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Comptroller of the Currency  
Administrator of National Banks

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Washington, DC 20219

## OCC's Quarterly Report on Bank Trading and Derivatives Activities First Quarter 2012

### Executive Summary

- Insured U.S. commercial banks and savings associations reported trading revenues of \$7.0 billion in the first quarter, 5% lower than \$7.4 billion in the first quarter of 2011. Trading revenues in the first quarter of 2012 were 178% higher than in the fourth quarter of 2011.
- Credit exposure from derivatives fell in the first quarter. Net current credit exposure decreased 12%, or \$53 billion, to \$377 billion.
- Trading risk exposure, as measured by Value-at-Risk (VaR), at the 5 largest trading companies totaled \$564 million, 16.7% lower than in the first quarter of 2011.
- For the third consecutive quarter, the notional amount of derivatives held by insured U.S. commercial banks and savings associations fell. Notional derivatives fell \$3 trillion, or 1.2%, from the fourth quarter of 2011, to \$228 trillion. Notional derivatives continue to fall due to trade compression efforts in credit and interest rate contracts.
- Derivative contracts remain concentrated in interest rate products, which comprise 81% of total derivative notional amounts. Credit derivatives, which represent 6% of total derivatives notionals, fell 5% to \$14 trillion.

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The OCC's quarterly report on trading revenues and bank derivatives activities is based on Call Report information provided by all insured U.S. commercial banks and trust companies, reports filed by U.S. financial holding companies, and other published data. Beginning in the first quarter of 2012, savings associations reported their financial results in the Call Reports. As a result, their trading and derivatives activity is now included in the OCC's quarterly derivatives report.

A total of 1,291 insured U.S. commercial banks and savings associations reported derivatives activities at the end of the first quarter, an increase of 213 (of which 192 were savings associations) from the prior quarter. Derivatives activity in the U.S. banking system continues to be dominated by a small group of large financial institutions. Four large commercial banks represent 93% of the total banking industry notional amounts and 81% of industry net current credit exposure.

The OCC and other supervisors have examiners on-site at the largest banks to continuously evaluate the credit, market, operational, reputation, and compliance risks of bank derivatives activities. In addition to the OCC's on-site supervisory activities, the OCC continues to work with other financial supervisors and major market participants to address infrastructure issues in OTC derivatives, including development of objectives and milestones for stronger trade processing and improved market transparency across all OTC derivatives categories.

### Revenues

Insured U.S. commercial banks and savings associations reported \$7.0 billion in trading revenues in the first quarter, 178% higher than in the fourth quarter of 2011, but 5% lower than \$7.4 billion in the first quarter of 2011. Improvements in the general macroeconomic and risk outlook led to healthy client demand that

supported first quarter trading revenues. Trading revenues in the first quarter are typically the strongest of the year, as business demand and trading volume increase from the seasonally slow year-end period. In the 12 full years beginning in 2000, first quarter trading revenues have been the strongest of the year 7 times, and second strongest 4 times. Over that same period, 37% of total trading revenues have come in the first quarter.

Relative to the fourth quarter, stronger first quarter revenues were driven by seasonal rebounds in interest rate/foreign exchange and commodity trading revenues. Combined interest rate and FX revenues, typically the driver of bank trading revenues, totaled \$7.1 billion, 224% higher than \$2.2 billion in the fourth quarter. Credit trading revenues, the most volatile component of overall trading revenues, were \$1.0 billion lower.

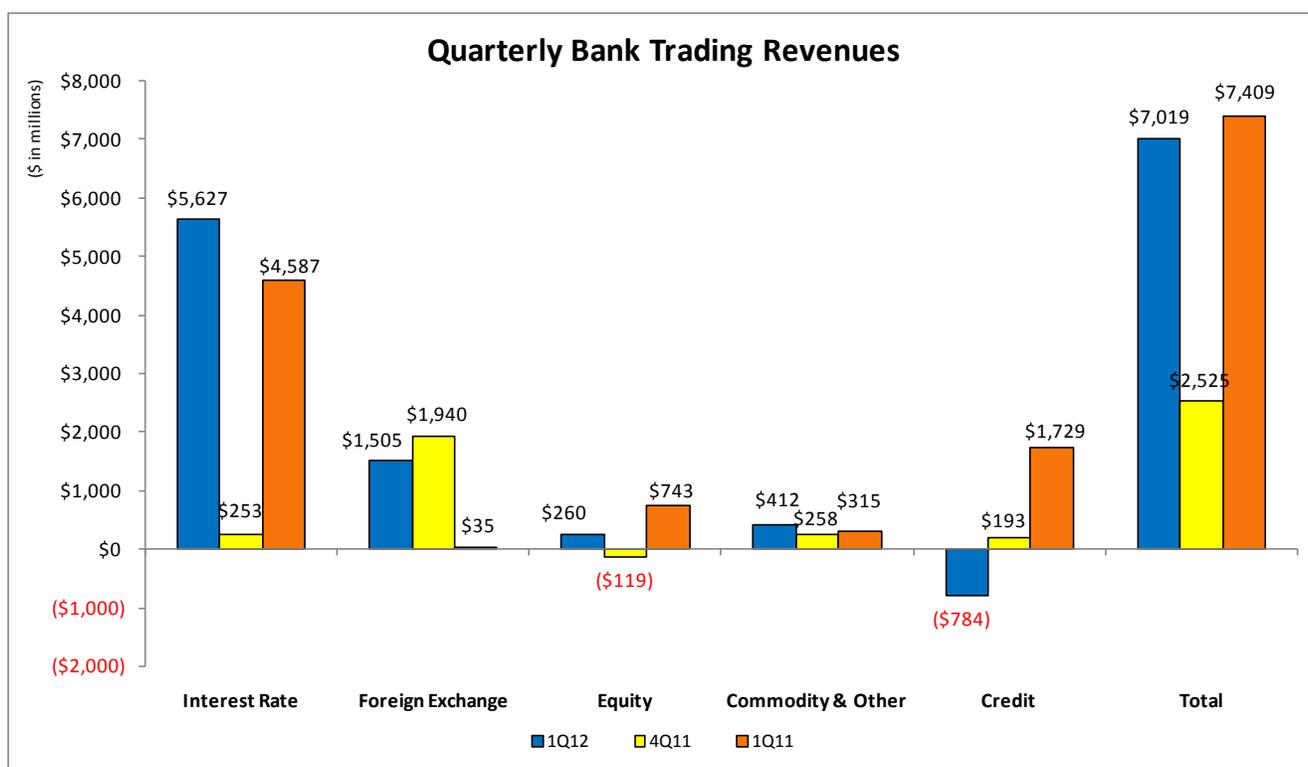
The 5% (\$390 million) fall in trading revenues compared to the first quarter of 2011 resulted from weaker credit trading results. Revenues from credit intermediation activities were \$2.5 billion lower in the first quarter of 2012 than in 2011, which was offset by a \$2.5 billion increase in interest rate/FX revenues. Revenues from equity intermediation were \$0.5 billion lower.

### Commercial Bank Trading Revenue

Bank Trading Revenue \$ in millions	1Q12	4Q11	Change 1Q12 vs. 4Q11	% Change 1Q12 vs. 4Q11	1Q11	Change 1Q12 vs. 1Q11	% Change 1Q12 vs. 1Q11
Interest Rate	5,627	253	5,374	2127%	4,587	1,040	23%
Foreign Exchange	1,505	1,940	(435)	-22%	35	1,470	4222%
Equity	260	(119)	379	319%	743	(483)	-65%
Commodity & Other	412	258	154	60%	315	97	31%
Credit	(784)	193	(978)	-506%	1,729	(2,514)	-145%
<b>Total Trading Revenues</b>	<b>7,019</b>	<b>2,525</b>	<b>4,494</b>	<b>178%</b>	<b>7,409</b>	<b>(390)</b>	<b>-5%</b>

Bank Trading Revenue \$ in millions	1Q12	Avg Past 12 Q1's	ALL Quarters Since Q4 1996			Past 8 Quarters		
			Avg	Hi	Low	Avg	Hi	Low
Interest Rate	5,627	2,736	1,435	9,099	(3,420)	2,843	5,627	145
Foreign Exchange	1,505	1,761	1,497	4,261	(1,535)	1,461	4,261	(1,047)
Equity	260	822	403	1,829	(1,229)	519	1,442	(119)
Commodity & Other	412	214	163	789	(320)	271	558	(25)
Credit*	(784)	(347)	N/A	2,707	(11,780)	788	1,840	(784)
<b>Total Trading Revenues</b>	<b>7,019</b>					<b>5,881</b>		

\*Credit trading revenues became reportable in 1Q07. Highs and lows are for available quarters only.



Note: Beginning 1Q07, credit exposures are broken out as a separate category.  
Data Source: Call Reports.

### Holding Company Trading Revenues<sup>1</sup>

To get a more complete picture of trading revenues in the banking system, it is useful to consider consolidated holding company trading performance. As illustrated in the table below, consolidated holding company trading revenues of \$18.9 billion in the first quarter of 2012 were 268% higher than fourth quarter revenues, and 151% higher (\$11.4 billion) than in the first quarter of 2011. Trading revenues were sharply higher across product sectors in the first quarter of 2012. Interest rate and FX revenues were \$9.6 billion this quarter, compared to \$3.4 billion in the fourth quarter and \$2.6 billion in last year's first quarter. Equity revenues of \$5.7 billion in the first quarter of 2012 were 87% higher than in both the fourth quarter and the first quarter of 2011.

Holding Co. Trading Revenue	1Q12	4Q11	Change 1Q12 vs. 4Q11	% Change 1Q12 vs. 4Q11	1Q11	Change 1Q12 vs. 1Q11	% Change 1Q12 vs. 1Q11
\$ in millions							
Interest Rate	7,608	324	7,284	2248%	(1,595)	9,203	577%
Foreign Exchange	2,005	3,034	(1,028)	-34%	4,194	(2,188)	-52%
Equity	5,684	3,047	2,637	87%	3,035	2,649	87%
Commodity & Other	2,265	1,646	619	38%	1,622	643	40%
Credit	1,333	(2,912)	4,245	146%	271	1,063	393%
<b>Total HC Trading Revenues</b>	<b>18,896</b>	<b>5,139</b>	<b>13,757</b>	<b>268%</b>	<b>7,526</b>	<b>11,370</b>	<b>151%</b>

Prior to the financial crisis, bank trading revenues typically ranged from 60-80% of consolidated holding company trading revenues. Since the financial crisis, and the adoption of bank charters by the former investment banks, the percentage of bank trading revenues to consolidated company revenues has fallen into a range of 30-50%. This decline reflects the significant amount of trading activity by the former investment banks that, while included in holding company results, remains outside the insured commercial bank. More

<sup>1</sup> The OCC's Quarterly Report on Bank Trading and Derivatives Activities focuses on the activity and performance of insured commercial banks. Discussion of consolidated bank holding company activity and performance is limited to this section, as well as the data in Table 2 and Graph 5D.

generally, insured commercial banks and savings associations have more limited legal authorities than do their holding companies, particularly in commodity and equity products.

In the first quarter, bank trading revenues represented 37% of consolidated company trading revenues, compared to 49% in the fourth quarter. The decline in the bank contribution to holding company revenues is attributable to stronger equity, credit and commodity revenue at the consolidated company level. Equity and commodity trading revenues are a much bigger component of trading revenues at the consolidated company than in the insured commercial bank.

## **Credit Risk**

Credit risk is a significant risk in bank derivatives trading activities. The notional amount of a derivative contract is a reference amount from which contractual payments will be derived, but it is generally not an amount at risk. The credit risk in a derivative contract is a function of a number of variables, such as whether counterparties exchange notional principal, the volatility of the underlying market factors (interest rate, currency, commodity, equity or corporate reference entity), the maturity and liquidity of the contract, and the creditworthiness of the counterparty.

Credit risk in derivatives differs from credit risk in loans due to the more uncertain nature of the potential credit exposure. With a funded loan, the amount at risk is the amount advanced to the borrower. The credit risk is unilateral; the bank faces the credit exposure of the borrower. However, in most derivatives transactions, such as swaps (which make up the bulk of bank derivatives contracts), the credit exposure is bilateral. Each party to the contract may (and, if the contract has a long enough tenor, probably will) have a current credit exposure to the other party at various points in time over the contract's life. Moreover, because the credit exposure is a function of movements in market factors, banks do not know, and can only estimate, how much the value of the derivative contract might be at various points of time in the future.

The first step to measuring credit exposure in derivative contracts involves identifying those contracts where a bank would lose value if the counterparty to a contract defaulted today. The total of all contracts with positive value (i.e., derivatives receivables) to the bank is the gross positive fair value (GPFV) and represents an initial measurement of credit exposure. The total of all contracts with negative value (i.e., derivatives payables) to the bank is the gross negative fair value (GNFV) and represents a measurement of the exposure the bank poses to its counterparties.

\$ in billions	Gross Positive Fair Values				Gross Negative Fair Values			
	1Q12	4Q11	Change	%Change	1Q12	4Q11	Change	%Change
Interest Rates	3,771	4,478	(707)	-16%	3,677	4,388	(711)	-16%
FX	412	503	(90)	-18%	417	477	(60)	-13%
Equity	84	77	7	9%	84	75	9	11%
Commodity	54	53	1	2%	56	55	1	3%
Credit	293	418	(125)	-30%	288	404	(116)	-29%
Total	4,614	5,528	(915)	-17%	4,522	5,400	(877)	-16%

Gross positive fair values (i.e., derivatives receivables) decreased 17%, or \$915 billion, to \$4.6 trillion in the first quarter. Receivables from interest rate contracts, which make up 82% of gross derivatives receivables (and hence are the dominant source of credit exposure), decreased 16%, or \$707 billion, due to higher interest rates during the quarter. Because banks hedge the market risk of their derivatives portfolios, the decrease in gross positive fair values was offset by a similar decrease in gross negative fair values (i.e., derivatives payables). Derivatives payables decreased 16%, or \$877 billion, to \$4.5 trillion, with payables declining across interest rates, FX and credit contracts, consistent with the decline in receivables on those same asset classes.

For a portfolio of contracts with a single counterparty where the bank has a legally enforceable bilateral netting agreement, contracts with negative values may be used to offset contracts with positive values. This process generates a “net” current credit exposure (NCCE), as shown in the example below:

Counterparty A Portfolio	# of Contracts	Value of Contracts	Credit Measure/Metric
Contracts With Positive Value	6	\$500	Gross Positive Fair Value
Contracts With Negative Value	4	\$350	Gross Negative Fair Value
Total Contracts	10	\$150	Net Current Credit Exposure (NCCE) to Counterparty A

A bank’s net current credit exposure across all counterparties will therefore be the sum of the gross positive fair values for counterparties without legally certain bilateral netting arrangements (this may be due to the use of non-standardized documentation or jurisdiction considerations) and the bilaterally netted current credit exposure for counterparties with legal certainty regarding the enforceability of netting agreements.

Net current credit exposure is the primary metric used by the OCC to evaluate credit risk in bank derivatives activities. NCCE for insured U.S. commercial banks and saving associations decreased 12% (\$53 billion) to \$377 billion in the first quarter, as the \$915 billion decrease in gross receivables (GPFV) exceeded the \$862 billion decrease in the dollar amount of netting benefits. NCCE peaked at \$800 billion at the end of 2008, during the financial crisis, when interest rates had plunged and credit spreads were very high. Legally enforceable netting agreements allowed banks to reduce GPFV exposures by 91.8% (\$4.2 trillion) in the first quarter, down from the record 92.2% in the fourth quarter. Notwithstanding the decline in NCCE, credit exposures from derivatives remains elevated, and very sensitive to declines in interest rates and increases in credit spreads.

\$ in billions	1Q12	4Q11	Change	%
Gross Positive Fair Value (GPFV)	4,614	5,528	(915)	-17%
Netting Benefits	4,236	5,098	(862)	-17%
<b>Netted Current Credit Exposure (NCCE)</b>	<b>377</b>	<b>430</b>	<b>(53)</b>	<b>-12%</b>
Potential Future Exposure (PFE)	748	767	(19)	-2%
Total Credit Exposure (TCE)	1,126	1,198	(72)	-6%
Netting Benefit %	91.8%	92.2%	-0.4%	0%
10 Year Interest Swap Rate	2.23%	2.04%	0.19%	9%
Dollar Index Spot	79.0	80.2	(1.2)	-1%
Credit Derivative Index - North America Inv Grade	87.0	119.9	(32.9)	-27%
Credit Derivative Index - High Volatility	172.3	252.8	(80.6)	-32%
Russell 3000 Index Fund (RAY)	834.1	742.6	91.5	12%
Dow Jones-UBS Commodity Index (DJUBS)	141.9	140.7	1.2	1%

Note: Numbers may not add due to rounding.

The second step in evaluating credit risk involves an estimation of how much the value of a given derivative contract might change in the bank’s favor over the remaining life of the contract; this is referred to as the “potential future exposure” (PFE). PFE decreased 2% (\$19 billion) in the first quarter to \$748 billion, due to a decline in the notional amount of credit and interest rate contracts. The total credit exposure (PFE plus the net current credit exposure) decreased 6% in the first quarter to \$1.1 trillion.

The distribution of NCCE in the banking system is concentrated in banks/securities firms (57%) and corporations (36%). Exposure to hedge funds, sovereign governments and monoline financial firms is very small (6% in total). However, the sheer size of aggregate counterparty exposures results in the potential for major losses even in sectors where exposure is a small percentage of the total. For example, notwithstanding the minimal share of NCCE to monolines, banks suffered material losses on these exposures during the credit crisis. Because banks have taken credit charges (via credit valuation adjustments) to completely write down

their monoline exposures, current credit exposures to monolines are now virtually 0% of total net current credit exposure. Sovereign credit exposures are also a small component (5%) of net current credit exposure and, like monoline exposures, are largely unsecured. These exposures are an increasing area of focus for bank supervisors as they review counterparty credit risk.

Net Current Credit Exposure By Counterparty Type as a % of Total NCCE	Banks & Securities Firms	Monoline Financial Firms	Hedge Funds	Sovereign Governments	Corp and All Other Counterparties	Total
Total Commercial Banks	57%	0%	1%	5%	36%	100%
Top 4 Commercial Banks	59%	0%	1%	6%	33%	100%

A more risk sensitive measure of credit exposure would also consider the value of collateral held against counterparty exposures. Commercial banks and savings associations with total assets greater than \$10 billion report the fair value of collateral held against various classifications of counterparty exposure.

Reporting banks held collateral against 67% of total NCCE at the end of the first quarter, up from 66% in the fourth quarter of 2011. Credit exposures to banks/securities firms and hedge funds are well secured. Banks held collateral against 88% of their current exposure to banks and securities firms, up from 87% in the fourth quarter. Collateral held against hedge fund exposures increased to 312% in the first quarter, from 245% in the fourth quarter. Hedge fund exposures have always been very well secured, because banks take "initial margin" on transactions with hedge funds, in addition to fully securing any current credit exposure. Collateral coverage of corporate, monoline and sovereign exposures is much less than for financial institutions and hedge funds.

FV of Collateral to Net Current Credit Exposure	Banks & Securities Firms	Monoline Financial Firms	Hedge Funds	Sovereign Governments	Corp and All Other Counterparties	Overall FV/NCCE
Total Commercial Banks	88%	6%	312%	15%	32%	67%

Collateral quality held by banks is very high and liquid, with 81.3% held in cash (both U.S. dollar and non-dollar), and an additional 9.1% held in U.S. Treasuries and government agencies.

Fair Value of Collateral	Cash U.S. Dollar	Cash Other	U.S. Treas Securities	U.S. Gov't Agency	Corp Bonds	Equity Securities	All Other Collateral	Total
Collateral Composition (%)	47.4%	33.9%	3.0%	6.1%	0.5%	0.9%	8.3%	100.0%

Key credit performance metrics for derivatives receivables were mixed in the first quarter, with slightly higher charge-offs but lower volumes of past due contracts. The fair value of derivatives contracts past due 30 days or more decreased 32% to \$25 million. Past-due derivative contracts represent 0.01% of NCCE. Banks charged-off \$76 million in derivatives receivables in the first quarter, up from \$69 million in the fourth quarter. Though the volume of charge-offs increased in the first quarter, 2 fewer banks reported charge-offs of derivatives exposures (21 versus 23). Charge-offs in the first quarter of 2012 represented 0.02% of the net current credit exposure from derivative contracts, the same as in the fourth quarter. [See Graph 5C.] For comparison purposes, Commercial and Industrial (C&I) loan net charge-offs decreased \$488 million, or 21%, to \$1.9 billion, in the first quarter. Net C&I charge-offs were 0.14% of total C&I loans in the first quarter, down from 0.19% in the fourth quarter.

The level of charge-offs of derivatives credit exposures is typically much less than for C&I exposures. Two factors account for the historically favorable charge-off performance of derivatives. First, the credit quality of the typical derivatives counterparty is higher than the credit quality of the typical C&I borrower. Second, most of the large credit exposures from derivatives, whether from other dealers, large non-dealer banks, or hedge funds are collateralized daily, typically by cash and/or government securities.

## **Market Risk**

Banks control market risk in trading operations primarily by establishing limits against potential losses. Value-at-Risk (VaR) is a statistical measure that banks use to quantify the maximum expected loss, over a specified horizon and at a certain confidence level, in normal markets. It is important to emphasize that VaR is not the maximum potential loss; it provides a loss estimate at a specified confidence level. A VaR of \$50 million at 99% confidence measured over one trading day, for example, indicates that a trading loss of greater than \$50 million

in the next day on that portfolio should occur only once in every 100 trading days under normal market conditions. Since VaR does not measure the maximum potential loss, banks stress test trading portfolios to assess the potential for loss beyond the VaR measure. Banks and supervisors have been working to expand the use of stress analyses to complement the VaR risk measurement process that is typically used when assessing a bank's exposure to market risk.

\$ in millions	JPMorgan Chase & Co.	Citigroup Inc.	Bank of America Corp.	The Goldman Sachs Group	Morgan Stanley
Average VaR Q1'12	\$170	\$131	\$84	\$95	\$84
Average VaR Q1'11	\$88	\$171	\$184	\$113	\$121
Change in Avg VaR Q1'12 vs Q1'11	\$106	(\$40)	(\$100)	(\$18)	(\$37)
% Change in Avg VaR Q1'12 vs Q1'11	93%	-23%	-54%	-16%	-31%
3-31-12 Equity Capital	\$189,728	\$181,820	\$232,499	\$71,656	\$62,324
2011 Net Income	\$18,976	\$11,067	\$1,446	\$4,442	\$4,110
Avg VaR Q1'12 / Equity	0.09%	0.1%	0.0%	0.1%	0.1%
Avg VaR Q1'12 / 2011 Net Income	0.9%	1.2%	5.8%	2.1%	2.0%

Data Source: 10K & 10Q SEC Reports.

The large trading banks disclose average VaR data in published financial reports. To provide perspective on the market risk of trading activities, it is useful to compare the VaR numbers over time, and to equity capital and net income. As shown in the table above, market risks reported by the five largest banking companies, as measured by VaR, are small as a percentage of their capital. Because of mergers, and VaR measurement systems incorporating higher volatility price changes throughout the credit crisis (compared to the very low volatility environment prior to the crisis), bank VaR measures had generally increased throughout the credit crisis. After the peak of the financial crisis, as more normal market conditions emerged and volatility declined, bank VaR measures have broadly trended lower.

The VaR data in the table above reflect the VaR of all activities in the large dealer firms. In the past, our reports have used only the VaR related to trading/intermediation activities. The large dealers also measure risk, using VaR, for non-trading activities such as hedging mortgage servicing rights. Effective with this report, the VaR data above reflect the aggregate VaR of each dealer firm, for both trading and non-trading activities. As a result, the VaR measures are higher than in our previous reports.

Concerns about the quality of European sovereign debt have led market participants to increasingly focus on the health of the banking system in Europe. Those European concerns, combined with uncertainty about the impact on derivatives markets from legislative changes and progress on reducing the U.S. budget deficit, led large dealers to actively reduce risk throughout 2011, and this broad trend has continued in 2012. Aggregate average VaR measures across the five largest dealer firms totaled \$564 million for the first quarter of 2012, 16.7% lower than \$677 million in the first quarter of 2011.

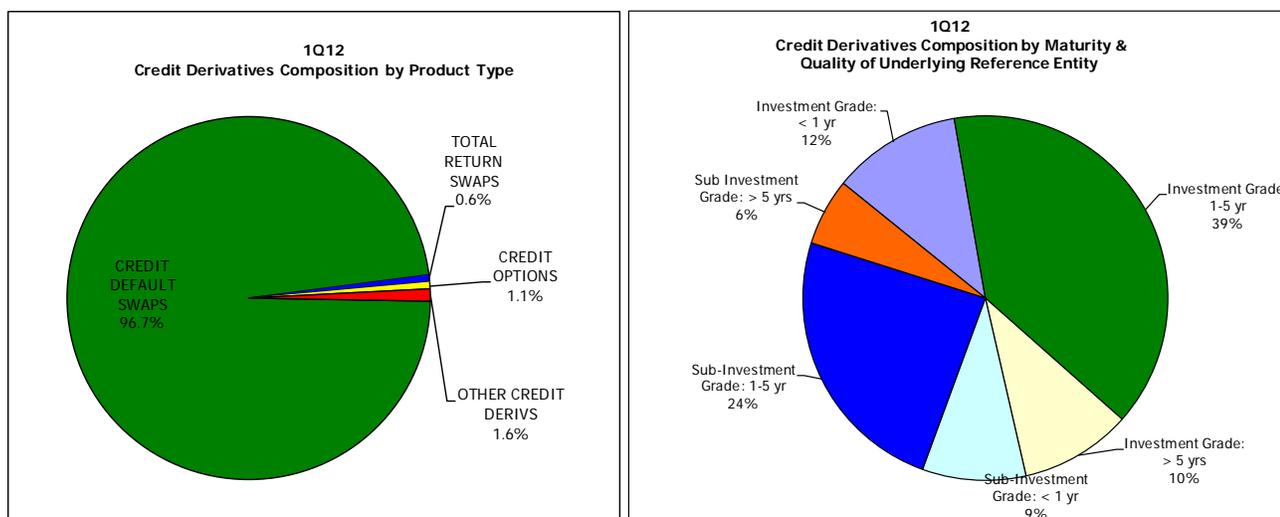
Because of methodological differences in calculating VaR, readers are cautioned that a higher VaR figure at a particular bank may not necessarily imply that the bank has more trading risk than another bank with a lower VaR. For example, JP Morgan, Goldman Sachs and Morgan Stanley calculate VaR using a 95% confidence interval. If those firms used a 99% confidence interval, as does Bank of America and Citigroup, their VaR estimates would be meaningfully higher. The data series used to measure risk also is an important factor in the calculated risk measure. Firms using a longer period over which to measure risk may include the higher volatility period of the financial crisis, and therefore their measured VaR will be higher than firms that use a less volatile data series. Indeed, one major reason for the decline in VaR at large trading firms is the lower volatility environment that has prevailed since the end of the financial crisis. The VaR measure for a single portfolio of exposures will be different if the time period used to measure risk is not the same.

To test the effectiveness of VaR measurement systems, trading institutions track the number of times that daily losses exceed VaR estimates. Under the Market Risk Rule that establishes regulatory capital requirements for U.S. commercial banks and savings associations with significant trading activities, a bank's capital requirement for market risk is based on its VaR measured at a 99% confidence level and assuming a 10-day holding period. Banks back-test their VaR measure by comparing the actual daily profit or loss to the VaR measure. The results of the back-test determine the size of the multiplier applied to the VaR measure in the risk-based capital calculation. The multiplier adds a safety factor to the capital requirements. An "exception" occurs when a

dealer has a daily loss in excess of its VaR measure. Some banks disclose the number of such “exceptions” in their published financial reports. Because of the unusually high market volatility and large write-downs in CDOs during the financial crisis, as well as poor market liquidity, a number of banks experienced back-test exceptions and therefore an increase in their capital multiplier. Currently, however, none of the large dealer banks hold additional capital for market risk based upon an increased multiplier, as the incidence of back-test exceptions no longer requires it.

## Credit Derivatives

Credit derivatives decreased 5% in the first quarter to \$14 trillion. Credit derivatives outstanding remain below the peak of \$16.4 trillion in the first quarter of 2008. From year-end 2003 to 2008, credit derivative contracts grew at a 100% compounded annual growth rate. Industry efforts to eliminate offsetting trades (“trade compression”), as well as reduced demand for structured products, has led to a decline in credit derivative notionals. Tables 11 and 12 provide detail on individual bank holdings of credit derivatives by product and maturity, as well as the credit quality of the underlying reference entities. As shown in the first chart below, credit default swaps are the dominant product at 97% of all credit derivatives notionals. [See charts below, Tables 11 and 12, and Graph 10.]



Note: Beginning 1Q07, credit exposures are broken out as a separate category.  
Data Source: Call Reports.

Contracts referencing investment grade entities with maturities from 1-5 years represent the largest segment of the market at 39% of all credit derivatives notionals, down from 40% at end of the fourth quarter of 2011. Contracts of all tenors that reference investment grade entities are 61% of the market, up from 59% in the fourth quarter. [See chart on right above.]

The notional amount for the 43 insured U.S. commercial banks and savings associations that sold credit protection (i.e., assumed credit risk) was \$7 trillion, down 4% (\$294 billion) from the fourth quarter. The notional amount for the 35 banks that purchased credit protection (i.e., hedged credit risk) was \$7 trillion, a decrease of 6% (\$414 billion). [See Tables 1, 3, 11 and 12 and Graphs 2, 3 and 4.]

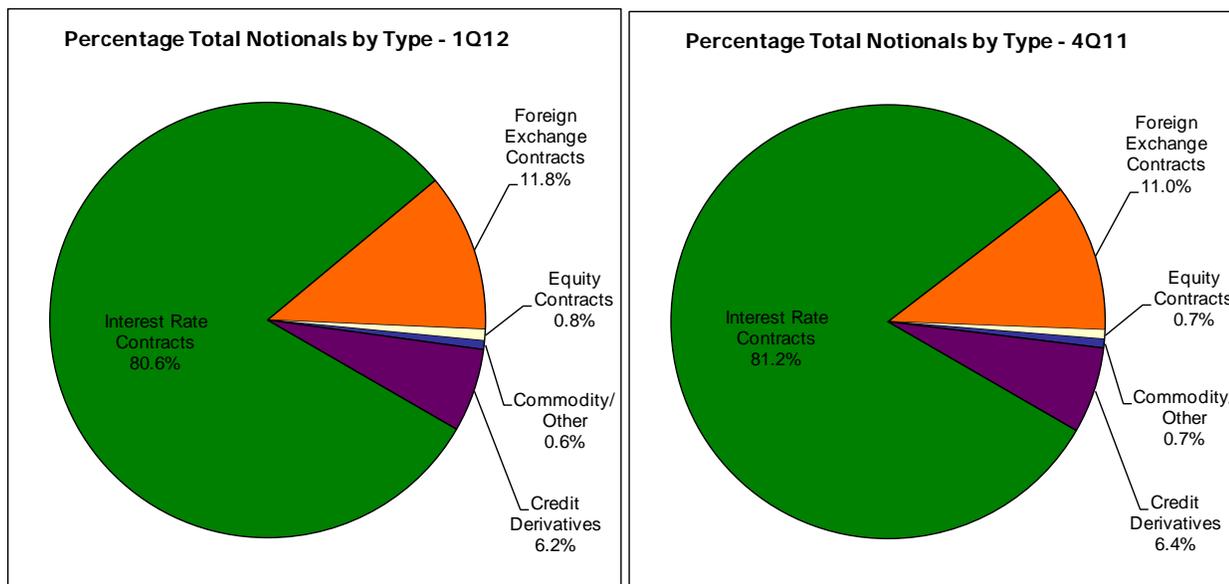
## Notionals

Changes in notional volumes are generally reasonable reflections of business activity, and therefore can provide insight into potential revenue and operational issues. However, the notional amount of derivatives contracts does not provide a useful measure of either market or credit risks.

The notional amount of derivatives contracts held by insured U.S. commercial banks and savings associations in the first quarter fell, for a third consecutive quarter, by \$3 trillion (1.2%) to \$227.8 trillion from the fourth quarter. The decline in notionals is entirely due to a \$7.6 trillion decline (5.2%) in swap contracts, reflecting

ongoing trade compression efforts. Trade compression aggregates a large number of swap contracts with similar factors, such as risk or cash flows, into fewer trades. Compression removes economic redundancy in a derivatives book, and also reduces both operational risks and capital costs for large dealers. Trade compression efforts have focused on interest rate and credit derivatives, each of which fell in the first quarter. Interest rate contracts fell by \$3.8 trillion (2%) to \$184 trillion, while credit derivative contracts (as noted above) fell \$700 billion (5%) to \$14.1 trillion.

The four banks with the most derivatives activity hold 93% of all derivatives, while the largest 25 banks account for nearly 100% of all contracts. [See Tables 3, 5 and Graph 4.]



Note: Beginning 1Q07, credit exposures are broken out as a separate category.  
Data Source: Call Reports.

Interest rate contracts comprise 81% of total derivatives. FX and credit derivatives are 12% and 6%, respectively, of total notionals.

\$ in billions	1Q12	4Q11	\$ Change	% Change	% of Total Derivatives
Interest Rate Contracts	183,742	187,509	(3,767)	-2%	81%
Foreign Exchange Contracts	26,816	25,436	1,379	5%	12%
Equity Contracts	1,899	1,589	310	20%	1%
Commodity/Other	1,474	1,501	(27)	-2%	1%
Credit Derivatives	14,052	14,759	(707)	-5%	6%
<b>Total</b>	<b>227,982</b>	<b>230,794</b>	<b>(2,812)</b>	<b>-1%</b>	<b>100%</b>

Note: Numbers may not add due to rounding.

Swap contracts, notwithstanding the decline in the first quarter, continue to represent the bulk of the derivatives market at 61%.

\$ in billions	1Q12	4Q11	\$ Change	% Change	% of Total Derivatives
Futures & Forwards	40,604	37,248	3,356	9%	18%
Swaps	138,671	146,253	(7,582)	-5%	61%
Options	34,656	32,534	2,122	7%	15%
Credit Derivatives	14,052	14,759	(707)	-5%	6%
<b>Total</b>	<b>227,982</b>	<b>230,794</b>	<b>(2,812)</b>	<b>-1%</b>	<b>100%</b>

Note: Numbers may not add due to rounding.

## **GLOSSARY OF TERMS**

**Bilateral Netting:** A legally enforceable arrangement between a bank and a counterparty that creates a single legal obligation covering all included individual contracts. This means that a bank's receivable or payable, in the event of the default or insolvency of one of the parties, would be the net sum of all positive and negative fair values of contracts included in the bilateral netting arrangement.

**Credit Derivative:** A financial contract that allows a party to take, or reduce, credit exposure (generally on a bond, loan or index). Our derivatives survey includes over-the-counter (OTC) credit derivatives, such as credit default swaps, total return swaps, and credit spread options.

**Derivative:** A financial contract whose value is derived from the performance of underlying market factors, such as interest rates, currency exchange rates, commodity, credit, and equity prices. Derivative transactions include a wide assortment of financial contracts including structured debt obligations and deposits, swaps, futures, options, caps, floors, collars, forwards and various combinations thereof.

**Gross Negative Fair Value (GNFV):** The sum total of the fair values of contracts where the bank owes money to its counterparties, without taking into account netting. This represents the maximum losses the bank's counterparties would incur if the bank defaults and there is no netting of contracts, and no bank collateral was held by the counterparties. Gross negative fair values associated with credit derivatives are included.

**Gross Positive Fair Value (GPFV):** The sum total of the fair values of contracts where the bank is owed money by its counterparties, without taking into account netting. This represents the maximum losses a bank could incur if all its counterparties default and there is no netting of contracts, and the bank holds no counterparty collateral. Gross positive fair values associated with credit derivatives are included.

**Net Current Credit Exposure (NCCE):** For a portfolio of derivative contracts, NCCE is the gross positive fair value of contracts less the dollar amount of netting benefits. On any individual contract, current credit exposure (CCE) is the fair value of the contract if positive, and zero when the fair value is negative or zero. NCCE is also the net amount owed to banks if all contracts were immediately liquidated.

**Notional Amount:** The nominal or face amount that is used to calculate payments made on swaps and other risk management products. This amount generally does not change hands and is thus referred to as notional.

**Over-the-Counter Derivative Contracts:** Privately negotiated derivative contracts that are transacted off organized exchanges.

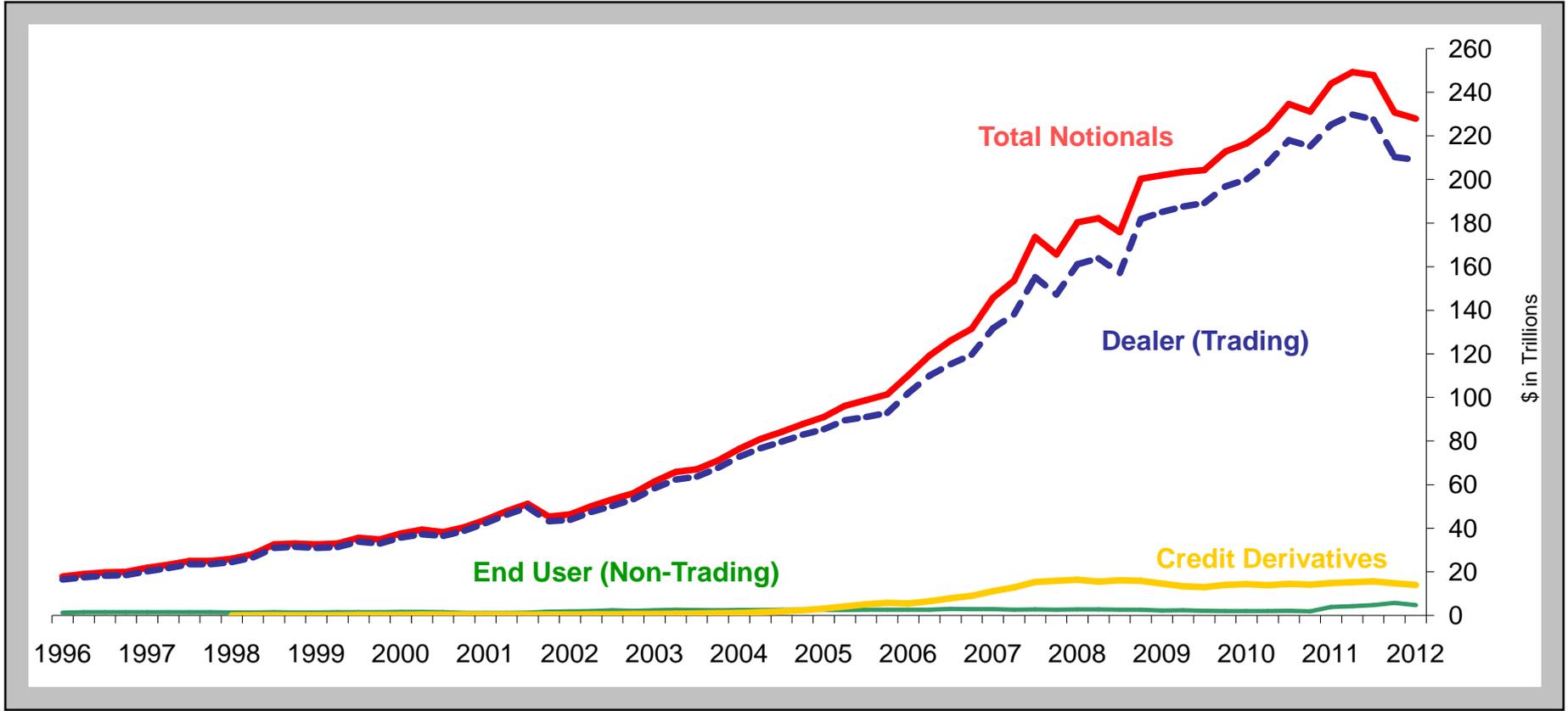
**Potential Future Exposure (PFE):** An estimate of what the current credit exposure (CCE) could be over time, based upon a supervisory formula in the agencies' risk-based capital rules. PFE is generally determined by multiplying the notional amount of the contract by a credit conversion factor that is based upon the underlying market factor (e.g., interest rates, commodity prices, equity prices, etc.) and the contract's remaining maturity. However, the risk-based capital rules permit banks to adjust the formulaic PFE measure by the "net to gross ratio," which proxies the risk-reduction benefits attributable to a valid bilateral netting contract. PFE data in this report uses the amounts upon which banks hold risk-based capital.

**Total Credit Exposure (TCE):** The sum total of net current credit exposure (NCCE) and potential future exposure (PFE).

**Total Risk-Based Capital:** The sum of tier 1 plus tier 2 capital. Tier 1 capital consists of common shareholders' equity, perpetual preferred shareholders' equity with noncumulative dividends, retained earnings, and minority interests in the equity accounts of consolidated subsidiaries. Tier 2 capital consists of subordinated debt, intermediate-term preferred stock, cumulative and long-term preferred stock, and a portion of a bank's allowance for loan and lease losses.

# Derivative Notionals by Type of User

## Insured U.S. Commercial Banks and Savings Associations



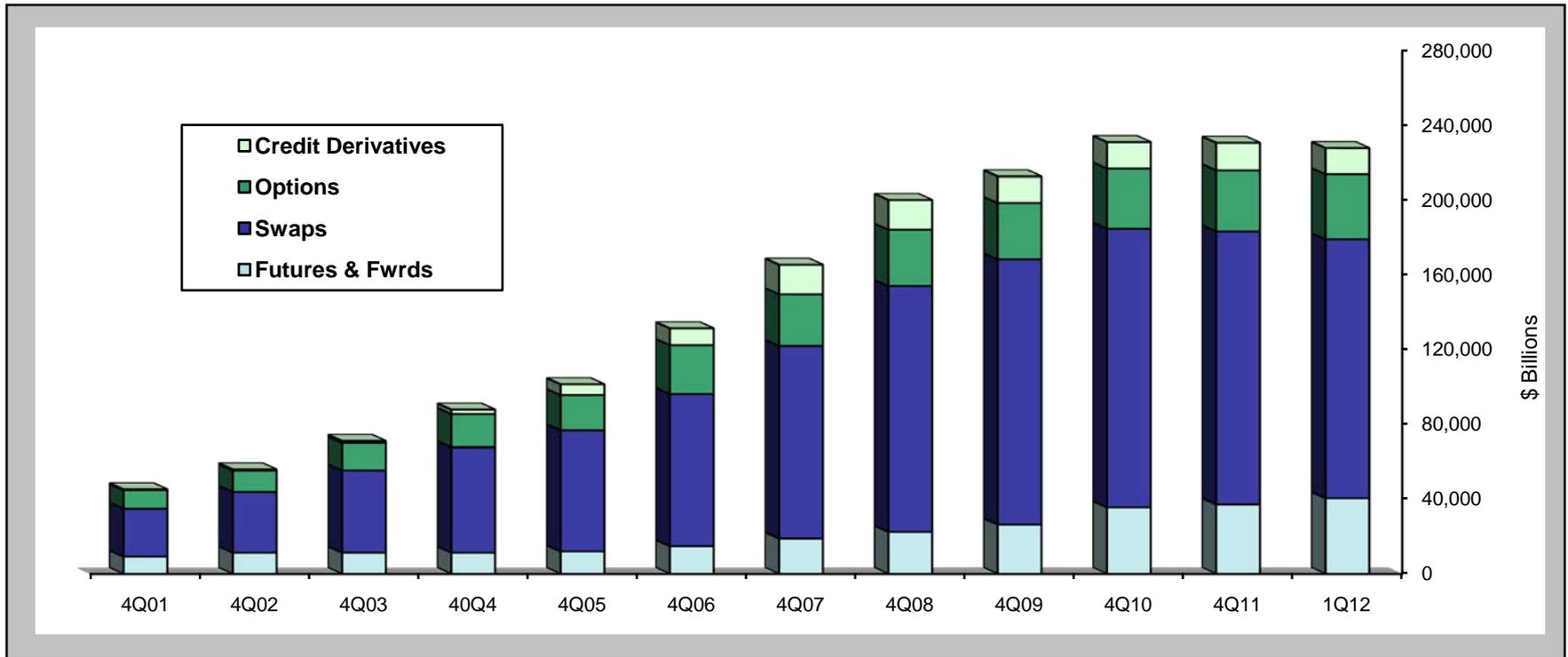
\$ in Trillions	2005				2006				2007				2008				2009				2010				2011				2012
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
<b>Total Derivative Notionals</b>	91.1	96.2	98.8	101.5	110.2	119.2	126.2	131.5	145.8	153.6	173.6	165.6	180.3	182.1	175.8	200.4	202.0	203.5	204.3	212.8	216.5	223.4	234.7	231.2	244.0	249.3	248.0	230.8	228.0
<b>Dealer (Trading)</b>	85.5	89.6	91.1	93.0	102.1	110.1	115.3	119.6	131.8	138.1	155.3	147.2	161.1	163.9	157.1	181.9	185.1	187.6	189.2	196.8	200.1	207.5	218.1	215.2	225.2	229.8	227.5	210.3	209.1
<b>End User (Non-Trading)</b>	2.5	2.5	2.6	2.6	2.6	2.6	3.0	2.8	2.9	2.6	2.8	2.6	2.8	2.8	2.6	2.3	2.4	2.1	2.0	2.0	2.0	2.1	1.9	3.9	4.3	4.8	5.8	4.8	
<b>Credit Derivatives</b>	3.1	4.1	5.1	5.8	5.5	6.6	7.9	9.0	11.1	12.9	15.4	15.9	16.4	15.5	16.1	15.9	14.6	13.4	13.0	14.0	14.4	13.9	14.5	14.2	14.9	15.2	15.7	14.8	14.1

Note: Numbers may not add due to rounding. Total derivative notionals are now reported including credit derivatives, for which regulatory reporting does not differentiate between trading and non-trading.

Data Source: Call Reports.

# Derivative Contracts by Product

## Insured U.S. Commercial Banks and Savings Associations Year-ends 2001 – 2011, Quarterly 2012



\$ in Billions	4Q01	4Q02	4Q03	4Q04	4Q05	4Q06	4Q07	4Q08	4Q09	4Q10	4Q11	1Q12
<b>Futures &amp; Fwrds</b>	9,313	11,374	11,393	11,373	12,049	14,877	18,967	22,512	26,493	35,709	37,248	<b>40,604</b>
<b>Swaps</b>	25,645	32,613	44,083	56,411	64,738	81,328	103,090	131,706	142,011	149,247	146,253	<b>138,671</b>
<b>Options</b>	10,032	11,452	14,605	17,750	18,869	26,275	27,728	30,267	30,267	32,075	32,534	<b>34,656</b>
<b>Credit Derivatives</b>	395	635	1,001	2,347	5,822	9,019	15,861	15,897	14,036	14,150	14,759	<b>14,052</b>
<b>TOTAL*</b>	45,386	56,074	71,082	87,880	101,478	131,499	165,645	200,382	212,808	231,181	230,794	<b>227,982</b>

\*Notional amount of total: futures, exchange traded options, over the counter options, forwards, and swaps.

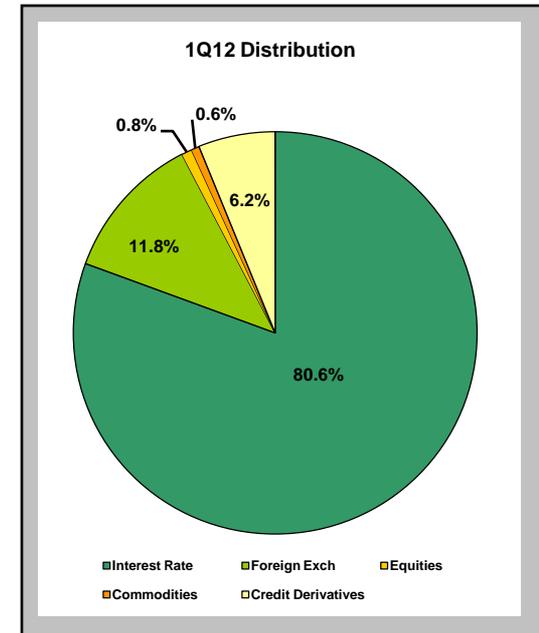
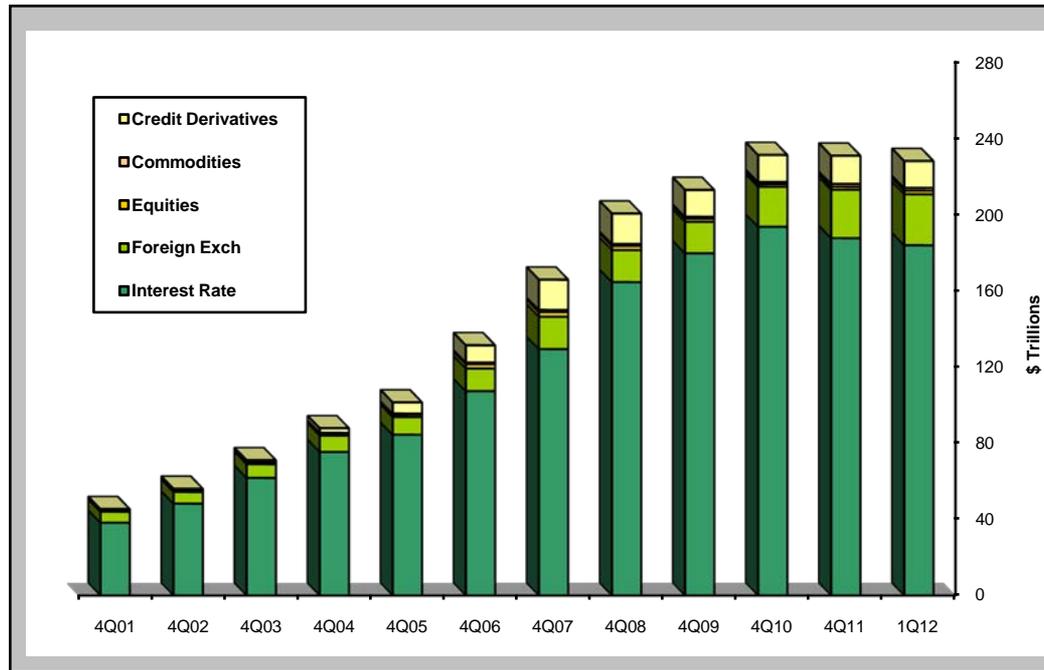
Note: Numbers may not add due to rounding.

Data Source: Call Reports

# Derivative Contracts by Type

## Insured U.S. Commercial Banks and Savings Associations

### Year-ends 2001 – 2011, Quarterly 2012



\$ in Billions	4Q01	4Q02	4Q03	4Q04	4Q05	4Q06	4Q07	4Q08	4Q09	4Q10	4Q11	1Q12
<b>Interest Rate</b>	38,305	48,347	61,856	75,518	84,520	107,415	129,574	164,404	179,555	193,482	187,509	<b>183,742</b>
<b>Foreign Exch</b>	5,736	6,076	7,182	8,607	9,282	11,900	16,614	16,824	16,553	20,990	25,436	<b>26,816</b>
<b>Equities</b>	770	783	829	1,120	1,255	2,271	2,522	2,207	1,685	1,364	1,589	<b>1,899</b>
<b>Commodities</b>	179	233	214	289	598	893	1,073	1,050	979	1,195	1,501	<b>1,474</b>
<b>Credit Derivatives</b>	395	635	1,001	2,347	5,822	9,019	15,861	15,897	14,036	14,150	14,759	<b>14,052</b>
<b>TOTAL*</b>	45,385	56,075	71,082	87,880	101,477	131,499	165,645	200,382	212,808	231,181	230,794	<b>227,982</b>

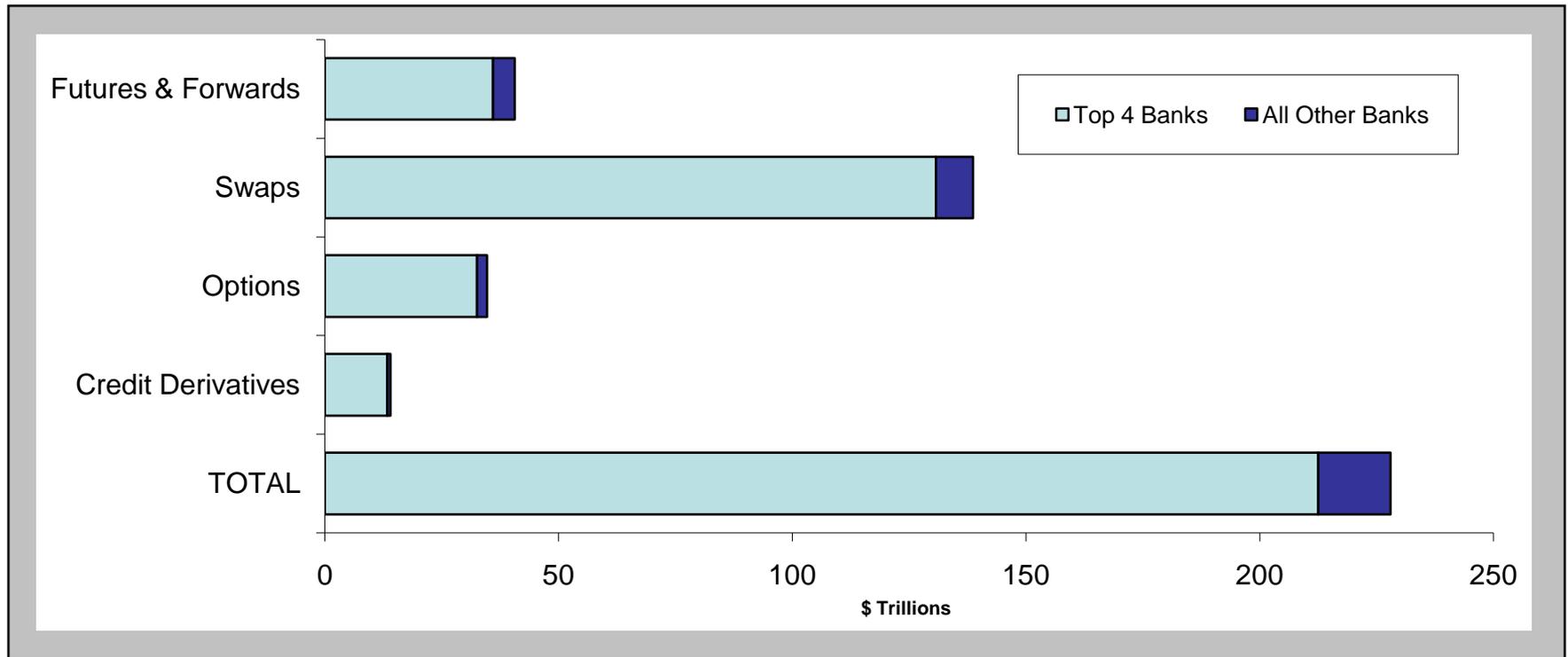
\*Notional amount of total: futures, exchange traded options, over the counter options, forwards, and swaps.

Note: As of 2Q06 equities and commodities types are shown as separate categories. They were previously shown as "Other Derivs." Numbers may not add due to rounding.

Data Source: Call Reports

# Four Banks Dominate in Derivatives

## Insured U.S. Commercial Banks and Savings Associations, 1Q12



### Concentration of Derivative Contracts

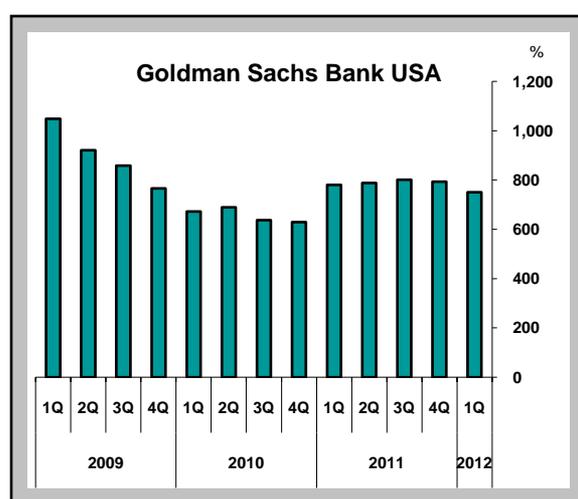
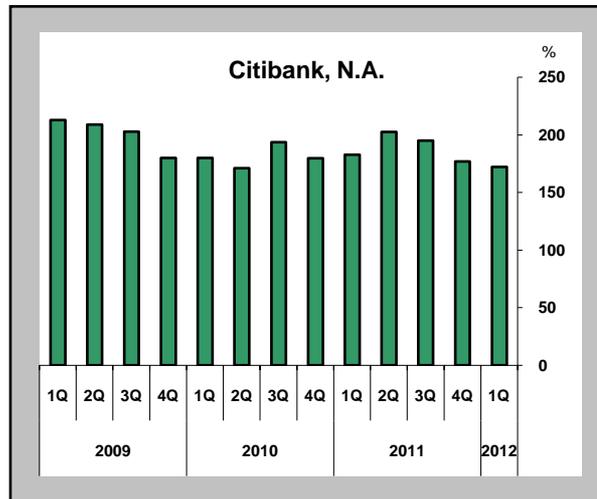
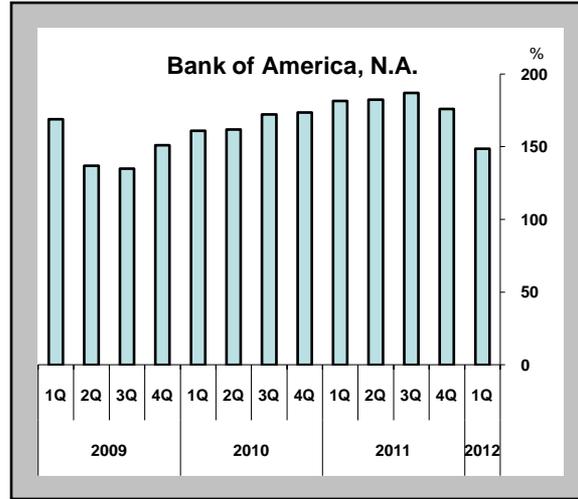
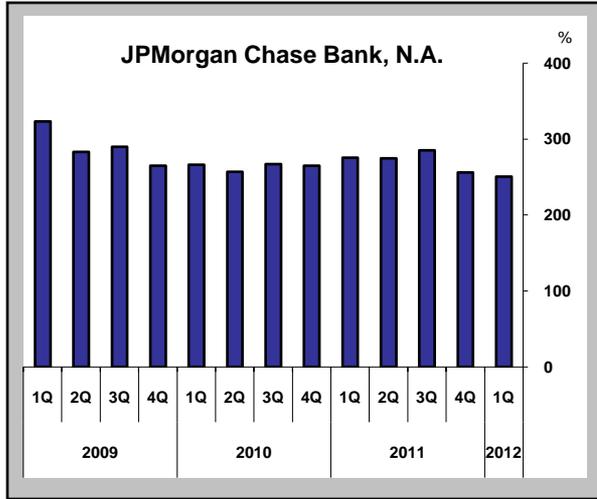
\$ in Billions	\$		\$		\$	
	Top 4 Bks	% Tot Derivs	All Other Bks	% Tot Derivs	All Bks	% Tot Derivs
<b>Futures &amp; Fwrds</b>	35,963	15.8	4,641	2.0	40,604	17.8
<b>Swaps</b>	130,724	57.3	7,947	3.5	138,671	60.8
<b>Options</b>	32,543	14.3	2,114	0.9	34,656	15.2
<b>Credit Derivatives</b>	13,327	5.8	724	0.3	14,052	6.2
<b>TOTAL*</b>	212,556	93.2	15,426	6.8	227,982	100.0

\*Notional amount of total: futures, exchange traded options, over the counter options, forwards, and swaps.

Data Source: Call Reports

# Percentage of Total Credit Exposure to Risk Based Capital

Top 4 Insured U.S. Commercial Banks and Savings Associations by Derivative Holdings  
1Q09 – 1Q12



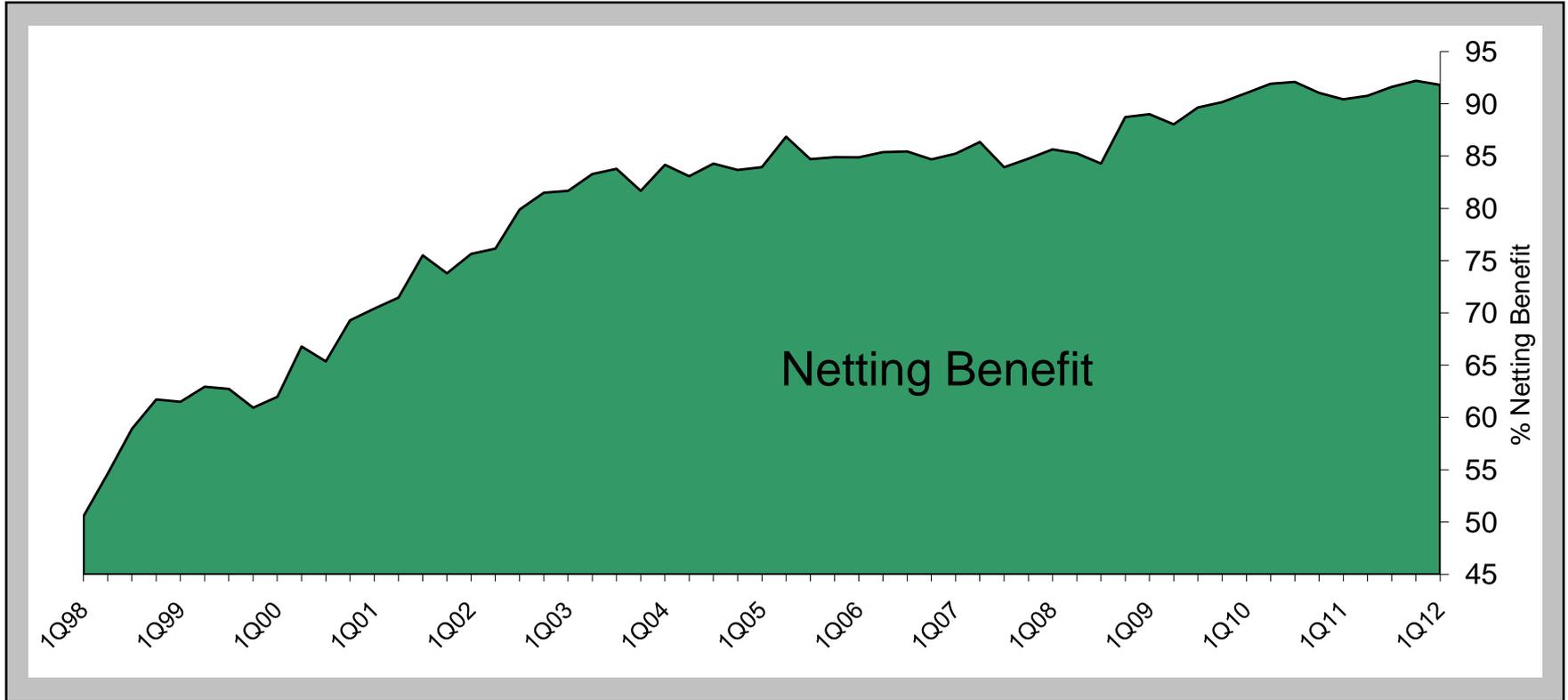
**Total Credit Exposure to Risk Based Capital (%)**

(%)	JPMC Bank	Bank of America	Citi-bank	Goldman Sachs Bank	Top 4 Banks*
1Q09	323	169	213	1048	286
2Q09	283	137	209	921	207
3Q09	290	135	203	858	311
4Q09	265	151	180	766	284
1Q10	266	161	180	672	267
2Q10	257	162	171	690	293
3Q10	267	172	194	638	289
4Q10	265	174	180	629	261
1Q11	275	182	183	781	318
2Q11	274	182	203	788	323
3Q11	285	187	195	801	334
4Q11	256	176	177	794	316
<b>1Q12</b>	<b>251</b>	<b>149</b>	<b>172</b>	<b>751</b>	<b>331</b>

\*Note: Quarters prior to 1Q12 reflect the capital exposure for the top 5 banks.

# Netting Benefit: Amount of Gross Credit Exposure Eliminated Through Bilateral Netting

Insured U.S. Commercial Banks and Savings Associations with Derivatives  
1Q98 – 1Q12



## Netting Benefit (%)\*

1Q98	2Q98	3Q98	4Q98	1Q99	2Q99	3Q99	4Q99	1Q00	2Q00	3Q00	4Q00	1Q01	2Q01	3Q01	4Q01
50.6	54.6	58.9	61.7	61.5	62.9	62.7	60.9	66.8	66.8	65.4	69.3	70.4	71.5	75.5	73.8
1Q02	2Q02	3Q02	4Q02	1Q03	2Q03	3Q03	4Q03	1Q04	2Q04	3Q04	4Q04	1Q05	2Q05	3Q05	4Q05
75.7	76.2	79.9	81.5	81.7	83.3	83.8	81.7	84.2	83.1	84.3	83.7	83.9	86.9	84.7	84.9
1Q06	2Q06	3Q06	4Q06	1Q07	2Q07	3Q07	4Q07	1Q08	2Q08	3Q08	4Q08	1Q09	2Q09	3Q09	4Q09
84.9	85.4	85.5	84.7	85.2	86.4	83.9	84.8	85.6	85.3	84.3	88.7	89.0	88.0	89.7	90.2
1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	<b>1Q12</b>							
91.0	91.9	92.1	91.1	90.4	90.8	91.6	92.2	<b>91.8</b>							

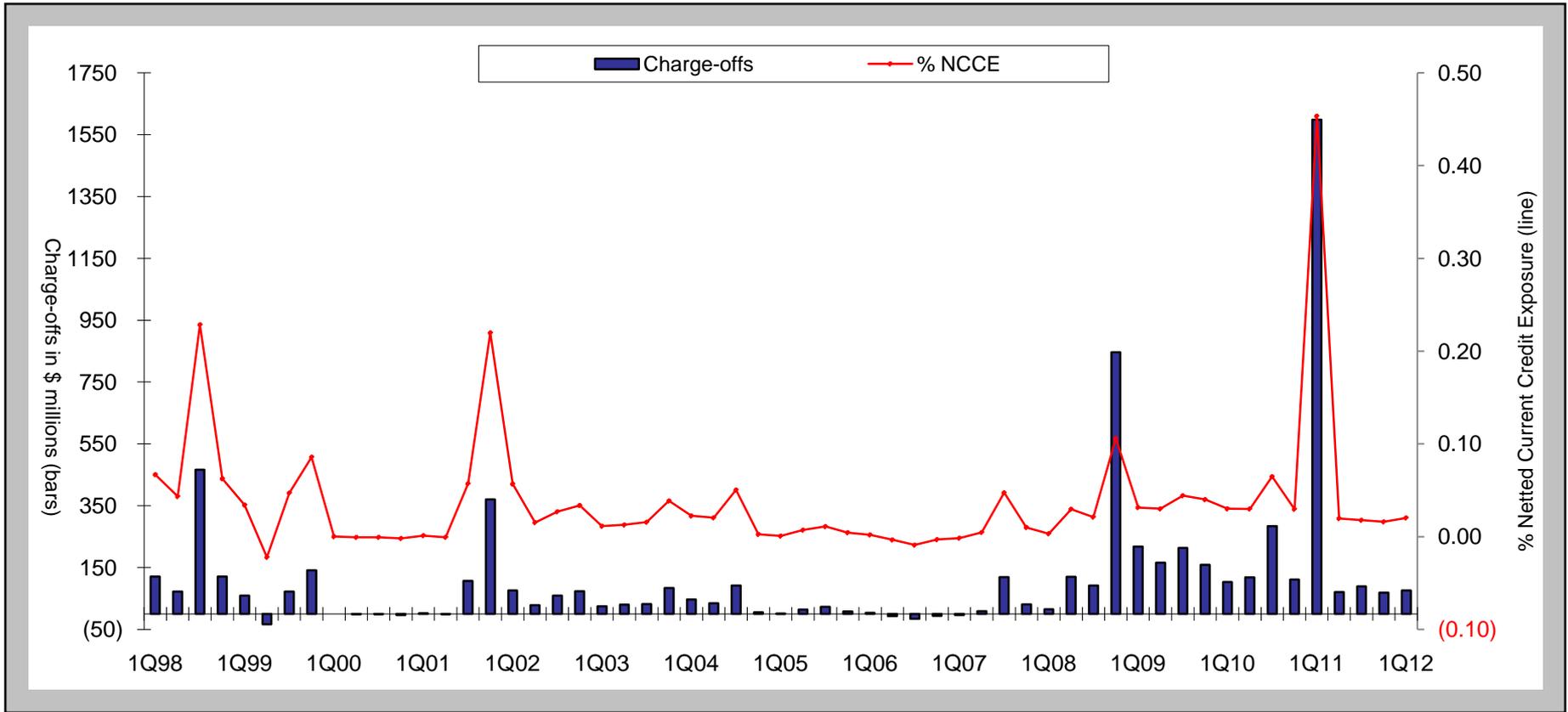
\*The netting benefit is defined as:  
\$ amount of netting benefits/gross positive fair value.

Data Source: Call Reports

# Quarterly (Charge-Offs)/Recoveries from Derivatives

## Insured U.S. Commercial Banks and Savings Associations with Derivatives

### 1Q98 – 1Q12



\$ in Millions

1Q98	2Q98	3Q98	4Q98	1Q99	2Q99	3Q99	4Q99	1Q00	2Q00	3Q00	4Q00	1Q01	2Q01	3Q01	4Q01
121.3	72.9	466.4	121.2	58.9	(33.1)	72.1	141.0	0.0	(1.0)	(1.0)	(3.0)	2.0	(1.0)	107.3	370.0
1Q02	2Q02	3Q02	4Q02	1Q03	2Q03	3Q03	4Q03	1Q04	2Q04	3Q04	4Q04	1Q05	2Q05	3Q05	4Q05
75.8	28.2	59.0	73.7	25.3	29.9	32.3	83.7	46.7	34.9	92.2	5.4	1.3	14.2	23.0	8.3
1Q06	2Q06	3Q06	4Q06	1Q07	2Q07	3Q07	4Q07	1Q08	2Q08	3Q08	4Q08	1Q09	2Q09	3Q09	4Q09
3.6	(7.0)	(16.0)	(5.8)	(2.9)	(9.2)	119.4	30.7	14.8	120.0	91.9	846.7	218.1	166.3	213.9	159.3
1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12							
103.5	118.6	284.5	111.0	1598.0	71.0	89.0	68.8	<b>76.3</b>							

Note:

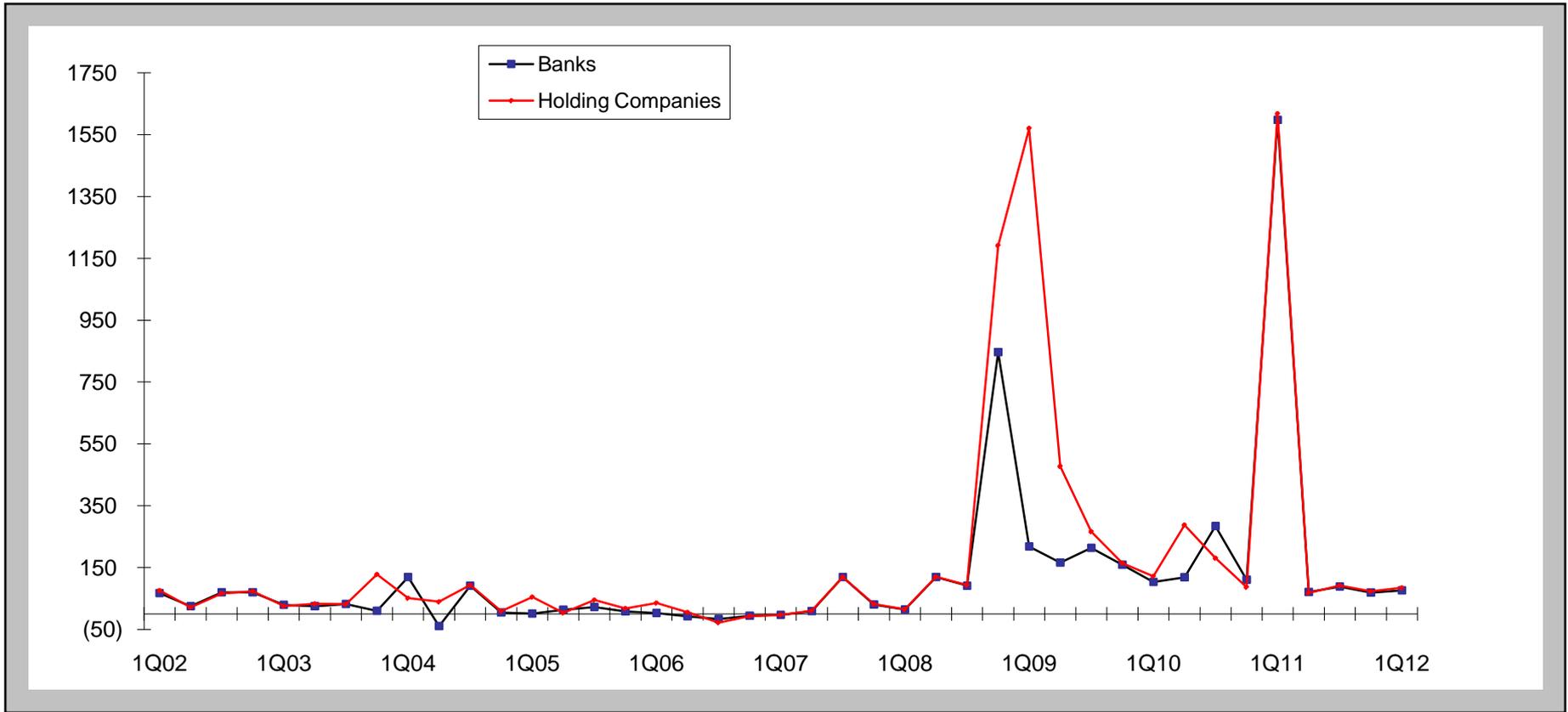
The figures are for each quarter alone, not year-to-date.

Data Source: Call Reports.

# Quarterly (Charge-Offs)/Recoveries from Derivatives

## Insured U.S. Commercial Banks and Savings Associations Compared with Holding Companies

### 1Q02 – 1Q12



\$ in Millions

	1Q02	2Q02	3Q02	4Q02	1Q03	2Q03	3Q03	4Q03	1Q04	2Q04	3Q04	4Q04
Banks	68	25	70	70	30	26	32	10	120	(39)	92	5
Holding Companies	76	21	66	74	25	33	31	128	51	39	93	9
	1Q05	2Q05	3Q05	4Q05	1Q06	2Q06	3Q06	4Q06	1Q07	2Q07	3Q07	4Q07
Banks	1	14	23	8	4	(7)	(16)	(6)	(3)	9	119	31
Holding Companies	55	4	45	18	35	5	(28)	(7)	(3)	10	119	32
	1Q08	2Q08	3Q08	4Q08	1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10
Banks	15	120	92	847	218	166	214	159	104	119	284	111
Holding Companies	15	120	93	1191	1570	477	266	164	122	288	181	87
	1Q11	2Q11	3Q11	4Q11	1Q12							
Banks	1598	71	89	69	76							
Holding Companies	1617	68	92	73	85							

Note:

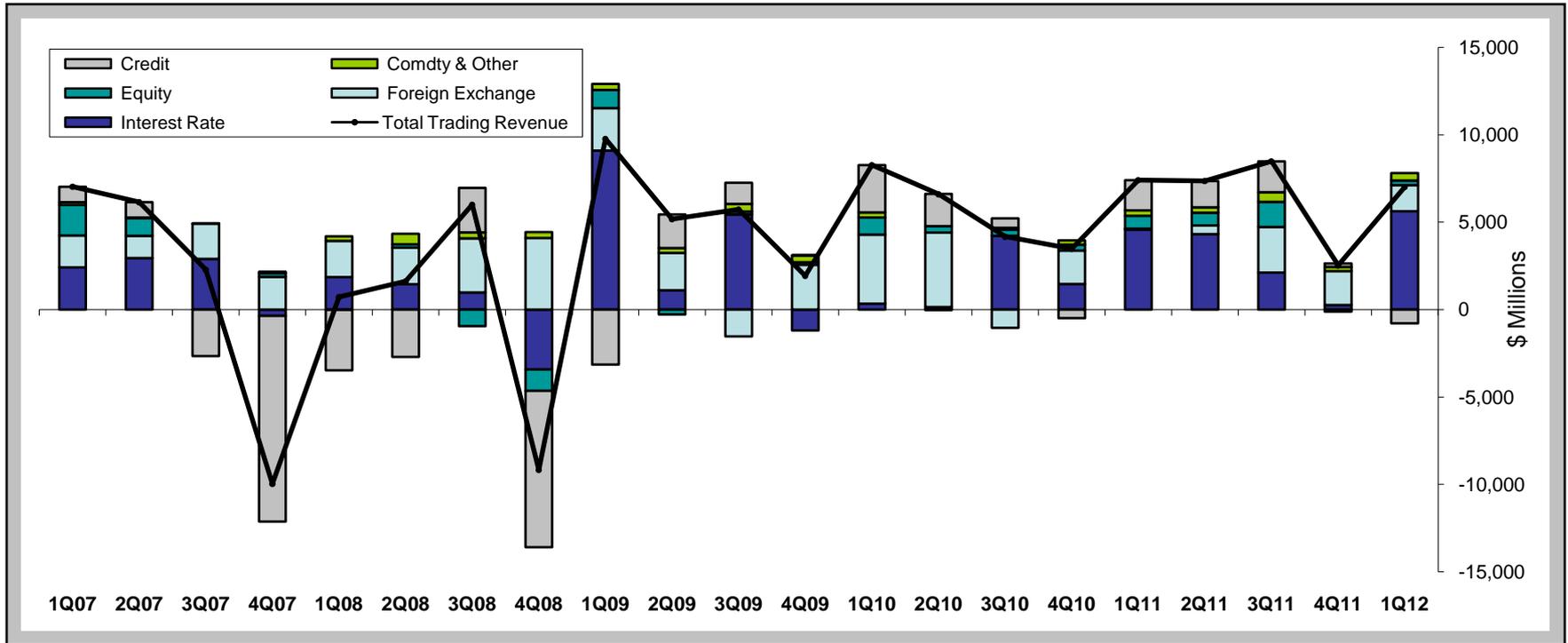
The figures are for each quarter alone, not year-to-date.

Data Source: Call Reports and Y-9

# Quarterly Trading Revenues Cash & Derivative Positions

## Insured U.S. Commercial Banks and Savings Associations

### 1Q07 – 1Q12



\$ in Millions	1Q07	2Q07	3Q07	4Q07	1Q08	2Q08	3Q08	4Q08	1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12
<b>Interest Rate</b>	2,413	2,950	2,896	(357)	1,853	1,449	984	(3,420)	9,099	1,108	5,451	(1,188)	333	145	4,215	1,469	4,587	4,320	2,125	253	<b>5,627</b>
<b>Foreign Exchange</b>	1,831	1,265	2,005	1,873	2,083	2,096	3,090	4,093	2,437	2,132	(1,535)	2,560	3,962	4,261	(1,047)	1,905	35	491	2,595	1,940	<b>1,505</b>
<b>Equity</b>	1,735	1,024	27	205	(15)	183	(954)	(1,229)	1,042	(279)	154	144	965	378	371	338	743	736	1,442	(119)	<b>260</b>
<b>Comdty &amp; Other</b>	175	25	7	88	261	601	342	338	344	281	446	389	297	(25)	94	252	315	304	558	258	<b>412</b>
<b>Credit</b>	878	883	(2,655)	(11,780)	(3,461)	(2,715)	2,544	(8,958)	(3,154)	1,930	1,204	27	2,707	1,840	543	(485)	1,729	1,507	1,764	193	<b>(784)</b>
<b>Total Trading Revenue*</b>	<b>7,032</b>	<b>6,146</b>	<b>2,281</b>	<b>(9,970)</b>	<b>721</b>	<b>1,614</b>	<b>6,005</b>	<b>(9,176)</b>	<b>9,768</b>	<b>5,172</b>	<b>5,720</b>	<b>1,932</b>	<b>8,263</b>	<b>6,600</b>	<b>4,176</b>	<b>3,479</b>	<b>7,409</b>	<b>7,357</b>	<b>8,484</b>	<b>2,525</b>	<b>7,019</b>

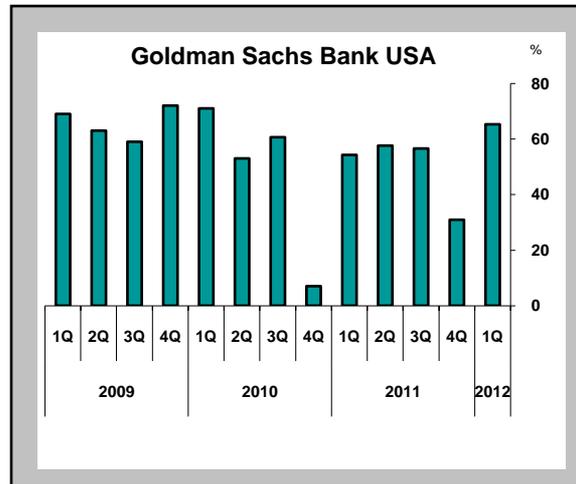
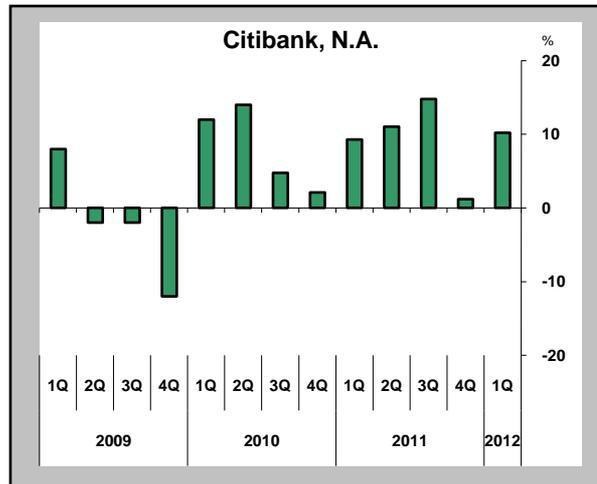
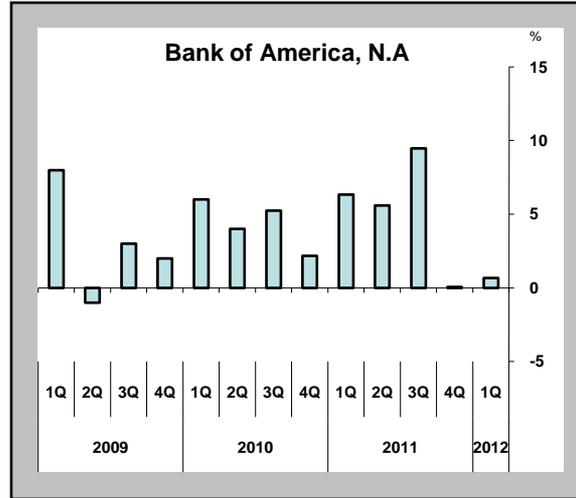
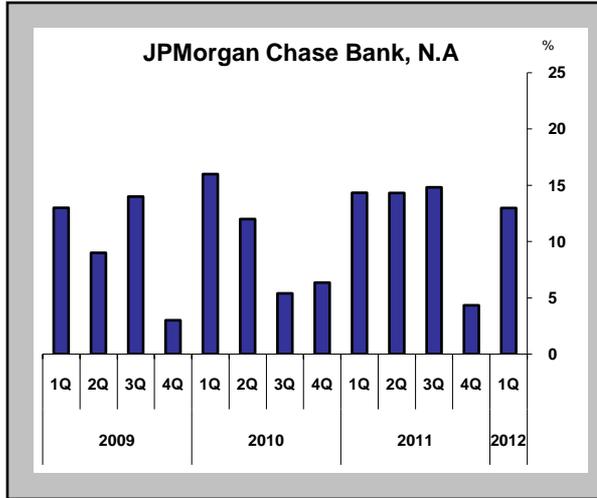
\*The trading revenue figures above are for cash and derivative activities. Revenue figures are for each quarter alone, not year-to-date.

Note: Numbers may not add due to rounding.

Data Source: Call Reports

# Quarterly Trading Revenue as a Percentage of Gross Revenue Cash & Derivative Positions

Top 4 Insured U.S. Commercial Banks and Savings Associations by Derivative Holdings  
1Q09 – 1Q12



## Trading Revenue to Gross Revenue (%)\*

(%)	JPMC Bank	Bank of America	Citi-bank	Goldman Sachs Bank	Top 4 Banks*	All Banks
1Q09	13	8	8	69	12	6
2Q09	9	-1	-2	63	4	3
3Q09	14	3	-2	59	5	4
4Q09	3	2	-12	72	1	1
1Q10	16	6	12	71	10	5
2Q10	12	4	14	53	11	4
3Q10	5	5	5	61	6	3
4Q10	6	2	2	7	4	2
1Q11	14	6	9	54	11	5
2Q11	14	6	11	58	12	5
3Q11	15	9	15	57	14	6
4Q11	4	0	1	31	3	2
<b>1Q12</b>	<b>13</b>	<b>1</b>	<b>10</b>	<b>65</b>	<b>10</b>	<b>4</b>

\*Note: Quarters prior to 1Q12 reflect the top 5 Banks.

\*The trading revenue figures above are for cash and derivative activities. Revenue figures are quarterly, not year-to-date numbers.

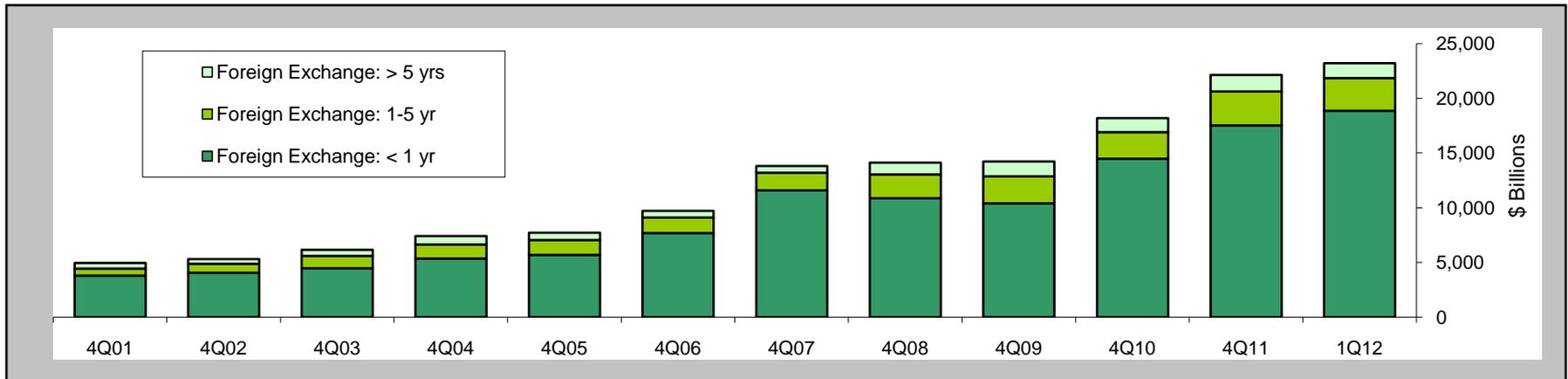
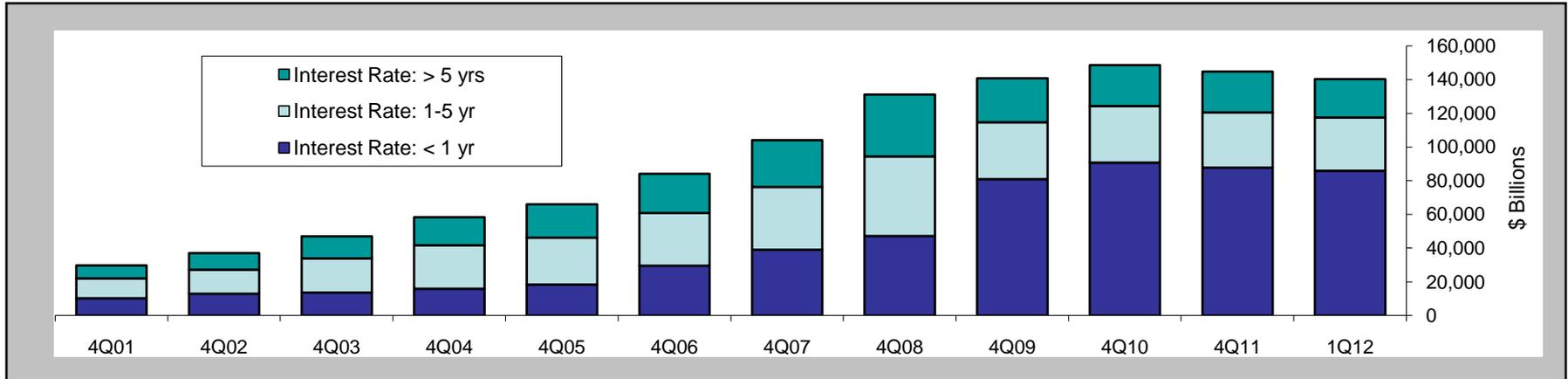
Note: Gross Revenue equals interest income plus non-interest income.

Data Source: Call Reports

# Notional Amounts of Interest Rate and Foreign Exchange Contracts by Maturity

## Insured U.S. Commercial Banks and Savings Associations

### Year-ends 2001 – 2011, Quarterly 2012



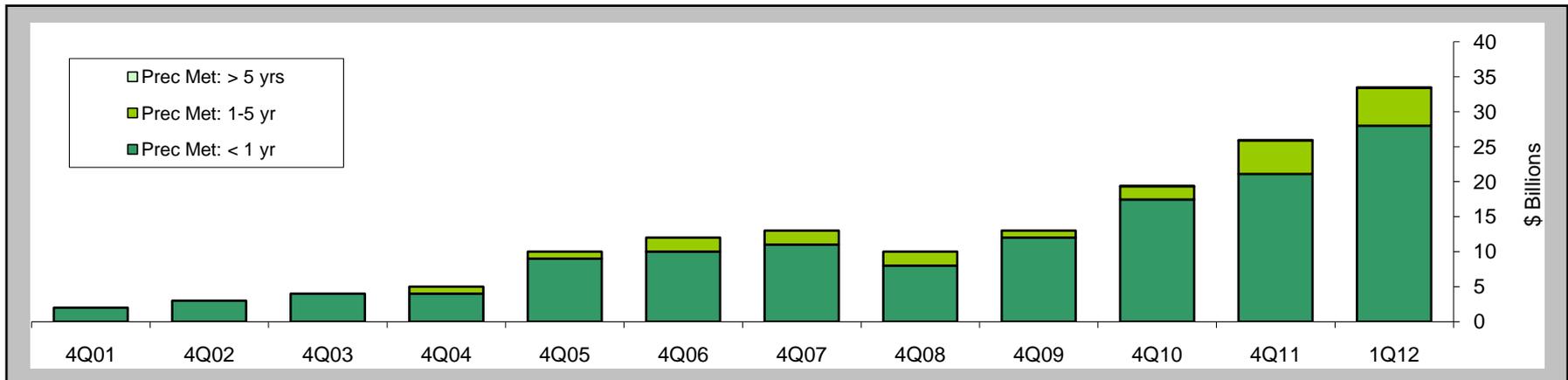
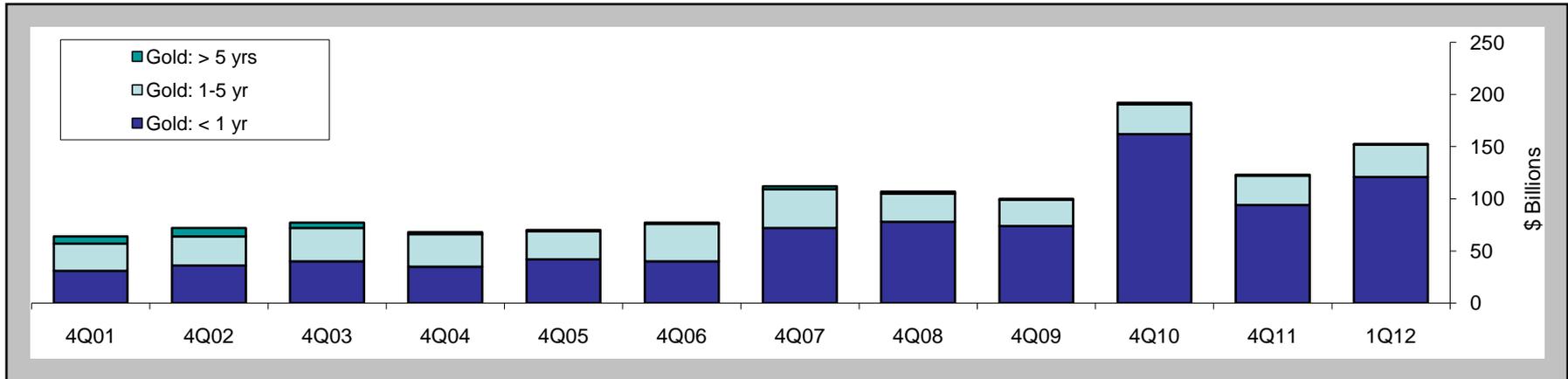
\$ in Billions	4Q01	4Q02	4Q03	4Q04	4Q05	4Q06	4Q07	4Q08	4Q09	4Q10	4Q11	1Q12
<b>IR: &lt; 1 yr</b>	10,357	12,972	13,573	15,914	18,482	29,546	39,083	47,147	80,976	90,838	87,805	<b>85,882</b>
<b>IR: 1-5 yr</b>	11,809	14,327	20,400	25,890	27,677	31,378	37,215	47,289	33,632	33,491	32,745	<b>31,691</b>
<b>IR: &gt; 5 yrs</b>	7,523	9,733	13,114	16,489	19,824	23,270	27,720	36,780	26,144	24,303	24,163	<b>22,691</b>
<b>FX: &lt; 1 yr</b>	3,785	4,040	4,470	5,348	5,681	7,690	11,592	10,868	10,416	14,467	17,538	<b>18,849</b>
<b>FX: 1-5 yr</b>	661	829	1,114	1,286	1,354	1,416	1,605	2,171	2,449	2,433	3,088	<b>3,018</b>
<b>FX: &gt; 5 yrs</b>	492	431	577	760	687	593	619	1,086	1,344	1,289	1,502	<b>1,350</b>

Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.

# Notional Amounts of Gold and Precious Metals Contracts by Maturity

## Insured U.S. Commercial Banks and Savings Associations

### Year-ends 2001 – 2011, Quarterly 2012



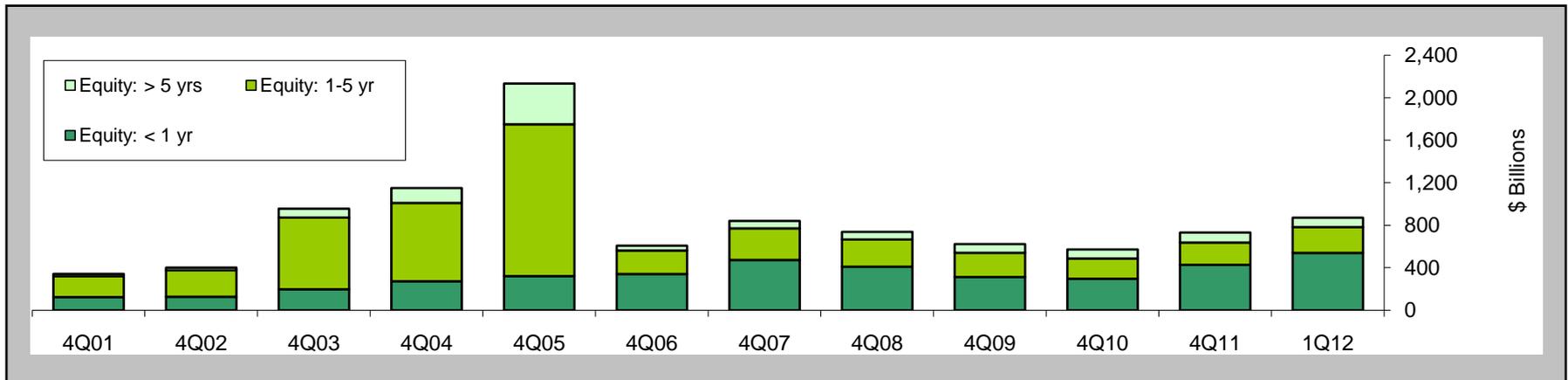
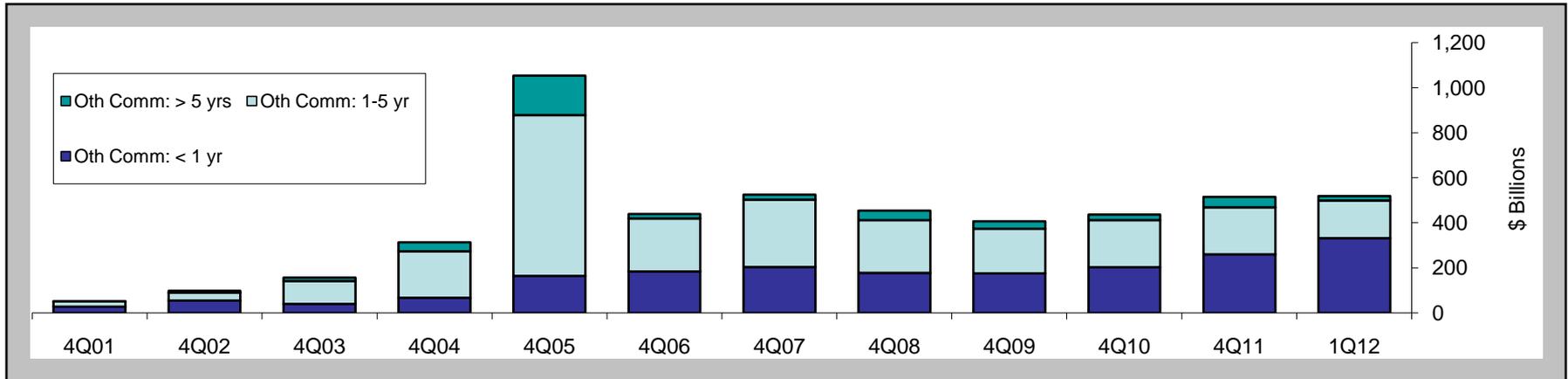
\$ in Billions	4Q01	4Q02	4Q03	4Q04	4Q05	4Q06	4Q07	4Q08	4Q09	4Q10	4Q11	1Q12
<b>Gold: &lt; 1 yr</b>	31	36	40	35	42	40	72	78	74	162	94	<b>121</b>
<b>Gold: 1-5 yr</b>	26	28	32	31	27	36	37	27	25	29	28	<b>31</b>
<b>Gold: &gt; 5 yrs</b>	7	8	5	2	1	1	3	2	1	1	1	<b>1</b>
<b>Prec Met: &lt; 1 yr</b>	2	3	4	4	9	10	11	8	12	17	21	<b>28</b>
<b>Prec Met: 1-5 yr</b>	0	0	0	1	1	2	2	2	1	2	5	<b>5</b>
<b>Prec Met: &gt; 5 yrs</b>	0	0	0	0	0	0	0	0	0	0	0	<b>0</b>

Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.

Data Source: Call Reports

# Notional Amounts of Commodity and Equity Contracts by Maturity

## Insured U.S. Commercial Banks and Savings Associations Year-ends 2001 – 2011, Quarterly 2012



\$ in Billions	4Q01	4Q02	4Q03	4Q04	4Q05	4Q06	4Q07	4Q08	4Q09	4Q10	4Q11	1Q12
<b>Oth Comm: &lt; 1 yr</b>	28	55	41	68	165	185	205	179	176	203	261	<b>333</b>
<b>Oth Comm: 1-5 yr</b>	23	35	102	206	714	235	298	233	198	209	209	<b>167</b>
<b>Oth Comm: &gt; 5 yrs</b>	2	9	14	40	175	20	23	43	33	25	46	<b>20</b>
<b>Equity: &lt; 1 yr</b>	124	127	197	273	321	341	473	409	312	296	427	<b>539</b>
<b>Equity: 1-5 yr</b>	195	249	674	736	1,428	221	297	256	228	191	210	<b>242</b>
<b>Equity: &gt; 5 yrs</b>	23	25	84	140	383	45	70	72	82	85	94	<b>89</b>

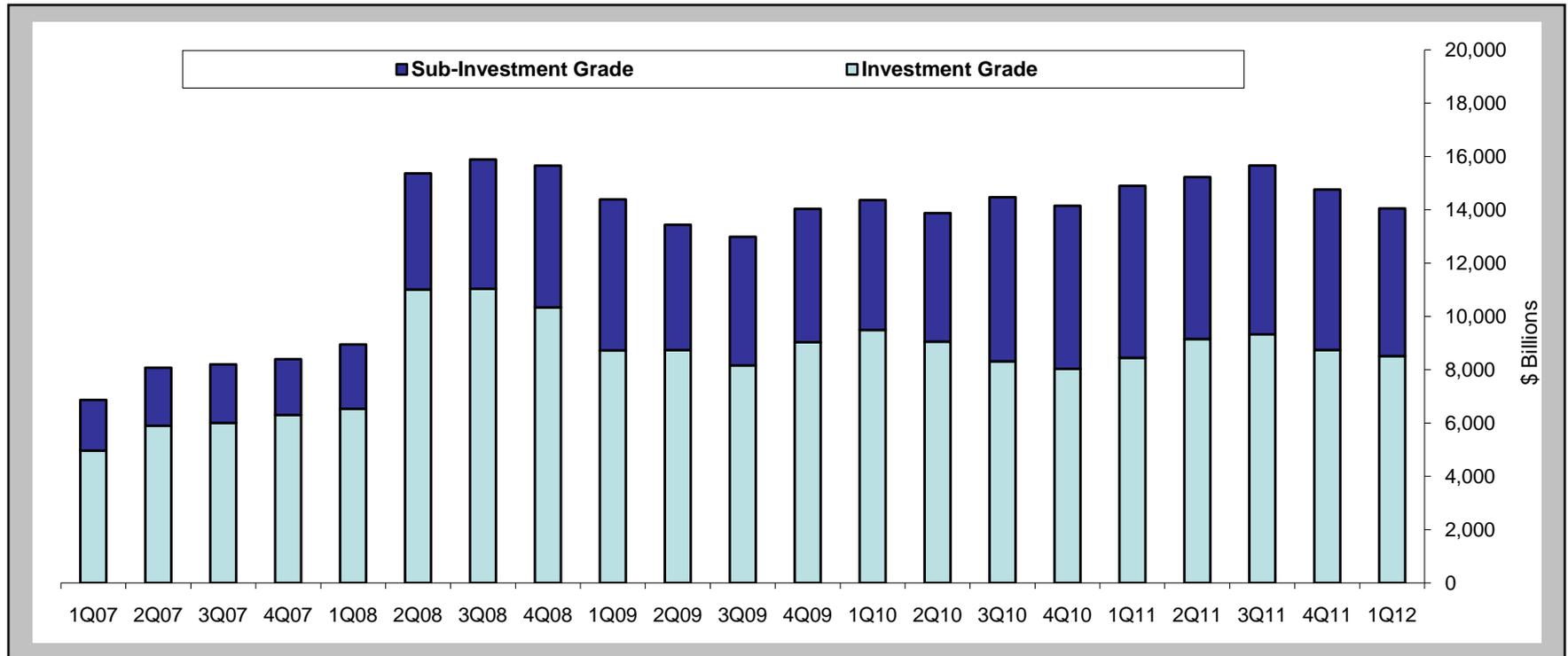
Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.

Data Source: Call Reports

# Notional Amounts of Credit Derivative Contracts by Credit Quality and Maturity

## Insured U.S. Commercial Banks and Savings Associations

### 1Q07 – 1Q12



\$ Billions	1Q07	2Q07	3Q07	4Q07	1Q08	2Q08	3Q08	4Q08	1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10	1Q11	2Q11	3Q11	4Q11	1Q12
<b>Investment Grade: &lt; 1 yr</b>	281	328	307	304	319	685	839	741	765	997	869	1,079	985	966	870	856	905	1,002	1,119	1,559	<b>1,607</b>
<b>Investment Grade: 1-5 yr</b>	2,768	3,359	3,545	3,860	4,088	7,130	6,852	6,698	5,527	5,520	5,202	5,888	6,229	6,320	5,800	5,731	5,927	6,564	6,507	5,963	<b>5,519</b>
<b>Investment Grade: &gt; 5 yrs</b>	1,917	2,210	2,154	2,138	2,127	3,197	3,345	2,900	2,432	2,221	2,087	2,063	2,275	1,767	1,645	1,446	1,614	1,586	1,699	1,220	<b>1,386</b>
<b>Subtotal Investment Grade</b>	4,966	5,898	6,006	6,302	6,534	11,012	11,036	10,339	8,724	8,739	8,158	9,030	9,489	9,053	8,315	8,033	8,447	9,151	9,326	8,742	<b>8,513</b>
<b>Sub-Investment Grade: &lt; 1 yr</b>	164	144	158	149	134	343	400	457	513	615	575	635	574	587	753	791	833	939	1,024	1,335	<b>1,290</b>
<b>Sub-Investment Grade: 1-5 yr</b>	1,201	1,405	1,416	1,400	1,608	2,849	3,058	3,472	3,660	3,098	3,167	3,248	3,201	3,267	4,004	4,073	4,217	4,056	4,131	3,797	<b>3,413</b>
<b>Sub-Investment Grade: &gt; 5 yrs</b>	537	629	621	543	672	1,160	1,394	1,388	1,492	989	1,086	1,121	1,101	968	1,400	1,254	1,401	1,081	1,180	885	<b>835</b>
<b>Subtotal Sub-Investment Grade</b>	1,901	2,178	2,195	2,092	2,414	4,353	4,852	5,318	5,665	4,701	4,827	5,005	4,876	4,823	6,157	6,118	6,452	6,076	6,336	6,017	<b>5,538</b>
<b>Overall Total</b>	6,867	8,075	8,201	8,394	8,948	15,365	15,888	15,656	14,389	13,440	12,986	14,036	14,364	13,876	14,472	14,150	14,899	15,227	15,661	14,759	<b>14,051</b>

Note: Figures above exclude foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, basis swaps, and any other contracts not subject to risk-based capital requirements.

Notional amounts as reported in Schedules RC-L and RC-R of Call reports. As of March 31, 2006, the Call Report began to include maturity breakouts for credit derivatives.

Data Source: Call Reports

TABLE 1

**NOTIONAL AMOUNT OF DERIVATIVE CONTRACTS  
TOP 25 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TOTAL FUTURES (EXCH TR)	TOTAL OPTIONS (EXCH TR)	TOTAL FORWARDS (OTC)	TOTAL SWAPS (OTC)	TOTAL OPTIONS (OTC)	TOTAL CREDIT DERIVATIVES (OTC)	SPOT FX
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$1,060,040	\$1,827,775	\$11,961,454	\$41,144,140	\$9,319,495	\$6,165,856	\$757,993
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	507,786	822,540	6,807,970	31,789,558	8,896,057	3,070,433	1,076,482
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	1,927,382	227,302	9,397,464	28,199,752	3,047,474	3,562,320	362,281
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	781,471	921,796	3,519,086	29,590,057	7,480,149	528,797	4,549
5	HSBC BANK USA NATIONAL ASSN	VA	206,809	4,466,896	91,991	53,997	884,122	2,659,879	177,886	599,022	83,373
6	WELLS FARGO BANK NA	SD	1,181,817	3,778,395	211,442	50,229	931,115	2,076,755	434,044	74,810	17,124
7	MORGAN STANLEY BANK NA	UT	67,651	2,566,841	7,122	0	440,668	1,327,237	768,647	23,167	99,401
8	BANK OF NEW YORK MELLON	NY	229,715	1,372,898	18,063	28,925	384,855	697,486	243,299	270	58,257
9	STATE STREET BANK&TRUST CO	MA	183,994	957,264	52,157	0	796,707	42,796	65,509	95	38,744
10	PNC BANK NATIONAL ASSN	DE	287,766	391,934	61,575	32,400	23,519	236,009	34,760	3,671	2,105
11	SUNTRUST BANK	GA	172,289	269,989	25,561	12,746	18,666	162,293	46,433	4,289	216
12	NORTHERN TRUST CO	IL	91,341	242,644	0	0	232,731	9,748	104	61	18,207
13	REGIONS BANK	AL	124,713	150,052	4,936	0	65,919	75,643	2,843	711	85
14	STANDARD CHARTERED BANK PLC	NY	40,767	118,477	0	0	111,586	2,736	4,155	0	4,964
15	U S BANK NATIONAL ASSN	OH	330,227	113,174	990	5,720	46,588	47,194	9,899	2,783	1,104
16	KEYBANK NATIONAL ASSN	OH	84,839	84,346	3,283	0	18,224	54,169	5,286	3,382	1,086
17	FIFTH THIRD BANK	OH	114,402	71,188	177	0	16,072	31,820	21,937	1,182	558
18	TD BANK NATIONAL ASSN	DE	193,074	69,702	0	0	8,544	57,801	1,474	1,882	5
19	BRANCH BANKING&TRUST CO	NC	169,026	69,092	886	0	15,649	37,229	15,328	0	42
20	UNION BANK NATIONAL ASSN	CA	91,576	56,694	4,539	0	2,765	34,951	14,439	0	645
21	RBS CITIZENS NATIONAL ASSN	RI	106,242	37,585	0	0	7,362	27,538	1,818	868	60
22	BOKF NATIONAL ASSN	OK	25,734	30,339	583	1,004	22,982	3,290	2,480	0	28
23	CAPITAL ONE NATIONAL ASSN	VA	133,000	28,935	105	0	931	27,206	40	653	11
24	BMO HARRIS BANK NA	IL	94,826	27,307	0	0	899	23,729	2,664	16	184
25	HUNTINGTON NATIONAL BANK	OH	55,585	26,509	30	0	1,494	22,160	2,335	490	1
TOP 25 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$8,691,082	\$227,486,417	\$4,760,120	\$3,984,435	\$35,717,375	\$138,381,175	\$30,598,555	\$14,044,757	\$2,527,506
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			3,503,866	496,050	10,151	7,154	116,024	289,722	66,197	6,801	3,973
TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	4,770,271	3,991,590	35,833,399	138,670,897	30,664,752	14,051,558	2,531,478

Note: Credit derivatives have been included in the sum of total derivatives. Credit derivatives have been included as an "over the counter" category, although the Call Report does not differentiate by market currently.

Note: Before the first quarter of 1995 total derivatives included spot foreign exchange. Beginning in the first quarter, 1995, spot foreign exchange was reported separately.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-L

TABLE 2

**NOTIONAL AMOUNT OF DERIVATIVE CONTRACTS  
TOP 25 HOLDING COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	HOLDING COMPANY	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	FUTURES (EXCH TR)	OPTIONS (EXCH TR)	FORWARDS (OTC)	SWAPS (OTC)	OPTIONS (OTC)	CREDIT DERIVATIVES (OTC)	SPOT FX
1	JPMORGAN CHASE & CO.	NY	\$2,320,330	\$72,576,798	\$1,560,835	\$1,938,833	\$12,573,330	\$41,072,389	\$9,267,513	\$6,163,898	\$757,453
2	BANK OF AMERICA CORPORATION	NC	2,180,056	67,559,759	2,894,028	935,354	13,191,298	41,464,610	5,580,161	3,494,307	302,308
3	CITIGROUP INC.	NY	1,944,423	50,650,322	354,135	2,609,519	7,380,305	28,512,541	8,821,336	2,972,486	1,008,509
4	MORGAN STANLEY	NY	781,030	50,339,859	160,511	1,022,914	6,146,349	32,037,655	6,215,149	4,757,281	283,641
5	GOLDMAN SACHS GROUP, INC., THE	NY	951,217	48,254,372	1,985,976	2,305,223	5,340,599	25,194,704	9,365,488	4,062,382	187,710
6	HSBC NORTH AMERICA HOLDINGS INC.	NY	340,342	4,431,531	94,821	54,115	886,222	2,619,686	177,883	598,804	83,369
7	WELLS FARGO & COMPANY	CA	1,333,799	3,745,153	221,809	54,975	959,092	2,012,481	426,614	70,182	17,124
8	BANK OF NEW YORK MELLON CORPORATION, THE	NY	300,197	1,355,462	18,516	29,799	384,504	679,119	243,254	270	58,288
9	STATE STREET CORPORATION	MA	187,610	959,031	52,161	0	796,720	44,546	65,509	95	38,744
10	ALLY FINANCIAL INC.	MI	186,350	527,324	56,964	1,354	57,194	372,385	39,427	0	0
11	PNC FINANCIAL SERVICES GROUP, INC., THE	PA	296,119	401,647	62,225	32,400	23,630	244,961	34,760	3,671	2,105
12	METLIFE, INC.	NY	819,604	289,962	22,106	0	32,436	114,056	108,765	12,599	0
13	SUNTRUST BANKS, INC.	GA	178,256	271,499	25,710	12,746	18,666	161,293	48,794	4,289	216
14	NORTHERN TRUST CORPORATION	IL	91,604	243,244	0	0	232,731	10,348	104	61	18,207
15	REGIONS FINANCIAL CORPORATION	AL	128,282	157,321	4,936	0	65,919	82,548	3,207	711	85
16	AMERIPRISE FINANCIAL, INC.	MN	136,758	120,995	1,007	3,053	103	61,657	55,025	150	0
17	U.S. BANCORP	MN	340,762	113,887	990	5,720	46,588	48,200	9,898	2,491	1,104
18	TD BANK US HOLDING COMPANY	ME	204,310	95,409	0	0	17,882	74,171	1,474	1,882	5
19	KEYCORP	OH	87,570	88,085	3,283	0	18,224	56,879	6,316	3,382	1,086
20	FIFTH THIRD BANCORP	OH	116,747	75,014	177	0	16,072	35,646	21,937	1,182	558
21	BB&T CORPORATION	NC	174,752	69,092	886	0	15,649	37,229	15,328	0	42
22	UNIONBANCAL CORPORATION	CA	92,326	56,694	4,539	0	2,765	34,951	14,439	0	645
23	CAPITAL ONE FINANCIAL CORPORATION	VA	294,574	50,227	313	4	6,096	43,121	40	653	11
24	RBS CITIZENS FINANCIAL GROUP, INC.	RI	129,964	45,154	0	0	7,362	34,625	2,140	1,028	60
25	AMERICAN EXPRESS COMPANY	NY	150,583	43,752	0	0	24,303	19,433	16	0	2,760
TOP 25 HOLDING COMPANIES WITH DERIVATIVES			\$13,767,565	\$302,521,595	\$7,525,929	\$9,006,011	\$48,244,041	\$175,069,233	\$40,524,578	\$22,151,803	\$2,764,030

Note: Currently, the Y-9 report does not differentiate credit derivatives by contract type. Credit derivatives have been included in the sum of total derivatives.

Note: Prior to the first quarter of 2005, total derivatives included spot foreign exchange. Beginning in that quarter, spot foreign exchange has been reported separately.

Note: Numbers may not add due to rounding.

Data source: Consolidated Financial Statements for Bank Holding Companies, FR Y- 9, schedule HC-L

TABLE 3

**DISTRIBUTION OF DERIVATIVE CONTRACTS**  
**TOP 25 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES**  
**MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	PERCENT EXCH TRADED CONTRACTS	PERCENT OTC CONTRACTS	PERCENT INT RATE CONTRACTS	PERCENT FOREIGN EXCH CONTRACTS	PERCENT OTHER CONTRACTS	PERCENT CREDIT DERIVATIVES
					(%)	(%)	(%)	(%)	(%)	(%)
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	4.0	96.0	76.2	12.0	3.2	8.6
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	2.6	97.4	81.1	12.0	1.0	5.9
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	4.6	95.4	81.6	10.2	0.5	7.7
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	4.0	96.0	94.2	4.6	0.0	1.2
5	HSBC BANK USA NATIONAL ASSN	VA	206,809	4,466,896	3.3	96.7	64.9	20.0	1.7	13.4
6	WELLS FARGO BANK NA	SD	1,181,817	3,778,395	6.9	93.1	88.9	5.0	4.2	2.0
7	MORGAN STANLEY BANK NA	UT	67,651	2,566,841	0.3	99.7	0.3	98.8	0.0	0.9
8	BANK OF NEW YORK MELLON	NY	229,715	1,372,898	3.4	96.6	72.9	26.5	0.6	0.0
9	STATE STREET BANK&TRUST CO	MA	183,994	957,264	5.4	94.6	10.4	85.5	4.0	0.0
10	PNC BANK NATIONAL ASSN	DE	287,766	391,934	24.0	76.0	96.0	3.0	0.0	0.9
11	SUNTRUST BANK	GA	172,289	269,989	14.2	85.8	87.2	1.9	9.2	1.6
12	NORTHERN TRUST CO	IL	91,341	242,644	0.0	100.0	3.3	96.7	0.0	0.0
13	REGIONS BANK	AL	124,713	150,052	3.3	96.7	98.9	0.4	0.2	0.5
14	STANDARD CHARTERED BANK PLC	NY	40,767	118,477	0.0	100.0	1.9	97.8	0.3	0.0
15	U S BANK NATIONAL ASSN	OH	330,227	113,174	5.9	94.1	82.5	15.0	0.1	2.5
16	KEYBANK NATIONAL ASSN	OH	84,839	84,346	3.9	96.1	87.8	7.5	0.7	4.0
17	FIFTH THIRD BANK	OH	114,402	71,188	0.2	99.8	70.5	23.8	4.0	1.7
18	TD BANK NATIONAL ASSN	DE	193,074	69,702	0.0	100.0	84.3	13.0	0.0	2.7
19	BRANCH BANKING&TRUST CO	NC	169,026	69,092	1.3	98.7	99.1	0.9	0.0	0.0
20	UNION BANK NATIONAL ASSN	CA	91,576	56,694	8.0	92.0	76.8	7.0	16.2	0.0
21	RBS CITIZENS NATIONAL ASSN	RI	106,242	37,585	0.0	100.0	80.6	17.1	0.0	2.3
22	BOKF NATIONAL ASSN	OK	25,734	30,339	5.2	94.8	84.2	1.3	14.6	0.0
23	CAPITAL ONE NATIONAL ASSN	VA	133,000	28,935	0.4	99.6	97.4	0.4	0.0	2.3
24	BMO HARRIS BANK NA	IL	94,826	27,307	0.0	100.0	90.5	2.5	7.0	0.1
25	HUNTINGTON NATIONAL BANK	OH	55,585	26,509	0.1	99.9	96.1	1.8	0.3	1.8
TOP 25 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$8,691,082	\$227,486,417	\$8,744,555	\$218,741,862	\$183,343,025	\$26,748,451	\$3,350,184	\$14,044,757
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			3,503,866	496,050	17,305	478,745	399,331	67,347	22,570	6,801
TOTAL FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	8,761,860	219,220,607	183,742,356	26,815,798	3,372,755	14,051,558
				(%)	(%)	(%)	(%)	(%)	(%)	(%)
TOP 25 COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES				99.8	3.8	95.9	80.4	11.7	1.5	6.2
OTHER COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES				0.2	0.0	0.2	0.2	0.0	0.0	0.0
TOTAL FOR COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES				100.0	3.8	96.2	80.6	11.8	1.5	6.2

Note: Currently, the Call Report does not differentiate credit derivatives by over the counter or exchange traded. Credit derivatives have been included in the "over the counter" category as well as in the sum of total derivatives here.

Note: "Foreign Exchange" does not include spot fx.

Note: "Other" is defined as the sum of commodity and equity contracts.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-L

TABLE 4

**CREDIT EQUIVALENT EXPOSURES**  
**TOP 25 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES**  
**MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TOTAL RISK-BASED CAPITAL	BILATERALLY NETTED CURRENT CREDIT EXPOSURE		TOTAL CREDIT EXPOSURE FROM ALL CONTRACTS		(%) TOTAL CREDIT EXPOSURE TO CAPITAL
						POTENTIAL FUTURE EXPOSURE				
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$138,634	\$157,049	\$190,456	\$347,505	251	
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	137,536	62,474	174,323	236,797	172	
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	152,032	58,838	167,149	225,988	149	
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	19,781	26,654	121,932	148,586	751	
5	HSBC BANK USA NATIONAL ASSN	VA	206,809	4,466,896	22,330	6,823	31,814	38,637	173	
6	WELLS FARGO BANK NA	SD	1,181,817	3,778,395	117,804	24,912	22,287	47,199	40	
7	MORGAN STANLEY BANK NA	UT	67,651	2,566,841	10,498	551	14,631	15,182	145	
8	BANK OF NEW YORK MELLON	NY	229,715	1,372,898	15,737	5,926	5,368	11,294	72	
9	STATE STREET BANK&TRUST CO	MA	183,994	957,264	13,664	4,996	7,237	12,233	90	
10	PNC BANK NATIONAL ASSN	DE	287,766	391,934	34,812	2,729	771	3,500	10	
11	SUNTRUST BANK	GA	172,289	269,989	17,435	2,682	1,492	4,174	24	
12	NORTHERN TRUST CO	IL	91,341	242,644	7,786	3,041	2,526	5,566	71	
13	REGIONS BANK	AL	124,713	150,052	14,798	907	260	1,167	8	
14	STANDARD CHARTERED BANK PLC	NY	40,767	118,477	0	0	0	0		
15	U S BANK NATIONAL ASSN	OH	330,227	113,174	33,267	1,206	279	1,486	4	
16	KEYBANK NATIONAL ASSN	OH	84,839	84,346	11,288	1,057	181	1,239	11	
17	FIFTH THIRD BANK	OH	114,402	71,188	14,199	1,591	648	2,238	16	
18	TD BANK NATIONAL ASSN	DE	193,074	69,702	14,596	2,112	766	2,878	20	
19	BRANCH BANKING&TRUST CO	NC	169,026	69,092	17,793	1,260	377	1,638	9	
20	UNION BANK NATIONAL ASSN	CA	91,576	56,694	10,138	938	901	1,839	18	
21	RBS CITIZENS NATIONAL ASSN	RI	106,242	37,585	10,618	1,039	285	1,324	12	
22	BOKF NATIONAL ASSN	OK	25,734	30,339	2,417	201	265	466	19	
23	CAPITAL ONE NATIONAL ASSN	VA	133,000	28,935	12,287	574	196	771	6	
24	BMO HARRIS BANK NA	IL	94,826	27,307	10,300	643	283	925	9	
25	HUNTINGTON NATIONAL BANK	OH	55,585	26,509	5,809	463	151	614	11	
TOP 25 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$8,691,082	\$227,486,417	\$845,560	\$368,666	\$744,577	\$1,113,243	132	
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			3,503,866	496,050	386,464	8,830	3,679	12,508	3	
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	1,232,024	377,495	748,256	1,125,751	91	

Commercial banks also hold on-balance sheet assets in volumes that are multiples of bank capital. For example:

EXPOSURES FROM OTHER ASSETS ALL COMMERCIAL BANKS & SAVINGS ASSOCIATIONS	EXPOSURE TO RISK BASED CAPITAL
1-4 FAMILY MORTGAGES	170%
C&I LOANS	97%
SECURITIES NOT IN TRADING ACCOUNT	203%

Note: Total credit exposure is defined as the credit equivalent amount from derivative contracts (RC-R line 54), which is the sum of netted current credit exposure and PFE.

Note: The total credit exposure to capital ratio is calculated using risk based capital (tier one plus tier two capital).

Note: Currently, the Call Report does not differentiate credit derivatives by contract type. Credit derivatives have been included in the sum of total derivatives here.

Note: Numbers may not add due to rounding.

Data source: Call Reports, Schedule RC-R.

TABLE 5

**NOTIONAL AMOUNTS OF DERIVATIVE CONTRACTS HELD FOR TRADING  
TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

<b>RANK</b>	<b>BANK NAME</b>	<b>STATE</b>	<b>TOTAL ASSETS</b>	<b>TOTAL DERIVATIVES</b>	<b>TOTAL HELD FOR TRADING &amp; MTM</b>	<b>% HELD FOR TRADING &amp; MTM</b>	<b>TOTAL NOT FOR TRADING MTM</b>	<b>% NOT FOR TRADING MTM</b>
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$65,312,904	\$64,722,172	99.1	\$590,732	0.9
2	CITIBANK NATIONAL ASSN	SD	1,312,764	48,823,911	48,744,693	99.8	79,218	0.2
3	BANK OF AMERICA NA	NC	1,448,262	42,799,375	40,132,285	93.8	2,667,090	6.2
4	GOLDMAN SACHS BANK USA	NY	101,927	42,292,559	42,281,073	100.0	11,486	0.0
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$199,228,749	\$195,880,223	98.3	\$3,348,526	1.7
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	14,702,160	13,218,057	89.9	1,484,103	10.1
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	213,930,909	209,098,280	97.7	4,832,629	2.3

Note: Currently, the Call Report does not differentiate between traded and not-traded credit derivatives. Credit derivatives have been excluded from the sum of total derivatives here.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-L

TABLE 6

**GROSS FAIR VALUES OF DERIVATIVE CONTRACTS  
TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TRADING		NOT FOR TRADING		CREDIT DERIVATIVES	
					GROSS POSITIVE FAIR VALUE*	GROSS NEGATIVE FAIR VALUE**	GROSS POSITIVE FAIR VALUE*	GROSS NEGATIVE FAIR VALUE**	GROSS POSITIVE FAIR VALUE*	GROSS NEGATIVE FAIR VALUE**
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$1,484,058	\$1,467,498	\$9,519	\$8,303	\$126,584	\$125,954
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	906,914	890,885	675	1,972	66,286	63,359
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	803,540	800,296	79,294	78,084	72,901	72,540
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	769,146	724,516	589	7	11,000	10,938
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$3,963,658	\$3,883,195	\$90,077	\$88,366	\$276,771	\$272,791
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	244,223	245,485	22,985	16,946	16,005	15,620
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	4,207,880	4,128,680	113,063	105,312	292,775	288,411

Note: Currently, the Call Report does not differentiate between traded and non-traded credit derivatives. Credit derivatives have been included in the sum of total derivatives here. Numbers may not sum due to rounding.

\*Market value of contracts that have a positive fair value as of the end of the quarter.

\*\*Market value of contracts that have a negative fair value as of the end of the quarter.

Data source: Call Reports, schedule RC-L

TABLE 7

**TRADING REVENUES FROM CASH INSTRUMENTS AND DERIVATIVES**  
**TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES**  
**MARCH 31, 2012, \$ MILLIONS**  
**NOTE: REVENUE FIGURES ARE FOR THE QUARTER (NOT YEAR-TO-DATE)**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TOTAL TRADING REV FROM CASH & OFF BAL SHEET POSITIONS	TRADING REV FROM INT RATE POSITIONS	TRADING REV FROM FOREIGN EXCH POSITIONS	TRADING REV FROM EQUITY POSITIONS	TRADING REV FROM COMMOD & OTH POSITIONS	TRADING REV FROM CREDIT POSITIONS
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$2,808	\$2,478	\$545	\$253	\$293	(\$761)
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	1,841	1,472	435	48	57	(171)
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	118	(146)	248	31	(22)	7
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	812	1,230	(783)	0	0	365
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$5,579	\$5,034	\$445	\$332	\$328	(\$560)
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	1,441	593	1,060	(72)	84	(224)
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	7,019	5,627	1,505	260	412	(784)

Note: Effective in the first quarter of 2007, trading revenues from credit exposures are reported separately, along with the four other types of exposures. The total derivatives column includes credit exposures.

Note: Trading revenue is defined here as "trading revenue from cash instruments and off balance sheet derivative instruments."

Note: Numbers may not sum due to rounding.

Data source: Call Reports, schedule RI

TABLE 8

**NOTIONAL AMOUNTS OF DERIVATIVE CONTRACTS BY CONTRACT TYPE & MATURITY  
TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	INT RATE MATURITY < 1 YR	INT RATE MATURITY 1 - 5 YRS	INT RATE MATURITY > 5 YRS	INT RATE ALL MATURITIES	FOREIGN EXCH MATURITY < 1 YR	FOREIGN EXCH MATURITY 1 - 5 YRS	FOREIGN EXCH MATURITY > 5 YRS	FOREIGN EXCH ALL MATURITIES
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$31,397,485	\$8,627,916	\$6,331,256	\$46,356,657	\$6,797,546	\$653,883	\$123,565	\$7,574,994
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	22,261,122	7,147,003	5,145,785	34,553,910	4,690,302	377,753	143,059	5,211,114
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	10,115,648	4,982,751	3,013,774	18,112,173	3,153,192	781,654	344,861	4,279,707
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	20,099,469	8,409,035	6,638,719	35,147,223	442,943	757,799	654,715	1,855,457
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$83,873,724	\$29,166,705	\$21,129,534	\$134,169,963	\$15,083,983	\$2,571,089	\$1,266,200	\$18,921,272
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	2,007,888	2,524,492	1,561,595	6,093,976	3,765,171	446,843	83,411	4,295,425
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	85,881,612	31,691,197	22,691,129	140,263,939	18,849,154	3,017,933	1,349,611	23,216,697

Note: Figures above exclude any contracts not subject to risk-based capital requirements, such as foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, and basis swaps.

Therefore, the total notional amount of derivatives by maturity will not add to the total derivatives figure in this table.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-R

TABLE 9

**NOTIONAL AMOUNTS OF DERIVATIVE CONTRACTS BY CONTRACT TYPE & MATURITY  
TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	GOLD MATURITY < 1 YR	GOLD MATURITY 1 - 5 YRS	GOLD MATURITY > 5 YRS	GOLD ALL MATURITIES	PREC METALS MATURITY < 1 YR	PREC METALS MATURITY 1 - 5 YRS	PREC METALS MATURITY > 5 YRS	PREC METALS ALL MATURITIES
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$86,332	\$30,562	\$505	\$117,399	\$15,208	\$3,210	\$65	\$18,483
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	2,735	75	0	2,810	5,111	604	0	5,715
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	0	0	0	0	259	0	0	259
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	0	0	0	0	0	0	0	0
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$89,067	\$30,637	\$505	\$120,209	\$20,578	\$3,814	\$65	\$24,457
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	31,834	625	0	32,459	7,443	1,567	18	9,028
TOTAL FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	120,901	31,262	505	152,668	28,021	5,381	83	33,485

Note: Figures above exclude any contracts not subject to risk-based capital requirements, such as foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, and basis swaps.

Therefore, the total notional amount of derivatives by maturity will not add to the total derivatives figure in this table.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-R

TABLE 10

**NOTIONAL AMOUNTS OF DERIVATIVE CONTRACTS BY CONTRACT TYPE & MATURITY**  
**TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES**  
**MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	OTHER COMM MATURITY < 1 YR	OTHER COMM MATURITY 1 - 5 YRS	OTHER COMM MATURITY > 5 YRS	OTHER COMM ALL MATURITIES	EQUITY MATURITY < 1 YR	EQUITY MATURITY 1 - 5 YRS	EQUITY MATURITY > 5 YRS	EQUITY ALL MATURITIES
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$231,420	\$129,957	\$17,132	\$378,509	\$246,795	\$126,738	\$34,695	\$408,228
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	50,714	16,694	549	67,957	129,748	45,280	25,133	200,161
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	9,057	798	387	10,242	130,625	37,502	17,106	185,233
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	10,420	157	0	10,577	81	41	556	678
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$301,611	\$147,606	\$18,068	\$467,285	\$507,249	\$209,561	\$77,490	\$794,300
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	30,981	19,692	1,706	52,379	32,158	32,437	11,325	75,920
TOTAL FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	332,592	167,297	19,774	519,663	539,407	241,998	88,815	870,219

Note: Figures above exclude any contracts not subject to risk-based capital requirements, such as foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, and basis swaps. Therefore, the total notional amount of derivatives by maturity will not add to the total derivatives figure in this table.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-R

TABLE 11

**NOTIONAL AMOUNTS OF CREDIT DERIVATIVE CONTRACTS BY CONTRACT TYPE & MATURITY  
TOP 4 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES  
MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TOTAL CREDIT DERIVATIVES	CREDIT DERIVATIVES INVESTMENT GRADE				CREDIT DERIVATIVES SUB-INVESTMENT GRADE			
						MATURITY < 1 YR	MATURITY 1 - 5 YRS	MATURITY > 5 YRS	ALL MATURITIES	MATURITY < 1 YR	MATURITY 1 - 5 YRS	MATURITY > 5 YRS	ALL MATURITIES
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$71,478,760	\$6,165,856	\$804,632	\$2,608,957	\$809,242	\$4,222,831	\$479,852	\$1,186,080	\$277,093	\$1,943,025
2	CITIBANK NATIONAL ASSN	SD	1,312,764	51,894,344	3,070,433	258,224	872,427	191,690	1,322,341	342,588	1,114,458	291,046	1,748,092
3	BANK OF AMERICA NA	NC	1,448,262	46,361,694	3,562,320	428,992	1,648,833	330,870	2,408,695	265,260	702,718	185,647	1,153,625
4	GOLDMAN SACHS BANK USA	NY	101,927	42,821,356	528,797	39,943	190,625	22,730	253,298	87,735	176,975	10,789	275,499
TOP 4 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$4,705,688	\$212,556,154	\$13,327,406	\$1,531,791	\$5,320,842	\$1,354,532	\$8,207,165	\$1,175,435	\$3,180,231	\$764,575	\$5,120,241
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			7,489,260	15,426,312	724,152	75,441	198,489	31,787	305,718	114,727	233,108	70,167	418,002
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	227,982,467	14,051,558	1,607,232	5,519,331	1,386,320	8,512,883	1,290,162	3,413,339	834,742	5,538,242

Note: Figures above exclude any contracts not subject to risk-based capital requirements, such as foreign exchange contracts with an original maturity of 14 days or less, futures contracts, written options, and basis swaps.

Therefore, the total notional amount of derivatives by maturity will not add to the total derivatives figure in this table.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-L and RC-R

TABLE 12

**DISTRIBUTION OF CREDIT DERIVATIVE CONTRACTS**  
**TOP 25 COMMERCIAL BANKS, SAVINGS ASSOCIATIONS AND TRUST COMPANIES IN DERIVATIVES**  
**MARCH 31, 2012, \$ MILLIONS**

RANK	BANK NAME	STATE	TOTAL ASSETS	TOTAL DERIVATIVES	TOTAL CREDIT DERIVATIVES	TOTAL CREDIT DERIVATIVES				BOUGHT				SOLD			
						BOUGHT	SOLD	CREDIT DEFAULT SWAPS	TOTAL RETURN SWAPS	CREDIT OPTIONS	OTHER CREDIT DERIVATIVES	CREDIT DEFAULT SWAPS	TOTAL RETURN SWAPS	CREDIT OPTIONS	OTHER CREDIT DERIVATIVES		
1	JPMORGAN CHASE BANK NA	OH	\$1,842,735	\$65,312,904	\$6,165,856	\$3,008,409	\$3,157,447	\$2,975,408	\$13,035	\$12,088	\$7,878	\$3,073,415	\$587	\$13,886	\$69,559		
2	CITIBANK NATIONAL ASSN	SD	1,312,764	48,823,911	3,070,433	1,580,265	1,490,168	1,542,174	22,270	15,821	0	1,473,208	4,609	12,351	0		
3	BANK OF AMERICA NA	NC	1,448,262	42,799,375	3,562,320	1,786,305	1,776,015	1,777,362	322	8,621	0	1,742,633	2,098	31,284	0		
4	GOLDMAN SACHS BANK USA	NY	101,927	42,292,559	528,797	309,970	218,827	250,616	4,128	2,862	52,364	214,360	3,660	807	0		
5	HSBC BANK USA NATIONAL ASSN	VA	206,809	3,867,874	599,022	288,196	310,826	274,973	13,222	0	0	292,213	18,613	0	0		
6	WELLS FARGO BANK NA	SD	1,181,817	3,703,585	74,810	37,870	36,940	33,812	0	0	4,058	33,759	277	0	2,904		
7	MORGAN STANLEY BANK NA	UT	67,651	2,543,674	23,167	21,086	2,081	21,086	0	0	0	2,081	0	0	0		
8	BANK OF NEW YORK MELLON	NY	229,715	1,372,628	270	268	2	268	0	0	0	2	0	0	0		
9	STATE STREET BANK&TRUST CO	MA	183,994	957,169	95	95	0	95	0	0	0	0	0	0	0		
10	PNC BANK NATIONAL ASSN	DE	287,766	388,263	3,671	2,034	1,637	160	0	0	1,874	49	0	0	1,588		
11	SUNTRUST BANK	GA	172,289	265,700	4,289	2,331	1,958	493	1,836	0	2	117	1,836	0	6		
12	NORTHERN TRUST CO	IL	91,341	242,583	61	61	0	61	0	0	0	0	0	0	0		
13	REGIONS BANK	AL	124,713	149,341	711	131	580	0	0	0	131	0	0	0	580		
14	STANDARD CHARTERED BANK PLC	NY	40,767	118,477	0	0	0	0	0	0	0	0	0	0	0		
15	U S BANK NATIONAL ASSN	OH	330,227	110,390	2,783	1,040	1,743	523	0	0	518	300	0	0	1,443		
16	KEYBANK NATIONAL ASSN	OH	84,839	80,963	3,382	1,803	1,579	1,803	0	0	0	1,486	93	0	0		
17	FIFTH THIRD BANK	OH	114,402	70,006	1,182	358	824	0	0	0	358	0	0	0	824		
18	TD BANK NATIONAL ASSN	DE	193,074	67,820	1,882	1,836	45	1,836	0	0	0	45	0	0	0		
19	BRANCH BANKING&TRUST CO	NC	169,026	69,092	0	0	0	0	0	0	0	0	0	0	0		
20	UNION BANK NATIONAL ASSN	CA	91,576	56,694	0	0	0	0	0	0	0	0	0	0	0		
21	RBS CITIZENS NATIONAL ASSN	RI	106,242	36,718	868	0	868	0	0	0	0	0	0	0	868		
22	BOKF NATIONAL ASSN	OK	25,734	30,339	0	0	0	0	0	0	0	0	0	0	0		
23	CAPITAL ONE NATIONAL ASSN	VA	133,000	28,282	653	109	544	0	0	11	98	0	0	131	413		
24	BMO HARRIS BANK NA	IL	94,826	27,292	16	13	2	3	0	0	10	2	0	0	0		
25	HUNTINGTON NATIONAL BANK	OH	55,585	26,019	490	254	236	0	0	0	254	0	0	0	236		
TOP 25 COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			\$8,691,082	\$213,441,660	\$14,044,757	\$7,042,434	\$7,002,322	\$6,880,673	\$54,813	\$39,403	\$67,545	\$6,833,670	\$31,773	\$58,459	\$78,420		
OTHER COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			3,503,866	489,249	6,801	5,539	1,263	452	3,932	240	914	69	6	0	1,188		
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES			12,194,947	213,930,909	14,051,558	7,047,973	7,003,585	6,881,126	58,745	39,643	68,460	6,833,739	31,778	58,459	79,609		
					(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		
TOP 25 COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES					100.0	50.1	49.8	49.0	0.4	0.3	0.5	48.6	0.2	0.4	0.6		
OTHER COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES					0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
TOTAL AMOUNT FOR COMMERCIAL BANKS, SAs & TCs: % OF TOTAL COMMERCIAL BANKS, SAs & TCs WITH DERIVATIVES					100.0	50.2	49.8	49.0	0.4	0.3	0.5	48.6	0.2	0.4	0.6		

Note: Credit derivatives have been excluded from the sum of total derivatives here.

Note: Numbers may not add due to rounding.

Data source: Call Reports, schedule RC-L