BlackRock Health Sciences Trust Form 4

April 17, 2014

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

Check this box

if no longer subject to Section 16. Form 4 or

Form 5 obligations may continue.

See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Last)

(City)

1. Name and Address of Reporting Person *

FLYNN JAMES T

(Print or Type Responses)

(First) (Middle)

(Street)

(State)

NEW YORK, NY 10055

55 EAST 52ND STREET

2. Issuer Name and Ticker or Trading

Symbol

[BME]

BlackRock Health Sciences Trust

3. Date of Earliest Transaction (Month/Day/Year)

04/15/2014

4. If Amendment, Date Original

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

Issuer

below)

X_ Director

Applicable Line)

Officer (give title

2. Transaction Date 2A. Deemed 1.Title of Security (Month/Day/Year) (Instr. 3)

(Zip)

Execution Date, if (Month/Day/Year)

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D) (Instr. 8)

(Instr. 3, 4 and 5)

Following Reported (A) or Code V Amount (D) Price

Transaction(s) (Instr. 3 and 4)

5. Amount of

Securities

Owned

Beneficially

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of 3. Transaction Date 3A. Deemed 5. Number of

Derivative Security

Conversion or Exercise

(Month/Day/Year) Execution Date, if

any

TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount of **Underlying Securities** (Instr. 3 and 4)

OMB APPROVAL

3235-0287

January 31,

2005

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Number:

Expires:

response...

5. Relationship of Reporting Person(s) to

6. Individual or Joint/Group Filing(Check

6. Ownership

Form: Direct

(I)

(Instr. 4)

(D) or Indirect Beneficial

(Check all applicable)

10% Owner

Other (specify

7. Nature of

Ownership

(Instr. 4)

Indirect

Estimated average

burden hours per

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)		Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Performance Rights (1)	(2)	04/15/2014		A		130.47		(3)	(3)	Common Stock	130.47

Reporting Owners

Reporting Owner Name / Address	Relationships							
Reporting Owner Name / Address	Director	10% Owner	Officer	Other				
FLYNN JAMES T 55 EAST 52ND STREET	X							
NEW YORK, NY 10055	Λ							

Signatures

/s/ Eugene Drozdetski as Attorney-in-Fact 04/17/2014

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations, See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The Performance Rights were accrued under the BlackRock Deferred Compensation Plan.
- (2) One Performance Right is convertible into the cash value of one share of BlackRock Health Sciences Trust.
- (3) The Performance Rights are to be settled 100% in cash at the deferral period chosen by the reporting person.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2