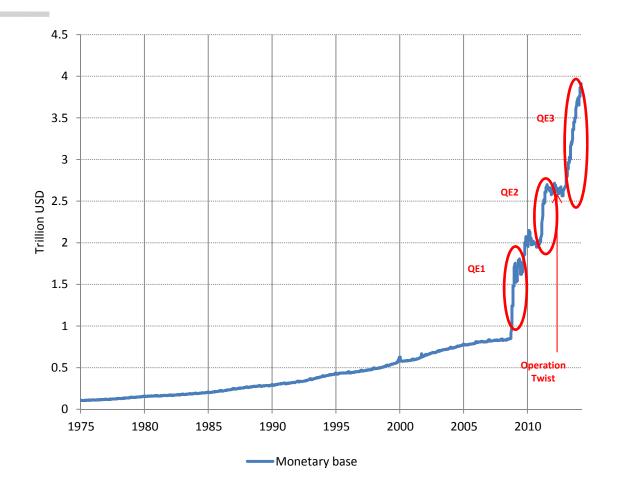
Global Macro Strategy	Jefferies
Spring 2014	
QE, Credit Markets and Bubbles	David Zervos Chief Market Strategist
	dzervos@jefferies.com +1 212 323 7586

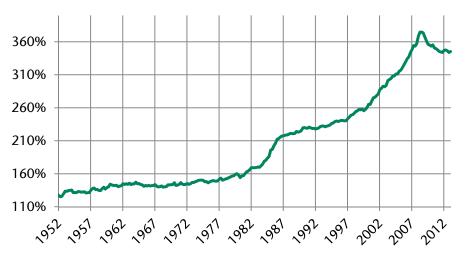
# **US** Monetary Base

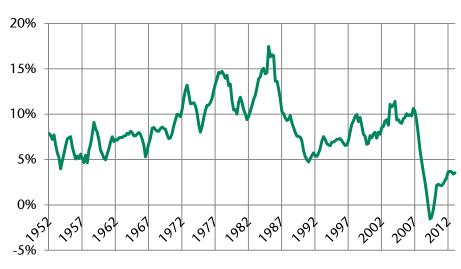


Source: Bloomberg



# **US System Credit Debt**





—US system credit debt/GDP

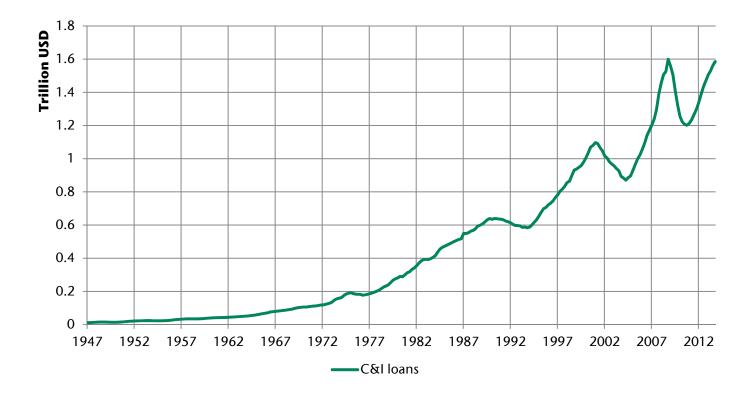
—US system credit growth, Y/Y

Source: Fed

Global Macro Strategy Jefferies LLC



#### C&I Loans

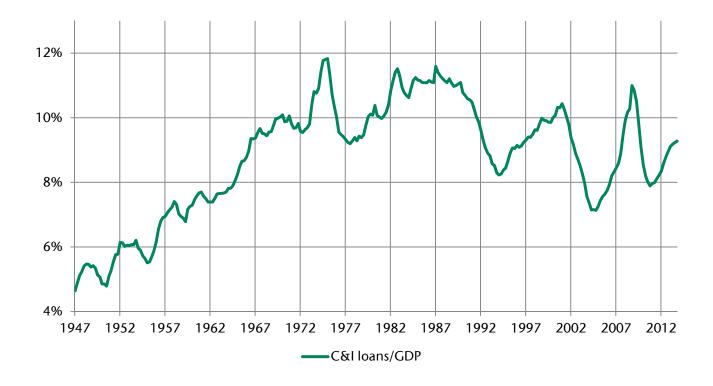


Source: Fed

Global Macro Strategy Jefferies LLC

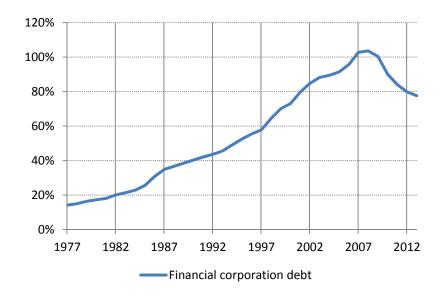


# C&I Loans/GDP



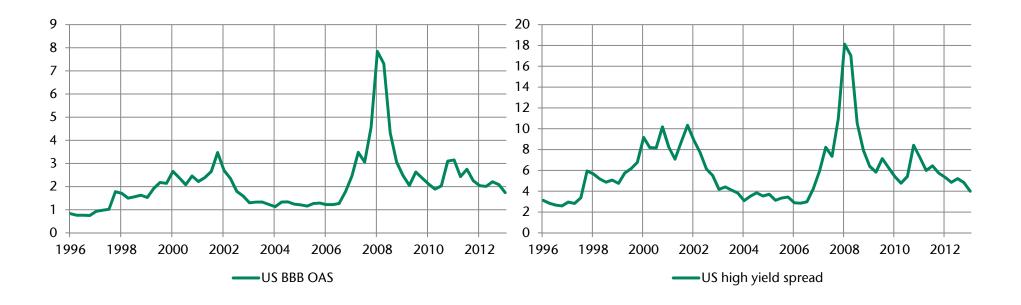


### Financial and Non-Financial Corporation Debt/GDP





# US BBB and HY OAS (%)

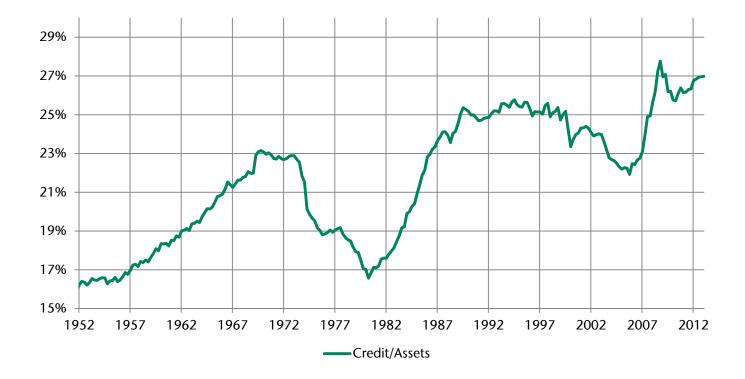


Source: Fed

Global Macro Strategy Jefferies LLC

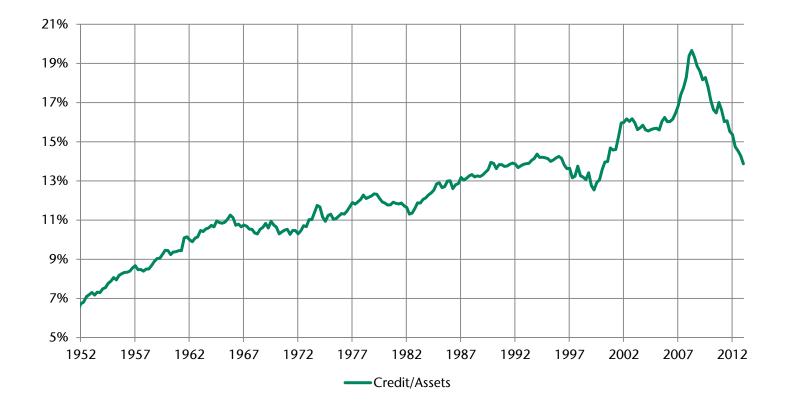


# Nonfinancial Corporates: Total Credit/Total Assets





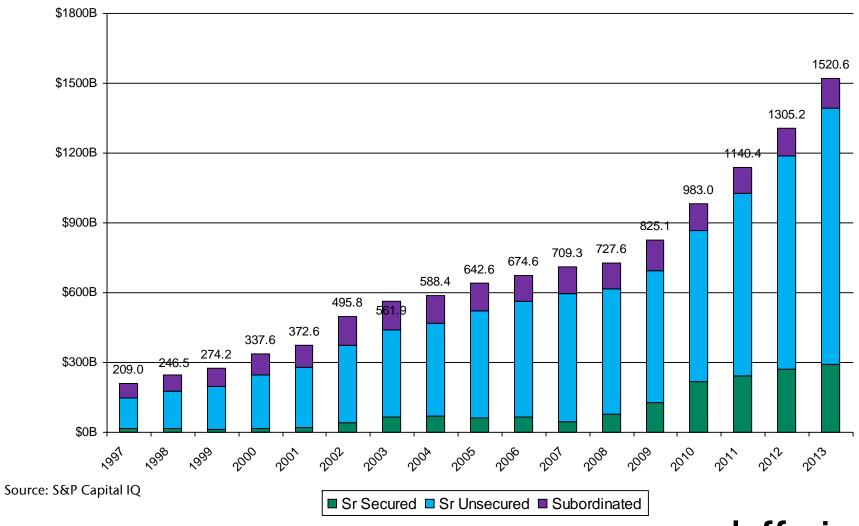
# Household and Nonprofit: Total Credit/ Total Assets







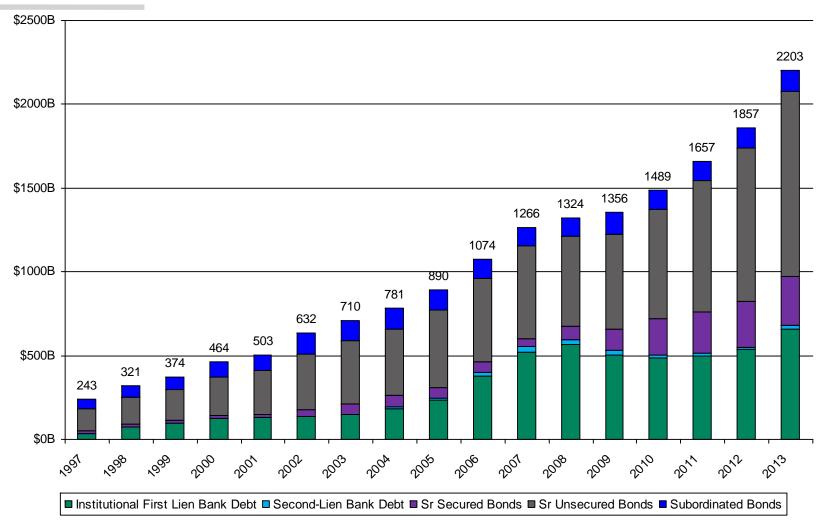
### **Total HY Bonds Outstanding**



Global Macro Strategy Jefferies LLC

**Jefferies** 

### **Total HY Leveraged Debt Outstanding**

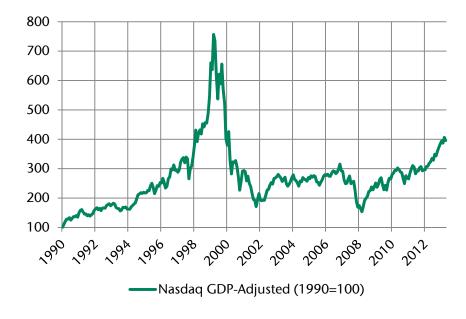


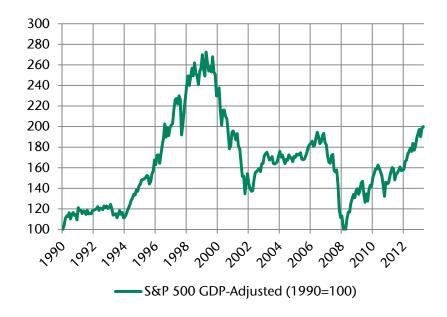
Source: S&P Capital IQ





# Equity Markets Growth Normalized by GDP

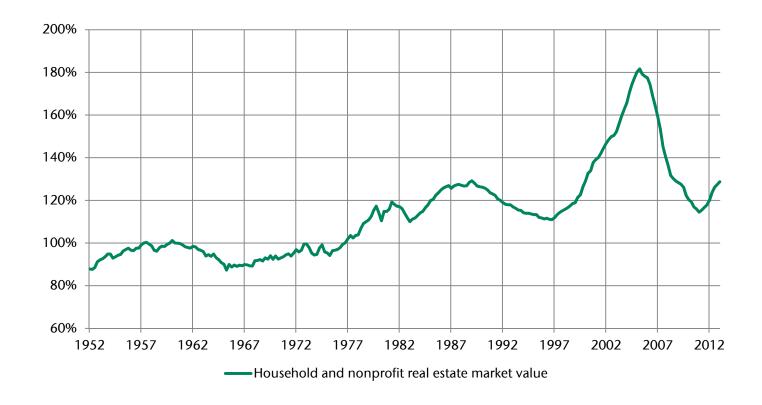




Source: Bloomberg



### Household and Nonprofit Real Estate Market Value/GDP





Question 1: Where is the next bubble?

Question 2: Can monetary policy stop it?

# **Disclosures**

THIS MESSAGE CONTAINS INSUFFICIENT INFORMATION TO MAKE AN INVESTMENT DECISION.

Please contact your Jefferies representative for copies of the most recent research reports on individual companies.

This material has been produced by one of the following Jefferies Group LLC ("Jefferies") group companies:

India: Jefferies India Private Limited, which is licensed by the Securities and Exchange Board of India as a Merchant Banker (INM000011443) and a Stock Broker with Bombay Stock Exchange Limited (INB011438539) and National Stock Exchange of India Limited (INB231438533) in the Capital Market Segment; located at 42/43, 2 North Avenue, Maker Maxity, Bandra-Kurla Complex, Bandra (East) Mumbai 400 051. India: Tel +91 22 4356 6000.

Japan: Jefferies (Japan) Limited, Tokyo Branch, which is a securities company registered by the Financial Services Agency of Japan and is a member of the Japan Securities Dealers Association; located at Hibiya Marine Bldg, 3F, 1-5-1 Yuraku-cho, Chiyoda-ku, Tokyo 100-0006; telephone +813 5251 6100; facsimile +813 5251 6101.

Singapore: Jefferies Singapore Limited, which is licensed by the Monetary Authority of Singapore; located at 80 Raffles Place #15-20, UOB Plaza 2, Singapore 048624, telephone: +65 6551 3950. Hong Kong: Jefferies Hong Kong Limited, which is licensed by the Securities and Futures Commission of Hong Kong with CE number ATS546; located at Suite 2201, 22nd Floor, Cheung Kong Center, 2 Queen's Road Central, Hong Kong.

United Kingdom: Jefferies International Limited, which is authorized and regulated by the Financial Services Authority; registered in England and Wales No. 1978621; registered office: Vintners Place, 68 Upper Thames Street, London EC4V 3BJ; telephone +44 (0)20 7029 8000; facsimile +44 (0)20 7029 8010.

United States: Jefferies LLC headquartered at 520 Madison Avenue, New York, NY 10022.

This material is a marketing communication and is not and should not be construed as investment research or a research report prepared by a research analyst. Any views portrayed in this material may differ from those of the Research Department. This material has not been prepared in accordance with legal requirements designed to promote the independence of investment research, and is not subject to any prohibition on dealing ahead of the dissemination of investment research. Jefferies has employed appropriate expertise, and is of the belief that the material is clear, fair and not misleading. The information set forth herein was obtained from sources believed to be reliable, but has not been independently verified by Jefferies. Therefore, except for any obligation under applicable rules we do not guarantee its accuracy.

This material is being furnished for informational purposes only and does not constitute an offer to sell or the solicitation of an offer to purchase any security, future or other financial instrument or product. It is not intended to form the basis of an investment decision and has not been verified. Jefferies makes no recommendation or representation as to, and accepts no responsibility or liability for, the accuracy or completeness of the information contained herein. The information and any opinions contained here are as of the date of this material and, if applicable, the time indicated, and Jefferies does not undertake any obligation to update the information. All market prices, data and other information are not warranted as to the completeness or accuracy and are subject to change without notice. Past performance is not a guide to future performance, future returns are not guaranteed, and a loss of original capital may occur. Fluctuations in exchange rates could have adverse effects on the value or price of, or income derived from, certain investments. The price and value of any investments referred to herein and the income from them may fluctuate. Any simulations, projections, valuations and statistical analyses contained herein have been provided to assist the recipient in the evaluation of the matters described herein; such simulations, projections, valuations and analyses may be based on subjective assessments and assumptions and may utilise one among alternative methodologies that produce differing results; accordingly, such simulations, projections, valuations and statistical analyses (historical or otherwise) are not to be viewed as facts and should not be relied upon as an accurate representation of future events. Any market views or opinions expressed herein are those of the individual sender, except where such views or opinions are expressly attributed to Jefferies or a named individual. Market views and opinions or to notify the recipient when they have changed.

Jefferies and its affiliates, officers, directors and employees may from time to time hold long or short positions in, buy or sell (on a principal basis or otherwise), or act as market maker in, securities, derivatives, futures or other financial instruments or products related to matters discussed herein and may make trading decisions that are different from or contrary to any of those which may be discussed. Jefferies is not an adviser as to legal, taxation, accounting or regulatory matters in any jurisdiction, and is not providing any advice as to any such matter to the recipient. The recipient of this material should take their own independent advice with respect to such matters. You should be aware of the risks of trading equities, fixed income, foreign exchange or derivative instruments or in non-liquid or emerging market investments. Derivatives generally involve leverage and are therefore more volatile than their underlying cash investments. Your capital may be at risk. Products and services mentioned herein may not have regard to your specific investment objectives, financial situation or particular needs.

This material may contain information obtained from third parties, including ratings from credit ratings agencies such as Standard & Poor's. Reproduction and distribution of third party content in any form is prohibited except with the prior written permission of the related third party. Third party content providers do not guarantee the accuracy, completeness, timeliness or availability of any information, including ratings, and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third party content providers shall not be liable for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content, including ratings. Credit ratings are statements of opinions and are not statements of fact or recommendations to purchase, hold or sell securities. They do not address the suitability of securities or the suitability of securities for investment purposes, and should not be relied on as investment advice.

Global Macro Strategy
Jefferies LLC

**Jefferies** 

# **Disclosures**

#### OPTIONS ARE NOT SUITABLE FOR ALL INVESTORS.

Please ensure that you have read and understand the current options risk disclosure document before entering into any option transaction. The options disclosure document can be accessed at the following web address: http://optionsclearing.com/publications/risks/riskchap1.jsp.

For additional information, please contact Mike George, Head of Equity Derivative Trading at 212 284-3499 or Jason Roelke, Head of New York Flow Sales at 212 284-2454.

In the United Kingdom and European Economic Area this material is issued and/or approved for distribution by Jefferies International Limited and is intended for use only by persons who have, or have been assessed as having, suitable professional experience and expertise, or by persons to whom it can be otherwise lawfully distributed. In the member states of the European Economic Area this material is for distribution only to persons who are "qualified investors" within the meaning of article 2(1)(e) of The Prospectus Directive. For Canadian investors, this material is intended for use only by professional or institutional investors. None of the investments or investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "Designated Institution" as defined by the Securities Act (Ontario). For investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "Designated Institution" as defined by the Securities Act (Ontario). For investments or investment services mentioned or described herein is available to other persons or to anyone in Canada who is not a "Designated Institution" as defined by the Securities Act (Ontario). For investments in the Republic of Singapore, this material is intended for use only by accredited, expert or institutional investors as defined by the Securities and Futures Act and is distributed by Jefferies Singapore Limited which is regulated by the Monetary Authority of Singapore. In Japan this material is issued and/or approved for distribution by Jefferies Hong Kong Limited and is intended for use only by professional investors as defined in the Hong Kong Securities and Futures Ordinance and its subsidiary legislation. In India this material is issued and/or approved for distribution by Jefferies India Private Limited. In Australia this information is issued solely by Jefferies International Limited and is directed solely at wholesale clients within the meaning of the Corporations

Recipients of this material in any other jurisdictions should inform themselves about and observe any applicable legal requirements in relation to the receipt of this material. Products and services mentioned herein may not be eligible for sale or available to residents of certain countries or certain categories of investors. The information contained herein does not constitute an offer or solicitation to buy or sell any security, currency, investment fund or other product, service or information to anyone in any jurisdiction in which an offer or solicitation is not authorized or cannot legally be made or to any person to whom it is unlawful to make an offer or solicitation.

Reproduction or redistribution of this material without the written permission of Jefferies is expressly forbidden.

David Zervos Chief Market Strategist dzervos@jefferies.com +1 212 323 7586

Global Macro Strategy
Jefferies LLC

**Jefferies**