S.	F.111	28	L.111	74
Bank Holding Companies	F.112	29	L.112	75
Banks in U.S.-Affiliated Areas	F.113	29	L.113	75
Savings Institutions	F.114	30	L.114	76
Credit Unions	F.115	31	L.115	77
Property-Casualty Insurance Companies	F.116	31	L.116	77
Life Insurance Companies	F.117	32	L.117	78
Private Pension Funds	F.118	32	L.118	78
State and Local Government Employee Retirement Funds	F.119	33	L.119	79
Federal Government Retirement Funds	F.120	33	L.120	79
Money Market Mutual Funds	F.121	34	L.121	80
Mutual Funds	F.122	34	L.122	80
Closed-End and Exchange-Traded Funds	F.123	34	L.123	80
Government-Sponsored Enterprises	F.124	35	L.124	81

<i>Title</i>	<i>Flows</i>		<i>Levels</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Agency- and GSE-Backed Mortgage Pools	F.125	35	L.125	81
Issuers of Asset-Backed Securities	F.126	36	L.126	82
Finance Companies	F.127	36	L.127	82
Real Estate Investment Trusts	F.128	37	L.128	83
Security Brokers and Dealers	F.129	38	L.129	84
Funding Corporations	F.130	38	L.130	84

Instruments

U.S. Official Reserve Assets and SDR Allocations	F.200	39	L.200	85
Special Drawing Rights (SDRs) Certificates and Treasury Currency	F.201	39	L.201	85
U.S. Deposits in Foreign Countries	F.202	39	L.202	85
Net Interbank Transactions	F.203	40	L.203	86
Checkable Deposits and Currency	F.204	41	L.204	87
Time and Savings Deposits	F.205	42	L.205	88
Money Market Mutual Fund Shares	F.206	42	L.206	88
Federal Funds and Security Repurchase Agreements	F.207	43	L.207	89
Open Market Paper	F.208	43	L.208	89
Treasury Securities	F.209	44	L.209	90
Agency- and GSE-Backed Securities	F.210	45	L.210	91
Municipal Securities and Loans	F.211	46	L.211	92
Corporate and Foreign Bonds	F.212	47	L.212	93
Corporate Equities	F.213	48	L.213	94
Mutual Fund Shares	F.214	48	L.214	94
Bank Loans Not Elsewhere Classified	F.215	49	L.215	95
Other Loans and Advances	F.216	50	L.216	96

<i>Title</i>	<i>Flows</i>		<i>Levels</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Total Mortgages	F.217	51	L.217	97
Home Mortgages	F.218	52	L.218	98
Multifamily Residential Mortgages	F.219	52	L.219	98
Commercial Mortgages	F.220	53	L.220	99
Farm Mortgages	F.221	53	L.221	99
Consumer Credit	F.222	54	L.222	100
Trade Credit	F.223	54	L.223	100
Security Credit	F.224	54	L.224	100
Life Insurance and Pension Fund Reserves	F.225	55	L.225	101
Taxes Payable by Businesses	F.226	55	L.226	101
Proprietors' Equity in Noncorporate Business	F.227	55	L.227	101
Total Miscellaneous Financial Claims	F.228	56	L.228	102
Identified Miscellaneous Financial Claims - Part I	F.229	57	L.229	103
Identified Miscellaneous Financial Claims - Part II	F.230	58	L.230	104
Unidentified Miscellaneous Financial Claims	F.231	59	L.231	105
Sector Discrepancies	F.11	60		
Instrument Discrepancies	F.12	60		

<i>Title</i>	<i>Balance Sheet</i>		<i>Reconciliation</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Balance Sheet and Reconciliation Tables				
Households and Nonprofit Organizations	B.100	106	R.100	109
Nonfinancial Corporate Business	B.102	107	R.102	110
Nonfarm Noncorporate Business	B.103	108	R.103	111

<i>Title</i>	<i>Flows</i>		<i>Levels</i>	
	<i>Table</i>	<i>Page</i>	<i>Table</i>	<i>Page</i>
Supplementary Tables				
Nonprofit Organizations	F.100.a	112	L.100.a	113
Consolidated Statement for Federal, State, and Local Governments	F.106.c	114	L.106.c	115
Private Pension Funds: Defined Benefit Plans	F.118.b	116	L.118.b	117
Private Pension Funds: Defined Contribution Plans	F.118.c	116	L.118.c	117
Individual Retirement Accounts (IRAs)	F.225.i	116	L.225.i	117
Flow of Funds Matrix for 2010		118		119
Balance Sheet of Households and Nonprofit Organizations with Equity Detail			B.100.e	120

Flow of Funds Accounts, Third Quarter 2011

This publication presents the Flow of Funds Accounts for 2011:Q3.

Data revisions and other changes. The statistics in the attached tables reflect the use of new or revised source data. Most significant revisions appear in recent quarters; however, new source information resulted in changes to data for earlier periods.

1. In the nonfarm noncorporate business sector (tables F.103, L.103, B.103, and R.103), data have been revised from 2009:Q1 forward, owing to benchmark statistics available from the IRS/SOI for 2009.

2. The federal government sector (tables F.106 and L.106) has been modified to show additional detail on the composition of Treasury debt. Treasury bills, considered short-term debt, are now shown separately from other Treasury debt. This new detail is also shown on the instrument table for the Treasury securities (tables F.209 and L.209).

3. The instrument tables on municipal securities and loans (tables F.211 and L.211) have been revised from 2004:Q1 forward to reflect a change in data sources. Data on debt outstanding and net issuance for state and local governments, nonprofit organizations, and nonfinancial corporate business (industrial revenue bonds) are now based on data from Mergent, a private data vendor. The new data indicate that municipal securities and loans outstanding in 2004:Q1 is \$740 billion greater than previously estimated in the flow of funds accounts. The estimate of household holdings of municipal securities and loans is revised up by about \$840 billion, on average, from 2004 forward.

Explanatory notes for tables D.1, D.2, and D.3.

Domestic debt comprises credit market funds borrowed by U.S. entities from both domestic and foreign sources, while foreign debt represents amounts borrowed by foreign financial and nonfinancial entities in U.S. markets only. Financial sectors consist of government-sponsored enterprises, agency- and GSE-backed mortgage pools, the monetary authority, and private financial institutions. Credit market debt consists of debt securities, mortgages, bank loans, commercial paper, consumer credit, U.S. government loans, and other loans and advances; it excludes trade debt, loans for the purpose of carrying securities, and funds raised from

equity sources. This definition is consistent with the presentation of credit market borrowing and lending on tables F.1 through F.4. Net lending (+) or net borrowing (-) on the individual sector tables and the matrix is defined as net acquisition of financial assets less net increase in liabilities.

Growth rates in table D.1 are calculated by dividing seasonally adjusted flows from table D.2 by seasonally adjusted levels at the end of the previous period from table D.3. Seasonally adjusted levels in flow of funds statistics are derived by carrying forward year-end levels by seasonally adjusted flows. Growth rates calculated from changes in unadjusted levels printed in table L.2 can differ from those in table D.1.

Relation of Flows to Outstandings. Estimates of financial assets and liabilities outstanding are linked to data on flows. However, figures on outstandings contain discontinuities or breaks in series that could affect analysis of particular relationships over time. Specifically, outstandings in the Flow of Funds Accounts are related to flows in the following way:

$$\text{Outstanding}_t = \text{Outstanding}_{t-1} + \text{Flow}_t + \text{Discontinuity}_t$$

where “t” is the time period.

Discontinuities result from changes in valuation, breaks in source data, and changes in definitions. For most series, the value of the discontinuity is zero for nearly all time periods. However, in a few instances, the discontinuity is nonzero for almost all time periods, or is quite large in a particular quarter, such as a period when there is a sharp increase or decrease in equity prices or a major break in source data.

The discontinuities in a series can distort estimated rates of growth in assets and liabilities between periods. In order to minimize these distortions, percentage changes in assets and liabilities in flow of funds releases should be calculated as:

$$\text{Percentage change}_t = (\text{Flow}_t / \text{Outstanding}_{t-1}) * 100$$

Preliminary Estimates. Figures shown for the most recent quarter in these tables are based on preliminary and incomplete information. A summary list of the principal sources of information available when the latest quarter's data were compiled is provided in a table following this introduction. The distinction between “available” data and “missing”

data is not between final and preliminary versions of data, but rather between those source estimates that are fully ready when the latest quarterly publication is compiled and those that are not yet completed. However, the items that are shown as available are, in general, also preliminary in the sense that they are subject to revision by source agencies.

Margins of Uncertainty. Flow of funds statistics are subject to uncertainties resulting from measurement errors in source data, incompatibilities among data from different sources, potential revisions in both financial and nonfinancial series, and incomplete data in parts of the accounts. The size of these uncertainties cannot be quantified in precise statistical terms, but allowance for them is explicitly made throughout the accounts by the inclusion of “discrepancies” for various sectors and instrument types. A discrepancy for a sector is the difference between its measured sources of funds and its measured uses of funds. For an instrument category, a discrepancy is the difference between measured funds borrowed through the financial instrument and measured funds lent through that instrument. The size of such discrepancies relative to the main asset or liability components is one indication of the quality of source data, especially on an annual basis. For quarterly data, differences in seasonal adjustment procedures for financial and nonfinancial components of the accounts sometimes result in discrepancies that cancel in annual data.

Availability of Data. Flow of funds statistics are updated about ten weeks following the end of a quarter. This publication — the Z.1 release — is available from the Board's Publications Services.

Flow of funds data are also available electronically through the Internet at the following location:

www.federalreserve.gov/releases/Z1

This Internet site also provides coded tables and historical annual tables beginning in 1945 that correspond to the tables published in this release. There are also compressed ASCII files of quarterly data for seasonally adjusted flows, unadjusted flows, outstandings, balance sheets, debt (tables D.1, D.2, and D.3), and supplementary tables.

In addition, these data, as well as data for the quarterly and annual *Integrated Macroeconomic Accounts for the United States* tables, are available as customizable download datasets through the Data Download Program (**DDP**) at the following location:

www.federalreserve.gov/datadownload/Choose.aspx?rel=Z.1

An interactive, web-based guide to the Flow of Funds Accounts is available through the Z.1 release page. The tools and descriptions within this guide are designed to help users explore the structure and content of the Z.1 and the Integrated Macroeconomic Accounts.

Subscription Information. The Federal Reserve Board charges for subscriptions to all statistical releases. Inquiries for releases should be directed to:

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Availability of Data for Latest Quarter

	<u>Available at time of publication</u>	<u>Major items missing</u>
1. National income and product accounts (NIPA)	Second estimate, seasonally adjusted, for 2011:Q3.	Unadjusted flows since 2010 for the government sectors. Unadjusted flows since 2006 for all other sectors.
2. Households and nonprofit organizations sector (tables F.100 and L.100)	Estimates for this sector are largely residuals and are derived from data for other sectors. Availability of data depends on schedules for other sectors. Data for consumer credit, which are estimated directly, are available through 2011:Q3. The source for nonprofit organizations data (tables F.100.a and L.100.a) is the Internal Revenue Service <i>Statistics of Income</i> . Data for nonprofit organizations are available for 1987 through 2000.	
3. Nonfarm nonfinancial corporate business (tables F.102 and L.102)	<i>Quarterly Financial Report (QFR)</i> of the Census Bureau through 2011:Q2; Internal Revenue Service <i>Statistics of Income (IRS/SOI)</i> data through 2009; securities offerings, mortgages, bank loans, commercial paper, and other loans through 2011:Q3.	<i>Statistics of Income</i> data since 2009. QFR for 2011:Q3.
4. Nonfarm noncorporate business (tables F.103 and L.103)	IRS/SOI data through 2009; bank and finance company loans and mortgage borrowing through 2011:Q3.	<i>Statistics of Income</i> data since 2009.
5. Farm business (tables F.104 and L.104)	Mortgages, bank loans, loans from government-sponsored enterprises, U.S. government loans to farms, and equity in government-sponsored enterprises through 2011:Q3; preliminary data for checkable deposits and currency and trade payables through 2010.	Consumption of fixed capital and undistributed profits since 2010.
6. State and local governments (tables F.105 and L.105)	Gross offerings and retirements of municipal securities, deposits at banks, and nonmarketable U.S. government security issues through 2011:Q3; total financial assets through 2009:Q2 from the Census Bureau; breakdown of financial assets through 2004:Q2 from the comprehensive annual financial reports of state and local governments.	Total financial assets since 2009:Q2 and selected financial asset detail since 2004:Q2.
7. Federal government (tables F.106 and L.106)	Data from the <i>Monthly Treasury Statement of Receipts and Outlays</i> and Treasury data for loan programs and the Troubled Assets Relief Program (TARP) through 2011:Q3.	None.

8. Rest of the world (U.S. international transactions) (tables F.107 and L.107)	Balance of payments data through 2011:Q2. NIPA estimates; data from bank Reports of Condition and from Treasury International Capital System through 2011:Q3.	Balance of payments data for 2011:Q3.
9. Monetary authority (tables F.109 and L.109)	All data through 2011:Q3.	None.
10. U.S.-chartered commercial banks (tables F.110 and L.110)	All data through 2011:Q3.	None.
11. Foreign banking offices in U.S. (tables F.111 and L.111)	All data through 2011:Q3.	None.
12. Bank holding companies (table F.112 and L.112)	All data through 2011:Q3.	None.
13. Banks in U.S.-affiliated areas (tables F.113 and L.113)	All data through 2011:Q3 for commercial banks in U.S.-affiliated areas. All data through 2010 for branches of domestic commercial banks located in U.S.-affiliated areas.	Data since 2010 for branches of domestic commercial banks located in U.S.-affiliated areas.
14. Savings institutions (tables F.114 and L.114)	All data through 2011:Q3.	None.
15. Credit unions (tables F.115 and L.115)	All data through 2011:Q3.	None.
16. Property-casualty insurance companies (tables F.116 and L.116)	All data through 2011:Q2. Preliminary data for 2011:Q3.	None.
17. Life insurance companies (tables F.117 and L.117)	All data through 2011:Q2. Preliminary data for 2011:Q3.	None.
18. Private pension funds (tables F.118 and L.118)	Internal Revenue Service/Department of Labor/Pension Benefit Guaranty Corporation Form 5500 data through 2007.	Form 5500 data since 2007.
19. State and local government employee retirement funds (tables F.119 and L.119)	Detailed data through 2008:Q2 from the Census Bureau; sample data through 2011:Q3 from the Census Bureau.	Detailed data since 2008:Q2.
20. Federal government retirement funds (tables F.120 and L.120)	Data from the <i>Monthly Treasury Statement of Receipts and Outlays</i> , the Thrift Savings Plan, and the National Railroad Retirement Investment Trust through 2011:Q3.	None.

21. Money market mutual funds (tables F.121 and L.121)	All data through 2011:Q3.	None.
22. Mutual funds (tables F.122 and L.122)	All data through 2011:Q3.	None.
23. Closed-end funds (tables F.123 and L.123)	All data through 2011:Q3.	None.
24. Exchange-traded funds (tables F.123 and L.123)	All data through 2011:Q3.	None.
25. Government-sponsored enterprises (tables F.124 and L.124)	Data for Fannie Mae, Freddie Mac, Farmer Mac, FHLB, FICO, FCS, and REFCORP through 2011:Q3.	None.
26. Agency- and GSE-backed mortgage pools (tables F.125 and L.125)	Data for Fannie Mae, Freddie Mac, and Ginnie Mae through 2011:Q3.	None.
27. Issuers of asset-backed securities (ABSs) (tables F.126 and L.126)	All data for private mortgage pools, consumer credit, business loans, student loans, consumer leases, and trade credit securitization through 2011:Q3.	None.
28. Finance companies (tables F.127 and L.127)	All data through 2011:Q3.	None.
29. Real estate investment trusts (REITs) (tables F.128 and L.128)	Data from SNL Financial through 2011:Q3.	None.
30. Security brokers and dealers (tables F.129 and L.129)	Data for firms filing FOCUS and FOGS reports through 2011:Q3.	None.
31. Funding corporations (tables F.130 and L.130)	Estimates for this sector are largely residuals and are derived from data for other sectors.	