H&Q HEALTHCARE INVESTORS Form N-Q August 28, 2009

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

OMB APPROVAL
OMB Number: 3235-0578
Expires: April 30, 2010

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response.....10.5

FORM N-Q

QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT INVESTMENT COMPANY

Investment Company Act file number

811-04889

H&Q Healthcare Investors (Exact name of registrant as specified in charter)

2 Liberty Square, 9th Floor, Boston, MA (Address of principal executive offices)

02109 (Zip code)

(Name and address of agent for service)

Registrant s telephone number, including area code: 617-772-8500

Date of fiscal year end: September 30

Date of reporting period: 6/30/09

Item 1. Schedule of Investments.

H&O HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

JUNE 30, 2009

(Unaudited)

CONVERTIBLE SECURITIES AND WARRANTS 12.0% of Net Assets

| SHARES | | VALUE |
|------------|--|------------------|
| | Convertible Preferred (Restricted) (a) 11.8% | |
| | Biotechnology - 0.8% | |
| 306,413 | MacroGenics, Inc. Series D (b) | \$ 199,812 |
| 75,217 | MacroGenics, Inc. Series D 18 Month Lock-up (b) | 32,697 |
| 2,123,077 | TargeGen, Inc. Series C (b) | 1,840,007 |
| 586,871 | TargeGen, Inc. Series D (b) | 508,624 |
| | Drug Discovery Technologies 1.4% | |
| 2,380,953 | Agilix Corporation Series B (b) (c) | 141,809 |
| 375,000 | Ceres, Inc. Series C (b) | 2,437,500 |
| 32,193 | Ceres, Inc. Series C-1 (b) | 209,255 |
| 280,105 | Ceres, Inc. Series D (b) | 1,820,683 |
| 40,846 | Ceres, Inc. Series F (b) | 265,499 |
| 8,170 | Ceres, Inc. warrants (expiration 9/05/15) (b) | 0 |
| | Healthcare Services 1.6% | |
| 5,384,615 | PHT Corporation Series D (b) (c) | 4,200,000 |
| 1,204,495 | PHT Corporation Series E (b) (c) | 939,506 |
| 149,183 | PHT Corporation Series F (b) (c) | 116,363 |
| | Medical Devices and Diagnostics 8.0% | |
| 3,424,756 | CardioKinetix, Inc. Series C (b) (c) | 2,359,999 |
| 4,852,940 | Concentric Medical, Inc. Series B (b) (c) | 4,852,940 |
| 1,744,186 | Concentric Medical, Inc. Series C (b) (c) | 1,744,186 |
| 683,000 | Concentric Medical, Inc. Series D (b) (c) | 683,000 |
| 652,013 | Concentric Medical, Inc. Series E (b) (c) | 652,013 |
| 1,724,230 | Elemé Medical, Inc. Series C (b) (c) | 910,393 |
| 2,292,152 | FlowCardia, Inc. Series C (b) | 2,458,333 |
| 1,877,273 | Interlace Medical, Inc. Series C (b) (c) | 2,065,000 |
| 3,669,024 | Labcyte Inc. Series C (b) | 1,920,000 |
| 2,950,000 | Magellan Biosciences, Inc. Series A (b) | 2,950,000 |
| 142,210 | Magellan Biosciences, Inc. warrants (expiration 3/31/19) (b) | 0 |
| 11,335 | Magellan Biosciences, Inc. warrants (expiration 5/06/19) (b) | 0 |
| 1,547,988 | OmniSonics Medical Technologies, Inc. Series A-1 (b) | 1,548 |
| 1,263,099 | OmniSonics Medical Technologies, Inc. Series B-1 (b) | 1,263 |
| 13,823,805 | Palyon Medical Corporation Series A (b) (c) | 2,950,000 |
| 65,217 | TherOx, Inc. Series H (b) | 108,181 |
| 149,469 | TherOx, Inc. Series I (b) | 247,939 |
| 4,220 | TherOx, Inc. warrants (expiration 1/26/11) (b) | 0 |
| 8,141 | TherOx, Inc. warrants (expiration 6/09/10) (b) | 0 |
| 921,875 | Xoft, Inc. Series D (b) | 2,304,688 |
| 176,647 | Xoft, Inc. Series E (b) | 441,618 |
| N/A | Xoft, Inc. warrants (expiration 6/12/12) (b) (d) | 0 |
| | | \$ 39,362,856 |

| PRINCIPAL AMOUNT | | | VALUE | |
|---------------------|-----------|--|-------|-------------|
| AMOUNT | | Convertible Notes (Restricted) (a) 0.2% | VALUE | |
| | | Medical Devices and Diagnostics 0.2% | | |
| \$ | 153,545 | Magellan Biosciences, Inc., Senior Subordinated Note, 8.00% due 2010 | \$ | 153,545 |
| Φ | 590,000 | Xoft, Inc., Promissory Note, 10.00% due 2010 | Φ | 590,000 |
| | 390,000 | Aort, Inc., 110missory (vote, 10.00 % due 2010 | | 743,545 |
| | | TOTAL CONVENTING E CECUDITIES AND WARD ANTS | | 743,343 |
| | | TOTAL CONVERTIBLE SECURITIES AND WARRANTS | | |
| | | (Cost \$51,235,569) | \$ | 40,106,401 |
| | | | | |
| SHARES | | COMPLETE CITY OF THE COMPLETE COMPLIENCE COMPLETE COMPLIENCE COMPLETE COMPLIENCE COMPLETE COMPLETE COMPLETE COMPLETE COMPLETE COMPLETE COM | | |
| | | COMMON STOCKS AND WARRANTS 81.8% | | |
| | 107.170 | Biopharmaceuticals 2.7% | | |
| | 195,450 | Forest Laboratories, Inc. (b) | | 4,907,749 |
| | 140,340 | Pfizer Inc. | | 2,105,100 |
| | 42,300 | Wyeth | | 1,919,997 |
| | | DI . I . I . A.A. | | 8,932,846 |
| | | Biotechnology 34.2% | | |
| | 621,473 | ACADIA Pharmaceuticals Inc. (b) | | 1,361,026 |
| | 253,438 | Amgen Inc. (b) | | 13,417,008 |
| | 80,000 | Amylin Pharmaceuticals, Inc. (b) | | 1,080,000 |
| | 5,381,051 | Antisoma plc (b) (e) | | 2,126,828 |
| | 513,798 | Antisoma plc 18 Month Lock-up (Restricted) (a) (b) (e) | | 182,768 |
| | 472,000 | Athersys, Inc. (b) | | 391,760 |
| | 118,000 | Athersys, Inc. warrants (expiration 6/08/12) (a) (b) | | 1,180 |
| | 238,372 | Biogen Idec Inc. (b) | | 10,762,496 |
| | 322,064 | Celgene Corporation (b) | | 15,407,542 |
| | 113,289 | Cephalon, Inc. (b) | | 6,417,822 |
| | 80,536 | Cougar Biotechnology, Inc. (b) | | 3,459,827 |
| | 160,705 | Cubist Pharmaceuticals, Inc. (b) | | 2,945,723 |
| | 170,698 | DOV Pharmaceutical, Inc. warrants (expiration 12/31/09) (a) (b) | | 0 |
| | 447,450 | Exelixis, Inc. (b) | | 2,179,081 |
| | 170,247 | Genzyme Corporation (b) | | 9,477,650 |
| | 370,975 | Gilead Sciences, Inc. (b) | | 17,376,469 |
| | 76,175 | Martek Biosciences Corporation | | 1,611,101 |
| | 119,150 | Medicines Company (b) | | 999,668 |
| | 32,533 | Myriad Pharmaceuticals, Inc. (b) | | 151,278 |
| | 102,060 | OSI Pharmaceuticals, Inc. (b) | | 2,881,154 |
| | 113,602 | United Therapeutics Corporation (b) (f) | | 9,466,455 |
| | 242,430 | Vertex Pharmaceuticals Inc. (b) (f) | | 8,640,205 |
| | 147,689 | XenoPort, Inc. (b) | | 3,421,954 |
| | | | | 113,758,995 |

| SHARES | | VALUE |
|-----------|---|--------------|
| | Drug Delivery 1.7% | |
| 327,450 | Alkermes, Inc. (b) | \$ 3,543,009 |
| 568,311 | Penwest Pharmaceuticals Co. (b) | 1,619,686 |
| 287,106 | Penwest Pharmaceuticals Co. warrants (expiration 3/11/13) (a) (b) | |
| , | ` , | 502,436 |
| | | 5,665,131 |
| | | -,, |
| | Drug Discovery Technologies 0.0% | |
| 11,441 | Clinical Data, Inc. (b) | 126,080 |
| 70 | Zyomyx, Inc. (Restricted) (a) (b) | 17 |
| | | 126,097 |
| | Generic Pharmaceuticals 8.3% | · |
| 1,321,151 | Akorn, Inc. (b) | 1,585,381 |
| 202,223 | Akorn, Inc. warrants (expiration 3/08/11) (a) (b) | 44,489 |
| 114,157 | Impax Laboratories, Inc. (b) | 840,196 |
| 216,300 | Mylan Inc. (b) | 2,822,715 |
| 144,219 | Perrigo Company | 4,006,404 |
| 367,295 | Teva Pharmaceutical Industries, Ltd. (g) | 18,122,335 |
| | | 27,421,520 |
| | Healthcare Services 15.8% | |
| 247,690 | Aetna Inc. | 6,204,634 |
| 222,222 | Aveta, Inc. (Restricted) (a) (b) | 2,222,220 |
| 201,366 | CardioNet, Inc. (b) | 3,286,293 |
| 134,660 | Catalyst Health Solutions, Inc. (b) | 3,358,420 |
| 304,000 | CVS Caremark Corporation | 9,688,480 |
| 245,420 | ICON plc (b) (g) | 5,296,164 |
| 84,750 | Laboratory Corporation of America Holdings (b) | 5,745,203 |
| 130,385 | Medco Health Solutions, Inc. (b) | 5,946,860 |
| 185,740 | Pharmaceutical Product Development, Inc. | 4,312,883 |
| 306,208 | Syntiro Healthcare Services (Restricted) (a) (b) | 306 |
| 128,110 | WellPoint, Inc. (b) | 6,519,518 |
| | | 52,580,981 |
| | Medical Devices and Diagnostics 19.1% | |
| 473,430 | Align Technology, Inc. (b) | 5,018,358 |
| 71,016 | Becton, Dickinson and Company | 5,064,151 |
| 341,254 | Hologic, Inc. (b) | 4,856,044 |
| 186,954 | IDEXX Laboratories, Inc. (b) | 8,637,275 |
| 150,784 | Illumina, Inc. (b) | 5,871,529 |
| 21,045 | Intuitive Surgical, Inc. (b) | 3,444,225 |
| 228,057 | Inverness Medical Innovations, Inc. (b) | 8,114,268 |
| 157,773 | Life Technologies Corporation (b) | 6,582,290 |
| 159,506 | Masimo Corporation (b) | 3,845,690 |
| 160,000 | Masimo Laboratories, Inc. (Restricted) (a) (b) | 42,985 |
| 830,292 | Medwave, Inc. (b) (c) | 830 |
| 207,573 | Medwave, Inc. warrants (expiration 8/21/11) (a) (b) (c) | 0 |
| 130,132 | Myriad Genetics, Inc. (b) | 4,639,206 |
| | | |
| | | |
| | 3 | |

| Medical Devices and Diagnostics 0,000 93,000 0 | SHARES | S | | VALUE |
|--|--------------------|------------|--|-------------------|
| 93,008 OmniSonics Medical Technologies, Inc. (Restricted) (a) (b) \$ 9.3 125,000 PerkinElmer, Inc. (Restricted) (a) (b) 139 127,225 Stryker Corporation 5,055,921 TOTAL COMMON STOCKS AND WARRANTS (Cost \$289,157,298) \$ 271,833,574 NUMBER OF CONTRACTS (100 SHARES EACH) PUT OPTIONS PURCHASED 0.0% United Therapeutics Corporation, strike @ 75, expires July- 2009 (b) 19,525 TOTAL PUT OPTIONS PURCHASED (Cost \$57,865) \$ 19,525 PRINCIPAL AMOUNT SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 General Electric Capital Co.; 0.05% due 07/06/09 4999.93 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 0,01% due 07/01/09 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$333,721,188 TOTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ 13,455,981) | | | Medical Devices and Diagnostics continued | |
| 208 Songbird Hearing, Inc. (Restricted) (a) (b) 139 127,225 Stryker Corporation 5,055,921 63,348,004 | | 93,008 | | \$ 93 |
| 127,225 | | 125,000 | PerkinElmer, Inc. | 2,175,000 |
| TOTAL COMMON STOCKS AND WARRANTS | | 208 | Songbird Hearing, Inc. (Restricted) (a) (b) | 139 |
| TOTAL COMMON STOCKS AND WARRANTS (Cost \$289,157,298) | | 127,225 | Stryker Corporation | 5,055,921 |
| NUMBER OF CONTRACTS (100 SHARES EACH) | | | | 63,348,004 |
| NUMBER OF CONTRACTS (100 SHARES EACH) PUT OPTIONS PURCHASED 0.0% United Therapeutics Corporation, strike @ 75, expires July- 2009 (b) 19,525 TOTAL PUT OPTIONS PURCHASED (Cost \$57,865) \$ 19,525 PRINCIPAL AMOUNT SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 American Express Corporation; 0.22% due 07/06/09 9,999,695 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 4,999,993 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | TOTAL COMMON STOCKS AND WARRANTS | |
| CONTRACTS (100 SHARES EACH) PUT OPTIONS PURCHASED 0.0% 355 United Therapeutics Corporation, strike @ 75, expires July- 2009 (b) 19,525 TOTAL PUT OPTIONS PURCHASED (Cost \$57,865) \$ 19,525 PRINCIPAL AMOUNT SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 American Express Corporation; 0.22% due 07/06/09 9,999,695 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 4,999,993 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 0.01% due 07/01/09 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | (Cost \$289,157,298) | \$ 271,833,574 |
| 355 United Therapeutics Corporation, strike @ 75, expires July- 2009 (b) 19,525 | CONTR. (100 SHA | ACTS | | |
| TOTAL PUT OPTIONS PURCHASED (Cost \$57,865) | | | PUT OPTIONS PURCHASED 0.0% | |
| PRINCIPAL AMOUNT SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 American Express Corporation; 0.22% due 07/06/09 9,999,695 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 4,999,993 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 0.01% due 07/01/09 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | 355 | United Therapeutics Corporation, strike @ 75, expires July- 2009 (b) | 19,525 |
| PRINCIPAL AMOUNT SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 American Express Corporation; 0.22% due 07/06/09 9,999,695 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 4,999,993 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 0.01% due 07/01/09 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | TOTAL PUT OPTIONS PURCHASED | |
| ## SHORT-TERM INVESTMENTS 6.6% \$ 10,000,000 | | | (Cost \$57,865) | \$ 19,525 |
| \$ 10,000,000 American Express Corporation; 0.22% due 07/06/09 9,999,695 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 4,999,993 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 0.01% due 07/01/09 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | | |
| 5,000,000 General Electric Capital Co.; 0.05% due 07/02/09 Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$(1,455,981) | | | SHORT-TERM INVESTMENTS 6.6% | |
| Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$6,762,002 (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$(1,455,981) | \$ | 10,000,000 | American Express Corporation; 0.22% due 07/06/09 | 9,999,695 |
| (collateralized by U.S. Treasury Bill 0.30% discount, 12/10/09, market value \$6,900,326); 6,762,000 TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$(1,455,981) | | 5,000,000 | General Electric Capital Co.; 0.05% due 07/02/09 | 4,999,993 |
| TOTAL SHORT-TERM INVESTMENTS (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | | |
| (Cost \$21,761,688) \$ 21,761,688 TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | 6,762,000 | 0.01% due 07/01/09 | 6,762,000 |
| TOTAL INVESTMENTS 100.4% (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | TOTAL SHORT-TERM INVESTMENTS | |
| (Cost \$362,212,420) \$ 333,721,188 OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | (Cost \$21,761,688) | \$ 21,761,688 |
| OTHER LIABILITIES IN EXCESS OF ASSETS (0.4)% \$ (1,455,981) | | | TOTAL INVESTMENTS 100.4% | |
| | | | (Cost \$362,212,420) | 333,721,188 |
| NET ASSETS - 100% \$ 332,265,207 | | | | \$ (1,455,981) |
| | | | NET ASSETS - 100% | \$ 332,265,207 |

⁽a) Security fair valued.

⁽b) Non-income producing security.

⁽c) Affiliated issuers in which the Fund holds 5% or more of the voting securities (total market value of \$21,616,039).

⁽d) Number of warrants to be determined at a future date.

⁽e) Foreign security.

⁽f) A portion of security is pledged as collateral for call options written.

⁽g) American Depositary Receipt.

SCHEDULE OF OPTIONS WRITTEN

| NUMBER OF CONTRACTS (100 SHARES EACH) | | EXPIRATION DATE | CURRENT VALUE |
|--|---|--------------------|------------------|
| | CALL OPTIONS WRITTEN | | |
| 355 | United Therapeutics Corporation, strike @ 80 | July - 2009 | \$ (163,300) |
| 614 | Vertex Pharmaceuticals Inc., strike @ 35 | July - 2009 | (101,924) |
| | TOTAL CALL OPTIONS WRITTEN (Premium received \$258,517) | | \$ (265,224) |
| | | | |
| | PUT OPTIONS WRITTEN | | |
| 355 | United Therapeutics Corporation, strike @ 80 | July - 2009 | \$ (40,825) |
| | TOTAL PUT OPTIONS WRITTEN (Premium received \$94,932) | | \$ (40,825) |
| | | | , , , |
| | | | |
| | 5 | | |
| | | | |

Investment Valuation - Investments traded on national securities exchanges or in the over-the-counter market that are National Market System securities are valued at the last sale price or, lacking any sales, at the mean between the last bid and asked prices. Other over-the-counter securities are valued at the most recent bid prices as obtained from one or more dealers that make markets in the securities. Publicly traded investments for which market quotations are not readily available or whose quoted price may otherwise not reflect fair value and the fair value of venture capital and other restricted securities are valued in good faith by the Adviser pursuant to valuation policies and procedures approved by the Trustees. Such values are subject to oversight and ratification by the Trustees. However, because of the uncertainty of fair valuations, these estimated values may differ significantly from the values that would have been used had a ready market for these securities existed, and the differences could be material. Each such fair value determination is based on a consideration of relevant factors. Factors the Adviser considers may include (i) the existence of any contractual restrictions on the disposition of securities; (ii) information obtained from the issuer which may include an analysis of the company s financial statements, the company s products or intended markets or the company s technologies; and (iii) the price of a security negotiated at arm s length in an issuer s completed subsequent round of financing. Short-term investments with maturity of 60 days or less are valued at amortized cost.

The Fund adopted the Financial Accounting Standards Board (FASB) Statement of Financial Accounting Standards No. 157, Fair Value Measurements, effective October 1, 2008, and FASB Staff Position No. 157-4, effective April 1, 2009 (collectively, FAS 157). In accordance with FAS 157, fair value is defined as the price that the Fund would receive upon selling an investment in a timely transaction to an independent buyer in the principal or most advantageous market for the investment. FAS 157 establishes a three-tier hierarchy that prioritizes the inputs to valuation techniques giving the highest priority to readily available unadjusted quoted prices in active markets (Level 1 inputs) and the lowest priority to unobservable inputs (Level 3 inputs) when market prices are not readily available or reliable. Inputs refer broadly to the assumptions that market participants would use in pricing the asset or liability and may be observable or unobservable. Observable inputs are inputs that reflect the assumptions market participants would use in pricing the asset or liability developed based on market data obtained from sources independent of the reporting entity. Unobservable inputs are inputs that reflect the reporting entity s own assumptions about the factors market participants would use in pricing the asset or liability, and would be based on the best information available.

| The t | hree-tier | hierarc | hy of | inputs i | s summarized | in t | he tl | hree | broad | level | s listed | belo | ow. |
|-------|-----------|---------|-------|----------|--------------|------|-------|------|-------|-------|----------|------|-----|
|-------|-----------|---------|-------|----------|--------------|------|-------|------|-------|-------|----------|------|-----|

- Level 1 quoted prices in active markets for identical investments
- Level 2 prices determined using other significant observable inputs (including quoted prices for similar investments, interest rates, prepayment speeds, credit risk, etc.)
- Level 3 prices determined using significant unobservable inputs (including the Fund s own assumptions in determining fair value of investments)

These inputs or methodology used for valuing securities is not necessarily an indication of the risk associated with investing in those securities.

The following is a summary of the inputs used as of June 30, 2009 in valuing the Fund s assets and liabilites carried at value:

| | Level 1 | Level 2 | Level 3 | Total |
|---|-------------------|------------------|------------------|-------------------|
| Assets at Value | | | | |
| Convertible Securities and Warrants | | | | |
| Biotechnology | \$ | \$ | \$ 2,581,140 | \$ 2,581,140 |
| Drug Discovery Technologies | | | 4,874,746 | 4,874,746 |
| Healthcare Services | | | 5,255,869 | 5,255,869 |
| Medical Devices and Diagnostics | | | 27,394,646 | 27,394,646 |
| Total Convertible Securities and Warrants | | | 40,106,401 | 40,106,401 |
| Common Stocks and Warrants | | | | |
| Biopharmaceuticals | 8,932,846 | | | 8,932,846 |
| Biotechnology | 113,575,047 | | 183,948 | 113,758,995 |
| Drug Delivery | 5,162,695 | | 502,436 | 5,665,131 |
| Drug Discovery Technologies | 126,080 | | 17 | 126,097 |
| Generic Pharmaceuticals | 27,377,031 | | 44,489 | 27,421,520 |
| Healthcare Services | 50,358,455 | | 2,222,526 | 52,580,981 |
| Medical Devices and Diagnostics | 63,304,787 | | 43,217 | 63,348,004 |
| Total Common Stocks and Warants | 268,836,941 | | 2,996,633 | 271,833,574 |
| Options Purchased | 19,525 | | | 19,525 |
| Short Term Investments | | 21,761,688 | | 21,761,688 |
| Other Assets | | | 896,412 | 896,412 |
| Total Assets | \$ 268,856,466 | \$ 21,761,688 | \$ 43,999,446 | \$ 334,617,600 |
| | | | | |
| Liabilities at Value | | | | |
| Option Contracts Written | \$ 306,049 | \$ | \$ | \$ 306,049 |

Following is a reconciliation of investments in which significant unobservable inputs (Level 3) were used in determining value:

| Level 3 Assets | Balance as of September 30, 2008 | Accrued discounts/premiums | and u ap | ized gain/loss d change in inrealized preciation/ epreciation | Net | purchases/sales | Net transfers in and/or out of Level | alance, as of une 30, 2009 |
|--------------------------|-------------------------------------|----------------------------|----------------|---|-----|-----------------|--------------------------------------|-------------------------------|
| Convertible | | | | | | | | |
| Securities and Warrants | | | | | | | | |
| Biotechnology | \$ 2,581,140 | \$ | \$ | (3,387) | \$ | 3,387 | \$ | \$ 2,581,140 |
| Drug Discovery | | | | | | | | |
| Technologies | 4,904,776 | | | 270,138 | | (300,168) | | 4,874,746 |
| Healthcare | 6.057.042 | | | (00.004) | | (712.000) | | 5 255 960 |
| Services Medical Devices | 6,057,943 | | | (88,994) | | (713,080) | | 5,255,869 |
| and Diagnostics | 29,763,189 | | | (8,783,311) | | 6,414,768 | | 27,394,646 |
| Common Stocks | 29,703,109 | | | (0,703,311) | | 0,414,700 | | 27,394,040 |
| and Warrants | | | | | | | | |
| Biotechnology | 1,447,784 | | | 632,385 | | | (1,896,221) | 183,948 |
| Drug Delivery | 281,364 | | | 221,072 | | | | 502,436 |
| Drug Discovery | | | | | | | | |
| Technologies | 3,000 | | | (303,151) | | 300,168 | | 17 |
| Generic | | | | | | | | |
| Pharmaceuticals | 220,423 | | | (175,934) | | | | 44,489 |
| | 13,914,139 | | | (1,105,457) | | | (10,586,156) | 2,222,526 |

| Healthcare Services | | | | | | | | | |
|--|----|------------|----|----|-------------|----|--------------|-----------------|--------------|
| Medical Devices | | | | | | | | | |
| and Diagnostics | | 71,820 | | | (28,614) | | 11 | | 43,217 |
| Other Assets | | 1,857,095 | | | 405,816 | | (1,366,499) | | 896,412 |
| Total | \$ | 61,102,673 | \$ | \$ | (8,959,437) | \$ | 4,338,587 \$ | (12,482,377) \$ | 43,999,446 |
| | | | | | | | | | |
| Net change in unrealized appreciation/depreciation from assets still held as of June 30, 2009 \$ | | | | | | | | | (13,592,394) |

Venture Capital and Other Restricted Securities - The Fund may invest in venture capital and other restricted securities if these securities would currently comprise 40% or less of net assets. The value of these securities represents 13% of the Fund s net assets at June 30, 2009. The following table details the acquisition date, cost, carrying value per unit, and value of the Fund s venture capital and other restricted securities at June 30, 2009. The Fund on its own does not have the right to demand that such securities be registered.

| Venture Capital and Other Restricted Securities (h) | Acquisition Date | Cost | Carrying Value per Unit | Value |
|---|---------------------|--------------|-------------------------------|------------|
| Agilix Corporation | | | • | |
| Series B Cvt. Pfd. | 11/8/01 | \$ 2,495,500 | \$ 0.06 | \$ 141,809 |
| Antisoma plc | | | | |
| 18 Month Lock-up (Restricted) Common | 12/5/03 - 6/11/08 | 536,343 | 0.36 | 182,768 |
| Aveta, Inc. | | | | |
| (Restricted) Common | 12/21/05 | 3,004,731 | 10.00 | 2,222,220 |
| CardioKinetix, Inc. | | -,, | | , , , |
| Series C Cvt. Pfd. | 5/22/08 | 2,367,320 | 0.69 | 2,359,999 |
| Ceres, Inc. | | ,=,= | | ,,,,,,,,, |
| Series C Cvt. Pfd. | 12/23/98 | 1,502,732 | 6.50 | 2,437,500 |
| Series C-1 Cvt. Pfd. | 3/31/01 | 111,508 | 6.50 | 209,255 |
| Series D Cvt. Pfd. | 3/14/01 | 1,668,294 | 6.50 | 1,820,683 |
| Series F Cvt. Pfd. | 9/5/07 | 268,136 | 6.50 | 265,499 |
| Warrants (expiration 9/05/15) | 9/5/07 | 0 | 0.00 | 0 |
| Concentric Medical, Inc. | 913101 | U | 0.00 | U |
| Series B Cvt. Pfd. | 5/7/02, 1/24/03 | 3,330,988 | 1.00 | 4,852,940 |
| Series C Cvt. Pfd. | | | 1.00 | |
| | 12/19/03 | 1,500,818 | | 1,744,186 |
| Series D Cvt. Pfd. | 9/30/05 | 958,007 | 1.00 | 683,000 |
| Series E Cvt. Pfd. | 12/18/08 | 655,011 | 1.00 | 652,013 |
| Elemé Medical, Inc. | _,,_,, | | | |
| Series C Cvt. Pfd. | 7/15/08 | 3,252,672 | 0.53 | 910,393 |
| FlowCardia, Inc. | | | | |
| Series C Cvt. Pfd. | 8/29/07 | 2,474,768 | 1.07 | 2,458,333 |
| Interlace Medical, Inc. | | | | |
| Series C Cvt. Pfd. | 6/10/09 | 2,065,000 | 1.10 | 2,065,000 |
| Labcyte Inc. | | | | |
| Series C Cvt. Pfd. | 7/18/05 | 1,924,893 | 0.52 | 1,920,000 |
| MacroGenics, Inc. | | | | |
| Series D Cvt. Pfd. | 9/4/08 | 1,002,546 | 0.65 | 199,812 |
| Series D Cvt. Pfd. 18 Month Lock-up | 9/4/08 | 315,748 | 0.43 | 32,697 |
| Magellan Biosciences, Inc. | | | | |
| Series A Cvt. Pfd. | 11/28/06 | 2,955,013 | 1.00 | 2,950,000 |
| Senior Subordinated. Cvt. Note | 4/3/09, 5/12/09 | 153,545 | 1.00 | 153,545 |
| Warrants (expiration 3/31/19) | 4/3/09 | 0 | 0.00 | 0 |
| Warrants (expiration 5/06/19) | 5/12/09 | 0 | 0.00 | 0 |
| Masimo Laboratories, Inc. | 0.12.00 | | 0.00 | |
| (Restricted) Common | 3/31/98 | 0 | 0.27 | 42,985 |
| OmniSonics Medical Technologies, Inc. | 3/31/70 | · · | 0.27 | 12,703 |
| Series A-1 Cvt. Pfd. | 10/1/03 | 1,800,690 | 0.001 | 1,548 |
| Series B-1 Cvt. Pfd. | 6/4/07, 11/15/07 | 960,659 | 0.001 | 1,263 |
| (Restricted) Common | 5/24/01, 7/2/07 | 2,409,044 | 0.001 | 93 |
| Palyon Medical Corporation | 3124/01, 112/01 | 2,409,044 | 0.001 | 93 |
| | 4/29/00 | 2.050.000 | 0.21 | 2.050.000 |
| Series A Cvt. Pfd. | 4/28/09 | 2,950,000 | 0.21 | 2,950,000 |
| PHT Corporation | 7/00/01 | 1 205 551 | 0.70 | 4.200.000 |
| Series D Cvt. Pfd. | 7/23/01 | 4,205,754 | 0.78 | 4,200,000 |
| Series E Cvt. Pfd. | 9/12/03 - 10/14/04 | 941,669 | 0.78 | 939,506 |
| Series F Cvt. Pfd. | 7/21/08 | 122,580 | 0.78 | 116,363 |
| Songbird Hearing, Inc. | | | | |
| (Restricted) Common | 12/14/00 | 3,004,861 | 0.67 | 139 |
| Syntiro Healthcare Services | | | | |
| (Restricted) Common | 2/5/97 | 1,200,325 | 0.001 | 306 |
| TargeGen, Inc. | | | | |
| Series C Cvt. Pfd. | 8/30/05 | 2,763,495 | 0.87 | 1,840,007 |
| Series D Cvt. Pfd. | 5/8/07 | 764,407 | 0.87 | 508,624 |
| TherOx, Inc. | | | | |
| Series H Cvt. Pfd. | 9/11/00 | 3,002,748 | 1.66 | 108,181 |

| Series I Cvt. Pfd. | 7/8/05 | 579,958 | 1.66 | 247,939 |
|-------------------------------|-------------------|---------------|------|---------------|
| Warrants (expiration 1/26/11) | 1/26/05 | 0 | 0.00 | 0 |
| Warrants (expiration 6/09/10) | 6/9/04 | 0 | 0.00 | 0 |
| Xoft, Inc. | | | | |
| Series D Cvt. Pfd. | 3/23/07 | 2,958,518 | 2.50 | 2,304,688 |
| Series E Cvt. Pfd. | 6/20/08 | 592,532 | 2.50 | 441,618 |
| Cvt. Promissory Note | 6/12/09 | 590,000 | 1.00 | 590,000 |
| Warrants (expiration 6/12/12) | 6/12/09 | 59 | 0.00 | 0 |
| Zyomyx, Inc. | | | | |
| (Restricted) Common | 2/19/99 - 7/22/04 | 3,902,233 | 0.25 | 17 |
| | | \$ 65,293,105 | | \$ 42,554,929 |

⁽h) See Schedule of Investments and corresponding footnotes for more information on each issuer.

Federal Income Tax Cost - At June 30, 2009, the total cost of securities for Federal income tax purposes was \$362,212,420. The net unrealized loss on securities held by the Fund was \$28,491,232, including gross unrealized gain of \$38,098,679 and gross unrealized loss of \$66,589,911.

Affiliate Transactions - An affiliate issuer is a company in which the Fund holds 5% or more of the voting securities.

Transactions with such companies during the nine months ended June 30, 2009 were as follows:

| Issuer | Val | ue on October 1, 2008 | Purchases | Sales | Inco | me Value or | 1 June 30, 2009 |
|----------------------------|-----|--------------------------|-----------------|---------------|------|-------------|-----------------|
| Agilix Corporation | \$ | 141,809 | \$ | \$ | \$ | \$ | 141,809 |
| CardioKinetix, Inc. | | 2,359,999 | | | | | 2,359,999 |
| Concentric Medical, Inc. | | 10,192,176 | 652,013 | | | | 7,932,139 |
| CytoLogix Corporation (a) | | 802,074 | | 713,080 | | | 0 |
| Elemé Medical, Inc. | | 3,245,001 | | | | | 910,393 |
| Interlace Medical, Inc. | | | 2,065,000 | | | | 2,065,000 |
| Medwave, Inc. | | | | | | | 830 |
| Palyon Medical Corporation | | | 2,950,000 | | | | 2,950,000 |
| PHT Corporation | | 5,255,869 | | | | | 5,255,869 |
| | \$ | 21,996,928 | \$ 5,667,013 | \$ 713,080 | \$ | \$ | 21,616,039 |

⁽a) As of June 30, 2009 CytoLogix Corporation is no longer an affiliate.

Item 2. Controls and Procedures.

| registrant s disclosu procedures are adequ Form N-Q is (i) accu decisions regarding | The registrant s principal executive officer and principal financial officer have concluded, based on their evaluation of the are controls and procedures as conducted within 90 days of the filing date of this report, that these disclosure controls and mately designed and are operating effectively to ensure that information required to be disclosed by the registrant on annulated and communicated to the investment company s management, including its certifying officers, to allow timely required disclosure; and (ii) recorded, processed, summarized and reported within the time periods specified in the Securities mission s rules and forms. |
|--|--|
| ` ' | There were no changes in the registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the 1940 tring the registrant s last fiscal quarter that has materially affected, or is reasonably likely to materially affect, the registrant s financial reporting. |
| Item 3. Exhibits. | |

Separate certifications for each principal executive officer and principal financial officer of the registrant as required by Rule 30a-2(a) under the Act (17 CFR 270.30a-2(a)). Filed herewith (Exhibit 1).

SIGNATURES

Pursuant to the requirements of the Securities and Exchange Act of 1934 and the Investment Company Act of 1940, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

(Registrant) H&Q Healthcare Investors

By (Signature and Title) /s/ Daniel Omstead

Daniel Omstead, President

Date 8/28/09

Pursuant to the requirements of the Securities and Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the registrant and in the capacities and on the dates indicated.

By (Signature and Title) /s/ Laura Woodward

Laura Woodward, Treasurer

Date 8/28/09