Senior Credit Officer Opinion Survey on Dealer Financing Terms

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Summary

The June 2019 Senior Credit Officer Opinion Survey on Dealer Financing Terms (SCOOS) collected qualitative information on changes over the previous three months in credit terms and conditions in securities financing and over-the-counter (OTC) derivatives markets. In addition to the core questions, the survey included a set of special questions seeking a longer-term perspective on the current use of financial leverage by hedge funds. The 23 institutions participating in the survey account for almost all dealer financing of dollar-denominated securities to nondealers and are the most active intermediaries in OTC derivatives markets. The survey was conducted during the period between May 14, 2019, and May 31, 2019. The core questions asked about changes between March 2019 and May 2019.

Core Questions
(Questions 1-79)[1]

Responses to the core questions indicated a few changes over the past three months in the terms under which dealers facilitate their clients' securities and derivatives transactions. With regard to the **credit terms applicable to, and mark and collateral disputes with, different counterparty types across the entire range of securities financing and OTC derivatives transactions**, responses to the core questions showed the following:

- One-fifth of dealers, on net, reported an easing in price terms to their trading real estate investment trust (REIT) clients. Price and nonprice terms were reportedly unchanged for other counterparty types (see the exhibit Management of Concentrated Credit Exposures and Indicators of Supply of Credit).
- Similar to the previous quarter, one-fifth of respondents indicated that nonfinancial corporations have increased their efforts to negotiate more favorable price and nonprice terms over the past three months.
- The volume and duration of mark and collateral disputes remained unchanged over the past three months for most counterparty types. One-fifth of respondents indicated a decrease in the duration of such disputes with mutual funds, exchange-traded funds, pension plans, and endowments.

With respect to clients' **use of financial leverage**, on net, dealers indicated little change over the past three months (see the exhibit Use of Financial Leverage) for all classes of counterparties.

With respect to **securities financing transactions**, respondents indicated the following:

- In contrast to the trend over the previous four quarters, one-fifth of dealers, on net, indicated an increase in funding demand for equities (see the exhibit Measures of Demand for Funding and Market Functioning). Demand for funding remained largely unchanged across all other asset classes.
- One-third of dealers, on net, reported a decrease in effective financing rates for equity collateral for their average clients over the past three months, while one-fourth of dealers reported the same for their preferred clients.
- Net fractions of one-fifth to one-fourth of dealers reported a decrease in effective financing rates for non-agency residential mortgage-backed securities, commercial mortgage-backed securities, and consumer asset-backed securities. Funding terms were little changed across other asset classes queried in the survey.
- Dealers, on net, reported no material change in the liquidity and functioning of the market across collateral classes in the past three months.[2]

With regard to **OTC derivatives markets**, responses showed the following:

- Initial margin requirements were basically unchanged, on net, for most types of OTC derivatives transactions. A small net fraction of dealers reported a decrease in initial margin requirements with respect to OTC equity derivatives for most-favored clients.
- Most dealers reported that the volume and duration of mark and collateral disputes have not changed across most OTC derivatives, although a small net fraction of dealers reported a decrease in dispute durations for OTC interest rate derivatives.

Special Questions
(Questions 81-85)

Available indicators of the use of leverage by hedge funds have generally shown an upward trend in recent years but do not cover earlier periods. In the June 2019 SCOOS, dealers were asked to provide a longer-term perspective on the use of financial leverage by hedge funds, comparing current levels of hedge fund leverage to the pre-crisis peak around June 2007 and the post-crisis trough around March 2009 on a seven-point scale.

Dealers were also asked about the changes since June 2007 in the terms under which they fund different types of hedge fund positions and changes in the initial margin requirements applicable to different types of OTC derivatives contracts with hedge fund clients.

With respect to **the current levels of gross leverage employed by different types of hedge fund clients**, respondents reported the following:

- Across the majority of hedge fund strategies, respondents most frequently reported that hedge fund leverage was roughly in the middle between the pre-crisis peak around June 2007 and the post-crisis trough around March 2009. However, there was variation across hedge fund strategies in the distributions of responses around the midpoints.

With respect to the **terms associated with the funding of different types of hedge fund positons**, respondents indicated the following:

- Between one-fourth and one-third of respondents, on net, reported that spreads over relevant benchmarks for funding long–short equity portfolios and high-yield corporate bonds are above June 2007 levels. One-fourth of dealers, on net, also reported increased haircuts for high-yield corporate bond collateral.
- Funding terms for investment-grade corporate bonds, including the maximum amount of funding, maximum maturities, haircuts, and spreads over relevant benchmarks, were reported to be about unchanged, on net, since June 2007.

With respect to **the initial margin requirements for OTC derivatives transactions with hedge fund clients**, respondents showed the following:

- Dealers reported, on net, no notable changes since June 2007 in initial margin requirements on OTC equity, interest rate, or credit derivatives transactions with their hedge fund clients.

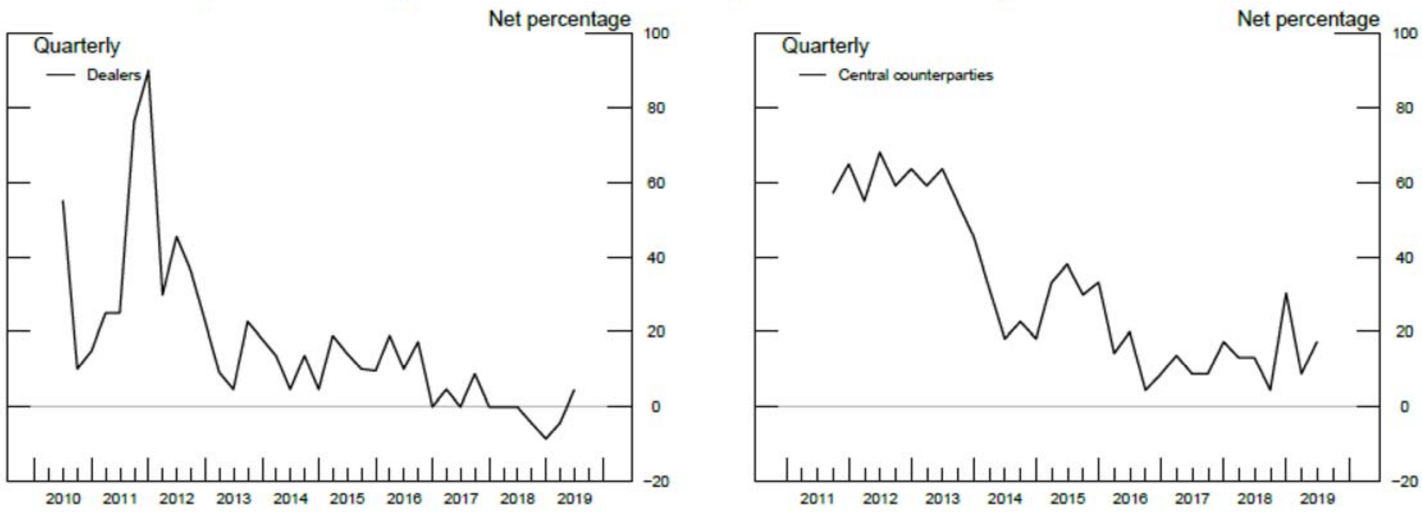
This document was prepared by Lubomir Petrasek, Division of Monetary Affairs, Board of Governors of the Federal Reserve System. Assistance in developing and administering the survey was provided by staff members in the Capital Markets Function, the Statistics Function, and the Markets Group at the Federal Reserve Bank of New York.

1. Question 80, not discussed here, was optional and allowed respondents to provide additional comments. Return to text

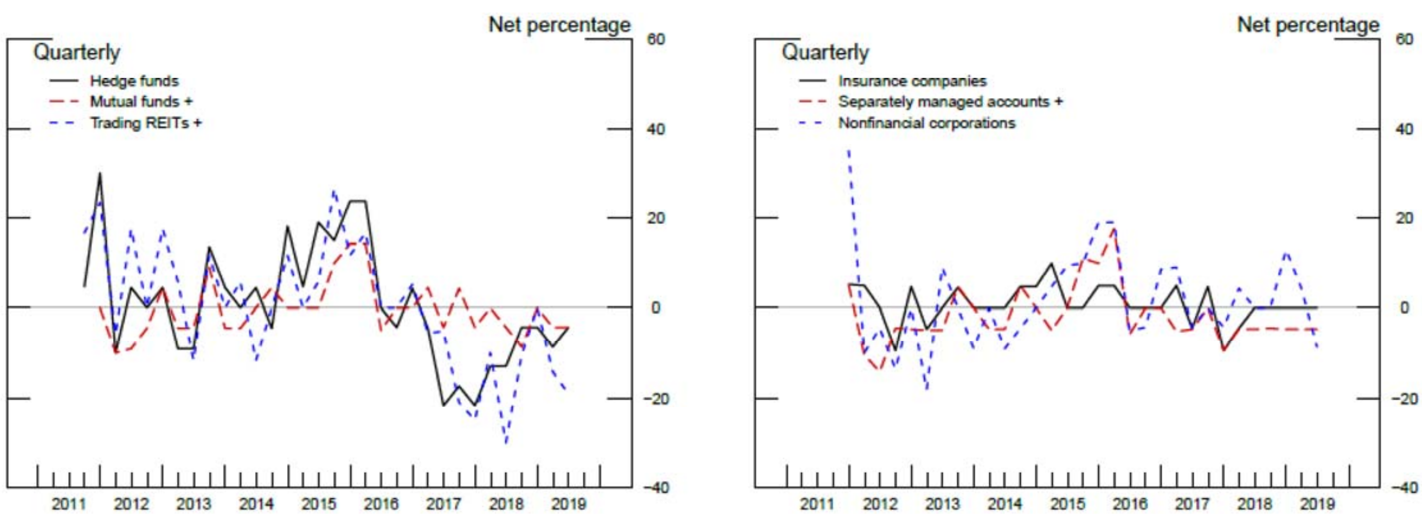
2. Note that survey respondents were instructed to report changes in liquidity and functioning in the market for the underlying collateral to be funded through repurchase agreements and similar secured financing transactions, not changes in the funding markets themselves. This question was not asked with respect to equity markets in the core questions. Return to text

Exhibit 1: Management of Concentrated Credit Exposures and Indicators of Supply of Credit

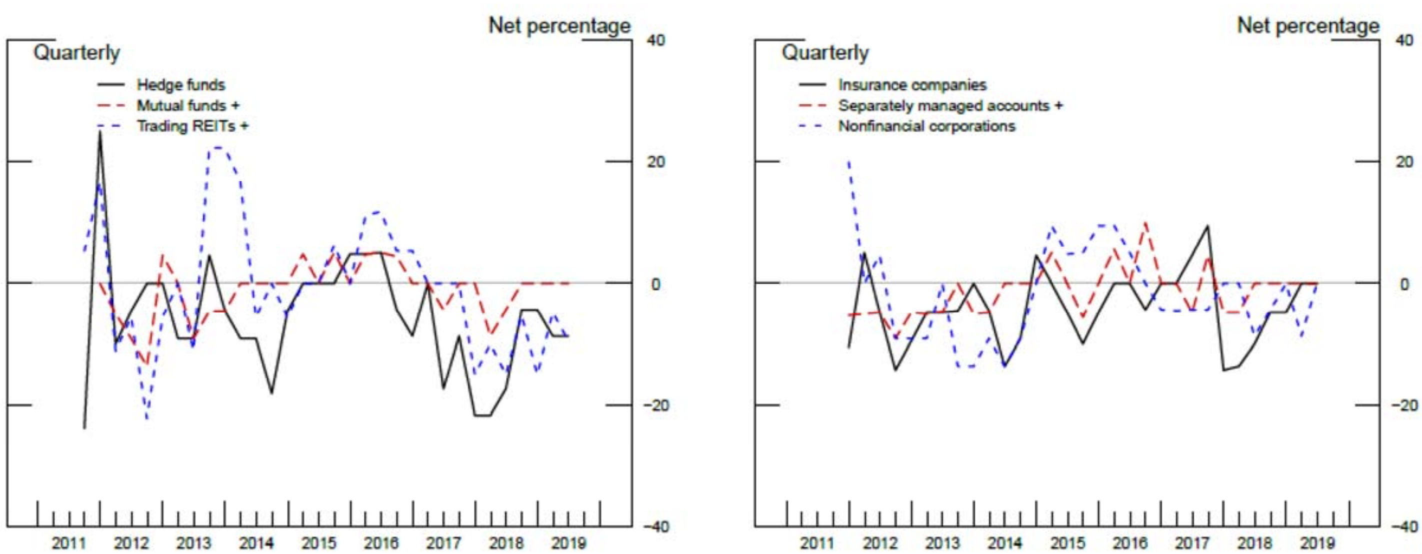
Respondents increasing resources and attention to management of concentrated exposures to the following:



Respondents tightening price terms to the following:



Respondents tightening nonprice terms to the following:



"+" indicates the question was added to the survey in September 2011.

Accessible version

Exhibit 2: Use of Financial Leverage

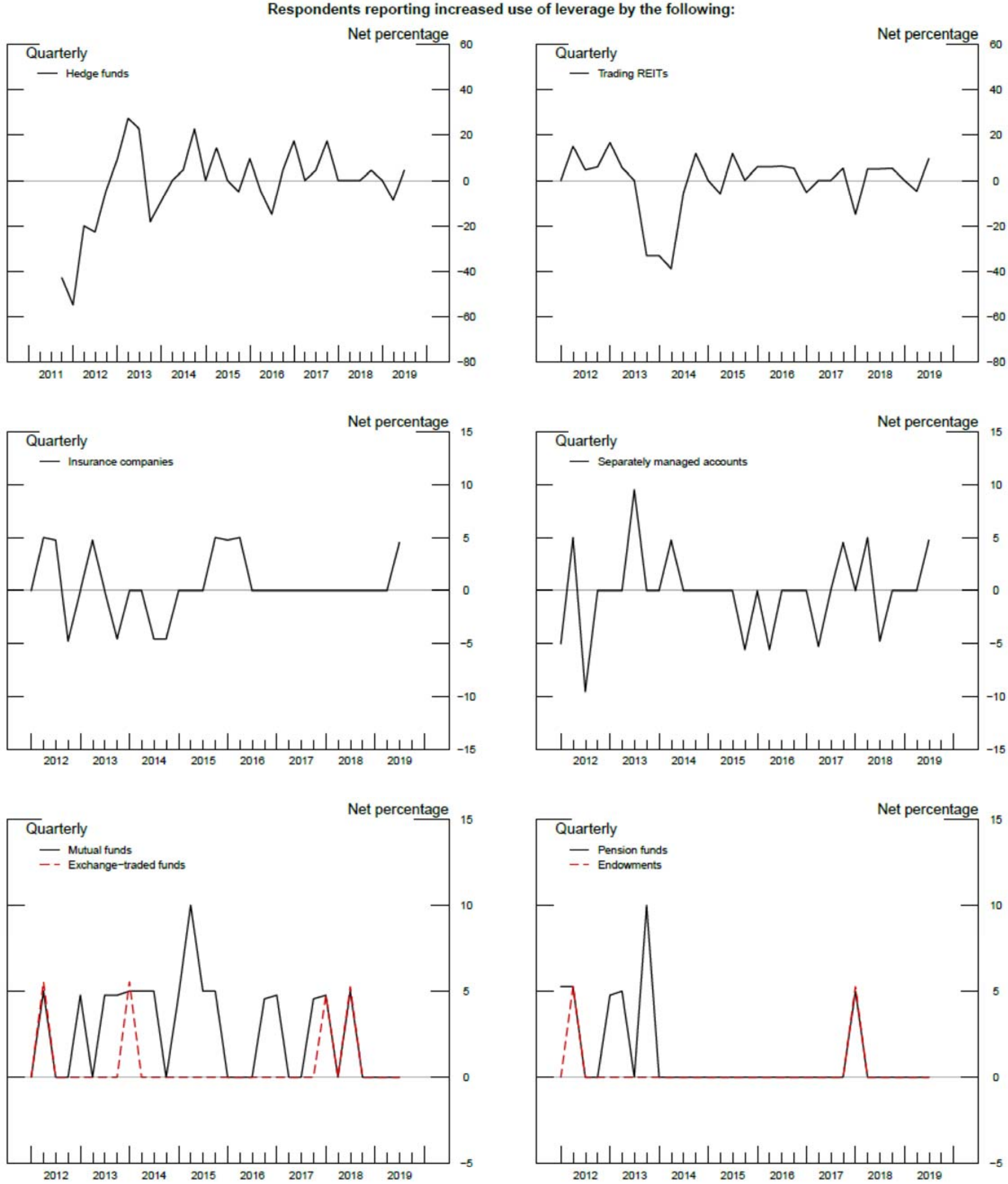


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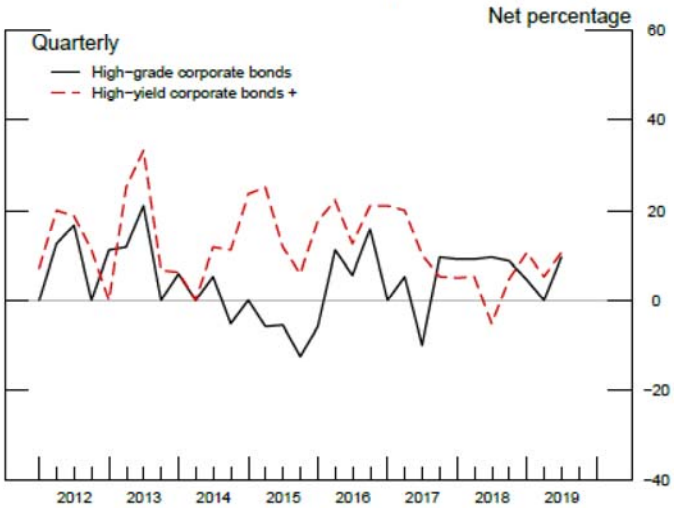
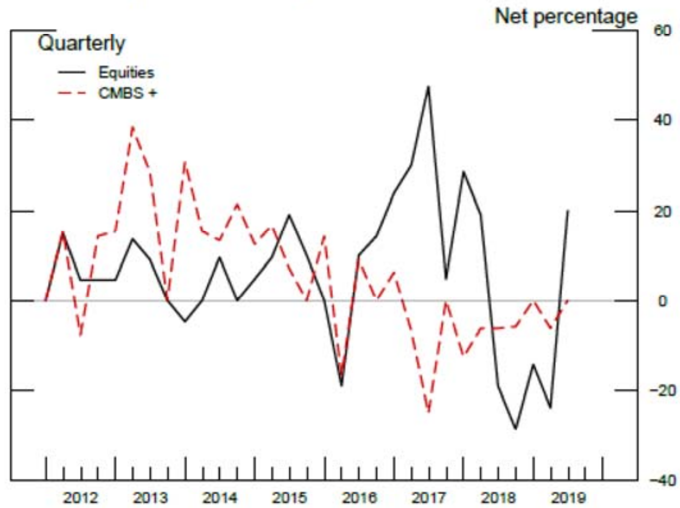
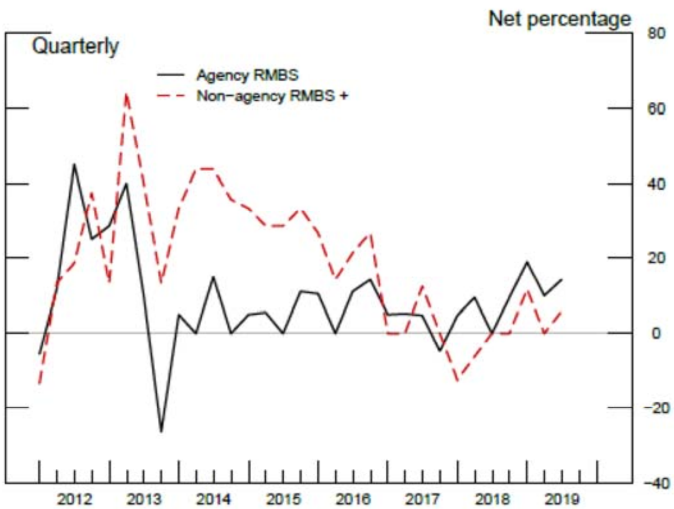
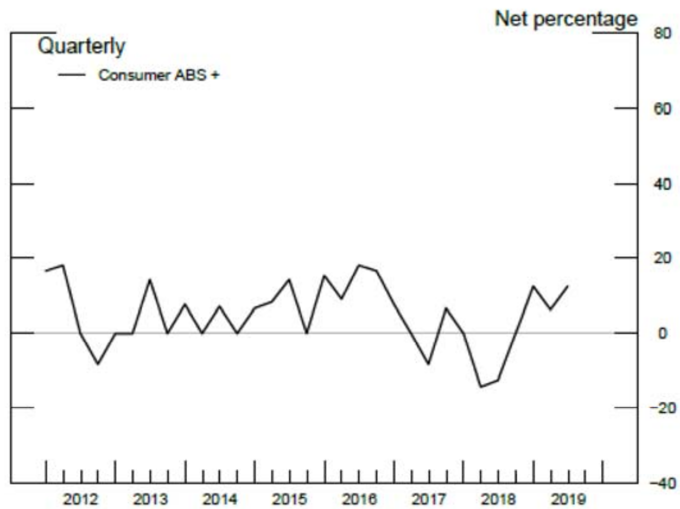
Exhibit 3: Measures of Demand for Funding and Market Functioning

Respondents reporting increased demand for funding of the following:

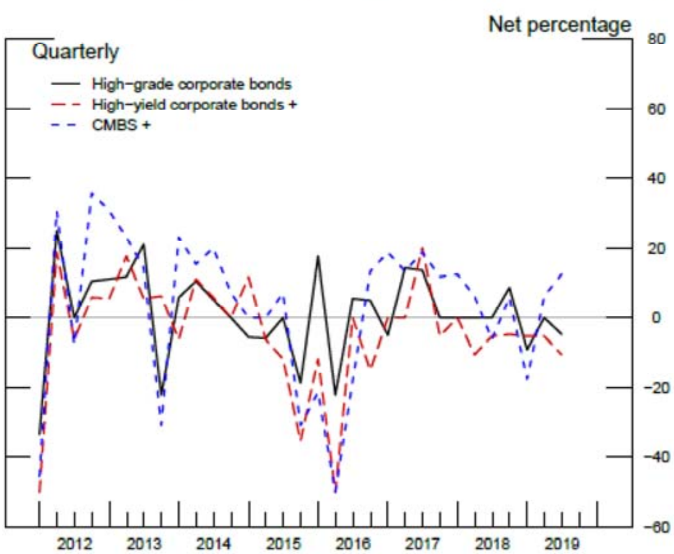


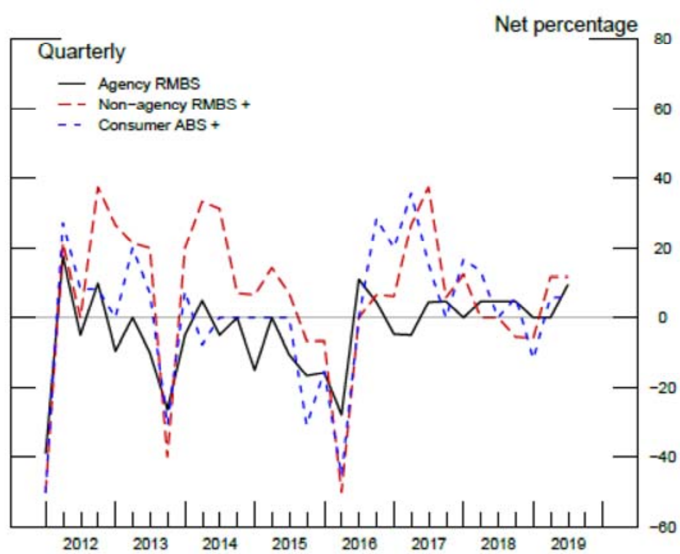






Respondents reporting an improvement in liquidity and functioning in the underlying markets for the following:





"+" indicates the question was added to the survey in September 2011.

Accessible version

Results of the June 2019 Senior Credit Officer Opinion Survey on Dealer Financing Terms

The following results include the original instructions provided to the survey respondents. Please note that percentages are based on the number of financial institutions that gave responses other than "Not applicable." Components may not add to totals due to rounding.

Counterparty Types

Questions 1 through 40 ask about credit terms applicable to, and mark and collateral disputes with, different counterparty types, considering the entire range of securities financing and over-the-counter (OTC) derivatives transactions. Question 1 focuses on dealers and other financial intermediaries as counterparties; questions 2 and 3 on central counterparties and other financial utilities; questions 4 through 10 focus on hedge funds; questions 11 through 16 on trading real estate investment trusts (REITs); questions 17 through 22 on mutual funds, exchange-traded funds (ETFs), pension plans, and endowments; questions 23 through 28 on insurance companies; questions 29 through 34 on separately managed accounts established with investment advisers; and questions 35 through 38 on nonfinancial corporations. Questions 39 and 40 ask about mark and collateral disputes for each of the aforementioned counterparty types.

In some questions, the survey differentiates between the compensation demanded for bearing credit risk (price terms) and the contractual provisions used to mitigate exposures (nonprice terms). If your institution's terms have tightened or eased over the past three months, please so report them regardless of how they stand relative to longer-term norms. Please focus your response on dollar-denominated instruments; if material differences exist with respect to instruments denominated in other currencies, please explain in the appropriate comment space. Where material differences exist across different business areas--for example, between traditional prime brokerage and OTC derivatives--please answer with regard to the business area generating the most exposure and explain in the appropriate comment space.

Dealers and Other Financial Intermediaries

1. Over the past three months, how has the amount of resources and attention your firm devotes to management of concentrated credit exposure to dealers and other financial intermediaries (such as large banking institutions) changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.3
Remained Basically Unchanged	22	95.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

Central Counterparties and Other Financial Utilities

2. Over the past three months, how has the amount of resources and attention your firm devotes to management of concentrated credit exposure to central counterparties and other financial utilities changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	4	17.4
Remained Basically Unchanged	19	82.6
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

3. To what extent have changes in the practices of central counterparties, including margin requirements and haircuts, influenced the credit terms your institution applies to clients on bilateral transactions which are not cleared?

	Number of Respondents	Percent
To A Considerable Extent	0	0.0
To Some Extent	2	8.7

	Number of Respondents	Percent
To A Minimal Extent	7	30.4
Not At All	14	60.9
Total	23	100.0

Hedge Funds

4. Over the past three months, how have the price terms (for example, financing rates) offered to hedge funds as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	4.3
Remained Basically Unchanged	20	87.0
Eased Somewhat	2	8.7
Eased Considerably	0	0.0
Total	23	100.0

5. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to hedge funds across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	4.3
Remained Basically Unchanged	19	82.6
Eased Somewhat	3	13.0
Eased Considerably	0	0.0
Total	23	100.0

6. To the extent that the price or nonprice terms applied to hedge funds have tightened or eased over the past three months (as reflected in your responses to questions 4 and 5), what are the most important reasons for the change?

A. Possible reasons for tightening

1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	1	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	1	100.0

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other (please specify)

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	1	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	1	100.0

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	2	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	2	100.0

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	1	100.0
3rd Most Important	0	0.0
Total	1	100.0

4. Lower internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	0	0.0
3rd Most Important	1	100.0
Total	1	100.0

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	2	66.7
3rd Most Important	1	33.3
Total	3	100.0

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	2	50.0
2nd Most Important	1	25.0
3rd Most Important	1	25.0
Total	4	100.0

8. Other (please specify)

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

7. How has the intensity of efforts by hedge funds to negotiate more-favorable price and nonprice terms changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	5	21.7
Remained Basically Unchanged	17	73.9
Decreased Somewhat	1	4.3
Decreased Considerably	0	0.0
Total	23	100.0

8. Considering the entire range of transactions facilitated by your institution for such clients, how has the use of financial leverage by hedge funds changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.3
Remained Basically Unchanged	22	95.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

9. Considering the entire range of transactions facilitated by your institution for such clients, how has the availability of additional (and currently unutilized) financial leverage under agreements currently in place with hedge funds (for example, under prime broker, warehouse agreements, and other committed but undrawn or partly drawn facilities) changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	8.7
Remained Basically Unchanged	21	91.3
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

10. How has the provision of differential terms by your institution to most-favored (as a function of breadth, duration, and extent of relationship) hedge funds changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.1
Remained Basically Unchanged	20	90.9
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	22	100.0

Trading Real Estate Investment Trusts

11. Over the past three months, how have the price terms (for example, financing rates) offered to trading REITs as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	17	81.0
Eased Somewhat	4	19.0
Eased Considerably	0	0.0
Total	21	100.0

12. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to trading REITs across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	90.5
Eased Somewhat	2	9.5
Eased Considerably	0	0.0
Total	21	100.0

13. To the extent that the price or nonprice terms applied to trading REITs have tightened or eased over the past three months (as reflected in your responses to questions 11 and 12), what are the most important reasons for the change?

A. Possible reasons for tightening

1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined

	Number of Respondents	Percent
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other (please specify)

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	1	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	1	100.0

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Lower internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	0	0.0
3rd Most Important	1	100.0
Total	1	100.0

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	1	100.0
3rd Most Important	0	0.0
Total	1	100.0

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	0.0
2nd Most Important	1	100.0
3rd Most Important	0	0.0
Total	1	100.0

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	4	80.0
2nd Most Important	1	20.0
3rd Most Important	0	0.0
Total	5	100.0

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

14. How has the intensity of efforts by trading REITs to negotiate more-favorable price and nonprice terms changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.5
Remained Basically Unchanged	19	90.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

15. Considering the entire range of transactions facilitated by your institution for such clients, how has the use of financial leverage by trading REITs changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.5
Remained Basically Unchanged	19	90.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

16. How has the provision of differential terms by your institution to most-favored (as a function of breadth, duration, and extent of relationship) trading REITs changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	20	95.2
Decreased Somewhat	1	4.8
Decreased Considerably	0	0.0
Total	21	100.0

Mutual Funds, Exchange-Traded Funds, Pension Plans, and Endowments

17. Over the past three months, how have the price terms (for example, financing rates) offered to mutual funds, ETFs, pension plans, and endowments as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	22	95.7
Eased Somewhat	0	0.0
Eased Considerably	1	4.3
Total	23	100.0

18. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to mutual funds, ETFs, pension plans, and endowments across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	23	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	23	100.0

19. To the extent that the price or nonprice terms applied to mutual funds, ETFs, pension plans, and endowments have tightened or eased over the past three months (as reflected in your responses to questions 17 and 18) what are the most important reasons for the change?

A. Possible reasons for tightening
    1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Lower internal treasury charges for funding

	Number of Respondents	Percent

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	1	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	1	100.0

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

20. How has the intensity of efforts by mutual funds, ETFs, pension plans, and endowments to negotiate more-favorable price and nonprice terms changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	23	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

21. Considering the entire range of transactions facilitated by your institution, how has the use of financial leverage by each of the following types of clients changed over the past three months?

A. Mutual funds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

B. ETFs

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

C. Pension plans

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0

	Number of Respondents	Percent
Total	21	100.0

D. Endowments

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

22. How has the provision of differential terms by your institution to most-favored (as a function of breadth, duration, and extent of relationship) mutual funds, ETFs, pension plans, and endowments changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

Insurance Companies

23. Over the past three months, how have the price terms (for example, financing rates) offered to insurance companies as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	22	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	22	100.0

24. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to insurance companies across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	22	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	22	100.0

25. To the extent that the price or nonprice terms applied to insurance companies have tightened or eased over the past three months (as reflected in your responses to questions 23 and 24) what are the most important reasons for the change?

A. Possible reasons for tightening

1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Lower internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

26. How has the intensity of efforts by insurance companies to negotiate more-favorable price and nonprice terms changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.1
Remained Basically Unchanged	20	90.9
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	22	100.0

27. Considering the entire range of transactions facilitated by your institution for such clients, how has the use of financial leverage by insurance companies changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.5
Remained Basically Unchanged	21	95.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	22	100.0

28. How has the provision of differential terms by your institution to most-favored (as a function of breadth, duration, and extent of relationship) insurance companies changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

Separately Managed Accounts Established with Investment Advisers

29. Over the past three months, how have the price terms (for example, financing rates) offered to separately managed accounts established with investment advisers as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	95.2
Eased Somewhat	1	4.8
Eased Considerably	0	0.0
Total	21	100.0

30. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to separately managed accounts established with investment advisers across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	21	100.0

31. To the extent that the price or nonprice terms applied to separately managed accounts established with investment advisers have tightened or eased over the past three months (as reflected in your responses to questions 29 and 30), what are the most important reasons for the change?

A. Possible reasons for tightening

1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined

	Number of Respondents	Percent
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Lower internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	1	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	1	100.0

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

32. How has the intensity of efforts by investment advisers to negotiate more-favorable price and nonprice terms on behalf of separately managed accounts changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0

	Number of Respondents	Percent
Increased Somewhat	1	4.8
Remained Basically Unchanged	20	95.2
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

33. Considering the entire range of transactions facilitated by your institution for such clients, how has the use of financial leverage by separately managed accounts established with investment advisers changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.8
Remained Basically Unchanged	20	95.2
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

34. How has the provision of differential terms by your institution to separately managed accounts established with most-favored (as a function of breadth, duration, and extent of relationship) investment advisers changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

Nonfinancial Corporations

35. Over the past three months, how have the price terms (for example, financing rates) offered to nonfinancial corporations as reflected across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of nonprice terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	21	91.3
Eased Somewhat	2	8.7
Eased Considerably	0	0.0
Total	23	100.0

36. Over the past three months, how has your use of nonprice terms (for example, haircuts, maximum maturity, covenants, cure periods, cross-default provisions or other documentation features) with respect to nonfinancial corporations across the entire spectrum of securities financing and OTC derivatives transaction types changed, regardless of price terms?

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	23	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	23	100.0

37. To the extent that the price or nonprice terms applied to nonfinancial corporations have tightened or eased over the past three months (as reflected in your responses to questions 35 and 36) what are the most important reasons for the change?

A. Possible reasons for tightening

1. Deterioration in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Reduced willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of more-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Higher internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Diminished availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Worsening in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. Less-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

B. Possible reasons for easing

1. Improvement in current or expected financial strength of counterparties

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

2. Increased willingness of your institution to take on risk

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

3. Adoption of less-stringent market conventions (that is, collateral terms and agreements, ISDA protocols)

	Number of Respondents	Percent

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

4. Lower internal treasury charges for funding

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

5. Increased availability of balance sheet or capital at your institution

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

6. Improvement in general market liquidity and functioning

	Number of Respondents	Percent
Most Important	0	Undefined
2nd Most Important	0	Undefined
3rd Most Important	0	Undefined
Total	0	Undefined

7. More-aggressive competition from other institutions

	Number of Respondents	Percent
Most Important	2	100.0
2nd Most Important	0	0.0
3rd Most Important	0	0.0
Total	2	100.0

8. Other

	Number of Respondents	Percent
Very Important	0	Undefined
Somewhat Important	0	Undefined
Not Important	0	Undefined
Total	0	Undefined

38. How has the intensity of efforts by nonfinancial corporations to negotiate more-favorable price and nonprice terms changed over the past three months?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	5	21.7
Remained Basically Unchanged	18	78.3
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

Mark and Collateral Disputes

39. Over the past three months, how has the volume of mark and collateral disputes with clients of each of the following types changed?

A. Dealers and other financial intermediaries

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	8.7
Remained Basically Unchanged	19	82.6
Decreased Somewhat	2	8.7
Decreased Considerably	0	0.0
Total	23	100.0

B. Hedge funds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.3
Remained Basically Unchanged	22	95.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0

	Number of Respondents	Percent
Total	23	100.0

C. Trading REITs

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.3
Remained Basically Unchanged	18	94.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

D. Mutual funds, ETFs, pension plans, and endowments

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.8
Remained Basically Unchanged	18	85.7
Decreased Somewhat	2	9.5
Decreased Considerably	0	0.0
Total	21	100.0

E. Insurance companies

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.1
Remained Basically Unchanged	20	90.9
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	22	100.0

F. Separately managed accounts established with investment advisers

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	20	100.0

G. Nonfinancial corporations

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.5
Remained Basically Unchanged	21	95.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	22	100.0

40. Over the past three months, how has the duration and persistence of mark and collateral disputes with clients of each of the following types changed?

A. Dealers and other financial intermediaries

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	8.7
Remained Basically Unchanged	18	78.3
Decreased Somewhat	3	13.0
Decreased Considerably	0	0.0
Total	23	100.0

B. Hedge funds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.3
Remained Basically Unchanged	21	91.3
Decreased Somewhat	1	4.3
Decreased Considerably	0	0.0
Total	23	100.0

C. Trading REITs

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Decreased Somewhat	1	5.3
Decreased Considerably	0	0.0
Total	19	100.0

D. Mutual funds, ETFs, pension plans, and endowments

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	17	81.0
Decreased Somewhat	4	19.0
Decreased Considerably	0	0.0
Total	21	100.0

E. Insurance companies

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.5
Remained Basically Unchanged	19	86.4
Decreased Somewhat	2	9.1
Decreased Considerably	0	0.0
Total	22	100.0

F. Separately managed accounts established with investment advisers

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	18	90.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

G. Nonfinancial corporations

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	95.5
Decreased Somewhat	1	4.5
Decreased Considerably	0	0.0
Total	22	100.0

Over-the-Counter Derivatives

Questions 41 through 51 ask about OTC derivatives trades. Question 41 focuses on nonprice terms applicable to new and renegotiated master agreements. Questions 42 through 48 ask about the initial margin requirements for most-favored and average clients applicable to different types of contracts: Question 42 focuses on foreign exchange (FX); question 43 on interest rates; question 44 on equity; question 45 on contracts referencing corporate credits (single-name and indexes); question 46 on credit derivatives referencing structured products such as mortgage-backed securities (MBS) and asset-backed securities (ABS) (specific tranches and indexes); question 47 on commodities; and question 48 on total return swaps (TRS) referencing nonsecurities (such as bank loans, including, for example, commercial and industrial loans and mortgage whole loans). Question 49 asks about posting of nonstandard collateral pursuant to OTC derivatives contracts. Questions 50 and 51 focus on mark and collateral disputes involving contracts of each of the aforementioned types.

If your institution’s terms have tightened or eased over the past three months, please so report them regardless of how they stand relative to longer-term norms. Please focus your response on dollar-denominated instruments; if material differences exist with respect to instruments denominated in other currencies, please explain in the appropriate comment space.

New and Renegotiated Master Agreements

41. Over the past three months, how have nonprice terms incorporated in new or renegotiated OTC derivatives master agreements put in place with your institution's client changed?

A. Requirements, timelines, and thresholds for posting additional margin

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.0
Remained Basically Unchanged	18	90.0
Eased Somewhat	1	5.0
Eased Considerably	0	0.0
Total	20	100.0

B. Acceptable collateral

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.3

	Number of Respondents	Percent
Remained Basically Unchanged	18	94.7
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	19	100.0

C. Recognition of portfolio or diversification benefits (including from securities financing trades where appropriate agreements are in place)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	18	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	18	100.0

D. Triggers and covenants

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	1	5.0
Eased Considerably	0	0.0
Total	20	100.0

E. Other documentation features (including cure periods and cross-default provisions)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	1	5.0
Eased Considerably	0	0.0
Total	20	100.0

F. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

Initial Margin

42. Over the past three months, how have initial margin requirements set by your institution with respect to OTC FX derivatives changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

43. Over the past three months, how have initial margin requirements set by your institution with respect to OTC interest rate derivatives changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0

	Number of Respondents	Percent
Total	20	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	20	100.0

44. Over the past three months, how have initial margin requirements set by your institution with respect to OTC equity derivatives changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	17	89.5
Decreased Somewhat	2	10.5
Decreased Considerably	0	0.0
Total	19	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	84.2
Decreased Somewhat	3	15.8
Decreased Considerably	0	0.0
Total	19	100.0

45. Over the past three months, how have initial margin requirements set by your institution with respect to OTC credit derivatives referencing corporates (single-name corporates or corporate indexes) changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	94.1
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	94.1
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

46. Over the past three months, how have initial margin requirements set by your institution with respect to OTC credit derivatives referencing securitized products (such as specific ABS or MBS tranches and associated indexes) changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	13	92.9
Decreased Somewhat	1	7.1
Decreased Considerably	0	0.0
Total	14	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	12	85.7
Decreased Somewhat	2	14.3
Decreased Considerably	0	0.0
Total	14	100.0

47. Over the past three months, how have initial margin requirements set by your institution with respect to OTC commodity derivatives changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.9
Remained Basically Unchanged	14	82.4
Decreased Somewhat	1	5.9
Decreased Considerably	1	5.9
Total	17	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.9
Remained Basically Unchanged	13	76.5
Decreased Somewhat	2	11.8
Decreased Considerably	1	5.9
Total	17	100.0

48. Over the past three months, how have initial margin requirements set by your institution with respect to TRS referencing nonsecurities (such as bank loans, including, for example, commercial and industrial loans and mortgage whole loans) changed?

A. Initial margin requirements for average clients

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	94.1
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

B. Initial margin requirements for most-favored clients, as a consequence of breadth, duration, and/or extent of relationship

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	15	88.2
Decreased Somewhat	2	11.8
Decreased Considerably	0	0.0
Total	17	100.0

Nonstandard Collateral

49. Over the past three months, how has the posting of nonstandard collateral (that is, other than cash and U.S. Treasury securities) as permitted under relevant agreements changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	23	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	23	100.0

Mark and Collateral Disputes

50. Over the past three months, how has the volume of mark and collateral disputes relating to contracts of each of the following types changed?

A. FX

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	3	15.0
Remained Basically Unchanged	16	80.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

B. Interest rate

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	17	85.0
Decreased Somewhat	2	10.0
Decreased Considerably	0	0.0
Total	20	100.0

C. Equity

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	11.1
Remained Basically Unchanged	16	88.9
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	18	100.0

D. Credit referencing corporates

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	20	100.0

E. Credit referencing securitized products including MBS and ABS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.3
Remained Basically Unchanged	18	94.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

F. Commodity

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	11.8
Remained Basically Unchanged	14	82.4
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

G. TRS referencing nonsecurities (such as bank loans, including, for example, commercial and industrial loans and mortgage whole loans)

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.9
Remained Basically Unchanged	15	88.2
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

51. Over the past three months, how has the duration and persistence of mark and collateral disputes relating to contracts of each of the following types changed?

A. FX

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	18	90.0
Decreased Somewhat	2	10.0
Decreased Considerably	0	0.0
Total	20	100.0

B. Interest rate

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	17	85.0
Decreased Somewhat	3	15.0
Decreased Considerably	0	0.0
Total	20	100.0

C. Equity

	Number of Respondents	Percent
Increased Considerably	0	0.0

	Number of Respondents	Percent
Increased Somewhat	1	5.6
Remained Basically Unchanged	16	88.9
Decreased Somewhat	1	5.6
Decreased Considerably	0	0.0
Total	18	100.0

D. Credit referencing corporates

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

E. Credit referencing securitized products including MBS and ABS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Decreased Somewhat	1	5.3
Decreased Considerably	0	0.0
Total	19	100.0

F. Commodity

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.9
Remained Basically Unchanged	14	82.4
Decreased Somewhat	2	11.8
Decreased Considerably	0	0.0
Total	17	100.0

G. TRS referencing nonsecurities (such as bank loans, including, for example, commercial and industrial loans and mortgage whole loans)

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	94.1
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

Securities Financing

Questions 52 through 79 ask about securities funding at your institution--that is, lending to clients collateralized by securities. Such activities may be conducted on a "repo" desk, on a trading desk engaged in facilitation for institutional clients and/or proprietary transactions, on a funding desk, or on a prime brokerage platform. Questions 52 through 55 focus on lending against high-grade corporate bonds; questions 56 through 59 on lending against high-yield corporate bonds; questions 60 and 61 on lending against equities (including through stock loan); questions 62 through 65 on lending against agency residential mortgage-backed securities (agency RMBS); questions 66 through 69 on lending against non-agency residential mortgage-backed securities (non-agency RMBS); questions 70 through 73 on lending against commercial mortgage-backed securities (CMBS); and questions 74 through 77 on consumer ABS (for example, backed by credit card receivables or auto loans). Questions 78 and 79 ask about mark and collateral disputes for lending backed by each of the aforementioned contract types.

If your institution's terms have tightened or eased over the past three months, please so report them regardless of how they stand relative to longer-term norms. Please focus your response on dollar-denominated instruments; if material differences exist with respect to instruments denominated in other currencies, please explain in the appropriate comment space.

High-Grade Corporate Bonds

52. Over the past three months, how have the terms under which high-grade corporate bonds are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	21	100.0

	Number of Respondents	Percent
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	21	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	95.2
Eased Somewhat	1	4.8
Eased Considerably	0	0.0
Total	21	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	20	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	9.5
Remained Basically Unchanged	16	76.2
Eased Somewhat	3	14.3
Eased Considerably	0	0.0
Total	21	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	95.2
Eased Somewhat	1	4.8
Eased Considerably	0	0.0
Total	21	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	21	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	21	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	20	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	9.5
Remained Basically Unchanged	16	76.2
Eased Somewhat	3	14.3
Eased Considerably	0	0.0
Total	21	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

53. Over the past three months, how has demand for funding of high-grade corporate bonds by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	9.5
Remained Basically Unchanged	19	90.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

54. Over the past three months, how has demand for term funding with a maturity greater than 30 days of high-grade corporate bonds by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.8
Remained Basically Unchanged	19	90.5
Decreased Somewhat	1	4.8
Decreased Considerably	0	0.0
Total	21	100.0

55. Over the past three months, how have liquidity and functioning in the high-grade corporate bond market changed?

	Number of Respondents	Percent
Improved Considerably	1	4.8
Improved Somewhat	0	0.0
Remained Basically Unchanged	18	85.7
Deteriorated Somewhat	2	9.5
Deteriorated Considerably	0	0.0
Total	21	100.0

High-Yield Corporate Bonds

56. Over the past three months, how have the terms under which high-yield corporate bonds are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	18	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	18	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	16	88.9
Eased Somewhat	2	11.1

	Number of Respondents	Percent
Eased Considerably	0	0.0
Total	18	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.6
Remained Basically Unchanged	16	88.9
Eased Somewhat	1	5.6
Eased Considerably	0	0.0
Total	18	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	11.1
Remained Basically Unchanged	14	77.8
Eased Somewhat	2	11.1
Eased Considerably	0	0.0
Total	18	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	17	94.4
Eased Somewhat	1	5.6
Eased Considerably	0	0.0
Total	18	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	17	94.4
Eased Somewhat	1	5.6
Eased Considerably	0	0.0
Total	18	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	17	94.4
Eased Somewhat	1	5.6
Eased Considerably	0	0.0
Total	18	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	11.1
Remained Basically Unchanged	14	77.8
Eased Somewhat	2	11.1
Eased Considerably	0	0.0
Total	18	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

57. Over the past three months, how has demand for funding of high-yield corporate bonds by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	10.5
Remained Basically Unchanged	17	89.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

58. Over the past three months, how has demand for term funding with a maturity greater than 30 days of high-yield corporate bonds by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	10.5
Remained Basically Unchanged	17	89.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

59. Over the past three months, how have liquidity and functioning in the high-yield corporate bond market changed?

	Number of Respondents	Percent
Improved Considerably	0	0.0
Improved Somewhat	0	0.0
Remained Basically Unchanged	17	89.5
Deteriorated Somewhat	2	10.5
Deteriorated Considerably	0	0.0
Total	19	100.0

Equities (Including through Stock Loan)

60. Over the past three months, how have the terms under which equities are funded (including through stock loan) changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	17	89.5
Eased Somewhat	2	10.5
Eased Considerably	0	0.0
Total	19	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Eased Somewhat	1	5.3
Eased Considerably	0	0.0
Total	19	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Eased Somewhat	1	5.3
Eased Considerably	0	0.0
Total	19	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	13	68.4
Eased Somewhat	6	31.6
Eased Considerably	0	0.0
Total	19	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	16	84.2
Eased Somewhat	3	15.8
Eased Considerably	0	0.0
Total	19	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	19	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Eased Somewhat	1	5.3
Eased Considerably	0	0.0
Total	19	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.3
Remained Basically Unchanged	12	63.2
Eased Somewhat	6	31.6
Eased Considerably	0	0.0
Total	19	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

61. Over the past three months, how has demand for funding of equities (including through stock loan) by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	5	25.0
Remained Basically Unchanged	14	70.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

62. Over the past three months, how have the terms under which agency RMBS are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	20	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	1	5.0
Eased Considerably	0	0.0
Total	20	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	20	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.0
Remained Basically Unchanged	15	75.0
Eased Somewhat	2	10.0
Eased Considerably	0	0.0
Total	20	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	20	100.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0
Total	20	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	1	5.0
Eased Considerably	0	0.0
Total	20	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Eased Somewhat	0	0.0
Eased Considerably	0	0.0

	Number of Respondents	Percent
Total	20	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.0
Remained Basically Unchanged	15	75.0
Eased Somewhat	2	10.0
Eased Considerably	0	0.0
Total	20	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	Undefined
Tightened Somewhat	0	Undefined
Remained Basically Unchanged	0	Undefined
Eased Somewhat	0	Undefined
Eased Considerably	0	Undefined
Total	0	Undefined

63. Over the past three months, how has demand for funding of agency RMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	3	14.3
Remained Basically Unchanged	18	85.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

64. Over the past three months, how has demand for term funding with a maturity greater than 30 days of agency RMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	4.8
Remained Basically Unchanged	20	95.2
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	21	100.0

65. Over the past three months, how have liquidity and functioning in the agency RMBS market changed?

	Number of Respondents	Percent
Improved Considerably	0	0.0
Improved Somewhat	2	9.5
Remained Basically Unchanged	19	90.5
Deteriorated Somewhat	0	0.0
Deteriorated Considerably	0	0.0
Total	21	100.0

Non-Agency Residential Mortgage-Backed Securities

66. Over the past three months, how have the terms under which non-agency RMBS are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0

	Number of Respondents	Percent
Remained Basically Unchanged	15	93.8
Eased Somewhat	1	6.3
Eased Considerably	0	0.0
Total	16	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	87.5
Eased Somewhat	2	12.5
Eased Considerably	0	0.0
Total	16	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.3
Remained Basically Unchanged	13	81.3
Eased Somewhat	2	12.5
Eased Considerably	0	0.0
Total	16	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.3
Remained Basically Unchanged	10	62.5
Eased Somewhat	5	31.3
Eased Considerably	0	0.0
Total	16	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	15	93.8
Eased Somewhat	1	6.3
Eased Considerably	0	0.0
Total	16	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	87.5
Eased Somewhat	2	12.5
Eased Considerably	0	0.0
Total	16	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.3
Remained Basically Unchanged	13	81.3
Eased Somewhat	1	6.3
Eased Considerably	1	6.3
Total	16	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.3
Remained Basically Unchanged	10	62.5
Eased Somewhat	4	25.0
Eased Considerably	1	6.3
Total	16	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

67. Over the past three months, how has demand for funding of non-agency RMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.9
Remained Basically Unchanged	16	94.1
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	17	100.0

68. Over the past three months, how has demand for term funding with a maturity greater than 30 days of non-agency RMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	11.8
Remained Basically Unchanged	14	82.4
Decreased Somewhat	1	5.9
Decreased Considerably	0	0.0
Total	17	100.0

69. Over the past three months, how have liquidity and functioning in the non-agency RMBS market changed?

	Number of Respondents	Percent
Improved Considerably	0	0.0
Improved Somewhat	2	11.8
Remained Basically Unchanged	15	88.2
Deteriorated Somewhat	0	0.0
Deteriorated Considerably	0	0.0
Total	17	100.0

Commercial Mortgage-Backed Securities

70. Over the past three months, how have the terms under which CMBS are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Eased Somewhat	1	6.7
Eased Considerably	0	0.0
Total	15	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Eased Somewhat	1	6.7

	Number of Respondents	Percent
Eased Considerably	0	0.0
Total	15	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	12	80.0
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	10	66.7
Eased Somewhat	4	26.7
Eased Considerably	0	0.0
Total	15	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	13	86.7
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Eased Somewhat	1	6.7
Eased Considerably	0	0.0
Total	15	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	12	80.0
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	10	66.7
Eased Somewhat	4	26.7
Eased Considerably	0	0.0
Total	15	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

71. Over the past three months, how has demand for funding of CMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	16	100.0

72. Over the past three months, how has demand for term funding with a maturity greater than 30 days of CMBS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	16	100.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	16	100.0

73. Over the past three months, how have liquidity and functioning in the CMBS market changed?

	Number of Respondents	Percent
Improved Considerably	0	0.0
Improved Somewhat	2	12.5
Remained Basically Unchanged	14	87.5
Deteriorated Somewhat	0	0.0
Deteriorated Considerably	0	0.0
Total	16	100.0

Consumer Asset-Backed Securities

74. Over the past three months, how have the terms under which consumer ABS (for example, backed by credit card receivables or auto loans) are funded changed?

A. Terms for average clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Eased Somewhat	1	6.7
Eased Considerably	0	0.0
Total	15	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	13	86.7
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	12	80.0
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	10	66.7
Eased Somewhat	4	26.7
Eased Considerably	0	0.0
Total	15	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

B. Terms for most-favored clients, as a consequence of breadth, duration and/or extent of relationship

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Eased Somewhat	1	6.7
Eased Considerably	0	0.0
Total	15	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	13	86.7
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	12	80.0
Eased Somewhat	2	13.3
Eased Considerably	0	0.0
Total	15	100.0

4. Collateral spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	1	6.7
Remained Basically Unchanged	10	66.7
Eased Somewhat	4	26.7
Eased Considerably	0	0.0
Total	15	100.0

5. Other

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	0	0.0
Remained Basically Unchanged	0	0.0
Eased Somewhat	1	100.0
Eased Considerably	0	0.0
Total	1	100.0

75. Over the past three months, how has demand for funding of consumer ABS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	2	12.5
Remained Basically Unchanged	14	87.5
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	16	100.0

76. Over the past three months, how has demand for term funding with a maturity greater than 30 days of consumer ABS by your institution's clients changed?

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	6.3
Remained Basically Unchanged	14	87.5
Decreased Somewhat	1	6.3
Decreased Considerably	0	0.0
Total	16	100.0

77. Over the past three months, how have liquidity and functioning in the consumer ABS market changed?

	Number of Respondents	Percent
Improved Considerably	0	0.0
Improved Somewhat	1	5.9
Remained Basically Unchanged	16	94.1
Deteriorated Somewhat	0	0.0
Deteriorated Considerably	0	0.0
Total	17	100.0

Mark and Collateral Disputes

78. Over the past three months, how has the volume of mark and collateral disputes relating to lending against each of the following collateral types changed?

A. High-grade corporate bonds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	20	100.0

B. High-yield corporate bonds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.3
Remained Basically Unchanged	18	94.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

C. Equities

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.3
Remained Basically Unchanged	18	94.7
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	19	100.0

D. Agency RMBS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	5.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	20	100.0

E. Non-agency RMBS

	Number of Respondents	Percent

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	6.7
Remained Basically Unchanged	14	93.3
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	15	100.0

F. CMBS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	6.7
Remained Basically Unchanged	14	93.3
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	15	100.0

G. Consumer ABS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	1	6.7
Remained Basically Unchanged	14	93.3
Decreased Somewhat	0	0.0
Decreased Considerably	0	0.0
Total	15	100.0

79. Over the past three months, how has the duration and persistence of mark and collateral disputes relating to lending against each of the following collateral types changed?

A. High-grade corporate bonds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

B. High-yield corporate bonds

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Decreased Somewhat	1	5.3
Decreased Considerably	0	0.0
Total	19	100.0

C. Equities

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	18	94.7
Decreased Somewhat	1	5.3
Decreased Considerably	0	0.0
Total	19	100.0

D. Agency RMBS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	19	95.0
Decreased Somewhat	1	5.0
Decreased Considerably	0	0.0
Total	20	100.0

E. Non-agency RMBS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Decreased Somewhat	1	6.7
Decreased Considerably	0	0.0
Total	15	100.0

F. CMBS

	Number of Respondents	Percent
Increased Considerably	0	0.0

	Number of Respondents	Percent
Increased Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Decreased Somewhat	1	6.7
Decreased Considerably	0	0.0
Total	15	100.0

G. Consumer ABS

	Number of Respondents	Percent
Increased Considerably	0	0.0
Increased Somewhat	0	0.0
Remained Basically Unchanged	14	93.3
Decreased Somewhat	1	6.7
Decreased Considerably	0	0.0
Total	15	100.0

Optional Question

Question 80 requests feedback on any other issues you judge to be important relating to credit terms applicable to securities financing transactions and OTC derivatives contracts.

Special Questions on Use of Financial Leverage by Hedge Funds

Available indicators of the use of leverage by hedge funds have generally shown an upward trend in recent years but do not cover earlier periods. In these special questions, we seek a longer-term perspective on the use of financial leverage by hedge funds. Question 81 asks about the current levels of gross financial leverage employed by different types of hedge fund clients relative to the pre-crisis peak around June 2007 and the post-crisis trough around March 2009. Questions 82–84 ask about the changes since June 2007 in the terms under which different types of hedge fund positions are funded by your institution. Question 85 asks about the changes since June 2007 in initial margin requirements applicable to different types of OTC derivatives contracts with hedge fund clients.

81. How would you characterize the current levels of gross leverage employed by different types of hedge fund clients relative to the pre-crisis peak around June 2007 and the post-crisis trough around March 2009?

A. Most-favored hedge funds (as a consequence of breadth, duration, and/or extent of the relationship)

1. Equity-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	2	10.5
Near June 2007 Level	1	5.3
Moderately Below June 2007 Level	4	21.1
Roughly In The Middle Between June 2007 And March 2009 Level	5	26.3
Moderately Above March 2009 Level	7	36.8
Near The March 2009 Level	0	0.0
At Or Below March 2009 Level	0	0.0
Total	19	100.0

2. Macro-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	0	0.0
Near June 2007 Level	1	5.0
Moderately Below June 2007 Level	6	30.0
Roughly In The Middle Between June 2007 And March 2009 Level	7	35.0
Moderately Above March 2009 Level	5	25.0
Near The March 2009 Level	1	5.0
At Or Below March 2009 Level	0	0.0
Total	20	100.0

3. Credit-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	0	0.0
Near June 2007 Level	1	5.3
Moderately Below June 2007 Level	3	15.8
Roughly In The Middle Between June 2007 And March 2009 Level	8	42.1
Moderately Above March 2009 Level	4	21.1
Near The March 2009 Level	1	5.3
At Or Below March 2009 Level	2	10.5
Total	19	100.0

4. Convertible-bond arbitrage funds

	Number of Respondents	Percent
At Or Above June 2007	1	5.9

	Number of Respondents	Percent
Near June 2007 Level	2	11.8
Moderately Below June 2007 Level	1	5.9
Roughly In The Middle Between June 2007 And March 2009 Level	8	47.1
Moderately Above March 2009 Level	3	17.6
Near The March 2009 Level	2	11.8
At Or Below March 2009 Level	0	0.0
Total	17	100.0

5. Other fixed-income relative value funds

	Number of Respondents	Percent
At Or Above June 2007	2	11.1
Near June 2007 Level	0	0.0
Moderately Below June 2007 Level	6	33.3
Roughly In The Middle Between June 2007 And March 2009 Level	7	38.9
Moderately Above March 2009 Level	3	16.7
Near The March 2009 Level	0	0.0
At Or Below March 2009 Level	0	0.0
Total	18	100.0

B. Other hedge funds

1. Equity-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	1	5.3
Near June 2007 Level	2	10.5
Moderately Below June 2007 Level	4	21.1
Roughly In The Middle Between June 2007 And March 2009 Level	5	26.3
Moderately Above March 2009 Level	7	36.8
Near The March 2009 Level	0	0.0
At Or Below March 2009 Level	0	0.0
Total	19	100.0

2. Macro-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	0	0.0
Near June 2007 Level	1	5.0
Moderately Below June 2007 Level	5	25.0
Roughly In The Middle Between June 2007 And March 2009 Level	8	40.0
Moderately Above March 2009 Level	5	25.0
Near The March 2009 Level	1	5.0
At Or Below March 2009 Level	0	0.0
Total	20	100.0

3. Credit-oriented funds

	Number of Respondents	Percent
At Or Above June 2007	0	0.0
Near June 2007 Level	1	5.3
Moderately Below June 2007 Level	4	21.1
Roughly In The Middle Between June 2007 And March 2009 Level	8	42.1
Moderately Above March 2009 Level	4	21.1
Near The March 2009 Level	1	5.3
At Or Below March 2009 Level	1	5.3
Total	19	100.0

4. Convertible-bond arbitrage funds

	Number of Respondents	Percent
At Or Above June 2007	1	5.9
Near June 2007 Level	2	11.8
Moderately Below June 2007 Level	1	5.9
Roughly In The Middle Between June 2007 And March 2009 Level	8	47.1
Moderately Above March 2009 Level	3	17.6
Near The March 2009 Level	2	11.8
At Or Below March 2009 Level	0	0.0
Total	17	100.0

5. Other fixed-income relative value funds

	Number of Respondents	Percent
At Or Above June 2007	1	5.6
Near June 2007 Level	1	5.6
Moderately Below June 2007 Level	5	27.8
Roughly In The Middle Between June 2007 And March 2009 Level	7	38.9
Moderately Above March 2009 Level	4	22.2
Near The March 2009 Level	0	0.0
At Or Below March 2009 Level	0	0.0
Total	18	100.0

82. Since June 2007, how have the terms under which long–short equity portfolios are funded by your institution changed for hedge fund clients?

A. Terms for most-favored hedge fund clients (as a consequence of breadth, duration, and/or extent of the relationship)

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	5	27.8
Remained Basically Unchanged	8	44.4
Eased Somewhat	5	27.8
Eased Considerably	0	0.0
Total	18	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	4	22.2
Remained Basically Unchanged	9	50.0
Eased Somewhat	5	27.8
Eased Considerably	0	0.0
Total	18	100.0

3. Margin requirements

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	16.7
Remained Basically Unchanged	14	77.8
Eased Somewhat	1	5.6
Eased Considerably	0	0.0
Total	18	100.0

4. Funding spreads over relevant benchmark (effective financing rates)
5. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	1	5.9
Tightened Somewhat	6	35.3
Remained Basically Unchanged	7	41.2
Eased Somewhat	2	11.8
Eased Considerably	1	5.9
Total	17	100.0

B. Terms for other hedge fund clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	5	26.3
Remained Basically Unchanged	10	52.6
Eased Somewhat	4	21.1
Eased Considerably	0	0.0
Total	19	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	5	26.3
Remained Basically Unchanged	9	47.4
Eased Somewhat	5	26.3
Eased Considerably	0	0.0
Total	19	100.0

3. Margin requirements

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.8
Remained Basically Unchanged	15	78.9
Eased Somewhat	1	5.3
Eased Considerably	0	0.0
Total	19	100.0

4. Funding spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	1	5.6
Tightened Somewhat	6	33.3
Remained Basically Unchanged	9	50.0
Eased Somewhat	2	11.1
Eased Considerably	0	0.0
Total	18	100.0

83. Since June 2007, how have the terms under which high-grade corporate bonds are funded by your institution changed for hedge fund clients?

A. Terms for most-favored hedge fund clients (as a consequence of breadth, duration, and/or extent of the relationship)

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	10.0
Remained Basically Unchanged	15	75.0
Eased Somewhat	2	10.0
Eased Considerably	1	5.0
Total	20	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	4	20.0
Remained Basically Unchanged	12	60.0
Eased Somewhat	4	20.0
Eased Considerably	0	0.0
Total	20	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.0
Remained Basically Unchanged	15	75.0
Eased Somewhat	1	5.0
Eased Considerably	1	5.0
Total	20	100.0

4. Funding spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	1	5.0
Tightened Somewhat	4	20.0
Remained Basically Unchanged	13	65.0
Eased Somewhat	2	10.0
Eased Considerably	0	0.0
Total	20	100.0

B. Terms for other hedge fund clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.0
Remained Basically Unchanged	14	70.0
Eased Somewhat	3	15.0
Eased Considerably	0	0.0
Total	20	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	4	20.0
Remained Basically Unchanged	12	60.0
Eased Somewhat	4	20.0
Eased Considerably	0	0.0
Total	20	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	15.0
Remained Basically Unchanged	15	75.0
Eased Somewhat	2	10.0
Eased Considerably	0	0.0
Total	20	100.0

4. Funding spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	1	5.0
Tightened Somewhat	4	20.0
Remained Basically Unchanged	13	65.0
Eased Somewhat	2	10.0
Eased Considerably	0	0.0
Total	20	100.0

84. Since June 2007, how have the terms under which high-yield corporate bonds are funded by your institution changed for hedge fund clients?

A. Terms for most-favored hedge fund clients (as a consequence of breadth, duration, and/or extent of the relationship)

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	2	11.8
Remained Basically Unchanged	13	76.5
Eased Somewhat	2	11.8
Eased Considerably	0	0.0
Total	17	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	4	23.5
Remained Basically Unchanged	10	58.8
Eased Somewhat	3	17.6
Eased Considerably	0	0.0
Total	17	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	5	29.4
Remained Basically Unchanged	11	64.7
Eased Somewhat	0	0.0
Eased Considerably	1	5.9
Total	17	100.0

4. Funding spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	6	35.3
Remained Basically Unchanged	10	58.8
Eased Somewhat	1	5.9
Eased Considerably	0	0.0
Total	17	100.0

B. Terms for other hedge fund clients

1. Maximum amount of funding

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	3	17.6
Remained Basically Unchanged	13	76.5
Eased Somewhat	1	5.9
Eased Considerably	0	0.0
Total	17	100.0

2. Maximum maturity

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	4	23.5
Remained Basically Unchanged	11	64.7
Eased Somewhat	2	11.8
Eased Considerably	0	0.0
Total	17	100.0

3. Haircuts

	Number of Respondents	Percent
Tightened Considerably	0	0.0
Tightened Somewhat	5	29.4
Remained Basically Unchanged	11	64.7
Eased Somewhat	1	5.9
Eased Considerably	0	0.0
Total	17	100.0

4. Funding spreads over relevant benchmark (effective financing rates)

	Number of Respondents	Percent
Tightened Considerably	1	5.9
Tightened Somewhat	5	29.4
Remained Basically Unchanged	10	58.8
Eased Somewhat	1	5.9
Eased Considerably	0	0.0
Total	17	100.0

85. Since June 2007, how have initial margin requirements set by your institution with respect to OTC derivatives transactions changed for hedge fund clients?

A. Initial margin requirements for most-favored hedge fund clients (as a consequence of breadth, duration, and/or extent of relationship)

1. OTC equity derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	5.6
Increased Somewhat	2	11.1
Remained Basically Unchanged	12	66.7
Decreased Somewhat	3	16.7
Decreased Considerably	0	0.0
Total	18	100.0

2. OTC interest rate derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	5.6
Increased Somewhat	1	5.6
Remained Basically Unchanged	13	72.2
Decreased Somewhat	3	16.7
Decreased Considerably	0	0.0
Total	18	100.0

3. OTC credit derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	6.3
Increased Somewhat	1	6.3
Remained Basically Unchanged	13	81.3
Decreased Somewhat	1	6.3
Decreased Considerably	0	0.0
Total	16	100.0

B. Initial margin requirements for other hedge fund clients

1. OTC equity derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	5.6
Increased Somewhat	3	16.7
Remained Basically Unchanged	12	66.7
Decreased Somewhat	2	11.1
Decreased Considerably	0	0.0
Total	18	100.0

2. OTC interest rate derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	5.6
Increased Somewhat	2	11.1
Remained Basically Unchanged	12	66.7
Decreased Somewhat	3	16.7
Decreased Considerably	0	0.0
Total	18	100.0

3. OTC credit derivatives transactions

	Number of Respondents	Percent
Increased Considerably	1	6.3
Increased Somewhat	2	12.5
Remained Basically Unchanged	12	75.0
Decreased Somewhat	1	6.3
Decreased Considerably	0	0.0
Total	16	100.0

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