

GLAXOSMITHKLINE PLC

Form 6-K

August 27, 2008

FORM 6-K

**SECURITIES AND EXCHANGE COMMISSION
Washington D.C. 20549**

Report of Foreign Issuer

**Pursuant to Rule 13a-16 or 15d-16 of
the Securities Exchange Act of 1934**

For period ending August 26, 2008

GlaxoSmithKline plc
(Name of registrant)

980 Great West Road, Brentford, Middlesex, TW8 9GS
(Address of principal executive offices)

Indicate by check mark whether the registrant files or
will file annual reports under cover Form 20-F or Form 40-F

Form 20-F x Form 40-F

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Indicate by check mark whether the registrant by furnishing the
information contained in this Form is also thereby furnishing the
information to the Commission pursuant to Rule 12g3-2(b) under the
Securities Exchange Act of 1934.

Yes No x

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Financial Services Authority

GlaxoSmithKline plc received on 26 August 2008 from Legal & General Group plc a notification of interests in GlaxoSmithKline plc Ordinary shares of 25 pence each , dated 26 August 2008 . This notice is given in accordance with DTR 5.8.12.

TR-1: notification of major interests in shares

1. Identity of the issuer or the underlying issuer of existing shares to which voting rights are attached:

GlaxoSmithKline Plc

2. Reason for notification (yes/no)

An acquisition or disposal of voting rights

Yes

An acquisition or disposal of financial instruments which may result in the

acquisition of shares already issued to which voting rights are attached

An event changing the breakdown of voting rights

Other (please specify): _____

3. Full name of person(s) subject to the notification obligation:

Legal & General Group Plc (Group)

Legal & General Investment Management Limited (LGIM)

4. Full name of shareholder(s) (if different from 3.):

Legal & General Assurance (Pensions Management) Limited (PMC)

Legal & General Group Plc (L&G)

5. Date of the transaction (and date on which the threshold is crossed or reached if different):

21 August 2008

6. Date on which issuer notified:

26 August 2008

7. Threshold(s) that is/are crossed or reached:

Above 5% (Group)

Above 5% (LGIM)

8. Notified details:

A: Voting rights attached to shares

Class/type of shares **Situation previous to the triggering transaction** **Resulting situation after the triggering transaction**

if possible using the ISIN CODE	Number of Shares	Number of Voting Rights	Number of shares		Number of voting rights		% of voting rights	
			Direct	Indirect	Direct	Indirect	Direct	Indirect
ORD	Below 5%	261,984,775	244,172,773	17,812,002	4.6606	0.3399		

GBP 0.25

B: Financial Instruments

Resulting situation after the triggering transaction

Type of financial instrument	Expiration date	Exercise/ Conversion Period/ Date	Number of voting rights that may be acquired if the instrument is exercised/ converted.	% of voting rights
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Total (A+B)		
Number of voting rights		% of voting rights
261,984,775		5.00

9. Chain of controlled undertakings through which the voting rights and/or the financial instruments are effectively held, if applicable:

Legal & General Group Plc (Direct and Indirect) (Group) (261,984,775 - 5.00% = Total Position)

Legal & General Investment Management (Holdings) Limited (LGIMH) (Direct and Indirect) (261,984,775 – 5.00% = Total Position)

Legal & General Investment Management Limited (Indirect) (LGIM) (261,984,775 – 5.00% = Total Position)

Legal & General Group Plc (Direct) (L&G) (244,172,773 – 4.66% = LGAS, LGPL & PMC)

Legal & General Investment Management (Holdings) Limited (Direct) (LGIMHD) (200,498,767 – 3.82% = PMC)

Legal & General Insurance Holdings Limited (Direct) (LGIH)

Legal & General Assurance (Pensions Management) Limited (PMC) (200,498,767 – 3.82% = PMC)

Legal & General Assurance Society Limited (LGAS & LGPL)

Legal & General Pensions Limited (Direct) (LGPL)

Proxy Voting:

10. Name of the proxy holder: N/A

11. Number of voting rights proxy holder will cease to hold: N/A

12. Date on which proxy holder will cease to hold voting rights: N/A

13. Additional information: Notification using the total voting rights figure of 5,238,275,257

14. Contact name: Helen Lewis (LGIM)

15. Contact telephone number: 020 3124 3851

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorised.

GlaxoSmithKline plc
(Registrant)

Date: August 26, 2008

By: VICTORIA WHYTE

Victoria Whyte
Authorised Signatory for and on
behalf of GlaxoSmithKline plc