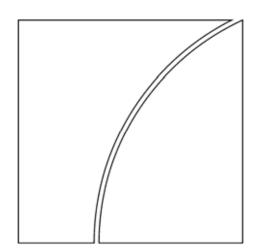


BANK FOR INTERNATIONAL SETTLEMENTS

Monetary and Economic Department

OTC derivatives market activity in the second half of 2007



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I. Market developments in the second half of 2007

The over-the-counter (OTC) derivatives market showed relatively steady growth in the second half of 2007, amid the turmoil in global financial markets. Notional amounts of all categories of OTC contracts rose by 15% to \$596 trillion at the end of December (Table 1), following a 24% increase in the first half of the year.¹ Growth remained particularly strong in the credit segment, where the notional amounts of outstanding credit default swaps (CDSs) increased by 36% to \$58 trillion. Expansion in the foreign exchange, interest rate and commodities segments was also relatively robust, recording double digit growth rates, while the equity segment showed a negative growth rate.

Gross market values, which measure the cost of replacing all existing contracts, increased by 30% and reached \$15 trillion in total at the end of December 2007 (Table 1). In particular, gross market values of CDSs almost tripled (an increase of 178%) to \$2 trillion, due chiefly to a substantial price movement of CDS contracts during the period. An increase in gross market values was found in all categories of OTC contracts. Gross credit exposures, after netting agreements, also rose by 22% to a total of \$3.3 trillion.²

1. Strong growth in credit default swaps

Notional amounts of CDSs continued to expand by 36% in the second half of 2007, although the growth rate slowed from the 49% recorded in the first half of the year (Graph 1, left-hand panel, and Table 4). At a cumulated \$6.0 trillion³ in the second half, multilateral terminations of CDS contracts almost doubled from \$3.2 trillion in the first half, and shaved approximately 14% off the growth rate in this market.

Growth in the notional amounts of multi-name CDSs (40%) again outpaced that in single-name contracts (33%). By credit rating (single-name instruments), CDS contracts on firms with ratings below investment grade and without ratings increased by 54% and 24% from the previous half's 31% and 9%, respectively, while growth in contracts on firms with investment grade slowed to 32% from 49% (Table 5).

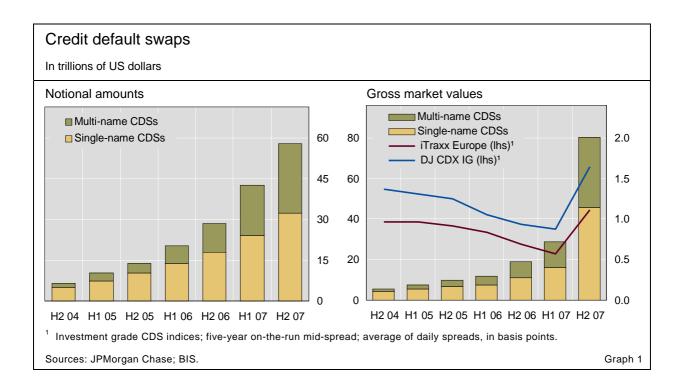
The breakdown by counterparty showed that CDS contracts with insurance firms recorded a high growth rate (46%), along with contracts with banks and securities firms (44%), although the share of insurance firms was still very small (0.8% of all trades). Insurance firms sold \$319 billion of the protection bought, and purchased \$166 billion of the protection sold by the reporting dealers. In the second half of 2007, insurance firms showed a high growth rate (89%) as purchasers of the protection sold by the reporting dealers.

Gross market values of CDSs recorded a growth rate of 178% in the second half of the year, much higher than the 53% from the first half (Graph 1, right-hand panel). This unprecedentedly rapid growth presumably reflected a substantial increase in insurance prices on CDS contracts as measured by CDS spreads in the second half of the year. This increased valuation of existing CDS contracts, amid the turmoil in global financial markets. By counterparty, CDS contracts with insurance firms expanded at the very high rate of 597%, followed by 225% for contracts with banks and securities firms.

¹ Growth rates have not been annualised but refer to changes over six months.

² Market sources indicate that these positions are largely collateralised. Netting arrangements and collateral are discussed in more detail in Committee on Payment and Settlement Systems, *New developments in clearing and settlement arrangements for OTC derivatives*, March 2007.

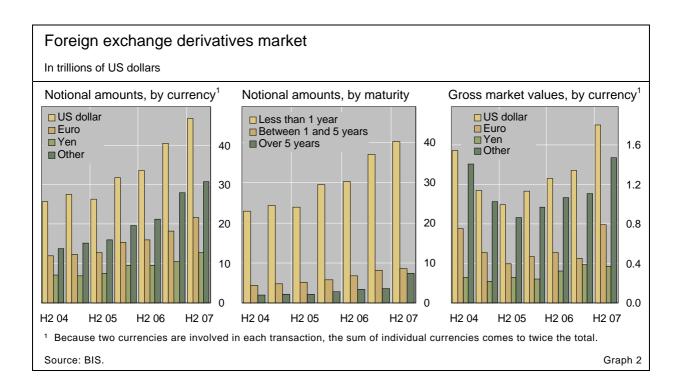
³ Figures supplied by TriOptima. The volumes of terminations of contracts between BIS reporting dealers has been adjusted for double-counting.



2. Solid growth in FX derivatives

Notional amounts of OTC foreign exchange derivatives showed a solid growth rate of 16% in the second half of 2007, slightly below the 21% recorded in the first half of the year (Table 2). By instrument, activity in outright forwards and forex swaps and currency swaps remained relatively robust, expanding by 19% and 17%, respectively, while the growth rate of options slowed to 8% from 23% in the first half of the year. By currency, contracts with one leg denominated in US dollars, euros, Japanese yen or Swiss francs showed robust growth, ranging between 16% and 21%, while contracts in sterling slowed to 3% (Graph 2, left-hand panel). By maturity, contracts with maturities over five years increased substantially by 104%, while the growth rate of contracts with shorter maturities slowed significantly (Graph 2, centre panel).

Gross market values of OTC foreign exchange derivatives in total recorded a high growth rate of 34% in the second half of the year, significantly above the first half's 6%. By instrument, all the categories (outright forwards and forex swaps, currency swaps and options) showed rates of growth higher than 30% (37%, 32% and 34%, respectively). By currency, the euro, sterling and the US dollar recorded high growth rates (73%, 50% and 32%), while the Japanese yen showed a negative growth rate of -5% (Graph 2, right-hand panel).



3. Moderate growth in interest rate derivatives

The rapid expansion in the notional amounts and gross market values of OTC interest rate derivatives in the first half of 2007 (19% and 26% respectively) gave way to more moderate growth (13% and 18%) in the second half of the year. Notional amounts outstanding and gross market values stood at \$393 trillion and \$7.2 trillion respectively at the end of December 2007 (Table 3).

By instrument, notional amounts of forward rate agreements grew faster (17%) than those of swaps (14%) or options (9%). By maturity, notional amounts with maturities over five years showed a much higher growth rate (47%) than shorter maturities. By currency, the Japanese yen and the pound sterling slowed to growth rates of 11% and 3% in the second half of the year, from 26% and 24% in the first half.

4. Subdued activity in equity derivatives

Growth in the notional amounts of OTC equity derivatives slowed markedly from 15% in the first half of 2007 to -1% in the second, the first negative growth rate since the second half of 2004 (Table 1). The notional amounts of OTC equity contracts stood at \$8.5 trillion at the end of December 2007.

Declining notional amounts came from contracts on US (-7%), Japanese (-26%), European (-1%) and Latin American equities (-7%). This contrasted with rapidly increasing activity in derivatives on other Asian equities (107%). The breakdown by instrument indicates that the notional amounts of forwards and swaps declined by 10%, while those of options grew by 3%. Gross market values of OTC equity contracts slightly increased by 2% to \$1.1 trillion at the end of December.

5. Robust growth in commodity derivatives

The market for OTC commodity derivatives showed robust activity, with notional amounts increasing by 19% in the second half of 2007 to reach \$9.0 trillion at the end of December (Table 1). By risk category, gold showed a high growth rate of 40% in the second half of the year,

significantly rebounding from –33% in the first half. For commodities other than gold, forwards and swaps increased by 63% to \$5.6 trillion, whereas option volume declined by 25% to \$2.8 trillion. Gross market values of commodity contracts in total increased by 18% to \$0.8 trillion.

6. Market concentration stable and low, particularly for FX derivatives

Concentration in the OTC derivatives market remained relatively stable in a wide array of product categories, particularly the foreign exchange segment. According to the Herfindahl indices calculated on the basis of responses from individual dealers, concentration in the foreign exchange segment remained stable at a low level (Table 6b). In the interest rate segment, Herfindahl indices rose in forward rate agreements and options on the Swedish krona and US dollar, while they fell in forward rate agreements in euros and Japanese yen (Table 6a). In the equity segment, a decline in concentration was observed in options contracts on Japanese and other Asian stocks, as well as forward and swap contracts on US stocks, contrasted with increased concentration for forwards and swaps on Japanese stocks and options on Latin American stocks (Table 6c).

II. Statistical notes

1. Coverage

As of end-June 1998, the central banks of the G10 countries introduced the regular collection of statistics on derivatives markets through reporting by leading global dealers. The objective of the reporting exercise is to obtain reasonably comprehensive and internationally consistent information on the size and structure of over-the-counter (OTC) derivatives markets.

The semiannual OTC derivatives market statistics (Tables 1 to 3) provide data on notional amounts and gross market values outstanding of forwards, swaps and options of foreign exchange, interest rate, equity, commodity and credit derivatives. All published figures are adjusted for doublecounting resulting from positions between reporting institutions. Notional amounts outstanding are adjusted by halving positions vis-à-vis other reporting dealers. Gross market values are adjusted by adding the total gross positive market value of contracts to the gross negative market value of contracts with non-reporting counterparties only.

As of end-June 2004, the BIS started releasing statistics on concentration measures in the context of the semiannual OTC derivatives statistics. The central banks of the G10 countries provided the BIS with data back to June 1998, including concentration measures for foreign exchange, interest rate and equity-linked derivatives (Tables 6a to 6i).

In response to a request made by the Committee on the Global Financial System (CGFS), as of end-December 2004 the BIS started releasing semiannual statistics on credit default swaps (CDSs) (Tables 4 and 5), which include notional amounts outstanding and gross market values for single- and multi-name instruments. As of December 2005, additional information by counterparty, sector and rating has been made available.

2. Definitions

2.1 Types of data collected

Notional amounts outstanding: Nominal or notional amounts outstanding are defined as the gross nominal or notional value of all deals concluded and not yet settled on the reporting date. For contracts with *variable nominal or notional principal amounts*, the basis for reporting is the nominal or notional principal amounts.

Nominal or notional amounts outstanding provide a measure of market size and a reference from which contractual payments are determined in derivatives markets. However, such amounts are generally not those truly at risk. The amounts at risk in derivatives contracts are a function of the price level and/or volatility of the financial reference index used in the determination of contract payments, the duration and liquidity of contracts, and the creditworthiness of counterparties. They are also a function of whether an exchange of notional principal takes place between counterparties. Gross market values provide a more accurate measure of the scale of financial risk transfer taking place in derivatives markets.

Gross positive and negative market values: Gross market values are defined as the sums of the absolute values of all open contracts with either positive or negative replacement values evaluated at market prices prevailing on the reporting date. Thus, the gross positive market value of a dealer's outstanding contracts is the sum of the replacement values of all contracts that are in a current gain position to the reporter at current market prices (and therefore, if they were settled immediately, would represent claims on counterparties). The gross negative market value is the sum of the values of all contracts that have a negative value on the reporting date (ie those that are in a current loss position and therefore, if they were settled immediately, would represent liabilities of the dealer to its counterparties).

The term "gross" is used to indicate that contracts with positive and negative replacement values with the same counterparty are not netted. Nor are the sums of positive and negative contract

values within a market risk category such as foreign exchange contracts, interest rate contracts, equities and commodities set off against one another.

As stated above, gross market values supply information about the potential scale of market risk in derivatives transactions. Furthermore, gross market value at current market prices provides a measure of economic significance that is readily comparable across markets and products.

Current credit exposure and liabilities: Current credit exposure represents the gross value of contracts that have a positive market value after taking account of legally enforceable bilateral netting agreements. Liabilities arising from OTC derivatives contracts represent the gross value of contracts that have a negative market value taking account of legally enforceable bilateral netting agreements.

Herfindahl index: The Herfindahl index represents a measure of market concentration and is defined as the sum of the squares of the market shares of each individual institution. It ranges from 0 to 10,000. The more concentrated the market, the higher the measure becomes. If the market is fully concentrated (only one institution), the measure will have the (maximum) value of 10,000.

2.2 Instrument types

Forward contracts: Forward contracts represent agreements for delayed delivery of financial instruments or commodities in which the buyer agrees to purchase and the seller agrees to deliver, at a specified future date, a specified instrument or commodity at a specified price or yield. Forward contracts are generally not traded on organised exchanges and their contractual terms are not standardised. The reporting exercise also includes transactions where only the difference between the contracted forward outright rate and the prevailing spot rate is settled at maturity, such as non-deliverable forwards (ie forwards which do not require physical delivery of a non-convertible currency) and other contracts for differences.

Swaps: Swaps are transactions in which two parties agree to exchange payment streams based on a specified notional amount for a specified period. Forward-starting swap contracts are reported as swaps.

Options: Option contracts convey either the right or the obligation, depending upon whether the reporting institution is the purchaser or the writer, respectively, to buy or sell a financial instrument or commodity at a specified price up to a specified future date.

2.3 Specific definitions for credit default swaps

Single-name CDS: A credit derivative where the reference entity is a single name.

Multi-name CDS: A contract where the reference entity is more than one name, as in portfolio or basket CDSs or CDS indices. A basket CDS is a CDS where the credit event is the default of some combination of the credits in a specified basket of credits.

3. Data availability

Detailed tables on OTC derivatives and concentration measures from end-June 1998 are available, with their main breakdowns, on the BIS website under www.bis.org/statistics/derstats.htm.

4. Next publication dates

The next OTC derivatives statistics, covering the first half of 2008, will be released no later than 30 November 2008.

III. Statistical tables

Table 1

The global OTC derivatives market¹

Amounts outstanding in billions of US dollars

| | Notio | nal amoui | nts outsta | nding | G | Fross mar | ket value | S |
|---|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 |
| GRAND TOTAL (including CDSs) | 370,178 | 414,845 | 516,407 | 596,004 | 9,949 | 9,691 | 11,140 | 14,522 |
| A. Foreign exchange contracts | 38,127 | 40,271 | 48,645 | 56,238 | 1,136 | 1,266 | 1,345 | 1,807 |
| Outright forwards and forex swaps | 19,407 | 19,882 | 24,530 | 29,144 | 436 | 469 | 492 | 675 |
| Currency swaps | 9,696 | 10,792 | 12,312 | 14,347 | 535 | 601 | 619 | 817 |
| Options | 9,024 | 9,597 | 11,804 | 12,748 | 165 | 196 | 235 | 315 |
| Memo: Exchange-traded contracts ² | 181 | 240 | 303 | 291 | | | | |
| B. Interest rate contracts ³ | 262,526 | 291,582 | 347,312 | 393,138 | 5,445 | 4,826 | 6,063 | 7,177 |
| FRAs | 18,117 | 18,668 | 22,809 | 26,599 | 25 | 32 | 43 | 41 |
| Swaps | 207,588 | 229,693 | 272,216 | 309,588 | 4,840 | 4,163 | 5,321 | 6,183 |
| Options | 36,821 | 43,221 | 52,288 | 56,951 | 580 | 631 | 700 | 953 |
| Memo: Exchange-traded contracts ² | 76,829 | 62,593 | 86,150 | 71,051 | | | | |
| C. Equity-linked contracts | 6,782 | 7,488 | 8,590 | 8,509 | 671 | 853 | 1,116 | 1,142 |
| Forwards and swaps | 1,430 | 1,767 | 2,470 | 2,233 | 147 | 166 | 240 | 239 |
| Options | 5,351 | 5,720 | 6,119 | 6,276 | 523 | 686 | 876 | 903 |
| Memo: Exchange-traded contracts ² | 7,388 | 7,611 | 10,249 | 9,239 | | | | |
| D. Commodity contracts ⁴ | 6,394 | 7,115 | 7,567 | 9,000 | 718 | 667 | 636 | 753 |
| Gold | 456 | 640 | 426 | 595 | 77 | 56 | 47 | 70 |
| Other | 5,938 | 6,475 | 7,141 | 8,405 | 641 | 611 | 589 | 683 |
| Forwards and swaps | 2,188 | 2,813 | 3,447 | 5,629 | | | | |
| Options | 3,750 | 3,663 | 3,694 | 2,776 | | | | |
| E. Credit default swaps ⁵ | 20,352 | 28,650 | 42,580 | 57,894 | 294 | 470 | 721 | 2,002 |
| Single-name instruments | 13,873 | 17,879 | 24,239 | 32,246 | 186 | 278 | 406 | 1,143 |
| Multi-name instruments | 6,479 | 10,771 | 18,341 | 25,648 | 109 | 192 | 315 | 859 |
| F. Unallocated ⁶ | 35,997 | 39,740 | 61,713 | 71,225 | 1,685 | 1,609 | 1,259 | 1,642 |
| GROSS CREDIT EXPOSURE ⁷ | | | | | 2,032 | 2,036 | 2,672 | 3,256 |
| Memo: Exchange-traded contracts ^{2, 8} | 84,398 | 70,444 | 96,703 | 80,581 | | | | |

¹ All figures are adjusted for double-counting. Notional amounts outstanding have been adjusted by halving positions vis-à-vis other reporting dealers. Gross market values have been calculated as the sum of the total gross positive market value of contracts and the absolute value of the gross negative market value of contracts with non-reporting counterparties. ² Sources: FOW TRADEdata; Futures Industry Association; various futures and options exchanges. ³ Single currency contracts only. ⁴ Adjustments for double-counting partly estimated. ⁵ See Tables 4 and 5. ⁶ Includes foreign exchange, interest rate, equity, commodity and credit derivatives of non-reporting institutions, based on the latest Triennial Central Bank Survey of Foreign Exchange and Derivatives Market Activity, in 2007. ⁷ Gross market values after taking into account legally enforceable bilateral netting agreements. Excludes CDS contracts for all countries except for the United States. ⁸ Excludes commodity contracts.

The global OTC foreign exchange derivatives market^{1, 2}

| | Notio | onal amour | nts outstan | ding | | Gross mar | ket values | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 |
| Total contracts | 38,127 | 40,271 | 48,645 | 56,238 | 1,136 | 1,266 | 1,345 | 1,807 |
| With reporting dealers | 15,306 | 15,532 | 19,173 | 21,334 | 368 | 438 | 455 | 594 |
| With other financial institutions | 15,123 | 16,023 | 19,144 | 24,154 | 471 | 521 | 557 | 801 |
| With non-financial customers | 7,698 | 8,716 | 10,329 | 10,751 | 297 | 307 | 333 | 412 |
| Up to 1 year ³ | 29,579 | 30,270 | 36,950 | 40,316 | | | | |
| Between 1 and 5 years ³ | 5,851 | 6,702 | 8,090 | 8,553 | | | | |
| Over 5 years ³ | 2,697 | 3,299 | 3,606 | 7,370 | | | | |
| US dollar | 31,791 | 33,755 | 40,513 | 46,947 | 969 | 1,069 | 1,112 | 1,471 |
| Euro | 15,344 | 16,037 | 18,280 | 21,806 | 472 | 509 | 455 | 790 |
| Japanese yen | 9,536 | 9,490 | 10,602 | 12,857 | 243 | 325 | 389 | 371 |
| Pound sterling | 5,217 | 6,135 | 7,770 | 7,979 | 148 | 197 | 174 | 260 |
| Swiss franc | 2,096 | 2,311 | 3,056 | 3,662 | 50 | 49 | 54 | 91 |
| Canadian dollar | 1,674 | 1,768 | 2,239 | 2,404 | 75 | 68 | 106 | 134 |
| Swedish krona | 1,172 | 1,220 | 1,390 | 1,525 | 31 | 33 | 23 | 29 |
| Other | 9,424 | 9,825 | 13,440 | 15,297 | 283 | 282 | 377 | 470 |
| Memo: Exchange- traded contracts ⁴ | 181 | 240 | 303 | 291 | | | | |

Amounts outstanding in billions of US dollars

¹ See footnote 1 to Table 1. ² Counting both currency sides of every foreign exchange transaction means that the currency breakdown sums to 200% of the aggregate. ³ Residual maturity. ⁴ See footnote 2 to Table 1.

The global OTC interest rate derivatives market¹

| | Notio | onal amour | nts outstan | ding | | Gross mar | ket values | |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 | Jun 2006 | Dec 2006 | Jun 2007 | Dec 2007 |
| Total contracts | 262,526 | 291,582 | 347,312 | 393,138 | 5,445 | 4,826 | 6,063 | 7,177 |
| With reporting dealers | 114,826 | 127,432 | 148,555 | 157,245 | 2,221 | 1,973 | 2,375 | 2,774 |
| With other financial institutions | 114,930 | 125,708 | 153,370 | 184,396 | 2,516 | 2,223 | 2,946 | 3,523 |
| With non-financial customers | 32,770 | 38,441 | 45,387 | 51,497 | 708 | 630 | 742 | 879 |
| Up to 1 year ² | 90,755 | 104,098 | 132,402 | 127,601 | | | | |
| Between 1 and 5 years ² | 101,909 | 110,314 | 125,700 | 134,713 | | | | |
| Over 5 years ² | 69,861 | 77,170 | 89,210 | 130,824 | | | | |
| US dollar | 88,115 | 97,430 | 114,371 | 129,756 | 2,120 | 1,661 | 1,851 | 3,219 |
| Euro | 103,461 | 111,791 | 127,648 | 146,082 | 2,299 | 2,300 | 2,846 | 2,688 |
| Japanese yen | 32,581 | 38,113 | 48,035 | 53,099 | 463 | 297 | 364 | 401 |
| Pound sterling | 19,071 | 22,238 | 27,676 | 28,390 | 291 | 311 | 627 | 430 |
| Swiss franc | 3,647 | 3,543 | 3,921 | 4,101 | 46 | 34 | 52 | 42 |
| Canadian dollar | 2,047 | 2,125 | 2,828 | 3,014 | 38 | 31 | 43 | 37 |
| Swedish krona | 3,452 | 3,594 | 5,155 | 5,176 | 38 | 32 | 48 | 43 |
| Other | 10,152 | 12,747 | 17,678 | 23,520 | 150 | 160 | 232 | 317 |
| Memo: Exchange- traded contracts ³ | 76,829 | 62,593 | 86,150 | 71,051 | | | | |

Amounts outstanding in billions of US dollars

Credit default swaps market¹

Amounts outstanding in billions of US dollars

| | | | 1 | Notional a | mounts ou | utstanding | 9 | | | Gros | s market va | lues |
|---|-----------------------------|-----------|--------|--------------------|-----------|------------|----------------------|-----------|--------|------|-------------|-------|
| | Dec | cember 20 | 006 | | June 2007 | | Dee | cember 20 | 007 | Dec | Jun | Dec |
| | Bought | Sold | Total | Bought | Sold | Total | Bought | Sold | Total | 2006 | 2007 | 2007 |
| Total CDS contracts | 22,571 | 22,372 | 28,650 | 32,979 | 32,917 | 42,580 | 44,298 | 45,626 | 57,894 | 470 | 721 | 2,002 |
| With reporting dealers | 16,230 | 16,355 | 16,292 | 23,285 | 23,346 | 23,316 | 31,387 | 32,673 | 32,030 | 244 | 358 | 938 |
| With other financial institutions | 5,779 5,488 11,267 | | | 9,232 9,152 18,383 | | 18,383 | 12,423 12,562 24,985 | | 24,985 | 199 | 336 | 1,003 |
| Banks and securities firms 2,745 | | 2,577 | 5,322 | 4,855 | 4,737 | 9,592 | 6,768 | 7,081 | 13,849 | 80 | 148 | 482 |
| Insurance firms | 211 | 95 | 306 | 244 | 88 | 331 | 319 | 166 | 485 | 2 | 3 | 18 |
| Other | 2,823 | 2,816 | 5,639 | 4,133 | 4,326 | 8,460 | 5,336 | 5,315 | 10,651 | 116 | 185 | 503 |
| With non-financial customers | 561 | 530 | 1,091 | 462 | 420 | 882 | 489 | 390 | 879 | 27 | 27 | 60 |
| Up to 1 year | 1,966 | 1,876 | 2,336 | 2,338 | 2,244 | 2,867 | 2,575 | 2,482 | 3,130 | _ | _ | _ |
| Between 1 and 5 years | 13,251 | 13,366 | 16,877 | 18,953 | 19,111 | 24,353 | 27,640 | 28,693 | 35,954 | - | _ | - |
| Over 5 years | er 5 years 7,353 7,131 9,43 | | 9,437 | 11,687 | 11,562 | 15,361 | 14,084 | 14,451 | 18,810 | - | - | - |
| Single-name instruments ² | 13,727 13,633 17,879 | | 18,543 | 18,020 | 24,239 | 24,554 | 24,740 | 32,246 | 278 | 406 | 1,143 | |
| ulti-name instruments 8,844 8,740 10,77 | | | | 14,436 | 14,897 | 18,341 | 19,745 | 20,885 | 25,648 | 192 | 315 | 859 |

¹ Data on total CDS and gross market values are shown on a net basis. Data on CDSs bought and sold are shown on a gross basis, ie not adjusted for inter-dealer doublecounting. ² See Table 5.

Credit default swaps market¹

Single-name instruments

Amounts outstanding in billions of US dollars

| | | | N | lotional an | nounts o | utstandin | g | | | Gross | s market va | alues |
|-----------------------------------|--------|----------|--------|-------------|-----------|-----------|--------|----------|--------|-------|-------------|-------|
| | Dec | ember 20 | 006 | J | lune 2007 | , | Dec | ember 20 | 007 | Dec | Jun | Dec |
| | Bought | Sold | Total | Bought | Sold | Total | Bought | Sold | Total | 2006 | 2007 | 2007 |
| Total single-name instruments | 13,727 | 13,633 | 17,879 | 18,543 | 18,020 | 24,239 | 24,554 | 24,740 | 32,246 | 278 | 406 | 1,143 |
| With reporting dealers | 9,504 | 9,455 | 9,480 | 12,555 | 12,092 | 12,324 | 16,916 | 17,181 | 17,049 | 142 | 198 | 485 |
| With other financial institutions | 3,942 | 3,892 | 7,834 | 5,650 | 5,599 | 11,249 | 7,284 | 7,246 | 14,530 | 127 | 196 | 628 |
| Banks and securities firms | 1,612 | 1,519 | 3,131 | 2,877 | 2,641 | 5,518 | 3,883 | 3,853 | 7,736 | 43 | 84 | 313 |
| Insurance firms | 107 | 55 | 162 | 116 | 52 | 168 | 166 | 99 | 264 | 1 | 2 | 13 |
| Other | 2,223 | 2,317 | 4,540 | 2,657 | 2,906 | 5,563 | 3,235 | 3,294 | 6,529 | 83 | 111 | 301 |
| With non-financial customers | 280 | 286 | 566 | 338 | 329 | 667 | 354 | 314 | 667 | 9 | 12 | 30 |
| Up to 1 year | 1,201 | 1,065 | 1,444 | 1,530 | 1,408 | 1,893 | 1,590 | 1,512 | 2,003 | _ | _ | - |
| Between 1 and 5 years | 8,508 | 8,669 | 11,101 | 11,200 | 11,179 | 14,566 | 16,033 | 16,397 | 20,896 | _ | _ | _ |
| Over 5 years | 4,018 | 3,898 | 5,334 | 5,812 | 5,432 | 7,780 | 6,931 | 6,831 | 9,346 | _ | _ | _ |
| Sovereigns | 868 | 774 | 1,101 | 1,276 | 995 | 1,490 | 1,410 | 1,390 | 1,798 | _ | _ | _ |
| Non-sovereigns | 12,859 | 12,859 | 16,778 | 17,322 | 17,026 | 22,778 | 23,144 | 23,350 | 30,448 | _ | _ | _ |
| Investment grade | 8,206 | 8,143 | 10,529 | 11,934 | 11,806 | 15,685 | 15,249 | 16,071 | 20,659 | - | - | - |
| Below investment grade | 1,895 | 1,941 | 2,481 | 2,417 | 2,427 | 3,248 | 3,751 | 3,716 | 5,011 | _ | _ | - |
| Non-rated | 3,625 | 3,548 | 4,870 | 4,192 | 3,788 | 5,307 | 5,553 | 4,954 | 6,576 | _ | _ | _ |

¹ Data on total CDS and gross market values are shown on a net basis. Data on CDSs bought and sold are shown on a gross basis, ie not adjusted for inter-dealer doublecounting.

| | Perfindant indices for all OTC interest rate derivatives contracts | | | | | | | | | | | | | | | | | |
|----------|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Currency | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
| CAD | Forward rate agreements | 1,373 | 1,418 | 1,452 | 1,347 | 1,812 | 1,556 | 1,818 | 1,530 | 1,522 | 1,965 | 1,741 | 1,659 | 1,649 | 1,670 | 1,499 | 1,164 | 1,122 |
| | Interest rate swaps | 800 | 856 | 876 | 874 | 1,044 | 1,044 | 1,047 | 1,041 | 1,039 | 1,048 | 973 | 1,000 | 1,017 | 1,018 | 1,020 | 987 | 985 |
| | Options | 1,340 | 1,458 | 1,791 | 1,621 | 1,702 | 1,682 | 2,112 | 2,161 | 2,226 | 2,313 | 2,697 | 2,955 | 3,052 | 2,703 | 2,951 | 2,978 | 2,962 |
| CHF | Forward rate agreements | 1,317 | 1,421 | 1,274 | 1,264 | 1,252 | 1,234 | 1,218 | 1,264 | 1,269 | 1,169 | 1,222 | 1,158 | 1,630 | 1,698 | 1,919 | 2,043 | 2,032 |
| | Interest rate swaps | 643 | 655 | 688 | 678 | 788 | 824 | 846 | 896 | 852 | 797 | 807 | 936 | 1,015 | 1,080 | 1,149 | 1,150 | 1,162 |
| | Options | 1,154 | 1,432 | 2,439 | 1,239 | 1,228 | 1,461 | 1,693 | 1,684 | 1,616 | 1,796 | 1,292 | 1,508 | 1,584 | 1,395 | 1,200 | 1,045 | 948 |
| EUR | Forward rate agreements | 937 | 851 | 1,107 | 936 | 740 | 556 | 571 | 539 | 639 | 670 | 597 | 631 | 667 | 690 | 783 | 812 | 709 |
| | Interest rate swaps | 522 | 511 | 500 | 486 | 524 | 478 | 492 | 481 | 478 | 473 | 481 | 479 | 484 | 502 | 561 | 623 | 596 |
| | Options | 578 | 530 | 565 | 559 | 584 | 561 | 546 | 608 | 591 | 675 | 607 | 567 | 539 | 533 | 567 | 604 | 596 |
| GBP | Forward rate agreements | 641 | 614 | 728 | 693 | 638 | 605 | 610 | 607 | 1,095 | 930 | 923 | 855 | 1,210 | 1,083 | 1,023 | 1,120 | 1,066 |
| | Interest rate swaps | 444 | 429 | 448 | 438 | 476 | 489 | 515 | 544 | 565 | 594 | 578 | 614 | 661 | 707 | 692 | 736 | 765 |
| | Options | 686 | 677 | 662 | 648 | 727 | 648 | 615 | 643 | 666 | 747 | 1,452 | 1,288 | 905 | 957 | 915 | 806 | 777 |
| JPY | Forward rate agreements | 932 | 1,014 | 1,109 | 1,937 | 1,758 | 1,763 | 1,942 | 1,972 | 1,647 | 1,308 | 1,852 | 2,565 | 3,025 | 3,280 | 3,468 | 2,569 | 2,302 |
| | Interest rate swaps | 528 | 545 | 585 | 613 | 706 | 779 | 790 | 806 | 744 | 728 | 693 | 664 | 635 | 618 | 624 | 679 | 673 |
| | Options | 596 | 715 | 791 | 708 | 1,217 | 1,202 | 1,624 | 1,223 | 1,065 | 978 | 739 | 781 | 793 | 829 | 769 | 801 | 745 |
| SEK | Forward rate agreements | 914 | 936 | 957 | 1,125 | 1,002 | 944 | 886 | 839 | 947 | 965 | 861 | 811 | 767 | 847 | 1,068 | 1,096 | 1,242 |
| | Interest rate swaps | 601 | 586 | 640 | 592 | 608 | 532 | 569 | 561 | 570 | 583 | 583 | 564 | 571 | 586 | 594 | 628 | 660 |
| | Options | 987 | 1,036 | 1,076 | 989 | 1,081 | 1,149 | 1,224 | 1,174 | 1,230 | 1,137 | 995 | 1,077 | 1,259 | 1,431 | 1,638 | 1,945 | 2,337 |
| USD | Forward rate agreements | 710 | 755 | 879 | 888 | 1,145 | 907 | 1,042 | 901 | 786 | 725 | 645 | 652 | 690 | 788 | 918 | 850 | 967 |
| | Interest rate swaps | 490 | 500 | 528 | 529 | 730 | 666 | 682 | 701 | 672 | 626 | 673 | 650 | 691 | 680 | 680 | 687 | 698 |
| | Options | 734 | 782 | 819 | 764 | 1,143 | 1,044 | 1,038 | 961 | 877 | 847 | 767 | 756 | 762 | 816 | 830 | 865 | 982 |

 Table 6a

 Herfindahl indices for all OTC interest rate derivatives contracts

| - |
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| OTC derivatives |
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| | | | H | erfindał | nl indice | es for al | I OTC e | quity-lin | ked der | rivatives | s contra | cts | | | | | | |
|---------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Region | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
| Europe | Forwards and swaps | 787 | 618 | 750 | 693 | 733 | 770 | 762 | 768 | 698 | 611 | 631 | 598 | 652 | 616 | 690 | 785 | 738 |
| | Options | 613 | 657 | 779 | 891 | 880 | 952 | 791 | 985 | 1,013 | 1,195 | 659 | 662 | 615 | 689 | 780 | 722 | 675 |
| Japan | Forwards and swaps | 3,416 | 2,501 | 2,043 | 1,461 | 2,005 | 1,822 | 1,946 | 1,854 | 3,106 | 1,984 | 1,734 | 2,056 | 2,292 | 1,326 | 1,205 | 1,073 | 1,308 |
| | Options | 1,102 | 1,018 | 1,386 | 860 | 841 | 1,072 | 1,132 | 2,322 | 1,718 | 2,553 | 1,203 | 893 | 3,953 | 3,405 | 3,078 | 2,551 | 1,267 |
| Latin America | Forwards and swaps | 9,274 | 6,881 | 5,015 | 5,163 | 6,063 | 7,546 | 7,281 | 8,839 | 3,808 | 3,732 | 4,243 | 6,953 | 7,039 | 6,704 | 7,199 | 7,876 | 7,420 |
| | Options | 4,330 | 6,776 | 6,703 | 4,353 | 8,084 | 7,585 | 4,807 | 9,332 | 6,432 | 6,304 | 4,029 | 4,427 | 5,790 | 3,918 | 3,902 | 3,735 | 4,415 |
| Other Asia | Forwards and swaps | 3,606 | 5,119 | 1,663 | 1,631 | 5,294 | 6,086 | 1,677 | 3,197 | 2,233 | 2,010 | 1,536 | 1,355 | 1,334 | 1,294 | 1,066 | 1,343 | 1,350 |
| | Options | 2,341 | 1,586 | 1,600 | 1,188 | 1,447 | 1,550 | 1,675 | 1,894 | 5,464 | 5,435 | 1,674 | 1,177 | 5,566 | 5,536 | 5,615 | 4,968 | 2,882 |
| United States | Forwards and swaps | 1,895 | 1,088 | 1,132 | 1,048 | 1,070 | 1,174 | 1,037 | 964 | 1,040 | 855 | 849 | 722 | 947 | 941 | 1,487 | 1,578 | 803 |
| | Options | 1,275 | 749 | 759 | 663 | 751 | 890 | 665 | 793 | 1,031 | 836 | 915 | 725 | 787 | 1,402 | 752 | 802 | 755 |

Table 6c

 Table 6b

 Herfindahl indices for all OTC foreign exchange derivatives contracts

| Contract type | Dec | Jun | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 99 | 00 | 00 | 01 | 01 | 02 | 02 | 03 | 03 | 04 | 04 | 05 | 05 | 06 | 06 | 07 | 07 |
| Forwards, forex swaps and currency swaps | 413 | 423 | 423 | 416 | 471 | 427 | 434 | 438 | 429 | 442 | 446 | 440 | 464 | 475 | 483 | 487 | 497 |
| Options | 544 | 507 | 528 | 546 | 564 | 518 | 503 | 498 | 605 | 560 | 605 | 591 | 624 | 606 | 569 | 558 | 570 |

| | Herfindahl indices for OTC interest rate derivatives contracts between reporters' | | | | | | | | | | | | | | | | | |
|----------|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Currency | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
| CAD | Forward rate agreements | 1,707 | 1,594 | 1,876 | 1,365 | 2,266 | 1,992 | 2,325 | 2,000 | 1,814 | 2,118 | 2,218 | 1,815 | 1,979 | 1,698 | 1,687 | 1,246 | 1,088 |
| | Interest rate swaps | 834 | 876 | 910 | 818 | 1,008 | 949 | 893 | 974 | 1,018 | 1,008 | 1,045 | 938 | 978 | 996 | 1,007 | 952 | 945 |
| | Options | 1,341 | 1,212 | 1,622 | 1,558 | 1,474 | 1,720 | 2,426 | 2,695 | 2,811 | 2,722 | 3,135 | 2,333 | 2,659 | 2,686 | 2,738 | 2,741 | 2,578 |
| CHF | Forward rate agreements | 1,480 | 1,505 | 1,256 | 1,211 | 1,270 | 1,262 | 1,594 | 1,606 | 1,475 | 1,348 | 1,401 | 1,244 | 1,710 | 1,813 | 2,321 | 2,086 | 2,183 |
| | Interest rate swaps | 701 | 724 | 708 | 705 | 822 | 854 | 890 | 835 | 833 | 800 | 815 | 932 | 1,043 | 1,169 | 1,229 | 1,218 | 1,176 |
| | Options | 1,371 | 1,495 | 1,186 | 1,350 | 1,041 | 1,220 | 1,441 | 1,487 | 1,347 | 1,691 | 1,634 | 1,223 | 1,214 | 1,296 | 1,034 | 901 | 935 |
| EUR | Forward rate agreements | 961 | 956 | 1,071 | 954 | 727 | 540 | 547 | 555 | 540 | 506 | 576 | 661 | 679 | 707 | 820 | 701 | 637 |
| | Interest rate swaps | 549 | 543 | 530 | 506 | 571 | 503 | 505 | 474 | 478 | 474 | 470 | 483 | 496 | 516 | 517 | 512 | 542 |
| | Options | 583 | 584 | 619 | 618 | 642 | 636 | 558 | 600 | 575 | 605 | 649 | 556 | 547 | 557 | 581 | 616 | 669 |
| GBP | Forward rate agreements | 736 | 666 | 788 | 769 | 697 | 647 | 648 | 576 | 746 | 1,012 | 939 | 977 | 1,180 | 1,090 | 1,024 | 936 | 1,003 |
| | Interest rate swaps | 456 | 427 | 468 | 458 | 490 | 497 | 550 | 522 | 547 | 723 | 691 | 695 | 751 | 757 | 707 | 729 | 799 |
| | Options | 928 | 886 | 795 | 826 | 828 | 786 | 685 | 670 | 661 | 721 | 845 | 842 | 870 | 908 | 892 | 801 | 832 |
| JPY | Forward rate agreements | 973 | 1,073 | 1,386 | 2,319 | 2,194 | 2,095 | 2,316 | 2,379 | 1,803 | 1,463 | 2,291 | 3,163 | 3,447 | 3,841 | 3,662 | 2,354 | 2,853 |
| | Interest rate swaps | 568 | 600 | 629 | 691 | 801 | 866 | 895 | 935 | 894 | 843 | 792 | 749 | 706 | 666 | 651 | 710 | 731 |
| | Options | 795 | 822 | 876 | 803 | 1,381 | 1,665 | 1,749 | 1,423 | 1,383 | 1,158 | 855 | 871 | 903 | 888 | 833 | 975 | 814 |
| SEK | Forward rate agreements | 862 | 964 | 939 | 1,279 | 979 | 962 | 938 | 970 | 1,211 | 1,125 | 996 | 902 | 769 | 771 | 892 | 918 | 1,131 |
| | Interest rate swaps | 617 | 607 | 662 | 601 | 623 | 530 | 570 | 569 | 602 | 651 | 664 | 641 | 650 | 658 | 656 | 676 | 744 |
| | Options | 859 | 969 | 900 | 857 | 898 | 1,143 | 1,148 | 1,101 | 1,232 | 1,111 | 1,098 | 1,036 | 1,265 | 1,830 | 1,392 | 1,504 | 2,278 |
| USD | Forward rate agreements | 757 | 932 | 894 | 934 | 1,046 | 1,070 | 1,440 | 1,142 | 978 | 791 | 625 | 604 | 703 | 782 | 878 | 825 | 916 |
| | Interest rate swaps | 508 | 533 | 562 | 577 | 784 | 719 | 757 | 757 | 751 | 678 | 716 | 682 | 729 | 698 | 686 | 673 | 694 |
| | Options | 822 | 858 | 931 | 832 | 1,111 | 1,239 | 1,144 | 991 | 899 | 820 | 770 | 783 | 807 | 980 | 884 | 890 | 767 |

 Table 6d

 Herfindahl indices for OTC interest rate derivatives contracts between reporters¹

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.

| | Table 6e | |
|-------|--------------------------------------|--|
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Herfindahl indices for OTC foreign exchange derivatives contracts between reporters¹

| Contract type | Dec | Jun | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 99 | 00 | 00 | 01 | 01 | 02 | 02 | 03 | 03 | 04 | 04 | 05 | 05 | 06 | 06 | 07 | 07 |
| Forwards, forex swaps and currency swaps | 425 | 437 | 430 | 411 | 464 | 444 | 452 | 478 | 463 | 499 | 491 | 493 | 534 | 534 | 525 | 517 | 544 |
| Options | 543 | 550 | 558 | 496 | 614 | 526 | 512 | 538 | 518 | 683 | 700 | 635 | 706 | 657 | 602 | 588 | 634 |

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.

Table 6f

| | | Не | rfindahl | indices | for OTC | cequity- | linked d | erivativ | es cont | racts b | etween | reporte | rs ¹ | | | | | |
|---------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------------|-----------|-----------|-----------|-----------|-----------|
| Region | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
| Europe | Forwards and swaps | 883 | 694 | 938 | 948 | 859 | 840 | 753 | 639 | 705 | 582 | 670 | 619 | 760 | 569 | 708 | 865 | 1,074 |
| | Options | 750 | 943 | 874 | 834 | 912 | 737 | 728 | 655 | 676 | 697 | 715 | 748 | 780 | 838 | 878 | 766 | 759 |
| Japan | Forwards and swaps | 2,539 | 3,614 | 5,209 | 2,844 | 2,541 | 3,220 | 2,435 | 2,225 | 2,789 | 1,275 | 2,367 | 2,027 | 1,689 | 1,355 | 1,562 | 1,449 | 1,863 |
| | Options | 1,316 | 1,288 | 1,758 | 908 | 924 | 1,137 | 968 | 2,433 | 1,698 | 1,127 | 1,102 | 838 | 5,054 | 3,604 | 2,161 | 1,139 | 1,061 |
| Latin America | Forwards and swaps | 8,613 | 4,116 | 5,115 | 10,000 | 10,000 | 6,242 | 4,863 | 5,556 | 6,932 | 3,851 | 3,284 | 3,387 | 5,729 | 7,743 | 5,273 | 6,676 | 7,056 |
| | Options | 6,936 | 7,398 | 3,433 | 3,613 | 4,273 | 4,772 | 8,724 | 3,090 | 7,515 | 5,133 | 4,587 | 5,707 | 9,957 | 1,784 | 3,253 | 3,744 | 2,948 |
| Other Asia | Forwards and swaps | 6,097 | 7,915 | 3,550 | 4,962 | 9,879 | 9,740 | 5,494 | 7,022 | 5,918 | 3,675 | 2,467 | 2,482 | 2,062 | 1,924 | 1,189 | 1,819 | 2,114 |
| | Options | 5,268 | 2,502 | 1,604 | 2,152 | 2,120 | 3,290 | 3,678 | 3,520 | 3,166 | 2,526 | 874 | 1,000 | 995 | 873 | 931 | 982 | 991 |
| United States | Forwards and swaps | 1,049 | 850 | 1,136 | 2,424 | 1,315 | 2,542 | 1,632 | 708 | 889 | 800 | 931 | 870 | 787 | 630 | 1,118 | 1,174 | 879 |
| | Options | 1,796 | 975 | 1,020 | 753 | 783 | 765 | 951 | 1,555 | 668 | 774 | 762 | 803 | 851 | 1,316 | 908 | 881 | 765 |

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.

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| Currency | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
|----------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| CAD | Forward rate agreements | 1,613 | 1,567 | 1,412 | 2,114 | 2,003 | 1,681 | 1,991 | 1,681 | 2,079 | 2,092 | 1,773 | 1,978 | 1,448 | 2,003 | 1,656 | 1,144 | 1,811 |
| | Interest rate swaps | 982 | 1,050 | 1,050 | 1,167 | 1,495 | 1,568 | 1,631 | 1,374 | 1,366 | 1,423 | 1,276 | 1,235 | 1,220 | 1,177 | 1,157 | 1,159 | 1,158 |
| | Options | 1,589 | 1,963 | 2,065 | 1,917 | 2,111 | 1,996 | 2,451 | 2,174 | 2,269 | 2,448 | 2,632 | 3,559 | 3,339 | 2,763 | 3,164 | 3,563 | 3,137 |
| CHF | Forward rate agreements | 1,063 | 1,961 | 1,638 | 1,639 | 2,171 | 2,250 | 2,079 | 1,933 | 1,990 | 2,049 | 1,371 | 1,490 | 1,907 | 1,744 | 3,516 | 2,011 | 1,737 |
| | Interest rate swaps | 763 | 741 | 725 | 703 | 951 | 1,082 | 1,099 | 1,261 | 1,035 | 1,026 | 1,099 | 1,074 | 1,125 | 1,086 | 1,184 | 1,208 | 1,248 |
| | Options | 928 | 1,361 | 4,531 | 1,147 | 2,146 | 2,061 | 2,254 | 2,354 | 2,140 | 1,929 | 1,496 | 1,943 | 2,054 | 1,839 | 1,631 | 1,598 | 1,498 |
| EUR | Forward rate agreements | 999 | 1,294 | 1,449 | 1,032 | 1,040 | 831 | 931 | 814 | 1,209 | 1,295 | 876 | 859 | 891 | 959 | 1,026 | 1,467 | 1,759 |
| | Interest rate swaps | 597 | 557 | 513 | 515 | 540 | 529 | 559 | 563 | 551 | 565 | 656 | 545 | 556 | 568 | 680 | 852 | 779 |
| | Options | 973 | 615 | 541 | 543 | 578 | 499 | 607 | 707 | 684 | 861 | 943 | 716 | 632 | 583 | 670 | 697 | 798 |
| GBP | Forward rate agreements | 754 | 735 | 884 | 683 | 797 | 773 | 879 | 1,247 | 2,928 | 881 | 1,203 | 1,158 | 1,693 | 1,741 | 1,447 | 2,149 | 2,995 |
| | Interest rate swaps | 503 | 541 | 503 | 489 | 562 | 599 | 604 | 669 | 685 | 546 | 583 | 602 | 687 | 756 | 765 | 824 | 904 |
| | Options | 634 | 689 | 717 | 704 | 766 | 772 | 719 | 797 | 781 | 946 | 2,809 | 2,907 | 1,127 | 1,282 | 1,135 | 951 | 1,409 |
| JPY | Forward rate agreements | 3,055 | 3,153 | 2,502 | 3,915 | 4,132 | 4,983 | 3,782 | 2,431 | 2,105 | 1,692 | 1,395 | 1,503 | 1,409 | 1,581 | 2,406 | 4,351 | 1,893 |
| | Interest rate swaps | 592 | 571 | 632 | 575 | 625 | 717 | 739 | 767 | 762 | 807 | 1,077 | 775 | 775 | 742 | 720 | 790 | 822 |
| | Options | 688 | 729 | 759 | 656 | 1,009 | 946 | 1,402 | 911 | 802 | 1,008 | 1,275 | 670 | 732 | 898 | 870 | 1,106 | 1,716 |
| SEK | Forward rate agreements | 1,535 | 1,340 | 1,341 | 2,073 | 1,771 | 1,849 | 1,690 | 916 | 879 | 980 | 908 | 1,097 | 1,174 | 1,459 | 2,006 | 1,737 | 1,852 |
| | Interest rate swaps | 799 | 760 | 784 | 716 | 771 | 751 | 717 | 707 | 638 | 662 | 879 | 572 | 611 | 660 | 706 | 845 | 857 |
| | Options | 1,398 | 1,260 | 1,444 | 1,209 | 1,379 | 1,221 | 1,339 | 1,330 | 1,327 | 1,322 | 1,104 | 1,187 | 1,531 | 2,240 | 2,034 | 2,429 | 2,531 |
| USD | Forward rate agreements | 883 | 805 | 1,338 | 1,395 | 1,978 | 1,089 | 1,319 | 1,265 | 859 | 813 | 917 | 923 | 928 | 1,001 | 1,406 | 1,132 | 1,289 |
| | Interest rate swaps | 558 | 545 | 574 | 538 | 731 | 694 | 683 | 725 | 674 | 661 | 871 | 702 | 747 | 757 | 760 | 795 | 844 |
| | Options | 756 | 815 | 814 | 792 | 1,275 | 1,058 | 1,018 | 1,030 | 915 | 937 | 933 | 770 | 751 | 718 | 857 | 940 | 1,745 |

 Table 6g

 Herfindahl indices for OTC interest rate derivatives contracts between reporters¹ and non-reporters

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.

| Herfindahl indices for OTC foreign exchange derivatives contracts between reporters ¹ | and non-reporters |
|--|-------------------|

| Contract type | Dec | Jun | Dec |
|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | 99 | 00 | 00 | 01 | 01 | 02 | 02 | 03 | 03 | 04 | 04 | 05 | 05 | 06 | 06 | 07 | 07 |
| Forwards, forex swaps and currency swaps | 432 | 438 | 444 | 453 | 516 | 469 | 468 | 460 | 443 | 445 | 518 | 454 | 461 | 475 | 487 | 495 | 533 |
| Options | 646 | 566 | 576 | 646 | 675 | 638 | 603 | 592 | 995 | 670 | 638 | 672 | 642 | 658 | 631 | 634 | 673 |

Table 6h

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.

Table 6i

| | Herf | indahl i | ndices f | or OTC | equity- | linked d | lerivativ | es cont | racts be | etween | reporter | s ¹ and ı | non-rep | orters | | | | |
|---------------|--------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Region | Contract type | Dec 99 | Jun 00 | Dec 00 | Jun 01 | Dec 01 | Jun 02 | Dec 02 | Jun 03 | Dec 03 | Jun 04 | Dec 04 | Jun 05 | Dec 05 | Jun 06 | Dec 06 | Jun 07 | Dec 07 |
| Europe | Forwards and swaps | 900 | 706 | 841 | 733 | 831 | 824 | 947 | 984 | 857 | 879 | 761 | 837 | 767 | 803 | 748 | 822 | 603 |
| | Options | 945 | 743 | 1,312 | 1,962 | 1,541 | 2,235 | 1,327 | 1,788 | 1,863 | 2,227 | 832 | 794 | 814 | 727 | 1,140 | 1,073 | 965 |
| Japan | Forwards and swaps | 4,186 | 2,616 | 2,359 | 1,924 | 2,494 | 2,059 | 2,458 | 2,910 | 5,520 | 3,114 | 2,209 | 2,330 | 3,014 | 1,942 | 1,645 | 1,582 | 1,316 |
| | Options | 1,909 | 1,822 | 918 | 1,412 | 1,108 | 1,096 | 2,110 | 2,132 | 1,988 | 4,446 | 1,932 | 1,583 | 2,080 | 3,004 | 4,896 | 5,244 | 2,612 |
| Latin America | Forwards and swaps | 9,277 | 6,919 | 5,051 | 5,524 | 6,324 | 7,932 | 7,526 | 8,863 | 4,353 | 3,839 | 4,681 | 7,270 | 7,122 | 6,857 | 7,330 | 8,167 | 7,603 |
| | Options | 4,538 | 7,794 | 6,875 | 4,945 | 8,829 | 8,324 | 9,561 | 9,622 | 7,604 | 6,678 | 4,072 | 4,623 | 5,481 | 3,971 | 3,953 | 3,842 | 4,487 |
| Other Asia | Forwards and swaps | 2,677 | 3,734 | 1,645 | 1,848 | 1,676 | 2,256 | 2,088 | 1,273 | 1,485 | 1,536 | 1,667 | 1,313 | 1,431 | 1,240 | 1,189 | 1,549 | 1,483 |
| | Options | 1,527 | 1,346 | 1,702 | 1,146 | 1,352 | 1,059 | 2,443 | 2,454 | 6,074 | 6,013 | 2,207 | 1,616 | 6,399 | 7,622 | 7,309 | 7,108 | 5,167 |
| United States | Forwards and swaps | 2,277 | 1,290 | 1,228 | 1,321 | 1,288 | 1,390 | 1,229 | 1,265 | 1,419 | 1,276 | 1,246 | 929 | 1,187 | 1,273 | 1,709 | 1,870 | 1,028 |
| | Options | 1,774 | 884 | 1,023 | 851 | 955 | 1,212 | 812 | 809 | 1,457 | 1,063 | 1,213 | 852 | 962 | 1,570 | 900 | 924 | 861 |

¹ Reporters (reporting dealers) are defined as those institutions whose head office is located in the G10 countries and which participate in the semiannual OTC derivatives market statistics; in addition, reporting dealers include all branches and subsidiaries of these entities worldwide; reporters will mainly be commercial and investment banks and securities houses, including their branches and subsidiaries and other entities which are active dealers.