

GLAXOSMITHKLINE PLC

Form 6-K

April 19, 2017

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 19 April 2017

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 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

GlaxoSmithKline plc (the 'Company')

Transaction notification

1. Details of PDMR/person closely associated with them ('PCA')
 - a) Name Mr B McNamara
 - b) Position/status CEO, GSK Consumer Healthcare
 - c) Initial notification/ amendment Initial notification
2. Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor
 - a) Name GlaxoSmithKline plc
 - b) LEI 5493000HZTVUYLO1D793
3. Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transaction(s) has been conducted
 - a) Description of the financial instrument American Depository Shares ('ADSs')
 - b) Nature of the transaction Increase in notional interest in ADSs following the re-investment of dividends paid to shareholders on 13 April 2017 on ADSs held in the Company's 2009 Performance Share Plan.
 - c) Price(s) and volume(s)

Price(s)	Volume(s)
\$41.81	90.871
\$41.81	454.207
\$41.81	701.005
 - d) Aggregated information

Aggregated volume	1,246.083
Price	\$41.81
 - e) Date of the transaction 2017-04-18
 - f) Place of the transaction n/a

1. Details of PDMR/person closely associated with them ('PCA')
 - a) Name Mr D E Troy
 - b) Position/status SVP & General Counsel
 - c) Initial notification/ amendment Initial notification
2. Details of the issuer, emission allowance market participant, auction platform, auctioneer or auction monitor

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a) Name GlaxoSmithKline plc
b) LEI 5493000HZTVUYLO1D793
3. Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transaction(s) has been conducted

a) Description of the financial instrument	American Depositary Shares ('ADSs')
b) Nature of the transaction	ISIN: US37733W1053 Increase in notional interest in ADSs following the re-investment of dividends paid to shareholders on 13 April 2017 on ADSs held in the Company's 2009 Performance Share Plan.
c) Price(s) and volume(s)	Price(s) Volume(s) \$41.81 1,237.606 \$41.81 1,435.850
d) Aggregated information	
Aggregated volume Price	2,673.456 \$41.81
e) Date of the transaction	2017-04-18
f) Place of the transaction	n/a

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: April 19, 2017

By: VICTORIA WHYTE

Victoria Whyte

Authorised Signatory for and on

behalf of GlaxoSmithKline plc