H&Q HEALTHCARE INVESTORS Form N-Q August 27, 2010

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

OMB APPROVAL
OMB Number: 3235-0578
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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: 6/30/10

Item 1. Schedule of Investments.

H&O HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

JUNE 30, 2010

(Unaudited)

SHARES		VALUE
	CONVERTIBLE SECURITIES AND WARRANTS 10.3% of Net Assets	
	Convertible Preferred (Restricted)(a) (b) 9.7%	
	Biotechnologies/Biopharmaceuticals 1.1%	
306,413	MacroGenics, Inc. Series D	\$ 199,812
75,217	MacroGenics, Inc. Series D 18 Month Lock-up	0
2,123,077	TargeGen, Inc. Series C	2,760,000
586,871	TargeGen, Inc. Series D	762,932
		3,722,744
	Drug Discovery Technologies 1.4%	
2,380,953	Agilix Corporation Series B (c)	141,809
375,000	Ceres, Inc. Series C	2,437,500
32,193	Ceres, Inc. Series C-1	209,255
280,105	Ceres, Inc. Series D	1,820,683
	Ceres, Inc. Series F	265,499
8,170	Ceres, Inc. warrants (expiration 9/05/15)	0
,		4,874,746
	Healthcare Services 1.6%	
5,384,615	PHT Corporation Series D (c)	4,200,000
	PHT Corporation Series E (c)	939,506
	PHT Corporation Series F (c)	116,363
.,	· · · · · · · · · · · · · · · · · · ·	5,255,869
	Medical Devices and Diagnostics 5.6%	, ,
3,424,756	CardioKinetix, Inc. Series C (c)	2,359,999
	CardioKinetix, Inc. warrants (expiration 12/11/19) (c) (d)	0
	CardioKinetix, Inc. warrants (expiration 06/03/20) (c) (d)	0
	Concentric Medical, Inc. Series B (c)	2,523,529
	Concentric Medical, Inc. Series C (c)	906,977
, ,	Concentric Medical, Inc. Series D (c)	355,160
,	Concentric Medical, Inc. Series E (c)	339,047
,	Elemé Medical, Inc. Series C (c)	927,636
, ,	Interlace Medical, Inc. Series C (c)	2,065,000
	Labcyte Inc. Series C	1,920,000
	Magellan Biosciences, Inc. Series A	3,109,861
	Magellan Biosciences, Inc. warrants (expiration 4/01/19)	0
	Magellan Biosciences, Inc. warrants (expiration 5/06/19)	0
	OmniSonics Medical Technologies, Inc. Series A-1	1,548
1,263,099	OmniSonics Medical Technologies, Inc. Series B-1	1,263
13,823,805	Palyon Medical Corporation Series A (c)	2,211,809
65,217	TherOx, Inc. Series H	108,181
149,469	TherOx, Inc. Series I	247,939
4,220	TherOx, Inc. warrants (expiration 1/26/11)	0
8,141	TherOx, Inc. warrants (expiration 1/20/11)	0
921,875	Xoft, Inc. Series D	1,382,812
176,647	Xoft, Inc. Series E	264,971
170,017	101, 110. 00100 2	201,271

Convertible Preferred (Restricted)(a) (b) continued N/A Xoft, Inc. warrants (expiration 6/12/14) (d) PRINCIPAL AMOUNT Convertible Notes (Restricted)(a) 0.6% Biotechnologies/Biopharmaceuticals 0.1% \$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 Medical Devices and Diagnostics 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	\$ 7,375 219,313
PRINCIPAL AMOUNT Convertible Notes (Restricted)(a) 0.6% Biotechnologies/Biopharmaceuticals 0.1% \$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 Medical Devices and Diagnostics 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	\$ 18,725,732 32,579,091 7,375
Convertible Notes (Restricted)(a) 0.6% Biotechnologies/Biopharmaceuticals 0.1% \$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 Medical Devices and Diagnostics 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	32,579,091 7,375
Convertible Notes (Restricted)(a) 0.6% Biotechnologies/Biopharmaceuticals 0.1% \$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 Medical Devices and Diagnostics 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	7,375
Convertible Notes (Restricted)(a) 0.6% Biotechnologies/Biopharmaceuticals 0.1% \$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 Medical Devices and Diagnostics 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	,
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\$ 7,375 Euthymics Bioscience, Inc., Cvt. Promissory Notes, 8.00% due 2010 219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 **Medical Devices and Diagnostics** 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 **TOTAL CONVERTIBLE SECURITIES AND WARRANTS** (Cost \$50,345,627) SHARES **COMMON STOCKS AND WARRANTS** 86.8%	,
219,313 TargeGen, Inc., Cvt. Promissory Notes, 8.00% due 2010 **Medical Devices and Diagnostics** 0.5% 531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 **TOTAL CONVERTIBLE SECURITIES AND WARRANTS** (Cost \$50,345,627) SHARES **COMMON STOCKS AND WARRANTS** 86.8%	,
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531,178 CardioKinetix, Inc., Cvt. Promissory Notes, 4.25% due 2010 (c) 756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	,
756,794 Elemé Medical, Inc., Subordinated Cvt. Promissory Notes, 10.50% due 2012 (c) 590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	531,178
590,000 Xoft, Inc., Cvt. Promissory Notes, 10.00% due 2010 TOTAL CONVERTIBLE SECURITIES AND WARRANTS (Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	756,794
(Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	590,000
(Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	1,877,972
(Cost \$50,345,627) SHARES COMMON STOCKS AND WARRANTS 86.8%	2,104,660
SHARES COMMON STOCKS AND WARRANTS 86.8%	
COMMON STOCKS AND WARRANTS 86.8%	34,683,751
COMMON STOCKS AND WARRANTS 86.8%	
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Biotechnologies/Biopharmaceuticals 27.9%	7.145.000
229,701 Acorda Therapeutics Inc. (b)	7,145,998
100,890 Alexion Pharmaceuticals, Inc. (b)	5,164,559
57,000 AMAG Pharmaceuticals, Inc. (b)	1,957,950
252,444 Amgen Inc. (b) (i)	13,278,554
207,326 Amylin Pharmaceuticals, Inc. (b)	3,897,729
5,910,745 Antisoma plc (b) (e) 118,000 Athersys, Inc. warrants (Restricted, expiration 6/08/12) (a) (b)	512,898
119,000 Addersys, file. warrants (Restricted, expiration 6/06/12) (a) (b) 119,000 Baxter International Inc.	4,836,160
296,744 Celgene Corporation (b)	15,080,530
105,850 Cephalon, Inc. (b)	6,006,988
160,705 Cubist Pharmaceuticals, Inc. (b)	3,310,523
48,380 Dendreon Corporation (b)	1,564,125
107,383 Genzyme Corporation (b)	5,451,835
314,938 Gilead Sciences, Inc. (b)	10,796,075
58,000 Human Genome Sciences, Inc. (b)	1,314,280
191,742 InterMune, Inc. (b)	1,792,788
164,616 Martek Biosciences Corporation (b)	3,903,045
97,940 Vertex Pharmaceuticals Inc. (b)	3,222,226
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390,554 XenoPort, Inc. (b) 34,6	C
390,554 XenoPort, Inc. (b) 3, 94,0	
Drug Delivery 0.1% 287,106 Penwest Pharmaceuticals Co. warrants (Restricted, expiration 3/11/13) (a) (b) 2 Drug Discovery Technologies 0.1%	91,680
Drug Delivery 0.1% 287,106 Penwest Pharmaceuticals Co. warrants (Restricted, expiration 3/11/13) (a) (b) 2 Drug Discovery Technologies 0.1% 11,441 Clinical Data, Inc. (b) 1 243,433 Clinical Data, Inc. CVR (Restricted) (a) (b) (f) 18,728 Furiex Pharmaceuticals Inc (b) 70 Zyomyx, Inc. (Restricted) (a) (b) Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 34,263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 342,877 Teva Pharmaceutical Industries, Ltd. (g) 342,877 Teva Pharmaceutical Industries, Ltd. (g) 317,221 Aetna Inc.	31,335
287,106 Penwest Pharmaceuticals Co. warrants (Restricted, expiration 3/11/13) (a) (b) Drug Discovery Technologies 0.1% 11,441 Clinical Data, Inc. (b) 1 243,433 Clinical Data, Inc. CVR (Restricted) (a) (b) (f) 1 18,728 Furiex Pharmaceuticals Inc (b) 1 70 Zyomyx, Inc. (Restricted) (a) (b) 3 Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,5 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 3,4 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	59,278
Drug Discovery Technologies 0.1% 11,441 Clinical Data, Inc. (b) 1 243,433 Clinical Data, Inc. CVR (Restricted) (a) (b) (f) 1 18,728 Furiex Pharmaceuticals Inc (b) 1 70 Zyomyx, Inc. (Restricted) (a) (b) 3 Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,5 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	
11,441 Clinical Data, Inc. (b) 1 243,433 Clinical Data, Inc. CVR (Restricted) (a) (b) (f) 18,728 Furiex Pharmaceuticals Inc (b) 1 70 Zyomyx, Inc. (Restricted) (a) (b) 3 Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,9 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 3,4 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	89,977
243,433 Clinical Data, Inc. CVR (Restricted) (a) (b) (f) 18,728 Furiex Pharmaceuticals Inc (b) 70 Zyomyx, Inc. (Restricted) (a) (b) Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 342,877 Teva Pharmaceutical Industries, Ltd. (g) Healthcare Services 17.7% 317,221 Aetna Inc.	
18,728 Furiex Pharmaceuticals Inc (b) 1 70 Zyomyx, Inc. (Restricted) (a) (b) 3 Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,5 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 3,4 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	42,326
70 Zyomyx, Inc. (Restricted) (a) (b) Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 342,877 Teva Pharmaceutical Industries, Ltd. (g) Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	28,466
Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,5	90,276
Generic Pharmaceuticals 10.7% 1,321,151 Akorn, Inc. (b) 3,9 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 34 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	18
1,321,151 Akorn, Inc. (b) 3,9 202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	61,086
202,223 Akorn, Inc. warrants (Restricted, expiration 3/08/11) (a) (b) 179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	
179,671 Impax Laboratories, Inc. (b) 3,4 263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	23,819
263,548 Mylan Inc. (b) 4,4 106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	32,356
106,376 Perrigo Company (i) 6,2 342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	24,529
342,877 Teva Pharmaceutical Industries, Ltd. (g) 17,8 35,9 Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	90,858
35,9 **Healthcare Services** 17.7% 317,221 Aetna Inc. 8,3	83,630
Healthcare Services 17.7% 317,221 Aetna Inc. 8,3	26,175
317,221 Aetna Inc. 8,3	81,367
	68,290
	22,220
	83,618
	30,184
	86,267
	50,639
	34,485
185,959 WellPoint, Inc. (b) 9,0	98,974
	74,677
Medical Devices and Diagnostics 22.7%	
, 8 8, 7	60,728
, , , , ,	00,065
	32,853
	40,659
	38,030
	93,694
	12,880
	79,355
	12,433
160,000 Masimo Laboratories, Inc. (Restricted) (a) (b)	63,239
830,292 Medwave, Inc. (b) (c)	4,069
	,

SHARES		VALUE
	Medical Devices and Diagnostics continued	
207,573	Medwave, Inc. warrants (Restricted, expiration 8/21/11) (a) (b) (c)	\$ 0
115,798	Myriad Genetics, Inc. (b)	1,731,180
93,008	OmniSonics Medical Technologies, Inc. (Restricted) (a) (b)	93
507,291	PerkinElmer, Inc.	10,485,705
208	Songbird Hearing, Inc. (Restricted) (a) (b)	139
215,477	Stryker Corporation	10,786,779
		76,541,901
	Pharmaceuticals 7.6%	
81,320	Endo Pharmaceuticals Holdings Inc. (b)	1,774,402
390,301	Forest Laboratories, Inc. (b)	10,705,956
281,032	Pfizer Inc.	4,007,516
74,232	Shire plc (g)	4,556,360
206,323	Warner Chilcott plc (b)	4,714,481
		25,758,715
	TOTAL COMMON STOCKS AND WARRANTS	
	(Cost \$310,204,300)	292,667,001
PRINCIPAL		
AMOUNT		
	SHORT-TERM INVESTMENT 3.2%	
\$ 10,725,000	Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$10,725,000	
	(collateralized by U.S. Treasury Bill 2.5%, 04/30/15, market value \$10,939,806); 0.0% due	
	07/01/10	10,725,000
	TOTAL SHORT-TERM INVESTMENTS	
	(Cost \$10,725,000)	10,725,000
	TOTAL INVESTMENTS BEFORE OUTSTANDING OPTIONS WRITTEN 100.3%	
	(Cost \$371,274,927)	338,075,752
NUMBER OF		
CONTRACTS		
(100 SHARES EACH)		
EACH)	CALL OPTION CONTRACTS WRITTEN 0.0%	
1 033	VIVUS, Inc., strike @ 15, expires Jul - 2010	(82,640)
1,033	· · · · · · · · · · · · · · · · · · ·	(2,480)
240	TOTAL CALL OPTION CONTRACTS WRITTEN	(2,400)
		(05.120)
	(Premiums received \$267,926)	(85,120)

	VALUE
TOTAL INVESTMENTS NET OF OUTSTANDING OPTIONS WRITTEN 100.3%	
(Cost \$371,007,001)	\$ 337,990,632
OTHER LIABILITIES IN EXCESS OF ASSETS - (0.3%)	(1,168,755)
NET ASSETS - 100%	336,821,877

- (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 \$18,378,876).
- (d) Number of warrants to be determined at a future date.
- (e) Foreign security.
- (f) Contingent Value Rights
- (g) American Depositary Receipt.
- (h) Security exempt from registration under Rule 144A of the Securities Act of 1933, as amended. These securities may be resold in transactions exempt from registration, normally to qualified institutional buyers.
- (i) A portion of security is pledged as collateral for call options written.

Other Information Financial Accounting Standards Board Accounting Standards Codification No. 820, Fair Value Measurements and Disclosures, establishes a three-tier hierarchy to prioritize the assumptions, referred to as inputs, used in valuation techniques to measure fair value. The three-tier hierarchy of inputs is summarized in the three broad levels listed below:

- 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 the fair value of investments)

These inputs or methodology used for valuing securities are 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, 2010 to value the Fund s net assets:

Assets at Value	Level 1	Level 2	Level 3	Total
Convertible Securities and Warrants				
Biotechnologies/Biopharmaceuticals			\$ 3,949,432 \$	3,949,432
Drug Discovery Technologies			4,874,746	4,874,746
Healthcare Services			5,255,869	5,255,869
Medical Devices and Diagnostics			20,603,704	20,603,704
Common Stocks and Warrants				
Biotechnologies/Biopharmaceuticals	\$ 94,059,278			94,059,278
Drug Delivery			289,977	289,977
Drug Discovery Technologies	332,602		28,484	361,086
Generic Pharmaceuticals	35,949,011		32,356	35,981,367
Healthcare Services	57,452,457		2,222,220	59,674,677
Medical Devices and Diagnostics	76,478,430		63,471	76,541,901
Pharmaceuticals	25,758,715			25,758,715
Short-Term Investments		\$ 10,725,000		10,725,000
Other Assets			570,902	570,902
Total	\$ 290,030,493	\$ 10,725,000	\$ 37,891,161 \$	338,646,654

Liabilities at Value	Level 1	Level 2	Level 3	Total
Option Contracts Written	\$	\$	\$ (85,120) \$	(85,120)

				alized gain/loss and ange in unrealized					
		Balance as of	Accrued	appreciation	Net transfers in Balance as of June				
Level 3 Assets	Sep	tember 30, 200 disc	ounts/premiums	(depreciation)	Net	purchases/sales(out of)	Level 3	30, 2010	
Convertible Securities and Warrants									
Biotechnologies/Biopharmaceuticals	\$	2,690,796	\$	1,134,542	\$	124,094	\$	3,949,432	
Drug Discovery Technologies		4,874,746						4,874,746	
Healthcare Services		5,255,869						5,255,869	
Medical Devices and Diagnostics		27,394,646		(4,151,931)		(2,639,012)		20,603,703	
Common Stocks and Warrants									
Biotechnologies/Biopharmaceuticals		277,541		258,802		(536,343)			

Drug Delivery		267,009			22,968				289,977		
Drug Discovery Technologies	ry Technologies 38,163 (9,679)										
Generic Pharmaceuticals	Pharmaceuticals 30,333 2,023								32,356		
Healthcare Services	hcare Services 2,222,220										
Medical Devices and Diagnostics		69,480			(6,008)				63,472		
Other Assets		922,146			640,256		(991,500)		570,902		
Total	\$	44,042,949	\$	\$	(2,109,027)	\$	(4,042,761) \$	\$	37,891,161		
Level 3 Liabilities											
Option Contracts Written	\$		\$	\$	182,806		(267,926) \$	\$	(85,120)		
Net change in unrealized appreciation	\$	(4,507,184)									

In January 2010, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update 2010-06, *Improving Disclosures about Fair Value Measurements* (ASU 2010-06). ASU 2010-06 requires new disclosures regarding transfers in and out of Levels 1 and 2 effective for interim and annual reporting periods beginning after December 15, 2009. For the period ended June 30, 2010, there were no transfers between Levels 1 and 2. ASU 2010-06 will also require additional details regarding Level 3 transaction activity effective for interim and annual periods beginning after December 15, 2010. Management is currently evaluating the effect that this additional requirement will have on the Fund s financial statements.

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 regular oversight and ratification by the Trustees. 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; (iii) the price of a security negotiated at arm s length in an issuer s completed subsequent round of financing; and (iv) the price and extent of public trading in similar securities of the issuer or of comparable companies. Short-term investments with maturity of 60 days or less are valued at amortized cost, which approximates fair value.

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 11% of the Fund s net assets at June 30, 2010. 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, 2010. The Fund on its own does not have the right to demand that such securities be registered.

Security (j)	Acquisition Date	Cost	Carrying Value per Unit	Value
Agilix Corporation	2	0000	per cine	, and
Series B Cvt. Pfd.	11/08/01	\$ 2,495,500	\$ 0.06	\$ 141,809
Akorn, Inc.	11,00,01	2, ., e, e o o	Ψ 0.00	Ţ 111,005
Warrants (expiration 3/08/11)	3/07/06	0	0.16	32,356
Athersys, Inc.	2,0,,00		0.10	52,550
Warrants (expiration 6/08/12)	6/07/07	0	0.00	0
Aveta, Inc.	5, 5, 7, 5,	· ·	0.00	ŭ
Common	12/21/05	3,004,731	10.00	2,222,220
CardioKinetix, Inc.	12,21,00	2,001,721	10.00	_,,_
Series C Cvt. Pfd.	5/22/08	2,367,320	0.69	2,359,999
Cvt. Promissory Notes	12/10/09 - 6/03/10	538,119	1.00	531,178
Warrants (expiration 12/11/19)	12/10/09, 2/11/10	177	0.00	0
Warrants (expiration 6/03/20)	06/03/10	89	0.00	0
Ceres, Inc.	00/03/10	07	0.00	
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.	9/05/07	268,136	6.50	265,499
Warrants (expiration 9/05/15)	9/05/07	0	0.00	0
Clinical Data, Inc.	2103101	U	0.00	O .
Contingent Value Rights	5/28/09	0	0.12	28,466
Concentric Medical, Inc.	3120107	U	0.12	20,400
Series B Cvt. Pfd.	5/07/02, 1/24/03	3,330,988	0.52	2,523,529
Series C Cvt. Pfd.	12/19/03	1,500,818	0.52	906,977
Series D Cvt. Pfd.	9/30/05	958,007	0.52	355,160
Series E Cvt. Pfd.	12/18/08	655,011	0.52	339,047
Elemé Medical, Inc.	12/10/00	055,011	0.32	337,047
Series C Cvt. Pfd.	7/15/08	3,253,120	0.54	927,636
Subordinated Cvt. Promissory Notes	12/18/09 - 6/04/10	768,249	1.00	756,794
Euthymics Bioscience, Inc.	12/10/07 - 0/04/10	700,247	1.00	130,174
Subordinated Cvt. Promissory Note	5/14/10	7,375	1.00	7,375
Interlace Medical, Inc.	3/14/10	1,515	1.00	1,313
Series C Cvt. Pfd.	6/10/09	2,072,857	1.10	2,065,000
Labcyte Inc.	0/10/07	2,072,037	1.10	2,003,000
Series C Cvt. Pfd.	7/18/05	1,924,893	0.52	1,920,000
MacroGenics, Inc.	7/10/03	1,724,073	0.32	1,720,000
Series D Cvt. Pfd.	9/04/08	1,002,546	0.65	199,812
Series D Cvt. Pfd. 18 Month Lock-up	9/04/08	315,748	0.00	0
Magellan Biosciences, Inc.	7/0 -1 /00	313,740	0.00	U
Series A Cvt. Pfd.	11/28/06 - 5/12/09	3,117,537	1.00	3,109,861
Warrants (expiration 4/01/19)	4/03/09	0,117,557	0.00	0,109,801
Warrants (expiration 5/06/19)	5/12/09	0	0.00	0
Masimo Laboratories, Inc.	3/12/07	- U	0.00	U
Common	3/31/98	0	0.40	63,239
Medwave, Inc.	3/31/76	U	0.40	05,259
Warrants (expiration 8/21/11)	8/21/06	0	0.00	0
OmniSonics Medical Technologies, Inc.	8/21/00	U	0.00	U
Series A-1 Cvt. Pfd.	10/01/03	1,801,555	0.001	1,548
Series B-1 Cvt. Pfd.	6/04/07, 11/15/07	961,365	0.001	1,263
Common	5/24/01, 7/02/07	2,409,096	0.001	93
	5/24/01, //02/0/	2,409,090	0.001	93
Palyon Medical Corporation	4/20/00	2.067.402	0.16	2 211 900
Series A Cvt. Pfd. Penwest Pharmaceuticals Co.	4/28/09	2,967,403	0.10	2,211,809
	3/11/08	0	1.01	200 077
Warrants (expiration 3/11/13)	3/11/08	0	1.01	289,977
PHT Corporation	7/02/01	4.005.754	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.				
Common	12/14/00	3,004,861	0.67	139
TargeGen, Inc.				
Series C Cvt. Pfd.	8/30/05	2,763,495	1.30	2,760,000
Series D Cvt. Pfd.	5/08/07	764,407	1.30	762,932
Cvt. Promissory Notes	9/08/09, 10/09/09	226,375	1.00	219,313
TherOx, Inc.				
Series H Cvt. Pfd.	9/11/00	3,002,748	1.66	108,181
Series I Cvt. Pfd.	7/08/05	579,958	1.66	247,939
Warrants (expiration 1/26/11)	1/26/05	0	0.00	0
Warrants (expiration 2/06/11)	6/09/04	0	0.00	0
Xoft, Inc.				
Series D Cvt. Pfd.	3/23/07	2,958,518	1.50	1,382,812
Series E Cvt. Pfd.	6/20/08	592,532	1.50	264,971
Cvt. Promissory Note	6/12/09	598,183	1.00	590,000
Warrants (expiration 6/12/14)	6/12/09	59	0.00	0
Zyomyx, Inc.				
Common	2/19/99 - 7/22/04	3,902,233	0.25	18
		\$ 62,666,546		\$ 37,320,259

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

Federal Income Tax Cost - At June 30, 2010, the total cost of securities for Federal income tax purposes was \$371,007,001. The net unrealized loss on securities held by the Fund was \$33,016,369, including gross unrealized gain of \$29,803,156 and gross unrealized loss of \$62,819,525.

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 period ended June 30, 2010 were as follows:

Issuer	•	Value on October 1, 2009	Purchases	Sales	Income	V	alue on June 30, 2010
Agilix Corporation	\$	141,809		\$		\$	141,809
CardioKinetix, Inc.		2,359,999	\$ 531,355		\$ 15,761		2,891,177
Concentric Medical, Inc.		7,932,139					4,124,713
Elemé Medical, Inc.		910,393	756,794		38,230		1,684,430
Interlace Medical, Inc.		2,065,000					2,065,000
Medwave, Inc.		16,606					4,069
Palyon Medical							
Corporation		2,950,000					2,211,809
PHT Corporation		5,255,869					5,255,869
	\$	21,631,815	\$ 1,288,149	\$	\$ 53,991	\$	18,378,876

Item 2. Controls and Procedures.

(a.)	The registrant s principal executive officer and principal financial officer have concluded, based on their evaluation of the registrant	S
disclosure	controls and procedures as conducted within 90 days of the filing date of this report, that these disclosure controls and procedures ar	e
adequately	y designed and are operating effectively to ensure that information required to be disclosed by the registrant on Form N-Q is	
(i) accumu	ulated and communicated to the investment company s management, including its certifying officers, to allow timely decisions	
regarding	required disclosure; and (ii) recorded, processed, summarized and reported within the time periods specified in the Securities and	
Exchange	Commission s rules and forms.	

(b.)	There were no changes	s in the registrant	s internal contro	ol over financial	l reporting (as defined in	n Rule 30a-3(d)) under the	1940 Act
that occurre	ed during the registrant	s last fiscal quart	er that has mater	rially affected, o	or is reasona	bly likely to	materially affe	ect, the regi	strant s
internal cor	ntrol over financial repo	rting.							

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.

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 R. Omstead

Daniel R. Omstead, President

Date 8/27/2010

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 8/27/2010