## -' Milliman

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## Q3.13

## STATISTICS TO QUARTER END

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## INSURANCE

According to the AA British Insurance Premium Index, car insurance premiums fell in the third quarter of 2013 as the average Shoparound quote for an annual comprehensive car insurance policy dropped from $£ 595.39$ in July to $£ 568.32$ in September. Over the year ending 30 September, the average annual comprehensive car insurance policy fell by $12.4 \%$, the biggest yearly fall since the index began in 1994. Furthermore, young and old drivers have seen the smallest reduction in the past year with average falls of $4.6 \%$ (to £1,198.96) and $4.8 \%$ (to £413.11) respectively, whilst drivers aged between 23 and 29 saw the largest reduction on average ( $15.5 \%$ to £704.00). After the introduction of the Legal Aid, Sentencing and Punishment of Offenders Act (LASPO), insurers have been prepared to reduce their rates based on anticipated savings and the car insurance market has become more competitive. The number of claims management firms has been reduced from 2,553 in December 2011 to 1,485 in September 2013. Furthermore, next year insurers will be able to obtain driver data direct from the DVLA and it is likely insurers will start asking drivers for their driver numbers. It is hoping that this will save around £15 on the cost of a typical car insurance policy as this will help to stamp out false declarations of driving experience and convictions.

The government has agreed to target the compensation culture and bring down motoring costs in the UK by introducing a range of measures including tightening the rules on whiplash claims, freezing the cost of MOTs and displaying petrol prices on motorway signs. Even though whiplash claims fells last year, there are still concerns that victims were inventing or exaggerating their injuries. The government wants to crack down on bogus whiplash claims, which are costing motorists £2 billion a year, adding an average of £90 to each premium. Each whiplash compensation payment costs an average of $£ 2,400$ with an additional $£ 2,000$ in legal fees. Statistics from the Department of Work and Pensions revealed that in 2011-2012, there were 824,489 motoring injuries and 542,922 were recorded as whiplash. The Association of British Insurers (ABI) has also revealed that in 2011, around 45,000 false motor insurance claims were detected. As a result, independent medical panels of accredited doctors will be set up to identify exaggerated or fraudulent whiplash claims. Ministers believe that this new measure will drive the cost of motor insurance down while still protecting those who have suffered genuine injuries. They want any cost reductions to be used to lower drivers premiums rather than boost company profits. The ABI has long called for more vigorous medical assessments of whiplash claimants to help shake off the UK's reputation as the whiplash capital of Europe. The move has also been welcomed by the Institute of Advanced Motorists, as well as the RAC and the AA.

Furthermore, in separate initiatives, the government has also looked in the cost of MOTs and driving tests. Until 2015, the time of the next election, the maximum price of the MOT test will be frozen at £54.85, which according to figures from the Ministry of Justice could save 3 million drivers as much as $£ 50$ million pounds every year. The government has also agreed to review the cost of a driving test, which is currently £31 for the theory test, £62 for the practical test and a further £50 to attain a provisional license, although any reduction will not come into force until early next year. Additionally, the government will trial the use of price comparison signs on the motorway to tell drivers how much fuel costs at different petrol stations. The government is committed to reducing the cost of owning and running a car.

According to the AA British Insurance Premium Index, home insurance premiums fell once again in the third quarter of 2013 after a summer of mild weather with no significant influx of major claims. The AA Shoparound average for a typical contents policy fell by $1.8 \%$ to $£ 69.28$, an annual reduction of $3.8 \%$, while the AA Shoparound average for buildings cover dropped by $0.8 \%$ to £129.44, an annual reduction of $5.8 \%$. For a combined buildings and contents policy the average quoted premium fell by $1.7 \%$ over the quarter and $6.6 \%$ over the year.

As mentioned in a previous summary, on 27 June, Flood Re was agreed as a model to be developed as a replacement to the agreement of principles to provide affordable flood cover for high-risk residential properties. The scheme is planned to cover the medium term of 20 to 25 years and is not due for implementation until the summer of 2015 . However, research has revealed that the government's new scheme, devised with the insurance industry, has underestimated the number of properties at risk. Whilst the government predicts that about 500,000 properties will be at risk, as many as 800,000 homes in England and Wales are likely to be at risk of flooding in a decade (compared with 370,000 in 2008). Furthermore, an official analysis conducted by government officials and independent experts has revealed that the 500,000 households in flood- prone areas will see annual insurance bills rise by one-third. The scheme is to be funded by a £10.50 levy from every household across the country, but the Department for the Environment believes that this contribution will increase, as the new pool was at serious risk of running out of money if major floods occurred. Their analysis found that the economic costs of the scheme are likely to outweigh the benefits.

At the end of October, North Western Europe was hit by a strong storm as record gusts of $191 \mathrm{~km} / \mathrm{h}$ ( 119 mph ) were measured over the North Sea. In the UK, the storm registered gusts as high as 99 mph, although this was not as fierce as the storms which hit the UK in 1987 or 1990 and cost the insurance industry £3.4 billion and £2 billion, respectively. According to the initial estimates from the ABI, insurers expect to deal with a total of 105,000 claims, and pay out £130 million to policyholders whose homes, businesses and vehicles were damaged. Estimated losses in Germany stand at £250 million to £400 million, Denmark has expected costs of £160 million to £325 million, while losses in the Netherlands are expected to rise above £105 million. Although homes were damaged in the UK, industry experts don't believe that this will stop the present trend of falling home insurance premiums, as severe weather is factored into calculations and the UK summer was fairly benign.

## ECONOMY

The UK experienced its best quarterly performance since the second quarter of 2010 as the economy grew by $0.8 \%$ between July and September. It is the third successive period of growth and it now means that the British economy is expanding at above the historic rate of $2.5 \%$ a year. However, the economy remains $2.5 \%$ off its pre-recession peak at the start of 2008, but 1.5\% ahead of the same period last year. During the third quarter, output grew in all sectors: construction by $0.5 \%$; manufacturing by $0.9 \%$ and services, which represent three quarters of the economic output, by $0.4 \%$. Construction was boosted by new work on private housing and private commercial buildings as well as domestic home repair and maintenance. House builders have been buoyed by the government's Help to Buy Scheme, which recently launched a new phase offering mortgage guarantees. Industry experts remain cautious, though, because the economy faces strong headwinds such as continued slow growth in the Eurozone.

The Eurozone's economic recovery slowed in the third quarter as its economy grew by only $0.1 \%$, down from the $0.3 \%$ growth in the second quarter. The Eurozone had initially been expected to maintain the growth from the second quarter after its 18 month recession; however, slowing exports meant the momentum of the first half of the year fizzled out. On an annualized basis, Europe's $0.4 \%$ growth compares poorly with that of the United States and China ( $2.8 \%$ and $7.8 \%$ respectively). However, growth of $1.1 \%$ is being predicted by the European Commission for 2014 and $1.7 \%$ in 2015.

There were disappointing results in the third quarter for France, Germany and Italy. The French economy contracted by $0.1 \%$ after a slump in exports and business investment, Germany's economy grew by $0.3 \%$ in the third quarter (down from the $0.7 \%$ growth in the second quarter) and Italy's economy shrank by $0.1 \%$ (following a $0.3 \%$ contraction in the second quarter).

China's economy grew at an annualized rate of $7.8 \%$ in the third quarter, marking only the second quarter in the last 10 in which growth has accelerated. However, some analysts have questioned whether the improvement is sustainable. Towards the end of the quarter, there were signs that the economy was slowing down, with exports falling in September and easing growth in factory output and retail sales.

The US economy grew at an annualized rate of $2.8 \%$ in the third quarter of 2013, which was stronger than economists had anticipated, helped by rising exports, a pick-up in home construction and a large buildup in business inventories (which added 0.8 percentage points to the GDP).

## MARKETS

During the third quarter, UK equities performed well, with all of the equities recording positive results. The FTSE 100 recorded growth of $4.9 \%$, the FTSE All Share grew by $5.6 \%$ while the FTSE 250 and FTSE Small Cap recorded very strong growth, $8.7 \%$ and $10.8 \%$ respectively. Internationally, similar to the second quarter, the results were varied. The Emerging Markets contracted by 2.2\% after a contraction of $7.3 \%$ in the second quarter while North America contracted by $0.8 \%$. On the other hand, Japanese equities recorded modest growth of $0.1 \%$ with European equities growing by $7.3 \%$. In contrast to the second quarter, fixed-interest assets had a buoyant quarter with all of the major bonds growing. The Corporate (AAA) bond increased by $2.1 \%$, the Corporate (BBB) bond increased by $3.0 \%$ while the Corporate (AA) bond and Corporate (A) bond grew by $2.2 \%$ and $2.7 \%$ respectively.

## INSURANCE

INSURANCE PREMIUM INDEX-MARKET AVERAGE PREMIUMS

|  |  | Buildings | Contents | Combined | Motor Comp | Motor Non-Comp |  |  | Buildings | Contents | Combined | Motor Comp | Motor Non-Comp |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1994 | Q1 |  |  |  |  |  | 2004 | Q1 | 159.0 | 110.2 |  | 617.6 | 716.3 |
|  | Q2 | 157.4 | 104.0 |  | 325.0 | 366.0 |  | Q2 | 159.0 | 110.6 |  | 604.0 | 709.4 |
|  | Q3 | 158.0 | 104.3 |  | 326.1 | 367.6 |  | Q3 | 158.9 | 109.4 |  | 598.5 | 710.9 |
|  | Q4 | 157.8 | 102.9 |  | 322.0 | 366.8 |  | Q4 | 159.2 | 109.4 |  | 601.5 | 715.2 |
|  | Annual |  |  |  |  |  |  | Annual | 0.1\% | -0.1\% |  | -2.8\% | -0.1\% |
| 1995 | Q1 | 151.8 | 99.1 |  | 313.5 | 355.0 | 2005 | Q1 | 157.8 | 108.7 |  | 597.2 | 713.7 |
|  | Q2 | 150.4 | 100.0 |  | 318.5 | 357.2 |  | Q2 | 154.8 | 107.0 |  | 602.3 | 720.0 |
|  | Q3 | 148.5 | 99.3 |  | 311.0 | 356.7 |  | Q3 | 156.6 | 109.3 |  | 609.1 | 736.9 |
|  | Q4 | 140.8 | 96.8 |  | 296.2 | 351.4 |  | Q4 | 157.8 | 108.9 |  | 606.6 | 739.6 |
|  | Annual | -10.8\% | -5.8\% |  | -8.0\% | -4.2\% |  | Annual | -0.9\% | -0.4\% |  | 0.9\% | 3.4\% |
| 1996 | Q1 | 138.0 | 93.8 |  | 296.2 | 351.1 | 2006 | Q1 | 158.8 | 110.0 |  | 603.5 | 752.4 |
|  | Q2 | 134.7 | 93.5 |  | 302.1 | 352.5 |  | Q2 | 158.0 | 110.1 |  | 606.9 | 750.3 |
|  | Q3 | 136.3 | 93.5 |  | 320.0 | 367.4 |  | Q3 | 157.5 | 107.3 |  | 614.4 | 784.9 |
|  | Q4 | 139.6 | 95.4 |  | 324.7 | 372.7 |  | Q4 | 159.5 | 106.7 |  | 641.2 | 785.9 |
|  | Annual | -0.8\% | -1.4\% |  | 9.6\% | 6.1\% |  | Annual | 1.1\% | -2.0\% |  | 5.7\% | 6.3\% |
| 1997 | Q1 | 141.6 | 96.8 |  | 337.3 | 385.8 | 2007 | Q1 | 160.7 | 108.0 |  | 638.6 | 781.1 |
|  | Q2 | 141.3 | 96.5 |  | 341.4 | 389.4 |  | Q2 | 157.7 | 106.6 |  | 654.5 | 791.4 |
|  | Q3 | 141.7 | 96.2 |  | 348.3 | 388.7 |  | O3 | 162.4 | 109.0 |  | 663.3 | 819.7 |
|  | Q4 | 141.7 | 96.7 |  | 355.5 | 403.7 |  | Q4 | 164.8 | 109.4 |  | 675.3 | 847.8 |
|  | Annual | 1.5\% | 1.3\% |  | 9.5\% | 8.3\% |  | Annual | 3.3\% | 2.6\% |  | 5.3\% | 7.9\% |
| 1998 | Q1 | 140.7 | 96.9 |  | 361.0 | 410.7 | 2008 | Q1 | 164.4 | 110.6 |  | 672.0 | 840.0 |
|  | Q2 | 140.8 | 97.4 |  | 371.1 | 422.2 |  | Q2 | 165.2 | 110.7 | 249.2 | 692.3 | 885.5 |
|  | Q3 | 140.3 | 97.4 |  | 380.7 | 432.2 |  | Q3 | 168.2 | 106.0 | 244.4 | 713.8 | 880.6 |
|  | Q4 | 140.7 | 96.9 |  | 388.3 | 442.3 |  | Q4 | 177.1 | 104.3 | 247.9 | 734.4 | 910.8 |
|  | Annual | -0.7\% | 0.2\% |  | 9.2\% | 9.6\% |  | Annual | 7.5\% | -4.7\% |  | 8.7\% | 7.4\% |
| 1999 | Q1 | 140.7 | 97.3 |  | 394.0 | 451.2 | 2009 | Q1 | 177.5 | 107.1 | 249.6 | 744.2 | 905.2 |
|  | Q2 | 143.1 | 98.4 |  | 410.9 | 464.6 |  | Q2 | 181.9 | 103.7 | 254.6 | 770.5 | 946.9 |
|  | Q3 | 142.7 | 98.6 |  | 424.0 | 477.9 |  | Q3 | 184.7 | 105.6 | 254.5 | 813.3 | 1035.4 |
|  | Q4 | 143.3 | 99.0 |  | 449.1 | 505.7 |  | Q4 | 195.7 | 112.4 | 274.8 | 871.9 | 1127.2 |
|  | Annual | 1.9\% | 2.2\% |  | 15.7\% | 14.3\% |  | Annual | 10.5\% | 7.7\% | 10.8\% | 18.7\% | 23.8\% |
| 2000 | Q1 | 144.8 | 99.5 |  | 475.7 | 524.0 | 2010 | Q1 | 199.3 | 109.4 | 284.2 | 844.1 | 1076.8 |
|  | Q2 | 144.9 | 99.5 |  | 496.7 | 556.6 |  | Q2 | 204.3 | 110.9 | 286.0 | 946.1 | 1246.6 |
|  | Q3 | 145.3 | 100.0 |  | 514.0 | 577.1 |  | Q3 | 203.6 | 110.9 | 277.1 | 1056.4 | 1368.4 |
|  | Q4 | 146.5 | 100.1 |  | 533.2 | 604.3 |  | Q4 | 214.2 | 112.5 | 284.0 | 1126.1 | 1594.3 |
|  | Annual | 2.2\% | 1.1\% |  | 18.7\% | 19.5\% |  | Annual | 9.5\% | 0.1\% | 3.3\% | 29.1\% | 41.4\% |
| 2001 | Q1 | 148.9 | 101.5 |  | 556.7 | 641.8 | 2011 | Q1 | 216.1 | 110.8 | 283.4 | 1197.2 | 1718.8 |
|  | Q2 | 150.2 | 103.1 |  | 561.6 | 657.8 |  | Q2 | 210.9 | 112.8 | 283.4 | 1215.7 | 1658.6 |
|  | Q3 | 150.6 | 103.8 |  | 572.2 | 669.9 |  | O3 | 214.4 | 113.0 | 287.7 | 1225.6 | 1661.1 |
|  | Q4 | 152.2 | 104.9 |  | 582.7 | 680.2 |  | Q4 | 219.8 | 117.5 | 295.4 | 1232.9 | 1700.8 |
|  | Annual | 3.9\% | 4.8\% |  | 9.3\% | 12.6\% |  | Annual | 2.6\% | 4.5\% | 4.0\% | 9.5\% | 6.7\% |
| 2002 | Q1 | 153.8 | 105.9 |  | 588.0 | 689.4 | 2012 | Q1 | 218.6 | 114.9 | 296.7 | 1233.4 | 1723.2 |
|  | Q2 | 154.9 | 106.4 |  | 593.0 | 691.1 |  | Q2 | 213.0 | 113.0 | 289.8 | 1259.1 | 1745.4 |
|  | Q3 | 155.6 | 107.0 |  | 598.3 | 695.2 |  | Q3 | 217.3 | 114.2 | 291.9 | 1223.7 | 1673.3 |
|  | Q4 | 156.0 | 107.3 |  | 603.7 | 703.3 |  | Q4 | 221.1 | 115.8 | 295.8 | 1175.8 | 1631.7 |
|  | Annual | 2.5\% | 2.3\% |  | 3.6\% | 3.4\% |  | Annual | 0.6\% | -1.4\% | 0.1\% | -4.6\% | -4.1\% |
| 2003 | Q1 | 157.3 | 108.2 |  | 608.1 | 709.0 | 2013 | Q1 | 216.5 | 111.1 | 290.8 | 1138.8 | 1563.1 |
|  | Q2 | 157.6 | 108.6 |  | 610.3 | 708.8 |  | Q2 | 209.3 | 105.2 | 279.7 | 1063.5 | 1388.1 |
|  | Q3 | 158.0 | 109.1 |  | 617.3 | 717.5 |  | Q3 | 200.8 | 103.1 | 270.0 | 1003.5 | 1295.4 |
|  | Q4 | 159.1 | 109.5 |  | 618.8 | 716.1 |  | Q4 |  |  |  |  |  |
|  | Annual | 2.0\% | 2.0\% |  | 2.5\% | 1.8\% |  | Annual |  |  |  |  |  |

INSURANCE PREMIUM INDEX-SHOPAROUND AVERAGE PREMIUM


## INSURANCE

The Shoparound index incorporates the five cheapest premiums aggregated from premiums from both the direct/broker channel and price comparison sites.

MARKET AVERAGE PREMIUMS-ROLLING ANNUAL INCREASE ON A QUARTERLY BASIS


SHOPAROUND AVERAGE PREMIUMS-ROLLING ANNUAL INCREASE ON A QUARTERLY BASIS


Source for pages 4-6: AA British Insurance Premium Index

## ECONOMICS

BANK BASE RATES

| Effective Date |  | \% | Effective Date |  | \% | Effective Date |  | \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1992 | 5th May | 10.0 | 1998 | 4th June | 7.5 | 2004 | 5th February | 4.0 |
|  | 22nd September | 9.0 |  | 8th October | 7.25 |  | 6th May | 4.25 |
|  | 16th October | 8.0 |  | 5th November | 6.75 |  | 10th June | 4.5 |
|  | 13th November | 7.0 |  | 10th December | 6.25 |  | 5th August | 4.75 |
|  | Annual Average | 9.6 |  | Annual Average | 7.2 |  | Annual Average | 4.4 |
| 1993 | 26th January | 6.0 | 1999 | 7th January | 6.0 | 2005 | 4th August | 4.5 |
|  | 23rd November | 5.5 |  | 4th February | 5.5 |  | Annual Average | 4.6 |
|  | Annual Average | 6.0 |  | 10th June | 5.0 | 2006 | 3rd August | 4.75 |
| 1994 | 8th February | 5.25 |  | 8th September | 5.25 |  | 9th November | 5.0 |
|  | 12th September | 5.75 |  | 4th November | 5.5 |  | Annual Average | 4.6 |
|  | 7th December | 6.25 |  | Annual Average | 5.3 | 2007 | 11th January | 5.25 |
|  | Annual Average | 5.5 | 2000 | 13th January | 5.75 |  | 10th May | 5.5 |
| 1995 | 3rd February | 6.75 |  | 10th February | 6.0 |  | 5th July | 5.75 |
|  | 13th December | 6.5 |  | Annual Average | 6.0 |  | 6th December | 5.5 |
|  | Annual Average | 6.7 | 2001 | 8th February | 5.75 |  | Annual Average | 5.5 |
| 1996 | 18th January | 6.25 |  | 5th April | 5.5 | 2008 | 7th February | 5.25 |
|  | 8th March | 6.0 |  | 10th May | 5.25 |  | 10th April | 5.0 |
|  | 6th June | 5.75 |  | 2nd August | 5.0 |  | 8th October | 4.5 |
|  | 30th October | 6.0 |  | 18th September | 4.75 |  | 6th November | 3.0 |
|  | Annual Average | 6.0 |  | 4th October | 4.5 |  | 4th December | 2.0 |
| 1997 | 6th May | 6.25 |  | 8th November | 4.0 |  | Annual Average | 4.7 |
|  | 9th June | 6.5 |  | Annual Average | 5.1 | 2009 | 8th January | 1.5 |
|  | 10th July | 6.75 | 2002 | Annual Average | 4.0 |  | 5th February | 1.0 |
|  | 7th August | 7.0 | 2003 | 6th February | 3.75 |  | 5th March | 0.5 |
|  | 6th November | 7.25 |  | 10th July | 3.5 |  | Annual Average | 0.7 |
|  | Annual Average | 6.6 |  | 6th November | 3.75 | 2010 | Annual Average | 0.5 |
|  |  |  | Annual Average |  | 3.7 | 2011 | Annual Average | 0.5 |
|  |  |  |  |  |  | 2012 | Annual Average | 0.5 |

## ECONOMICS

## STERLING EXCHANGE RATES*

|  |  | US\$ | DM | YEN |  |  | US\$ | EURO** | YEN |  |  | US\$ | EURO | YEN |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1989 | Q1 | 1.69 | 3.20 | 224 | 1999 | Q1 | 1.61 | 1.50 | 191 | 2009 | Q1 | 1.43 | 1.08 | 142 |
|  | Q2 | 1.55 | 3.03 | 223 |  | Q2 | 1.58 | 1.53 | 191 |  | Q2 | 1.65 | 1.17 | 159 |
|  | Q3 | 1.62 | 3.02 | 226 |  | Q3 | 1.65 | 1.55 | 175 |  | Q3 | 1.60 | 1.09 | 143 |
|  | Q4 | 1.61 | 2.73 | 232 |  | Q4 | 1.61 | 1.61 | 165 |  | Q4 | 1.61 | 1.13 | 150 |
| 1990 | Q1 | 1.65 | 2.78 | 259 | 2000 | Q1 | 1.60 | 1.67 | 164 | 2010 | Q1 | 1.52 | 1.12 | 142 |
|  | Q2 | 1.74 | 2.90 | 266 |  | Q2 | 1.51 | 1.58 | 160 |  | Q2 | 1.50 | 1.22 | 132 |
|  | Q3 | 1.87 | 2.94 | 259 |  | Q3 | 1.48 | 1.68 | 160 |  | Q3 | 1.57 | 1.16 | 131 |
|  | Q4 | 1.93 | 2.89 | 262 |  | Q4 | 1.49 | 1.59 | 171 |  | Q4 | 1.56 | 1.16 | 127 |
| 1991 | Q1 | 1.74 | 2.97 | 246 | 2001 | Q1 | 1.42 | 1.61 | 178 | 2011 | Q1 | 1.61 | 1.13 | 133 |
|  | Q2 | 1.62 | 2.94 | 223 |  | Q2 | 1.41 | 1.66 | 175 |  | Q2 | 1.61 | 1.11 | 130 |
|  | Q3 | 1.75 | 2.92 | 233 |  | Q3 | 1.47 | 1.61 | 175 |  | Q3 | 1.56 | 1.16 | 120 |
|  | Q4 | 1.87 | 2.84 | 234 |  | Q4 | 1.46 | 1.64 | 191 |  | Q4 | 1.55 | 1.20 | 120 |
| 1992 | Q1 | 1.74 | 2.86 | 231 | 2002 | Q1 | 1.42 | 1.63 | 189 | 2012 | Q1 | 1.60 | 1.21 | 129 |
|  | Q2 | 1.90 | 2.90 | 240 |  | Q2 | 1.52 | 1.54 | 183 |  | Q2 | 1.57 | 1.24 | 125 |
|  | Q3 | 1.78 | 2.52 | 214 |  | Q3 | 1.57 | 1.59 | 191 |  | Q3 | 1.61 | 1.25 | 126 |
|  | Q4 | 1.51 | 2.45 | 189 |  | Q4 | 1.61 | 1.54 | 191 |  | Q4 | 1.63 | 1.23 | 141 |
| 1993 | Q1 | 1.51 | 2.43 | 173 | 2003 | Q1 | 1.58 | 1.45 | 187 | 2013 | Q1 | 1.52 | 1.19 | 143 |
|  | Q2 | 1.49 | 2.55 | 160 |  | Q2 | 1.65 | 1.44 | 198 |  | Q2 | 1.52 | 1.16 | 151 |
|  | Q3 | 1.50 | 2.45 | 159 |  | Q3 | 1.66 | 1.43 | 186 |  | Q3 | 1.60 | 1.20 | 178 |
|  | Q4 | 1.48 | 2.57 | 165 |  | Q4 | 1.79 | 1.42 | 192 |  |  |  |  |  |
| 1994 | Q1 | 1.49 | 2.48 | 153 | 2004 | Q1 | 1.84 | 1.50 | 191 |  |  |  |  |  |
|  | Q2 | 1.54 | 2.46 | 152 |  | Q2 | 1.81 | 1.49 | 198 |  |  |  |  |  |
|  | Q3 | 1.58 | 2.45 | 156 |  | Q3 | 1.81 | 1.46 | 199 |  |  |  |  |  |
|  | Q4 | 1.57 | 2.43 | 156 |  | Q4 | 1.92 | 1.42 | 197 |  |  |  |  |  |
| 1995 | Q1 | 1.63 | 2.23 | 141 | 2005 | Q1 | 1.89 | 1.45 | 202 |  |  |  |  |  |
|  | Q2 | 1.59 | 2.02 | 135 |  | Q2 | 1.79 | 1.48 | 199 |  |  |  |  |  |
|  | Q3 | 1.58 | 2.25 | 156 |  | Q3 | 1.77 | 1.47 | 201 |  |  |  |  |  |
|  | Q4 | 1.53 | 2.22 | 160 |  | Q4 | 1.72 | 1.46 | 203 |  |  |  |  |  |
| 1996 | Q1 | 1.53 | 2.25 | 163 | 2006 | Q1 | 1.73 | 1.44 | 205 |  |  |  |  |  |
|  | Q2 | 1.55 | 2.37 | 170 |  | Q2 | 1.84 | 1.44 | 211 |  |  |  |  |  |
|  | Q3 | 1.56 | 2.39 | 174 |  | Q3 | 1.87 | 1.48 | 221 |  |  |  |  |  |
|  | Q4 | 1.71 | 2.64 | 199 |  | Q4 | 1.96 | 1.49 | 233 |  |  |  |  |  |
| 1997 | Q1 | 1.64 | 2.74 | 203 | 2007 | Q1 | 1.96 | 1.47 | 232 |  |  |  |  |  |
|  | Q2 | 1.66 | 2.90 | 190 |  | Q2 | 2.01 | 1.48 | 248 |  |  |  |  |  |
|  | Q3 | 1.62 | 2.85 | 195 |  | Q3 | 2.04 | 1.44 | 234 |  |  |  |  |  |
|  | Q4 | 1.65 | 2.96 | 214 |  | Q4 | 1.99 | 1.36 | 222 |  |  |  |  |  |
| 1998 | Q1 | 1.67 | 3.10 | 223 | 2008 | Q1 | 1.99 | 1.25 | 198 |  |  |  |  |  |
|  | Q2 | 1.67 | 3.01 | 232 |  | Q2 | 1.99 | 1.26 | 211 |  |  |  |  |  |
|  | Q3 | 1.70 | 2.84 | 231 |  | Q3 | 1.78 | 1.27 | 189 |  |  |  |  |  |
|  | Q4 | 1.66 | 2.77 | 188 |  | Q4 | 1.44 | 1.03 | 130 |  |  |  |  |  |

* End of quarter rates provided
** Euro from Q1 1999

RETAIL PRICES INDEX

|  | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Annual Increase |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1987 | 100.0 | 100.4 | 100.6 | 101.8 | 101.9 | 101.9 | 101.8 | 102.1 | 102.4 | 102.9 | 103.4 | 103.3 |  |
| 1988 | 103.3 | 103.7 | 104.1 | 105.8 | 106.2 | 106.6 | 106.7 | 107.9 | 108.4 | 109.5 | 110.0 | 110.3 | 6.8\% |
| 1989 | 111.0 | 111.8 | 112.3 | 114.3 | 115.0 | 115.4 | 115.5 | 115.8 | 116.6 | 117.5 | 118.5 | 118.8 | 7.7\% |
| 1990 | 119.5 | 120.2 | 121.4 | 125.1 | 126.2 | 126.7 | 126.8 | 128.1 | 129.3 | 130.3 | 130.0 | 129.9 | 9.3\% |
| 1991 | 130.2 | 130.9 | 131.4 | 133.1 | 133.5 | 134.1 | 133.8 | 134.1 | 134.6 | 135.1 | 135.6 | 135.7 | 4.5\% |
| 1992 | 135.6 | 136.3 | 136.7 | 138.8 | 139.3 | 139.3 | 138.8 | 138.9 | 139.4 | 139.9 | 139.7 | 139.2 | 2.6\% |
| 1993 | 137.9 | 138.8 | 139.3 | 140.6 | 141.1 | 141.0 | 140.7 | 141.3 | 141.9 | 141.8 | 141.6 | 141.9 | 1.9\% |
| 1994 | 141.3 | 142.1 | 142.5 | 144.2 | 144.7 | 144.7 | 144.0 | 144.7 | 145.0 | 145.2 | 145.3 | 146.0 | 2.9\% |
| 1995 | 146.0 | 146.9 | 147.5 | 149.0 | 149.6 | 149.8 | 149.1 | 149.9 | 150.6 | 149.8 | 149.8 | 150.7 | 3.2\% |
| 1996 | 150.2 | 150.9 | 151.5 | 152.6 | 152.9 | 153.0 | 152.4 | 153.1 | 153.8 | 153.8 | 153.9 | 154.4 | 2.5\% |
| 1997 | 154.4 | 155.0 | 155.4 | 156.3 | 156.9 | 157.5 | 157.5 | 158.5 | 159.3 | 159.5 | 159.6 | 160.0 | 3.6\% |
| 1998 | 159.5 | 160.3 | 160.8 | 162.6 | 163.5 | 163.4 | 163.0 | 163.7 | 164.4 | 164.5 | 164.4 | 164.4 | 2.8\% |
| 1999 | 163.4 | 163.7 | 164.1 | 165.2 | 165.6 | 165.6 | 165.1 | 165.5 | 166.2 | 166.5 | 166.7 | 167.3 | 1.8\% |
| 2000 | 166.6 | 167.5 | 168.4 | 170.1 | 170.7 | 171.1 | 170.5 | 170.5 | 171.7 | 171.6 | 172.1 | 172.2 | 2.9\% |
| 2001 | 171.1 | 172.0 | 172.2 | 173.1 | 174.2 | 174.4 | 173.3 | 174.0 | 174.6 | 174.3 | 173.6 | 173.4 | 0.7\% |
| 2002 | 173.3 | 173.8 | 174.5 | 175.7 | 176.2 | 176.2 | 175.9 | 176.4 | 177.6 | 177.9 | 178.2 | 178.5 | 2.9\% |
| 2003 | 178.4 | 179.3 | 179.9 | 181.2 | 181.5 | 181.3 | 181.3 | 181.6 | 182.5 | 182.6 | 182.7 | 183.5 | 2.8\% |
| 2004 | 183.1 | 183.8 | 184.6 | 185.7 | 186.5 | 186.8 | 186.8 | 187.4 | 188.1 | 188.6 | 189.0 | 189.9 | 3.5\% |
| 2005 | 188.9 | 189.6 | 190.5 | 191.6 | 192.0 | 192.2 | 192.2 | 192.6 | 193.1 | 193.3 | 193.6 | 194.1 | 2.2\% |
| 2006 | 193.4 | 194.2 | 195.0 | 196.5 | 197.7 | 198.5 | 198.5 | 199.2 | 200.1 | 200.4 | 201.1 | 202.7 | 4.4\% |
| 2007 | 201.6 | 203.1 | 204.4 | 205.4 | 206.2 | 207.3 | 206.1 | 207.3 | 208.0 | 208.9 | 209.7 | 210.9 | 4.0\% |
| 2008 | 209.8 | 211.4 | 212.1 | 214.0 | 215.1 | 216.8 | 216.5 | 217.2 | 218.4 | 217.7 | 216.0 | 212.9 | 0.9\% |
| 2009 | 210.1 | 211.4 | 211.3 | 211.5 | 212.8 | 213.4 | 213.4 | 214.4 | 215.3 | 216.0 | 216.6 | 218.0 | 2.4\% |
| 2010 | 217.9 | 219.2 | 220.7 | 222.8 | 223.6 | 224.1 | 223.6 | 224.5 | 225.3 | 225.8 | 226.8 | 228.4 | 4.8\% |
| 2011 | 229.0 | 231.3 | 232.5 | 234.4 | 235.2 | 235.2 | 234.7 | 236.1 | 237.9 | 238.0 | 238.5 | 239.4 | 4.8\% |
| 2012 | 238.0 | 239.9 | 240.8 | 242.5 | 242.4 | 241.8 | 242.1 | 243.0 | 244.2 | 245.6 | 245.6 | 246.8 | 3.1\% |
| 2013 | 245.8 | 247.6 | 248.7 | 249.5 | 250.0 | 249.7 | 249.7 | 251.0 | 251.9 |  |  |  |  |

Rolling Annual Increase on a Monthly Basis


## ECONOMICS

## AVERAGE EARNINGS INDEX FOR ALL EMPLOYEES

|  | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec | Annual Increase |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & 1989 \\ & 1990 \end{aligned}$ | 61.0 | 61.4 | 61.4 | 62.6 | 63.2 | 64.0 | 64.4 | 64.7 | 65.2 | 65.6 | 66.3 | 66.6 |  |
| 1991 | 66.7 | 67.0 | 66.7 | 67.8 | 68.4 | 68.7 | 69.0 | 69.7 | 70.0 | 70.3 | 71.1 | 70.9 | 6.5\% |
| 1992 | 71.5 | 71.9 | 72.3 | 72.0 | 72.6 | 72.9 | 73.1 | 73.2 | 73.7 | 74.1 | 74.0 | 74.3 | 4.8\% |
| 1993 | 74.3 | 74.4 | 73.9 | 74.7 | 75.0 | 74.9 | 75.5 | 75.6 | 75.8 | 76.0 | 76.4 | 76.4 | 2.8\% |
| 1994 | 76.6 | 77.1 | 77.0 | 76.9 | 77.6 | 78.0 | 78.1 | 78.5 | 78.5 | 78.9 | 79.0 | 79.2 | 3.7\% |
| 1995 | 79.4 | 79.6 | 79.9 | 79.9 | 80.1 | 80.2 | 80.3 | 80.5 | 80.8 | 81.2 | 81.4 | 81.5 | 2.9\% |
| 1996 | 81.7 | 82.1 | 82.2 | 82.6 | 82.6 | 83.0 | 83.3 | 83.6 | 84.3 | 84.2 | 84.5 | 84.9 | 4.2\% |
| 1997 | 85.2 | 85.1 | 86.0 | 85.7 | 86.0 | 86.2 | 86.8 | 87.3 | 87.8 | 88.1 | 88.6 | 89.1 | 4.9\% |
| 1998 | 89.2 | 89.4 | 90.1 | 90.7 | 91.2 | 90.7 | 91.7 | 91.7 | 92.3 | 92.5 | 92.8 | 92.8 | 4.2\% |
| 1999 | 93.1 | 93.7 | 94.1 | 94.4 | 95.0 | 95.5 | 95.8 | 96.2 | 96.6 | 97.3 | 97.6 | 98.6 | 6.3\% |
| 2000 | 98.0 | 96.4 | 99.3 | 98.7 | 99.5 | 99.3 | 100.1 | 100.5 | 101.2 | 101.4 | 102.1 | 103.4 | 4.9\% |
| 2001 | 103.4 | 104.5 | 104.1 | 104.4 | 104.4 | 105.0 | 104.9 | 105.6 | 105.7 | 106.2 | 106.5 | 106.8 | 3.3\% |
| 2002 | 107.3 | 107.6 | 106.9 | 108.2 | 108.3 | 108.9 | 109.0 | 108.8 | 109.1 | 109.0 | 109.4 | 109.3 | 2.3\% |
| 2003 | 109.9 | 110.2 | 111.8 | 111.0 | 111.4 | 111.7 | 111.9 | 112.1 | 113.0 | 113.2 | 113.3 | 113.7 | 4.0\% |
| 2004 | 114.1 | 113.0 | 114.7 | 116.7 | 116.2 | 116.5 | 117.1 | 117.8 | 118.2 | 119.2 | 119.3 | 119.5 | 5.1\% |
| 2005 | 119.5 | 119.9 | 119.4 | 121.7 | 121.4 | 121.7 | 122.6 | 123.6 | 123.8 | 124.1 | 124.7 | 124.7 | 4.4\% |
| 2006 | 123.9 | 127.7 | 126.5 | 126.8 | 127.0 | 128.4 | 128.2 | 128.1 | 128.4 | 129.4 | 129.9 | 131.8 | 5.7\% |
| 2007 | 131.7 | 137.4 | 132.2 | 132.0 | 132.9 | 133.9 | 134.3 | 134.8 | 135.5 | 135.0 | 136.1 | 135.8 | 3.0\% |
| 2008 | 136.4 | 143.7 | 138.4 | 138.2 | 138.5 | 138.4 | 138.7 | 138.9 | 139.2 | 139.8 | 139.3 | 139.2 | 2.5\% |
| 2009 | 139.3 | 135.3 | 132.5 | 140.2 | 139.8 | 139.1 | 139.3 | 139.7 | 139.8 | 140.0 | 140.3 | 141.9 | 1.9\% |
| 2010 | 140.3 | 142.9 | 141.4 | 140.8 | 141.5 | 141.7 | 141.8 | 142.5 | 143.0 | 143.1 | 143.4 | 143.7 | 1.3\% |
| 2011 | 146.3 | 145.1 | 145.3 | 144.0 | 144.9 | 146.2 | 146.0 | 145.4 | 145.6 | 146.1 | 146.3 | 146.5 | 1.9\% |
| 2012 | 146.5 | 146.5 | 147.1 | 147.0 | 147.4 | 148.1 | 148.2 | 148.8 | 148.3 | 148.2 | 148.4 | 148.0 | 1.0\% |
| 2013 | 147.6 | 147.8 | 146.8 | 152.7 | 150.1 | 149.5 | 149.4 | 149.5 | 149.6 |  |  |  |  |

The National Average Earnings Index was discontinued as of September 2010, with the last data being supplied for July 2010. From August 2010, data from the National Weekly Earnings Index replaces the National Average Earning index. Subsequently measures of past performance incorporating data from both indices can only be regarded as estimations. For more information regarding this change, please refer to the Office of National Statistics.

Rolling Annual Increase on a Monthly Basis


## MARKETS AT A GLANCE


= local currency

## MARKETS

| ASSET | 3 Months \% | 1 Year <br> \% p.a. | 2 Years \% p.a. | 3 Years \% p.a. | 4 Years \% p.a. | 5 Years \% p.a. | 10 Years \% p.a. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EQUITIES |  |  |  |  |  |  |  |
| FTSE All Share | 5.6\% | 18.9\% | 18.1\% | 10.1\% | 10.7\% | 10.7\% | 9.2\% |
| FTSE 100 | 4.9\% | 16.7\% | 16.5\% | 9.1\% | 9.8\% | 9.7\% | 8.5\% |
| FTSE 250 | 8.7\% | 30.5\% | 26.7\% | 15.5\% | 16.1\% | 16.9\% | 13.7\% |
| FTSE Small Cap | 10.8\% | 34.2\% | 25.7\% | 15.2\% | 12.8\% | 14.8\% | 8.7\% |
| INTERNATIONAL |  |  |  |  |  |  |  |
| North America | -0.8\% | 18.4\% | 21.3\% | 14.3\% | 13.7\% | 11.8\% | 8.3\% |
| Europe ex UK | 7.3\% | 29.1\% | 20.5\% | 7.9\% | 6.2\% | 8.3\% | 9.9\% |
| Japan | 0.1\% | 31.2\% | 11.5\% | 8.2\% | 6.4\% | 7.3\% | 5.0\% |
| Pacific Basin ex Japan | 4.3\% | 9.2\% | 14.3\% | 5.7\% | 8.6\% | 14.0\% | 13.9\% |
| Emerging Markets | -2.2\% | 0.2\% | 5.8\% | -1.7\% | 4.0\% | 9.4\% | 13.6\% |
| World (FTSE All World) | 1.2\% | 18.2\% | 17.7\% | 9.7\% | 9.9\% | 10.5\% | 8.9\% |
| World ex UK (Developed) | 1.2\% | 20.7\% | 19.5\% | 11.4\% | 10.7\% | 10.6\% | 8.5\% |
| PROPERTY | 2.9\% | 6.7\% | 3.3\% | 8.7\% | 22.6\% | -19.2\% | 17.1\% |
| BONDS \& CASH |  |  |  |  |  |  |  |
| UK Gilts (Over 15 Years) | 1.3\% | -4.4\% | 3.9\% | 6.3\% | 6.7\% | 8.0\% | 6.2\% |
| UK Gilts (All Stocks) | 0.5\% | -3.0\% | 2.5\% | 4.2\% | 5.0\% | 6.2\% | 5.4\% |
| UK Index-linked (All) | 0.6\% | 5.8\% | 5.2\% | 7.4\% | 7.9\% | 7.1\% | 7.0\% |
| Cash | 0.1\% | 0.5\% | 0.5\% | 0.6\% | 0.5\% | 0.6\% | 2.8\% |
| Corporate (All Inv Grade) | 2.8\% | 4.3\% | 10.1\% | 6.5\% | 8.0\% | 9.0\% | 5.2\% |
| Corporate (AAA) | 2.1\% | -1.1\% | 3.8\% | 4.1\% | 5.1\% | 5.9\% | 3.8\% |
| Corporate (AA) | 2.2\% | 1.3\% | 14.1\% | 1.1\% | 10.6\% | 13.0\% | 3.2\% |
| Corporate (A) | 2.7\% | 2.5\% | 15.6\% | -1.0\% | 12.1\% | 6.5\% | 3.7\% |
| Corporate (BBB) | 3.0\% | 7.4\% | 17.8\% | -0.6\% | 15.8\% | 21.1\% | 5.1\% |
| OTHER |  |  |  |  |  |  |  |
| Retail Price Index | 0.9\% | 3.2\% | 2.9\% | 3.8\% | 4.0\% | 2.9\% | 3.3\% |
| National Average Earnings | 0.1\% | 0.9\% | 1.4\% | 1.5\% | 1.7\% | 1.5\% | 2.9\% |

UK MARKET RETURNS

|  |  | Equities | Property | Gilts | Corporate Bonds | Index-linked | Cash |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998 | Q1 | 16.5\% | 3.3\% | 6.3\% | 3.6\% | 3.1\% | 1.8\% |
|  | Q2 | -0.8\% | 3.8\% | 3.4\% | 1.9\% | 4.8\% | 1.8\% |
|  | Q3 | -13.9\% | 2.8\% | 11.6\% | 3.2\% | 3.1\% | 1.9\% |
|  | Q4 | 14.5\% | 1.7\% | 5.7\% | 5.6\% | 7.6\% | 1.8\% |
|  | Annual | 13.9\% | 12.2\% | 29.7\% | 15.0\% | 19.9\% | 7.3\% |
| 1999 | Q1 | 9.1\% | 2.1\% | -1.4\% | 1.3\% | 1.9\% | 1.3\% |
|  | Q2 | 2.3\% | 3.7\% | -1.4\% | -1.4\% | -0.1\% | 1.3\% |
|  | Q3 | -3.4\% | 3.7\% | -1.5\% | -1.7\% | -2.2\% | 1.3\% |
|  | Q4 | 15.1\% | 4.0\% | 4.0\% | 1.9\% | 4.8\% | 0.9\% |
|  | Annual | 24.2\% | 14.1\% | -0.4\% | 0.1\% | 4.4\% | 4.8\% |
| 2000 | Q1 | -3.4\% | 3.1\% | 2.0\% | 1.9\% | 0.3\% | 1.5\% |
|  | Q2 | -2.1\% | 2.6\% | 1.4\% | -0.1\% | 2.9\% | 1.5\% |
|  | Q3 | 0.6\% | 2.3\% | -0.9\% | 3.5\% | -1.5\% | 1.5\% |
|  | Q4 | -1.1\% | 2.1\% | 5.3\% | 4.2\% | 2.5\% | 1.2\% |
|  | Annual | -5.9\% | 10.5\% | 8.0\% | 9.8\% | 4.3\% | 5.7\% |
| 2001 | Q1 | -8.4\% | 1.8\% | -2.1\% | 1.7\% | -2.7\% | 1.5\% |
|  | Q2 | 1.2\% | 1.7\% | -4.3\% | 0.0\% | 0.1\% | 1.2\% |
|  | Q3 | -13.5\% | 1.5\% | 4.4\% | 2.9\% | 1.0\% | 1.2\% |
|  | Q4 | 8.2\% | 1.9\% | 1.2\% | 2.6\% | 1.1\% | 1.1\% |
|  | Annual | -13.3\% | 7.1\% | -0.9\% | 7.3\% | -0.5\% | 5.0\% |
| 2002 | Q1 | 2.3\% | 1.9\% | -2.6\% | 1.1\% | 1.0\% | 0.8\% |
|  | Q2 | -11.0\% | 2.9\% | 4.8\% | 2.4\% | 3.4\% | 0.9\% |
|  | Q3 | -19.6\% | 2.9\% | 7.8\% | 4.2\% | 2.0\% | 0.9\% |
|  | Q4 | 5.6\% | 2.4\% | -0.2\% | 1.1\% | 1.5\% | 1.0\% |
|  | Annual | -22.7\% | 10.5\% | 9.9\% | 9.0\% | 8.2\% | 3.8\% |
| 2003 | Q1 | -7.2\% | 2.0\% | 0.2\% | 1.5\% | 3.1\% | 1.0\% |
|  | Q2 | 14.5\% | 2.7\% | 1.2\% | 4.1\% | 2.5\% | 0.9\% |
|  | Q3 | 3.9\% | 2.8\% | -0.6\% | 0.9\% | -0.5\% | 0.9\% |
|  | Q4 | 9.4\% | 3.3\% | 0.4\% | 0.8\% | 1.3\% | 0.9\% |
|  | Annual | 20.9\% | 11.2\% | 1.2\% | 7.5\% | 6.6\% | 3.6\% |
| 2004 | Q1 | 0.6\% | 3.5\% | 1.8\% | 0.5\% | 2.8\% | 1.0\% |
|  | Q2 | 2.2\% | 4.9\% | -1.7\% | -1.1\% | -0.4\% | 1.1\% |
|  | Q3 | 2.9\% | 4.3\% | 4.0\% | 3.7\% | 2.7\% | 1.2\% |
|  | Q4 | 6.7\% | 4.9\% | 4.2\% | 3.4\% | 3.2\% | 1.2\% |
|  | Annual | 12.8\% | 18.9\% | 8.4\% | 6.6\% | 8.5\% | 4.5\% |
| 2005 | Q1 | 3.0\% | 2.7\% | -1.0\% | 0.5\% | -0.1\% | 1.2\% |
|  | Q2 | 5.0\% | 4.5\% | 6.7\% | 4.5\% | 4.1\% | 1.2\% |
|  | Q3 | 8.2\% | 4.4\% | 0.3\% | 1.0\% | 1.4\% | 1.1\% |
|  | Q4 | 4.3\% | 6.1\% | 4.7\% | 2.6\% | 3.4\% | 1.2\% |
|  | Annual | 22.0\% | 18.8\% | 11.0\% | 8.8\% | 9.0\% | 4.7\% |

Highest Market Return in Year
Across Major Asset Classes

## MARKETS

UK MARKET RETURNS

|  |  | Equities | Property | Gilts | Corporate Bonds | Index-linked | Cash |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | Q1 | 8.1\% | 4.4\% | -1.2\% | -0.7\% | -0.7\% | 1.1\% |
|  | Q2 | -1.8\% | 5.1\% | -2.7\% | -1.1\% | -0.7\% | 1.2\% |
|  | Q3 | 3.6\% | 3.7\% | 4.9\% | 2.4\% | 4.0\% | 1.2\% |
|  | Q4 | 6.2\% | 3.8\% | -0.8\% | 0.3\% | 0.2\% | 1.3\% |
|  | Annual | 16.8\% | 18.1\% | 0.0\% | 0.8\% | 2.9\% | 4.8\% |
| 2007 | Q1 | 2.9\% | 2.3\% | -2.3\% | -0.2\% | -0.5\% | 1.3\% |
|  | Q2 | 4.5\% | 2.1\% | -4.8\% | -2.1\% | -1.5\% | 1.4\% |
|  | Q3 | -1.8\% | -1.0\% | 4.6\% | 1.1\% | 5.1\% | 1.5\% |
|  | Q4 | -0.3\% | -8.5\% | 5.6\% | 1.7\% | 5.4\% | 1.4\% |
|  | Annual | 5.3\% | -5.5\% | 2.7\% | 0.4\% | 8.5\% | 5.7\% |
| 2008 | Q1 | -9.9\% | -3.4\% | -0.1\% | -4.4\% | 3.7\% | 1.3\% |
|  | Q2 | -1.4\% | -2.7\% | -4.0\% | -0.1\% | 1.1\% | 1.3\% |
|  | Q3 | -12.2\% | -4.8\% | 4.0\% | -4.8\% | -0.3\% | 1.4\% |
|  | Q4 | -10.2\% | -13.5\% | 13.9\% | -0.9\% | -0.7\% | 0.5\% |
|  | Annual | -29.9\% | -22.5\% | 13.6\% | -9.9\% | 3.7\% | 4.5\% |
| 2009 | Q1 | -9.1\% | -7.1\% | -4.5\% | -8.2\% | -1.3\% | 0.2\% |
|  | Q2 | 10.9\% | -2.7\% | -1.6\% | 11.3\% | 2.9\% | 0.1\% |
|  | Q3 | 22.4\% | 3.3\% | 5.9\% | 11.5\% | 3.1\% | 0.1\% |
|  | Q4 | 5.5\% | 9.4\% | -4.3\% | 1.0\% | 1.6\% | 0.1\% |
|  | Annual | 30.1\% | 2.2\% | -4.8\% | 15.1\% | 6.4\% | 0.5\% |
| 2010 | Q1 | 6.4\% | 5.7\% | 0.2\% | 4.6\% | 2.2\% | 0.1\% |
|  | Q2 | -11.8\% | 3.6\% | 6.4\% | 1.0\% | 1.7\% | 0.1\% |
|  | Q3 | 13.6\% | 2.2\% | 5.8\% | 5.5\% | 3.6\% | 0.1\% |
|  | Q4 | 7.4\% | 2.2\% | -3.5\% | -2.6\% | 1.1\% | 0.1\% |
|  | Annual | 14.5\% | 14.5\% | 8.8\% | 8.7\% | 8.9\% | 0.4\% |
| 2011 | Q1 | 1.0\% | 2.3\% | -1.5\% | 1.5\% | 0.0\% | 0.1\% |
|  | Q2 | 1.9\% | 2.1\% | 2.3\% | 1.7\% | 4.0\% | 0.2\% |
|  | Q3 | -13.5\% | 1.9\% | 14.4\% | -1.0\% | 6.4\% | 0.2\% |
|  | Q4 | 8.4\% | 1.6\% | 9.6\% | 3.1\% | 8.4\% | 0.2\% |
|  | Annual | -3.5\% | 8.1\% | 26.3\% | 5.4\% | 19.9\% | 0.6\% |
| 2012 | Q1 | 6.1\% | 0.9\% | -4.4\% | 4.0\% | -1.5\% | 0.2\% |
|  | Q2 | -2.6\% | 0.3\% | 6.7\% | 1.7\% | 0.6\% | 0.2\% |
|  | Q3 | 4.7\% | 0.4\% | 1.1\% | 6.5\% | -2.6\% | 0.1\% |
|  | Q4 | 3.8\% | 0.7\% | -0.2\% | 2.6\% | 4.3\% | 0.1\% |
|  | Annual | 12.3\% | 2.4\% | 2.9\% | 15.6\% | 0.6\% | 0.6\% |
| 2013 | Q1 | 10.3\% | 0.7\% | 0.5\% | 1.8\% | 7.9\% | 0.1\% |
|  | Q2 | -1.7\% | 2.2\% | -5.9\% | -2.8\% | -6.5\% | 0.1\% |
|  | Q3 | 5.6\% | 2.9\% | 1.3\% | 2.8\% | 0.6\% | 0.1\% |

Highest Market Return in Year
Across Overseas Markets

INTERNATIONAL MARKET RETURNS

|  |  | World ex UK | North <br> America | Europe ex UK | Japan | Pacific Basin ex Japan | Emerging <br> Markets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998 | Q1 | 11.8\% | 12.0\% | 19.5\% | 1.0\% | 1.0\% | 6.1\% |
|  | Q2 | 2.8\% | 3.4\% | 8.3\% | -4.9\% | -20.7\% | -24.1\% |
|  | Q3 | -14.0\% | -12.3\% | -17.9\% | -15.6\% | -6.7\% | -22.4\% |
|  | Q4 | 25.1\% | 24.7\% | 23.8\% | 30.0\% | 26.8\% | 22.2\% |
|  | Annual | 23.7\% | 26.8\% | 31.5\% | 5.4\% | -5.3\% | -23.5\% |
| 1999 | Q1 | 6.5\% | 8.2\% | -1.9\% | 14.7\% | 10.0\% | 13.0\% |
|  | Q2 | 8.6\% | 9.6\% | 3.1\% | 11.2\% | 19.0\% | 30.2\% |
|  | Q3 | -5.4\% | -10.3\% | -2.0\% | 15.4\% | -9.9\% | -7.7\% |
|  | Q4 | 19.3\% | 17.9\% | 20.8\% | 20.8\% | 22.5\% | 28.5\% |
|  | Annual | 30.6\% | 25.4\% | 19.7\% | 77.7\% | 44.5\% | 74.4\% |
| 2000 | Q1 | 3.0\% | 4.6\% | 0.9\% | 1.0\% | -5.4\% | 0.3\% |
|  | Q2 | 2.3\% | 2.4\% | 5.0\% | -2.7\% | 4.3\% | -6.0\% |
|  | Q3 | -1.2\% | 1.9\% | -5.8\% | -6.9\% | -2.4\% | -10.5\% |
|  | Q4 | -7.3\% | -8.9\% | 2.1\% | -16.2\% | -1.3\% | -13.7\% |
|  | Annual | -3.5\% | -0.5\% | 1.8\% | -23.4\% | -5.0\% | -27.2\% |
| 2001 | Q1 | -8.8\% | -8.4\% | -12.0\% | -5.1\% | -7.5\% | 2.2\% |
|  | Q2 | 4.6\% | 7.0\% | -1.8\% | 2.9\% | 9.0\% | 7.0\% |
|  | Q3 | -19.0\% | -18.6\% | -18.4\% | -22.2\% | -23.1\% | -24.6\% |
|  | Q4 | 10.7\% | 11.8\% | 13.3\% | -4.5\% | 20.1\% | 27.7\% |
| Annual |  | -14.4\% | -10.8\% | -20.0\% | -27.4\% | -6.7\% | 5.2\% |
| 2002 | Q1 | 2.5\% | 2.3\% | 2.3\% | 3.7\% | 5.2\% | 14.9\% |
|  | Q2 | -15.2\% | -19.3\% | -9.2\% | -0.5\% | -7.9\% | -14.2\% |
|  | Q3 | -20.8\% | -19.5\% | -28.7\% | -14.3\% | -15.0\% | -19.2\% |
|  | Q4 | 5.3\% | 6.0\% | 10.2\% | -7.3\% | 2.2\% | 6.7\% |
| Annual |  | -27.5\% | -29.5\% | -27.0\% | -18.0\% | -15.8\% | -15.1\% |
| 2003 | Q1 | -2.8\% | -1.1\% | -7.7\% | -5.8\% | 1.4\% | -4.3\% |
|  | Q2 | 12.3\% | 10.7\% | 20.4\% | 7.3\% | 10.6\% | 17.9\% |
|  | Q3 | 4.3\% | 2.0\% | 3.4\% | 21.2\% | 10.9\% | 13.8\% |
|  | Q4 | 5.6\% | 4.2\% | 12.9\% | 0.4\% | 5.7\% | 7.8\% |
|  | Annual | 20.2\% | 16.4\% | 29.7\% | 23.0\% | 31.4\% | 38.5\% |
| 2004 | Q1 | 0.4\% | -0.7\% | -2.6\% | 12.3\% | 3.2\% | 8.0\% |
|  | Q2 | 2.3\% | 2.8\% | 4.4\% | -2.4\% | -3.5\% | -8.3\% |
|  | Q3 | -1.0\% | -1.1\% | 0.7\% | -7.6\% | 10.0\% | 8.1\% |
|  | Q4 | 5.5\% | 3.1\% | 11.2\% | 6.5\% | 9.8\% | 11.4\% |
|  | Annual | 7.2\% | 4.1\% | 13.8\% | 7.9\% | 20.4\% | 19.3\% |
| 2005 | Q1 | 0.4\% | 0.0\% | 1.5\% | -0.4\% | 2.0\% | 2.8\% |
|  | Q2 | 6.5\% | 7.6\% | 4.8\% | 1.8\% | 10.8\% | 10.1\% |
|  | Q3 | 8.4\% | 5.9\% | 9.8\% | 19.9\% | 11.4\% | 19.5\% |
|  | Q4 | 6.5\% | 5.4\% | 6.2\% | 15.0\% | 2.6\% | 11.6\% |
|  | nual | 23.5\% | 20.2\% | 24.1\% | 39.7\% | 29.1\% | 51.1\% |

Highest Market Return in Year
Across Overseas Markets

INTERNATIONAL MARKET RETURNS

|  |  | World ex UK | North America | Europe ex UK | Japan | Pacific Basin ex Japan | Emerging <br> Markets |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2006 | Q1 | 5.6\% | 3.4\% | 11.3\% | 5.7\% | 6.1\% | 11.1\% |
|  | Q2 | -6.9\% | -7.5\% | -4.5\% | -10.4\% | -3.4\% | -10.2\% |
|  | Q3 | 3.8\% | 4.3\% | 5.6\% | -1.8\% | 4.0\% | 4.2\% |
|  | Q4 | 3.3\% | 1.9\% | 7.0\% | -0.4\% | 11.8\% | 12.4\% |
|  | nual | 5.4\% | 1.7\% | 20.1\% | -7.4\% | 19.2\% | 16.8\% |
| 2007 | Q1 | 2.2\% | 0.8\% | 4.2\% | 2.7\% | 7.1\% | 2.4\% |
|  | Q2 | 4.4\% | 4.3\% | 7.0\% | -2.7\% | 8.5\% | 13.0\% |
|  | Q3 | 1.3\% | 1.1\% | 0.8\% | -3.1\% | 13.6\% | 11.6\% |
|  | Q4 | 0.2\% | -0.6\% | 3.0\% | -3.4\% | 2.0\% | 6.5\% |
| Annual |  | 8.3\% | 5.6\% | 15.7\% | -6.4\% | 34.6\% | 37.4\% |
| 2008 | Q1 | -8.8\% | -9.1\% | -7.4\% | -7.2\% | -13.3\% | -10.0\% |
|  | Q2 | -2.0\% | -1.6\% | -5.2\% | 2.3\% | 0.5\% | -1.1\% |
|  | Q3 | -4.1\% | 1.3\% | -11.2\% | -7.8\% | -16.9\% | -17.5\% |
|  | Q4 | -2.1\% | -4.4\% | -2.2\% | 12.9\% | -4.7\% | -11.1\% |
|  | Annual | -16.0\% | -13.3\% | -23.8\% | -1.1\% | -31.0\% | -34.8\% |
| 2009 | Q1 | -11.5\% | -9.8\% | -15.9\% | -16.1\% | -2.1\% | 1.6\% |
|  | Q2 | 5.2\% | 1.8\% | 9.7\% | 7.0\% | 16.2\% | 18.4\% |
|  | Q3 | 21.1\% | 19.3\% | 29.4\% | 9.3\% | 27.7\% | 25.2\% |
|  | Q4 | 2.8\% | 4.8\% | 0.5\% | -4.0\% | 4.1\% | 7.8\% |
|  | Annual | 15.9\% | 14.8\% | 19.9\% | -5.8\% | 51.2\% | 62.5\% |
| 2010 | Q1 | 10.4\% | 12.5\% | 3.9\% | 15.4\% | 9.8\% | 9.1\% |
|  | Q2 | -11.1\% | -10.3\% | -14.3\% | -8.7\% | -10.4\% | -6.5\% |
|  | Q3 | 7.7\% | 5.8\% | 13.4\% | 0.1\% | 15.0\% | 12.1\% |
|  | Q4 | 9.9\% | 11.6\% | 4.7\% | 12.8\% | 9.3\% | 8.1\% |
|  | Annual | 16.2\% | 19.1\% | 5.7\% | 19.0\% | 23.7\% | 23.6\% |
| 2011 | Q1 | 2.6\% | 3.5\% | 5.7\% | -6.9\% | 1.5\% | -1.2\% |
|  | Q2 | 0.5\% | -0.4\% | 3.2\% | 0.2\% | 0.4\% | -1.8\% |
|  | Q3 | -14.5\% | -11.8\% | -24.2\% | -3.1\% | -18.8\% | -19.2\% |
|  | Q4 | 7.6\% | 11.3\% | 3.6\% | -3.6\% | 6.2\% | 4.2\% |
|  | Annual | -5.1\% | 1.2\% | -14.4\% | -12.9\% | -12.3\% | -18.1\% |
|  | Q1 | 9.2\% | 9.3\% | 9.7\% | 7.9\% | 9.7\% | 10.6\% |
|  | Q2 | -3.2\% | -1.4\% | -7.1\% | -5.5\% | -4.4\% | -7.3\% |
|  | Q3 | 3.8\% | 3.5\% | 6.6\% | -3.6\% | 7.4\% | 4.6\% |
|  | Q4 | 2.0\% | -0.8\% | 8.0\% | 5.1\% | 5.4\% | 5.1\% |
| Annual |  | 12.0\% | 10.7\% | 17.3\% | 3.3\% | 18.9\% | 13.0\% |
| 2013 | Q1 | 15.6\% | 17.7\% | 10.2\% | 19.3\% | 10.8\% | 5.4\% |
|  | Q2 | 1.1\% | 2.2\% | 1.2\% | 4.5\% | -10.3\% | -7.5\% |
|  | Q3 | 1.2\% | -0.8\% | 7.3\% | 0.1\% | 4.3\% | -2.2\% |

Highest Market Return in Year
Across Overseas Markets

HISTORIC RETURNS FOR UK MARKETS
EQUITIES
(FTSE ALL-SHARE)

|  | Year on Year Inflation | Annual | Inflation Adjusted | Rolling $5-\mathrm{Yr}$ <br> Real Return p.a. | Rolling 10-Yr Real Return p.a. | Rolling 25-Yr Real Return p.a. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1975 | 24.9\% | 149.6\% | 99.8\% | -4.7\% | -0.1\% | 5.0\% |
| 1976 | 15.1\% | -1.0\% | -14.0\% | -12.7\% | -0.7\% | 4.5\% |
| 1977 | 12.1\% | 57.2\% | 40.2\% | -8.9\% | -0.3\% | 6.1\% |
| 1978 | 8.4\% | 8.4\% | 0.0\% | 0.5\% | -3.1\% | 5.3\% |
| 1979 | 17.2\% | 11.4\% | -4.9\% | 18.0\% | -2.0\% | 3.6\% |
| 1980 | 15.1\% | 35.2\% | 17.5\% | 6.1\% | 0.6\% | 4.0\% |
| 1981 | 12.0\% | 13.6\% | 1.4\% | 9.7\% | -2.2\% | 4.6\% |
| 1982 | 5.4\% | 29.2\% | 22.6\% | 6.8\% | -1.4\% | 5.7\% |
| 1983 | 5.3\% | 29.1\% | 22.6\% | 11.2\% | 5.7\% | 5.0\% |
| 1984 | 4.6\% | 31.8\% | 26.0\% | 17.7\% | 17.9\% | 4.1\% |
| 1985 | 5.7\% | 20.7\% | 14.2\% | 17.0\% | 11.4\% | 4.7\% |
| 1986 | 3.7\% | 27.2\% | 22.7\% | 21.5\% | 15.5\% | 5.7\% |
| 1987 | 3.7\% | 8.4\% | 4.6\% | 17.7\% | 12.1\% | 6.0\% |
| 1988 | 6.8\% | 11.5\% | 4.4\% | 14.0\% | 12.6\% | 5.5\% |
| 1989 | 7.7\% | 36.1\% | 26.4\% | 14.1\% | 15.9\% | 6.9\% |
| 1990 | 9.3\% | -9.7\% | -17.4\% | 6.9\% | 11.9\% | 5.8\% |
| 1991 | 4.5\% | 20.8\% | 15.6\% | 5.7\% | 13.3\% | 6.8\% |
| 1992 | 2.6\% | 20.5\% | 17.4\% | 8.2\% | 12.8\% | 6.2\% |
| 1993 | 1.9\% | 28.4\% | 26.0\% | 12.3\% | 13.2\% | 6.0\% |
| 1994 | 2.9\% | -5.8\% | -8.5\% | 5.3\% | 9.6\% | 6.3\% |
| 1995 | 3.2\% | 23.9\% | 20.0\% | 13.4\% | 10.1\% | 7.5\% |
| 1996 | 2.5\% | 16.7\% | 13.8\% | 13.1\% | 9.3\% | 6.8\% |
| 1997 | 3.6\% | 23.4\% | 19.1\% | 13.4\% | 10.8\% | 7.0\% |
| 1998 | 2.8\% | 13.9\% | 10.8\% | 10.5\% | 11.4\% | 9.6\% |
| 1999 | 1.8\% | 24.2\% | 22.0\% | 17.1\% | 11.0\% | 14.3\% |
| 2000 | 2.9\% | -5.9\% | -8.6\% | 10.9\% | 12.2\% | 10.8\% |
| 2001 | 0.7\% | -13.3\% | -13.9\% | 4.9\% | 8.9\% | 10.8\% |
| 2002 | 2.9\% | -22.7\% | -24.9\% | -4.4\% | 4.1\% | 8.1\% |
| 2003 | 2.8\% | 20.9\% | 17.6\% | -3.2\% | 3.4\% | 8.8\% |
| 2004 | 3.5\% | 12.8\% | 9.0\% | -5.4\% | 5.3\% | 9.4\% |
| 2005 | 2.2\% | 22.0\% | 19.4\% | -0.2\% | 5.2\% | 9.5\% |
| 2006 | 4.4\% | 16.8\% | 11.8\% | 5.2\% | 5.0\% | 9.9\% |
| 2007 | 4.0\% | 5.3\% | 1.2\% | 11.6\% | 3.3\% | 9.0\% |
| 2008 | 0.9\% | -29.9\% | -30.6\% | 0.4\% | -1.4\% | 6.6\% |
| 2009 | 2.4\% | 30.1\% | 27.1\% | 3.6\% | -1.0\% | 6.6\% |
| 2010 | 4.8\% | 14.5\% | 9.3\% | 1.8\% | 0.8\% | 6.4\% |
| 2011 | 4.8\% | -3.5\% | $-7.9 \%$ | -2.1\% | 1.5\% | 5.2\% |
| 2012 | 3.1\% | 12.3\% | 8.9\% | -0.7\% | 5.3\% | 5.4\% |

## MARKETS

GILTS
(15 Years)
CASH
(One-week deposit)

|  | Annual | Inflation Adjusted | Rolling $5-\mathrm{Yr}$ Real Return p.a. | Rolling $10-\mathrm{Yr}$ Real Return p.a. | Rolling $25-\mathrm{Yr}$ Real Return p.a. | Annual | Inflation Adjusted | Rolling $5-\mathrm{Yr}$ Real Return p.a | Rolling 10-Yr Real Return p.a. | Rolling $25-\mathrm{Yr}$ Real Return p.a. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1975 | 36.8\% | 9.5\% | -7.7\% | -5.4\% | -3.8\% | 10.7\% | -11.4\% | -4.7\% | -1.4\% | -0.6\% |
| 1976 | 13.8\% | -1.1\% | -10.7\% | -5.6\% | -3.0\% | 11.3\% | -3.3\% | -4.8\% | -2.0\% | -0.3\% |
| 1977 | 44.8\% | 29.2\% | -3.9\% | -3.2\% | -1.7\% | 9.4\% | -2.4\% | -4.9\% | -2.5\% | -0.2\% |
| 1978 | -2.7\% | -10.2\% | -2.2\% | -3.4\% | -2.6\% | 8.9\% | 0.5\% | -4.5\% | -2.6\% | -0.2\% |
| 1979 | 4.6\% | -10.8\% | 2.3\% | -4.1\% | -3.1\% | 14.7\% | -2.1\% | -3.8\% | -3.1\% | -0.2\% |
| 1980 | 20.7\% | 4.9\% | 1.4\% | -3.2\% | -2.3\% | 18.5\% | 3.0\% | -0.9\% | -2.8\% | 0.0\% |
| 1981 | 1.6\% | -9.3\% | -0.3\% | -5.7\% | -2.5\% | 14.4\% | 2.1\% | 0.2\% | -2.3\% | 0.0\% |
| 1982 | 53.6\% | 45.7\% | 2.1\% | -0.9\% | -0.5\% | 12.9\% | 7.1\% | 2.1\% | -1.5\% | 0.2\% |
| 1983 | 16.4\% | 10.5\% | 6.5\% | 2.0\% | -0.7\% | 10.3\% | 4.7\% | 2.9\% | -0.9\% | 0.3\% |
| 1984 | 7.2\% | 2.5\% | 9.4\% | 5.8\% | -0.6\% | 10.0\% | 5.2\% | 4.4\% | 0.2\% | 0.4\% |
| 1985 | 11.2\% | 5.2\% | 9.5\% | 5.4\% | -0.1\% | 12.9\% | 6.8\% | 5.2\% | 2.1\% | 0.5\% |
| 1986 | 11.5\% | 7.5\% | 13.3\% | 6.3\% | 0.7\% | 11.3\% | 7.3\% | 6.2\% | 3.2\% | 0.7\% |
| 1987 | 16.3\% | 12.2\% | 7.5\% | 4.8\% | 0.4\% | 10.1\% | 6.2\% | 6.0\% | 4.0\% | 0.9\% |
| 1988 | 9.4\% | 2.4\% | 5.9\% | 6.2\% | 0.4\% | 9.9\% | 2.9\% | 5.7\% | 4.3\% | 0.9\% |
| 1989 | 5.6\% | -1.9\% | 5.0\% | 7.2\% | 0.6\% | 14.1\% | 5.9\% | 5.8\% | 5.1\% | 1.2\% |
| 1990 | 4.0\% | -4.8\% | 2.9\% | 6.1\% | 0.4\% | 15.9\% | 6.0\% | 5.7\% | 5.4\% | 1.4\% |
| 1991 | 18.7\% | 13.6\% | 4.0\% | 8.6\% | 0.9\% | 12.7\% | 7.8\% | 5.8\% | 6.0\% | 1.6\% |
| 1992 | 16.9\% | 13.9\% | 4.3\% | 5.9\% | 1.4\% | 10.1\% | 7.3\% | 6.0\% | 6.0\% | 1.7\% |
| 1993 | 34.5\% | 32.0\% | 9.8\% | 7.8\% | 2.9\% | 6.1\% | 4.1\% | 6.2\% | 6.0\% | 1.8\% |
| 1994 | -12.2\% | -14.7\% | 6.8\% | 5.9\% | 2.4\% | 5.1\% | 2.1\% | 5.5\% | 5.6\% | 1.8\% |
| 1995 | 17.3\% | 13.7\% | 10.6\% | 6.7\% | 3.1\% | 6.3\% | 3.0\% | 4.9\% | 5.3\% | 1.9\% |
| 1996 | 9.0\% | 6.3\% | 9.2\% | 6.6\% | 2.7\% | 6.1\% | 3.5\% | 4.0\% | 4.9\% | 2.2\% |
| 1997 | 22.8\% | 18.5\% | 10.0\% | 7.2\% | 3.9\% | 6.6\% | 2.9\% | 3.1\% | 4.6\% | 2.4\% |
| 1998 | 29.7\% | 26.2\% | 9.1\% | 9.4\% | 5.7\% | 7.4\% | 4.5\% | 3.2\% | 4.7\% | 2.6\% |
| 1999 | -0.4\% | -2.2\% | 12.1\% | 9.4\% | 7.1\% | 4.8\% | 2.9\% | 3.4\% | 4.4\% | 3.0\% |
| 2000 | 8.0\% | 4.9\% | 10.3\% | 10.5\% | 6.9\% | 5.7\% | 2.7\% | 3.3\% | 4.1\% | 3.6\% |
| 2001 | -0.9\% | -1.6\% | 8.6\% | 8.9\% | 6.9\% | 5.0\% | 4.3\% | 3.5\% | 3.7\% | 3.9\% |
| 2002 | 9.9\% | 6.8\% | 6.4\% | 8.2\% | 6.0\% | 3.8\% | 0.8\% | 3.0\% | 3.1\% | 4.0\% |
| 2003 | 1.2\% | -1.6\% | 1.2\% | 5.1\% | 6.4\% | 3.6\% | 0.8\% | 2.3\% | 2.7\% | 4.1\% |
| 2004 | 8.4\% | 4.7\% | 2.6\% | 7.2\% | 7.1\% | 4.5\% | 1.0\% | 1.9\% | 2.6\% | 4.2\% |
| 2005 | 11.0\% | 8.6\% | 3.3\% | 6.8\% | 7.3\% | 4.7\% | 2.4\% | 1.9\% | 2.6\% | 4.2\% |
| 2006 | 0.0\% | -4.2\% | 2.8\% | 5.6\% | 7.5\% | 4.8\% | 0.3\% | 1.1\% | 2.3\% | 4.1\% |
| 2007 | 2.7\% | -1.3\% | 1.1\% | 3.7\% | 5.8\% | 5.7\% | 1.6\% | 1.2\% | 2.1\% | 3.9\% |
| 2008 | 13.6\% | 12.6\% | 3.9\% | 2.5\% | 5.9\% | 4.5\% | 3.6\% | 1.8\% | 2.0\% | 3.8\% |
| 2009 | -4.8\% | -7.1\% | 1.4\% | 2.0\% | 5.5\% | 0.5\% | -1.8\% | 1.2\% | 1.5\% | 3.5\% |
| 2010 | 8.8\% | 3.8\% | 0.5\% | 1.9\% | 5.4\% | 0.4\% | -4.1\% | -0.1\% | 0.9\% | 3.1\% |
| 2011 | 26.3\% | 20.5\% | 5.2\% | 4.0\% | 5.9\% | 0.6\% | -4.0\% | -1.0\% | 0.0\% | 2.6\% |
| 2012 | 2.9\% | -0.2\% | 5.5\% | 3.3\% | 5.4\% | 0.6\% | -2.4\% | -1.8\% | -0.3\% | 2.3\% |

## VOLATILITY OF MARKETS

FTSE 100


FTSE AW Europe ex UK




The annualised standard deviation of daily returns provides a measure of how volatile the market has been over the past month. High levels of volatility are associated with periods when prices have moved sharply from day to day.

## MARKETS

## VOLATILITY OF MARKETS

S\&P 500


TOPIX (Japan)


QUARTERLY INVESTMENT YIELDS

|  |  | UK <br> Equities \% | Overseas <br> Equities \% | $\begin{aligned} & \text { Gilts } \\ & \% \end{aligned}$ | Index <br> -linked \% | Corporate <br> Bonds \% | $\begin{gathered} \text { Cash } \\ \% \end{gathered}$ | UK <br> Property \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1998 | Q1 | 2.36 | 1.49 | 5.96 | 2.85 |  | 7.20 | 6.20 |
|  | Q2 | 2.41 | 1.54 | 5.75 | 2.65 |  | 7.20 | 6.20 |
|  | Q3 | 2.84 | 1.72 | 4.89 | 2.47 |  | 7.60 | 6.20 |
|  | Q4 | 2.50 | 1.44 | 4.40 | 1.94 |  | 7.20 | 6.50 |
| 1999 | Q1 | 2.34 | 1.39 | 4.60 | 1.76 |  | 5.25 | 6.50 |
|  | Q2 | 2.26 | 1.50 | 4.82 | 1.90 |  | 5.06 | 6.30 |
|  | Q3 | 2.41 | 1.38 | 5.06 | 2.13 |  | 5.38 | 6.30 |
|  | Q4 | 2.12 | 1.17 | 4.80 | 1.80 |  | 3.44 | 6.30 |
| 2000 | Q1 | 2.11 | 1.15 | 4.71 | 1.87 |  | 5.81 | 6.30 |
|  | Q2 | 2.16 | 1.22 | 4.68 | 1.83 |  | 5.88 | 6.30 |
|  | Q3 | 2.17 | 1.22 | 4.85 | 2.02 |  | 6.06 | 6.40 |
|  | Q4 | 2.23 | 1.28 | 4.48 | 1.92 |  | 4.88 | 6.70 |
| 2001 | Q1 | 2.53 | 1.49 | 4.82 | 2.24 |  | 6.00 | 6.80 |
|  | Q2 | 2.42 | 1.44 | 5.10 | 2.41 |  | 4.91 | 6.90 |
|  | Q3 | 2.87 | 1.76 | 4.85 | 2.37 |  | 4.97 | 6.90 |
|  | Q4 | 2.63 | 1.58 | 4.84 | 2.30 |  | 4.31 | 7.00 |
| 2002 | Q1 | 2.66 | 1.58 | 5.15 | 2.28 |  | 3.38 | 7.00 |
|  | Q2 | 2.98 | 1.82 | 4.87 | 2.14 |  | 3.75 | 7.00 |
|  | Q3 | 3.73 | 2.22 | 4.36 | 2.01 | 5.11 | 3.75 | 6.80 |
|  | Q4 | 3.55 | 2.12 | 4.47 | 2.02 | 5.16 | 4.19 | 6.90 |
| 2003 | Q1 | 3.87 | 2.27 | 4.53 | 1.85 | 5.06 | 3.81 | 6.80 |
|  | Q2 | 3.43 | 1.99 | 4.52 | 1.76 | 5.06 | 3.63 | 6.80 |
|  | Q3 | 3.36 | 1.92 | 4.65 | 1.84 | 5.17 | 3.44 | 6.80 |
|  | Q4 | 3.10 | 1.78 | 4.71 | 1.83 | 5.18 | 3.50 | 6.70 |
| 2004 | Q1 | 3.13 | 1.83 | 4.66 | 1.67 | 5.22 | 3.98 | 6.50 |
|  | Q2 | 3.16 | 1.86 | 4.88 | 1.87 | 5.42 | 4.50 | 6.30 |
|  | Q3 | 3.16 | 1.95 | 4.67 | 1.71 | 5.23 | 4.75 | 6.10 |
|  | Q4 | 3.05 | 1.87 | 4.45 | 1.54 | 4.98 | 4.74 | 6.00 |
| 2005 | Q1 | 3.09 | 1.98 | 4.60 | 1.61 | 5.08 | 4.76 | 5.70 |
|  | Q2 | 3.10 | 2.03 | 4.20 | 1.39 | 4.83 | 4.79 | 5.60 |
|  | Q3 | 2.99 | 1.94 | 4.25 | 1.33 | 4.82 | 4.53 | 5.40 |
|  | Q4 | 2.95 | 1.92 | 4.00 | 1.09 | 4.48 | 4.67 | 5.20 |
| 2006 | Q1 | 2.91 | 1.87 | 4.15 | 1.19 | 4.62 | 4.56 | 5.00 |
|  | Q2 | 3.11 | 2.08 | 4.35 | 1.43 | 4.87 | 4.60 | 4.90 |
|  | Q3 | 3.06 | 2.03 | 4.11 | 1.16 | 4.59 | 4.84 | 4.80 |
|  | Q4 | 2.86 | 1.96 | 4.23 | 1.23 | 4.71 | 5.12 | 4.80 |

## MARKETS

Property $-x$ - Equities \& Gilts Historic Yield Differences (Quarterly)

|  |  | UK <br> Equities \% | Overseas <br> Equities \% | Gilts <br> \% | Index <br> -linked \% | Corporate <br> Bonds \% | $\begin{gathered} \text { Cash } \\ \% \end{gathered}$ | UK <br> Property \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2007 | Q1 | 2.84 | 2.00 | 4.46 | 1.38 | 4.92 | 5.36 | 4.80 |
|  | Q2 | 2.75 | 3.46 | 4.86 | 1.67 | 5.37 | 5.75 | 4.80 |
|  | Q3 | 2.89 | 2.41 | 4.63 | 1.33 | 5.44 | 5.90 | 5.10 |
|  | Q4 | 3.02 | 2.56 | 4.35 | 1.00 | 5.36 | 5.65 | 5.70 |
| 2008 | Q1 | 3.76 | 2.98 | 4.42 | 0.81 | 5.60 | 5.38 | 5.90 |
|  | Q2 | 4.08 | 2.70 | 4.77 | 0.86 | 5.90 | 5.15 | 6.20 |
|  | Q3 | 4.61 | 3.10 | 4.57 | 0.96 | 5.95 | 5.75 | 6.50 |
|  | Q4 | 4.49 | 3.90 | 3.80 | 0.97 | 5.40 | 1.88 | 7.40 |
| 2009 | Q1 | 5.12 | 4.20 | 4.16 | 1.01 | 4.68 | 0.70 | 7.80 |
|  | Q2 | 4.56 | 3.18 | 4.34 | 0.84 | 4.67 | 0.45 | 7.60 |
|  | Q3 | 3.33 | 2.59 | 4.04 | 0.69 | 4.46 | 0.48 | 7.20 |
|  | Q4 | 3.20 | 2.35 | 4.40 | 0.68 | 4.69 | 0.48 | 6.60 |
| 2010 | Q1 | 3.16 | 2.21 | 4.46 | 0.64 | 4.70 | 0.40 | 6.40 |
|  | Q2 | 3.34 | 2.52 | 4.14 | 0.67 | 4.36 | 0.48 | 6.30 |
|  | Q3 | 3.17 | 2.41 | 3.85 | 0.48 | 4.11 | 0.41 | 6.30 |
|  | Q4 | 2.89 | 2.26 | 4.14 | 0.49 | 4.38 | 0.50 | 6.20 |
| 2011 | Q1 | 2.96 | 2.28 | 4.30 | 0.63 | 4.52 | 0.55 | 6.10 |
|  | Q2 | 2.99 | 2.46 | 4.22 | 0.48 | 4.47 | 0.60 | 6.10 |
|  | Q3 | 3.66 | 2.95 | 3.45 | 0.16 | 3.66 | 0.65 | 6.10 |
|  | Q4 | 3.52 | 2.79 | 2.94 | -0.25 | 3.55 | 0.70 | 6.10 |
| 2012 | Q1 | 3.45 | 2.58 | 3.26 | -0.11 | 3.61 | 0.65 | 6.25 |
|  | Q2 | 3.69 | 2.74 | 2.92 | -0.10 | 3.29 | 0.60 | 6.25 |
|  | Q3 | 3.64 | 2.66 | 2.90 | 0.09 | 3.27 | 0.57 | 6.25 |
|  | Q4 | 3.57 | 2.73 | 3.00 | -0.07 | 3.34 | 0.48 | 6.25 |
| 2013 | Q1 | 3.35 | 2.54 | 3.02 | -0.43 | 3.76 | 0.48 | 6.25 |
|  | Q2 | 3.53 | 2.60 | 3.43 | -0.03 | 4.19 | 0.43 | 6.10 |
|  | Q3 | 3.41 | 2.49 | 3.41 | -0.04 | 4.07 | 0.43 | 5.75 |



## SOURCES

## SOURCES OF INVESTMENT STATISTICS

| UK |  |  |  |
| :---: | :---: | :---: | :---: |
| Equities | Return \& Yield | 1990 | FTSE All-Share Index |
| Gilts | Return | 1998 | FTSE Actuaries Govt. Securities Over 15 Years Gilt Index |
|  | Yield | 1998 | FTSE Actuaries Govt. Securities Over 15 Years Gilt Index |
| Index-linked | Return |  | FTSE Actuaries Index-linked All Stock Index |
|  | Yield | 1986 | FTSE Actuaries Index-linked Over 5 Years Index, 5\% Inflation |
| Corporate Bonds | Return |  | Bloomberg (iboxx) |
|  | Yield | Q3 2002 | Bloomberg (BFV GBP EURO AAA 30 Year Bond Index) |
| Cash | Return \& Yield |  | Bloomberg |
| Property | Return |  | Bloomberg (Investment Property Databank (IPD) Index) |
|  | Yield |  | Bloomberg (CB Richard Ellis Quarterly Rent \& Yield Monitor) |
| Overseas |  |  |  |
| Equities | Return \& Yield | 1998 | FTSE World and All World Series Indices Local and Sterling Based |
| Emerging | Return |  | FTSE All World Series Emerging |

## OTHER SOURCES

| Insurance <br> Market Average Premium <br> Shoparound Average Premium | 1994- | The AA British Insurance Premium Index |
| :--- | :--- | :--- |

## ABOUT MILLIMAN

Milliman is among the world's largest providers of actuarial and related products and services. The firm has consulting practices in life insurance and financial services, property \& casualty insurance, healthcare, and employee benefits. Founded in 1947, Milliman is an independent firm with offices in major cities around the globe.

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milliman.com


## CONTACT

11 Old Jewry
London
EC2R 8DU
UK

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(+) 442078471500

