

H&Q HEALTHCARE INVESTORS



Annual Report

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o our Shareholders:

On September 30, 2008, the net asset value (NAV) per share of the Fund was \$16.58. During the twelve-month period ended September 30, 2008, total return at NAV of your Fund was -4.79%. During the most recent six-month period ended September 30, 2008, total return at NAV of your Fund was 1.27%. The total investment return at market was -12.96% during the twelve-month period ended September 30, 2008 and was -4.50% during the six-month period ended September 30, 2008. Comparisons to relevant indices are listed below:

Investment Returns	Six Months Ended 9/30/08	Fiscal Year Ended 9/30/08
Investment Return at Market	-4.50%	-12.96%
Net Asset Value	+1.27%	-4.79%
NASDAQ Biotech Index (NBI)	+7.07%	-2.12%
S&P 500 Index	-10.87%	-21.98%

These returns clearly indicate that during the twelve-month period ended September 30, 2008, performance in both the healthcare sector (as measured by the NBI) and the broader market has been weak. While we compare Fund performance to various indices, no one can be pleased with a loss of asset value over a one year period. Whether it is a -21.98% return in the S&P 500 Index or a -4.79% return at NAV, overall we are not happy with Fund performance when it is negative.

To a limited degree we take some solace in the NAV of your Fund outperforming the S&P 500 Index and being above average in comparison to other healthcare investors (according to FactSet Research, the total return for the average of 204 healthcare funds during the twelve-month period ending September 30, 2008 was -11.37% vs. -4.79% for the Fund's NAV). Thus the NAV performance of your Fund compares favorably to the performance of other healthcare funds. Despite this, we are nonetheless displeased that the Fund's return at NAV and return at market trailed the NBI.

We continue to analyze our NAV performance versus the NBI to assess our strategic approach to stock picking. Over the last one to two years, we have generally increased our exposure to larger (though still mid-cap in traditional parlance) NBI companies while decreasing our exposure to the smallest public healthcare companies. Over recent years, the smallest public healthcare companies have generally underperformed the NBI. On the other hand, the largest company components in the NBI (e.g., Amgen, Inc., Gilead Sciences, Inc., Celgene Corporation, Teva Pharmaceutical Industries, Ltd., Genzyme Corporation and Biogen Idec Inc.) have generally outperformed the index over the same period. We have continued to increase the Fund's ownership of these companies. As of September 30, 2008, these six companies comprised 20.36% of Fund assets.

Certainly the dominant issue in both the healthcare sector and the broader market over the last several months has been the credit crisis and the ensuing market turbulence. This highly volatile time has continued into October. For growing healthcare companies (the emphasis of our Fund's efforts), it is our view that smaller, public pre-revenue development stage companies will be most negatively affected by the residual impact of the credit crisis. Our observation is that this group of companies have a relatively greater, more frequent need to access the public market for capital and have a greater need for debt financing vehicles. It is also our impression that such capital will be increasingly more difficult to obtain or will be available on less attractive terms. We expect that while this group of companies may exhibit short-term periods of out-performance, over the intermediate and long-term these smaller companies will struggle. As such, we have decreased our exposure to such companies. On September 30, 2008, a total of 4.7% of Fund assets were held in public companies with market capitalization of \$500 million or less versus a weighting of 10.9% in the NBI as of September 30, 2008.

In addition to recent macro market trends, we have observed a number of healthcare specific trends. In recent months, there has been a spate of new clinical data and other product related events reported. As is typical, some reports have been favorable to the reporting company and the healthcare sector while others have been less favorable. Probably the most notable was the favorable data released by Amgen, Inc. regarding its denosumab antibody which is used in the treatment of osteoporosis. Other positive reports included generally favorable data from Vertex Pharmaceuticals Inc. regarding its treatment for hepatitis C as well as the approval of Genentech's Avastin product for use in breast cancer (after a less than favorable FDA panel review) and the filing by United Therapeutics Corporation of inhaled Remodulin for use in pulmonary arterial hypertension. On the other hand, examples of unfavorable data were reported by Savient Pharmaceuticals, Inc., Rigel Pharmaceuticals, Inc., Cardiome Pharma Corp. and Myriad Genetics, Inc.

In general, it appears that the FDA has continued to take a conservative approach to its review of drugs and other products. In particular, we observe what appears to us to be a trend toward increased safety concerns regarding specific drug products. For example, varying degrees of concern have been expressed regarding the cholesterol lowering drug, Vytorin (which is marketed by Merck/Schering Plough Pharmaceuticals), the MS drug, Tysabri (Biogen Idec Inc. and Elan Pharmaceuticals, Inc.), Merck's vaccine, Gardasil, and Amylin's diabetes drug, Byetta.

Another trend appears to be a continued interest in mergers and acquisitions. In recent months, the acquisition of a number of product related healthcare companies has been proposed or announced, including Genentech, Inc., Barr Pharmaceuticals, Inc. and Xanthus Pharmaceuticals, Inc., which are portfolio companies of the Fund. In addition, the

acquisition of ImClone Systems Inc., not owned by the Fund, was also proposed. CVS Caremark Corporation, a Fund portfolio company, acquired Longs Drug Stores.

During the Fund's fiscal year ended September 30, 2008, the best performing assets in the Fund's portfolio included its position in CardioNet, Inc. (which completed an IPO in March 2008), Agensys, Inc. (which was acquired), Momenta Pharmaceuticals, Inc., Masimo Corporation, I-trax, Inc. (which was acquired) and Adams Respiratory Therapeutics, Inc. (which was acquired). Conversely, during this period, the worst performing assets included the Fund's positions in ACADIA Pharmaceuticals Inc., Align Technology, Inc., Inverness Medical Innovations, Inc., WellPoint, Inc., Hologic, Inc. and Exelixis, Inc.

During the twelve-month period ended September 30, 2008, within the public portfolio, the Fund established positions in several companies, including BioMarin Pharmaceutical Inc., Myriad Genetics, Inc., OSI Pharmaceuticals, Inc., United Therapeutics Corporation and XenoPort, Inc. During the same twelve-month period, the Fund exited its position in several companies, including Adams Respiratory Therapeutics, Inc., Cubist Pharmaceuticals, Inc., Cytoc Corporation (through its merger with Hologic, Inc.), Mentor Corporation and Schering-Plough Corporation.

During the same twelve-month period, within the venture portfolio, the Fund established positions in CardioKinetix, Inc., Elemé Medical, Inc. and MacroGenics, Inc. (when Macrogenics purchased Raven Biotechnologies, Inc.). The Fund made follow-on investments in OmniSonics Medical Technologies, Inc., PHT Corporation and Xoft, Inc. The Fund also made a private investment in the public entity Penwest Pharmaceuticals Co. Exits within the venture portfolio during the period were Agensys, Inc., which was purchased by Astellas Pharma Inc., I-TRAX, Inc., which was purchased by Walgreen Co., Xanthus Pharmaceuticals, Inc., which was acquired by Antisoma Plc. and Athersys, Inc. when its registration statement was declared effective by the SEC and the company's shares became publicly traded. Additionally, CardioNet, Inc. and Masimo Corporation exited the venture portfolio, but remained Fund assets after completing IPOs and Dako A/S exited the venture portfolio when it was converted to cash through a tender offer.

As always, if you have questions, please feel free to call us at (617) 772-8500.



Daniel R. Omstead
President

H&Q HEALTHCARE INVESTORS

LARGEST HOLDINGS BY ISSUER

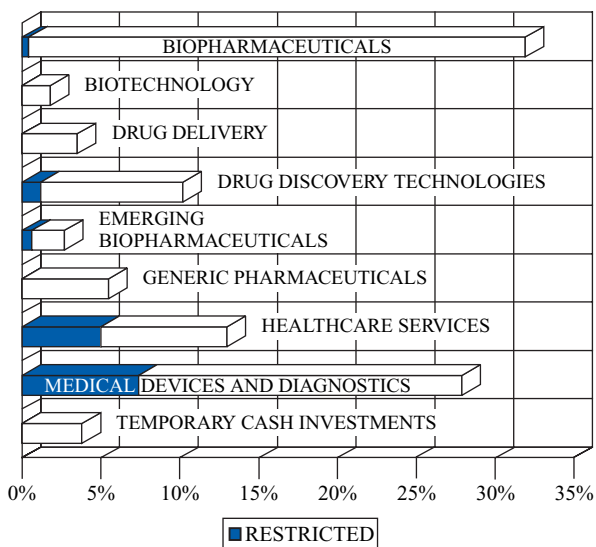
As of September 30, 2008

	<u>% of Net Assets</u>
Gilead Sciences, Inc.	4.29%
Genzyme Corporation	4.16%
Celgene Corporation	3.84%
Amgen Inc.	3.24%
Teva Pharmaceutical Industries, Ltd.	3.04%
CardioNet, Inc.	2.90%
Baxter International Inc.	2.76%
Concentric Medical, Inc.	2.53%
CVS Caremark Corporation	2.37%
Masimo Corporation	2.35%

H&Q HEALTHCARE INVESTORS

PORTFOLIO

As of September 30, 2008



H&Q HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2008

CONVERTIBLE SECURITIES

AND WARRANTS - 10.7% OF NET ASSETS

SHARES	Convertible Preferred (Restricted) ^(a) - 10.7%	VALUE
<i>Drug Discovery Technologies - 1.2%</i>		
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
300,000	Zyomyx, Inc. Series A New ^(b)	30,000
300	Zyomyx, Inc. Series B New ^(b)	30
<i>Emerging Biopharmaceuticals - 0.6%</i>		
306,413	MacroGenics, Inc. Series D ^(b)	199,812
75,217	MacroGenics, Inc. Series D ^(b)	32,697
2,123,077	TargeGen, Inc. Series C ^(b)	1,840,007
586,871	TargeGen, Inc. Series D ^(b)	508,624
<i>Healthcare Services - 1.5%</i>		
484,829	CytoLogix Corporation Series A ^{(b) (c)}	4,848
227,130	CytoLogix Corporation Series B ^{(b) (c)}	797,226
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
<i>Medical Devices and Diagnostics - 7.4%</i>		
3,424,756	CardioKinetix, Inc. Series C ^{(b) (c)}	2,359,999
4,852,940	Concentric Medical, Inc. Series B ^{(b) (c)}	6,794,116
1,744,186	Concentric Medical, Inc. Series C ^{(b) (c)}	2,441,860
683,000	Concentric Medical, Inc. Series D ^{(b) (c)}	956,200
1,724,230	Elemé Medical, Inc. Series C ^{(b) (c)}	3,245,001
222,222	EPR, Inc. Series A ^(b)	2,222
2,292,152	FlowCardia, Inc. Series C ^(b)	2,458,333
3,669,024	Labcyte Inc. Series C ^(b)	1,920,000
2,950,000	Magellan Biosciences, Inc. Series A ^(b)	2,950,000
1,547,988	OmniSonics Medical Technologies, Inc. Series A-1 ^(b)	879,257
1,263,099	OmniSonics Medical Technologies, Inc. Series B-1 ^(b)	717,440
65,217	TherOx, Inc. Series H ^(b)	416,085
149,469	TherOx, Inc. Series I ^(b)	953,612
4,220	TherOx, Inc. warrants (expiration 1/26/10) ^(b)	0
8,141	TherOx, Inc. warrants (expiration 6/09/09) ^(b)	0
921,875	Xoft, Inc. Series D ^(b)	3,079,063
176,647	Xoft, Inc. Series E ^(b)	590,001
TOTAL CONVERTIBLE SECURITIES AND WARRANTS		\$43,307,048
(Cost \$48,505,938)		

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2008

(continued)

SHARES	COMMON STOCKS AND WARRANTS - 85.6%	VALUE
Biopharmaceuticals - 31.9%		
1,033,968	Akorn, Inc. ^(b)	\$5,304,256
202,223	Akorn, Inc. warrants (expiration 3/08/11) ^{(a) (b)}	220,423
219,993	Amgen Inc. ^(b)	13,038,985
80,000	Amylin Pharmaceuticals, Inc. ^(b)	1,617,600
756,876	Antisoma Plc ^{(b) (d)}	266,446
4,624,175	Antisoma Plc 12 Month Lock-up (Restricted) ^{(a) (b) (d)}	1,302,292
513,798	Antisoma Plc 18 Month Lock-up (Restricted) ^{(a) (b) (d)}	126,612
161,300	Biogen Idec Inc. ^(b)	8,111,777
217,300	BioMarin Pharmaceutical Inc. ^(b)	5,756,277
127,450	Forest Laboratories, Inc. ^(b)	3,604,286
98,530	Genentech, Inc. ^(b)	8,737,641
207,018	Genzyme Corporation ^(b)	16,745,686
379,540	Gilead Sciences, Inc. ^(b)	17,299,433
201,404	Hologic, Inc. ^(b)	3,893,139
12,785	Intuitive Surgical, Inc. ^(b)	3,080,929
247,845	Martek Biosciences Corporation	7,787,290
265,600	Medarex, Inc. ^(b)	1,718,432
104,265	Medicines Company ^(b)	2,421,033
45,900	Merck & Co., Inc.	1,448,604
137,605	Myriad Genetics, Inc. ^(b)	8,927,813
198,610	Omrix Biopharmaceuticals, Inc. ^(b)	3,563,063
226,500	Vertex Pharmaceuticals Inc. ^(b)	7,528,860
120,589	XenoPort, Inc. ^(b)	5,847,361
		<u>128,348,238</u>
Biotechnology - 1.8%		
472,000	Athersys, Inc. ^(b)	821,280
118,000	Athersys, Inc. warrants (expiration 6/08/12) ^{(a) (b)}	18,880
489,250	Momenta Pharmaceuticals, Inc. ^(b)	6,414,067
		<u>7,254,227</u>
Drug Delivery - 3.5%		
327,450	Alkermes, Inc. ^(b)	4,355,085
284,000	CVS Caremark Corporation	9,559,440
		<u>13,914,525</u>
Drug Discovery Technologies - 9.0%		
243,433	Avalon Pharmaceuticals, Inc. ^(b)	77,947
244,730	Celgene Corporation ^(b)	15,486,514
123,508	Cougar Biotechnology, Inc. ^(b)	4,123,932
113,400	OSI Pharmaceuticals, Inc. ^(b)	5,589,486
574,211	Penwest Pharmaceuticals Co. ^(b)	1,182,875
287,106	Penwest Pharmaceuticals Co. warrants (expiration 3/11/13) ^{(a) (b)}	281,364
89,300	United Therapeutics Corporation ^(b)	9,391,681

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2008

(continued)

SHARES	Drug Discovery Technologies - continued	VALUE
300,000	Zyomyx, Inc. (Restricted) ^{(a) (b)}	\$3,000
		<u>36,136,799</u>
	Emerging Biopharmaceuticals - 2.1%	
621,473	ACADIA Pharmaceuticals Inc. ^(b)	1,665,548
170,698	DOV Pharmaceutical, Inc. warrants (expiration 12/31/09) ^{(a) (b)}	0
1,081,250	Exelixis, Inc. ^(b)	6,574,000
454,078	NitroMed, Inc. ^(b)	208,876
		<u>8,448,424</u>
	Generic Pharmaceuticals - 5.4%	
101,300	Barr Pharmaceuticals, Inc. ^(b)	6,614,890
268,700	Mylan Inc. ^(b)	3,068,554
267,909	Teva Pharmaceutical Industries, Ltd. ^(c)	12,267,553
		<u>21,950,997</u>
	Healthcare Services - 11.4%	
67,700	Aetna Inc.	2,444,647
101,800	Allergan, Inc.	5,242,700
222,222	Aveta, Inc. (Restricted) ^{(a) (b)}	2,222,220
520,460	CardioNet, Inc. (Restricted) ^{(a) (b)}	11,691,613
134,660	HealthExtras, Inc. ^(b)	3,517,319
190,920	ICON Plc ^{(b) (c)}	7,302,690
130,385	Medco Health Solutions, Inc. ^(b)	5,867,325
122,700	Pharmaceutical Product Development, Inc.	5,073,645
306,208	Syntiro Healthcare Services (Restricted) ^{(a) (b)}	306
59,050	WellPoint, Inc. ^(b)	2,761,769
		<u>46,124,234</u>
	Medical Devices and Diagnostics - 20.5%	
473,430	Align Technology, Inc. ^(b)	5,127,247
94,400	Applied Biosystems Inc.	3,233,200
169,750	Baxter International Inc.	11,140,692
111,760	Becton, Dickinson and Company	8,969,858
130,700	DENTSPLY International Inc.	4,906,478
159,854	IDEXX Laboratories, Inc. ^(b)	8,759,999
144,307	Inverness Medical Innovations, Inc. ^(b)	4,329,210
84,750	Laboratory Corporation of America Holdings ^(b)	5,890,125
254,800	Masimo Corporation ^(b)	9,478,560
160,000	Masimo Laboratories, Inc. (Restricted) ^{(a) (b)}	70,751
830,292	Medwave, Inc. ^{(a) (b) (c)}	0
207,573	Medwave, Inc. warrants (expiration 8/21/11) ^{(a) (b) (c)}	0
93,008	OmniSonics Medical Technologies, Inc. (Restricted) ^{(a) (b)}	930
125,000	PerkinElmer, Inc.	3,121,250

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

SCHEDULE OF INVESTMENTS

SEPTEMBER 30, 2008

(continued)

<u>SHARES</u>	Medical Devices and Diagnostics - continued	<u>VALUE</u>
112,500	Phase Forward Inc. ^(b)	\$2,352,375
208	Songbird Hearing, Inc. (Restricted) ^{(a) (b)}	139
106,575	Stryker Corporation	6,639,623
159,160	Thermo Fisher Scientific Inc. ^(b)	8,753,800
		<u>82,774,237</u>
	TOTAL COMMON STOCKS AND WARRANTS	
	(Cost \$321,086,965)	<u>\$344,951,681</u>
PRINCIPAL		
<u>AMOUNT</u>	SHORT-TERM INVESTMENTS - 3.8%	
\$4,185,000	American Express Corporation; 2.25% due 10/03/08	4,184,477
10,981,000	Repurchase Agreement, State Street Bank and Trust Co., repurchase value \$10,981,015 (collateralized by U.S. Treasury Bill 0.35% discount, 12/26/08, market value \$11,200,981); 0.05% due 10/01/08	<u>10,981,000</u>
	TOTAL SHORT-TERM INVESTMENTS	
	(Cost \$15,165,477)	<u>\$15,165,477</u>
	TOTAL INVESTMENTS - 100.1%	
	(Cost \$384,758,380)	<u>\$403,424,206</u>
	OTHER LIABILITIES IN EXCESS OF ASSETS - (0.1%)	<u>\$(439,025)</u>
	NET ASSETS - 100%	<u><u>\$402,985,181</u></u>

(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 \$21,996,928).

(d) Foreign security.

(e) American Depository Receipt.

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

STATEMENT OF ASSETS AND LIABILITIES

SEPTEMBER 30, 2008

ASSETS:

Investments in non affiliated issuers, at value (identified cost \$360,906,304; see Schedule of Investments)	\$381,427,278
Investments in affiliated issuers, at value (identified cost \$23,852,076; see Schedule of Investments)	21,996,928
Cash	958
Dividend and interest receivable	64,519
Receivable for investments sold	2,033,128
Prepaid expenses	84,663
Other assets (See Note (5))	<u>1,857,095</u>
Total assets	<u>\$407,464,569</u>

LIABILITIES:

Payable for investments purchased	\$3,814,396
Accrued advisory fee	417,650
Accrued audit fees	84,045
Accrued trustee fees	46,085
Accrued legal fees	34,051
Accrued shareholder reporting fees	31,467
Accrued other	<u>51,694</u>
Total liabilities	<u>\$4,479,388</u>

NET ASSETS \$402,985,181

SOURCES OF NET ASSETS:

Shares of beneficial interest, par value \$.01 per share, unlimited number of shares authorized, amount paid in on 24,310,187 shares issued and outstanding	\$386,367,193
Accumulated net realized loss on investments, options, and foreign currency	(2,047,824)
Net unrealized gain on investments and foreign currency	<u>18,665,812</u>
Total net assets (equivalent to \$16.58 per share based on 24,310,187 shares outstanding)	<u>\$402,985,181</u>

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

STATEMENT OF OPERATIONS

FOR THE YEAR ENDED SEPTEMBER 30, 2008

INVESTMENT INCOME:

Dividend income (net of foreign tax of \$23,572)	\$1,635,707	
Interest income from non affiliated issuers	548,844	
Interest income from affiliated issuers	<u>7,101</u>	
Total investment income		\$2,191,652

EXPENSES:

Advisory fee	\$5,175,813	
Legal fees	305,444	
Trustees' fees and expenses	193,556	
Administration and auditing fees	190,491	
Custodian fees	111,913	
Shareholder reporting	107,363	
Transfer agent fees	58,999	
Stock exchange listing fee	28,216	
Other (See Note (3))	<u>200,001</u>	
Total expenses		<u>6,371,796</u>
Net Investment loss		<u>(\$4,180,144)</u>

REALIZED AND UNREALIZED GAIN (LOSS):

Net realized gain on:

Investments in non affiliated issuers	\$28,020,371
Investments in affiliated issuers	1,604,510
Closed or expired options contracts written	326,640
Foreign currency	<u>25,453</u>
Net realized gain	<u>\$29,976,974</u>

Change in unrealized appreciation

(depreciation) on:

Investments in non affiliated issuers	(\$49,845,098)
Investments in affiliated issuers	212,938
Closed or expired options contracts written	(15,359)
Foreign currency	<u>(152)</u>

Change in unrealized appreciation

(depreciation)

	<u>(49,647,671)</u>
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Net realized and unrealized gain (loss) (\$19,670,697)

Net decrease in net assets resulting
from operations

(\$23,850,841)

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

STATEMENTS OF CHANGES IN NET ASSETS

	For the year ended September 30, 2008	For the year ended September 30, 2007
NET INCREASE/(DECREASE) IN NET ASSETS RESULTING FROM OPERATIONS:		
Net investment loss	(\$4,180,144)	(\$4,095,088)
Net realized gain on investments, options and foreign currency	29,976,974	37,126,911
(Decrease)/increase in net unrealized gain on investments, options and foreign currency	<u>(49,647,671)</u>	<u>42,202,906</u>
Net (decrease)/increase in net assets resulting from operations	<u>(\$23,850,841)</u>	<u>\$75,234,729</u>
DISTRIBUTIONS TO SHAREHOLDERS FROM:		
Net realized capital gains	<u>(\$33,747,879)</u>	<u>(\$32,565,626)</u>
CAPITAL SHARE TRANSACTIONS:		
Value of shares issued in payment of distributions (1,107,593 and 952,611 shares, respectively)	<u>\$16,554,022</u>	<u>\$16,260,113</u>
Net (decrease)/increase in net assets	<u>(\$41,044,698)</u>	<u>\$58,929,216</u>
NET ASSETS:		
Beginning of year	<u>444,029,879</u>	<u>385,100,663</u>
End of year	<u>\$402,985,181</u>	<u>\$444,029,879</u>

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

STATEMENT OF CASH FLOWS

FOR THE YEAR ENDED SEPTEMBER 30, 2008

CASH FLOWS FROM OPERATING ACTIVITIES:	
Purchases of portfolio securities	(\$282,347,797)
Options written	(14,200)
Net purchases of short-term investments	(7,101,642)
Sales of portfolio securities	313,162,712
Interest income received	90,236
Dividends received	1,636,185
Operating expenses paid	<u>(8,232,073)</u>
Net cash provided from operating activities	<u>\$17,193,421</u>
CASH FLOWS FROM FINANCING ACTIVITIES:	
Cash distributions paid	<u>(\$17,193,857)</u>
Net cash used for financing activities	<u>(\$17,193,857)</u>
NET DECREASE IN CASH	(\$436)
CASH AT BEGINNING OF PERIOD	<u>1,394</u>
CASH AT END OF PERIOD	<u><u>\$958</u></u>

RECONCILIATION OF NET DECREASE IN NET ASSETS RESULTING FROM OPERATIONS TO NET CASH PROVIDED FROM OPERATING ACTIVITIES:

Net decrease in net assets resulting from operations	(\$23,850,841)
Purchases of portfolio securities	(282,347,797)
Net purchases of short-term investments	(7,101,642)
Sales of portfolio securities	313,162,712
Accretion of discount	(466,127)
Net realized gain on investments, options and foreign currency	(29,976,974)
Decrease in net unrealized appreciation on investments, options and foreign currency	49,647,671
Decrease in dividends and interest receivable	896
Decrease in options written	(14,200)
Decrease in accrued expenses	(8,260)
Increase in prepaid expenses and other assets	<u>(1,852,017)</u>
Net cash provided from operating activities	<u><u>\$17,193,421</u></u>

Noncash financing activities not included herein consist of reinvested distributions to shareholders of \$16,554,022.

Noncash operating activity not included herein consist of one conversion of restricted preferred stock with a cost of \$6,484,281 to common stock of the same issuer.

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

FINANCIAL HIGHLIGHTS

(Selected data for each share of beneficial interest outstanding throughout the period indicated)

	For the year ended September 30,				
	<u>2008</u>	<u>2007</u>	<u>2006</u>	<u>2005</u>	<u>2004</u>
Net asset value per share:					
Beginning of year	<u>\$19.14</u>	<u>\$17.31</u>	<u>\$19.65</u>	<u>\$18.12</u>	<u>\$19.63</u>
Net investment loss (1)	(\$0.18)	(\$0.18)	(\$0.13)(2)	(\$0.21)	(\$0.28)
Net realized and unrealized gain (loss)	<u>(0.95)</u>	<u>3.45</u>	<u>(0.60)</u>	<u>3.18</u>	<u>0.57</u>
Total increase (decrease) from investment operations	<u>(\$1.13)</u>	<u>\$3.27</u>	<u>(\$0.73)</u>	<u>\$2.97</u>	<u>\$0.29</u>
Capital gain distributions to shareholders	<u>(\$1.43)</u>	<u>(\$1.44)</u>	<u>(\$1.61)</u>	<u>(\$1.44)</u>	<u>(\$1.80)</u>
Net asset value per share:					
End of year	<u>\$16.58</u>	<u>\$19.14</u>	<u>\$17.31</u>	<u>\$19.65</u>	<u>\$18.12</u>
Per share market value:					
End of year	\$13.70	\$17.30	\$16.74	\$18.64	\$18.11
Total investment return at market value	(12.96%)	12.34%	(1.58%)	11.56%	12.99%

RATIOS AND SUPPLEMENTAL DATA:

Net Assets, end of year	\$402,985,181	\$444,029,879	\$385,100,663	\$417,117,572	\$369,303,076
Ratio of operating expenses to average net assets	1.51%	1.52%	1.54%	1.56%	1.63%
Ratio of net investment loss to average net assets	(0.99%)	(1.00%)	(0.73%)(2)	(1.17%)	(1.42%)
Portfolio turnover rate	65.38%	115.77%	63.78%	92.68%	33.65%
Number of shares outstanding at end of year	24,310,187	23,202,594	22,249,983	21,227,041	20,380,445

(1) Net investment loss per share has been computed using average shares outstanding.

(2) Includes a special dividend from an issuer in the amount of \$0.08 per share. Excluding the special dividend, the ratio of net investment loss to average net assets would have been (1.14%)

The accompanying notes are an integral part of these financial statements.

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

September 30, 2008

(1) Organization

H&Q Healthcare Investors (the Fund) is a Massachusetts business trust registered under the Investment Company Act of 1940 as a diversified closed-end management investment company. The Fund's investment objective is long-term capital appreciation through investment in companies in the healthcare industry. This is a broad mandate and includes all companies Hambrecht & Quist Capital Management LLC (the Adviser) determines to be healthcare related. The Fund invests primarily in securities of public and private companies that are believed to have significant potential for above-average growth. The Fund was organized on October 31, 1986 and commenced operations on April 22, 1987.

(2) Significant Accounting Policies

The preparation of these financial statements requires the use of certain estimates by management in determining the Fund's assets, liabilities, revenues and expenses. Actual results could differ from these estimates. The following is a summary of significant accounting policies consistently followed by the Fund, which are in conformity with accounting principles generally accepted in the United States of America.

New Accounting Pronouncements

In September 2006, the Financial Accounting Standards Board (the FASB) issued Statement of Financial Accounting Standards No. 157, Fair Value Measurements (SFAS 157), which is effective for fiscal years beginning after November 15, 2007. SFAS 157 defines fair value, establishes a framework for measuring fair value and expands disclosures about fair value measurements.

In February 2007, the FASB issued Statement of Financial Accounting Standard No. 159, The Fair Value Option for Financial Assets and Financial Liabilities (SFAS 159), which is effective for fiscal years beginning after November 15, 2007. SFAS 159 permits entities to choose to measure many financial instruments and certain other items at fair value that are not currently required to be measured at fair value. SFAS 159 also establishes presentation and disclosure requirements designed to facilitate comparisons between entities that choose different measurement attributes for similar types of assets and liabilities.

In March 2008, the FASB issued Statement of Financial Accounting Standard No. 161, Disclosures about Derivative Instruments and Hedging Activities (SFAS 161), which is effective for fiscal years and interim periods beginning after November 15, 2008. SFAS 161 requires enhanced disclosures about a fund's derivative and hedging activities.

Management is currently evaluating the impact, if any, that SFAS 157, SFAS 159 and SFAS 161 may have on the Fund's financial statement disclosures.

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

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

estimated values may differ significantly from the values that would have been used had a ready market for the 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. See note 5 below. Short-term investments with maturity of 60 days or less are valued at amortized cost.

Market Conditions

The U.S. economy and financial markets experienced significant deterioration and heightened volatility over the reporting period. The economic and business developments have resulted in an unusually high degree of volatility with significant price fluctuations. The Fund's publicly traded investments and the fair value of venture capital and other restricted investments expose investors to downward pressure, particularly on fair valued securities, and to the negative (or positive) performance resulting from related market conditions.

Options on Securities

The Fund may purchase and sell (or write) put or call options on any security in which it is permitted to invest or on any security the change in value of which has correlation with the changes in value of the Fund's portfolio securities.

Purchasing Put and Call Options. By purchasing a call option on a security, the Fund will obtain the right to buy the securities underlying the option from its counterparty at a specified exercise price prior to or at the expiration of the option. The Fund would normally purchase call options in anticipation of an increase in the price of the security. Conversely, when the Fund purchases a put option on a security, the option gives the Fund the right to sell the securities underlying the option to its counterparty at the exercise price prior to or at the expiration of the option. The Fund would normally purchase put options in anticipation of a decline in the market value of securities in its portfolio (or which the Fund intends to or has the right to acquire).

In the case of either put or call options that it has purchased, if the option expires without being sold or exercised, the Fund will experience a loss in the amount of the option premium plus any related commissions.

Writing Put and Call Options. When the Fund sells (writes) put and call options, it receives a premium as the writer of the option. By selling (writing) a call option, the Fund will obligate itself to sell the securities underlying the option to its counterparty at the specified exercise price prior to or at the expiration of the option if it is assigned an exercise notice. If the price of the underlying securities at the expiration of the option is below the exercise price, the Fund will retain the full amount of the option premium. That amount, less the commission paid for the option, provides a partial hedge against any decline that may have occurred in the Fund's portfolio securities. During the term of the option, however, a covered call writer has, in return for the premium on the option, given up the opportunity for capital appreciation above the exercise price of the option if the value of the underlying securities increases, but has retained the risk of loss should the price of the underlying security decline. Conversely,

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

by selling (writing) a put option, the Fund obligates itself to buy the securities underlying the option from its counterparty at the exercise price prior to or at the expiration if it is assigned an exercise notice. Writing a put option constitutes a partial hedge against increasing prices of securities the Fund intends to purchase. If the price of the securities at the expiration of the option is higher than the exercise price, the Fund will retain the full amount of the option premium, which provides a partial hedge against any increase in the price of securities that the Fund intends to purchase. A secured put writer, however, retains the risk of loss should the market value of the underlying security decline below the exercise price of the option, less the premium received on the sale of the option.

Closing Purchase or Sale Transactions. Prior to exercise or expiration, an option position can be terminated only by entering into a closing purchase or sale transaction. Closing purchase transactions are ordinarily effected to realize a profit on an outstanding call option, to prevent an underlying security from being called, to permit the sale of an underlying security or to enable another call option on the underlying security (with either a different exercise price or expiration date or both) to be written. If the Fund is not able to enter into a closing transaction or an offsetting position, it will be required to maintain the securities subject to the call, or the collateral underlying the put, even though it might not be advantageous to do so, until a closing transaction can be entered into or the option is exercised or expires.

The Fund's ability to close out its position as a writer of an option is dependent upon the existence of a liquid secondary market. There is no assurance that a liquid market will exist, particularly in the case of over-the-counter (OTC) options, as OTC options will generally be closed out only by entering into a closing transaction with a dealer. In the case of OTC options, the Fund is also subject to the credit risk associated with its counterparties.

Stock Index Options. The Fund may purchase and sell (write) options on stock indices (index options). Index options are similar to options on securities except that, rather than taking or making delivery of securities underlying the option at a specified price upon exercise, an index option gives the holder the right to receive cash upon exercise of the option if the level of the stock index upon which the option is based is greater, in the case of a call, or less, in the case of a put, than the exercise price of the option.

The Fund will enter into transactions in index options to hedge against adverse price movements in the stock market generally or in particular market segments. If the Adviser anticipates a general market decline, the Fund could purchase a stock index put option. If the expected market decline materialized, the resulting decrease in the value of the Fund's portfolio securities would be offset to the extent of the increase in the value of the put option. If the Adviser anticipates a market rise, the Fund may purchase a stock index call option to enable the Fund to participate in the rise until the Fund completes anticipated purchases of securities. Purchasing and selling stock index options may also enable the Adviser to achieve changes in equity positions more efficiently.

Stock index options involve risks similar to those associated with options on securities. Because exercises of stock index options are settled in cash, however, call writers, such as the Fund, cannot provide in advance for their potential settlement obligations by acquiring and holding the underlying securities.

Coverage Requirements. All options on securities and securities indices written by the Fund are required to be covered. When the Fund writes a call option, this means that during the life of the option the Fund may own or have the contractual right to acquire the securities subject

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

to the option or may maintain with the Fund's custodian in a segregated account cash, U.S. Government Securities or other appropriate high quality liquid debt obligations or other liquid securities in an amount at least equal to the market value of the securities underlying the option or may utilize any other instrument or transaction consistent with the Securities and Exchange Commission (SEC) guidelines. When the Fund writes a put option, this means that the Fund may maintain with the Fund's custodian in a segregated account cash, U.S. Government Securities or other appropriate high quality debt obligations or other liquid securities in an amount at least equal to the exercise price of the option or may utilize any other instrument or transaction consistent with SEC guidelines.

Transactions in call options written for the year ended September 30, 2008 were as follows:

	<u>Contracts</u>	<u>Premiums</u>
Options outstanding, September 30, 2007	142	\$ 29,559
Options written	3,678	480,722
Options terminated in closing purchase transactions	(931)	(101,620)
Options exercised	(1,073)	(118,669)
Options expired	<u>(1,816)</u>	<u>(289,992)</u>
Options outstanding, September 30, 2008	<u>—</u>	<u>\$ —</u>

Investment Transactions and Income

Investment transactions are recorded on a trade date basis. Gains and losses from sales of investments are recorded using the "identified cost" method. Interest income is recorded on the accrual basis, adjusted for amortization of premiums and accretion of discounts. Dividend income is recorded on the ex-dividend date.

The aggregate cost of purchases and proceeds from sales of investment securities (other than short-term investments) for the year ended September 30, 2008 totaled \$285,613,148 and \$311,323,342, respectively.

Repurchase Agreements

In managing short-term investments the Fund may from time to time enter into transactions in repurchase agreements. In a repurchase agreement, the Fund's custodian takes possession of the underlying collateral securities, the market value of which is at least equal to the principal, including accrued interest, of the repurchase transaction at all times. In the event of default or bankruptcy by the other party to the agreement, realization and/or retention of the collateral by the Fund may be delayed or limited.

Distribution Policy

Distributions will automatically be paid in newly issued shares of the Fund unless otherwise instructed by the shareholder. Pursuant to an SEC exemptive order, the Fund has implemented a fixed distribution policy that permits the Fund to make quarterly distributions at a rate of 2% of the Fund's net assets to shareholders of record. The Fund intends to use net realized capital gains when making quarterly distributions. This could result in a return of capital to shareholders if the amount of the distribution exceeds the Fund's net investment income and realized capital gains. It is anticipated that net realized capital gains in excess of the total distributed under this policy would be included in the December distribution. The Fund's distribution policy has been established by the Board of Trustees. The distribution policy may be changed by the Board of Trustees without shareholder approval.

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

The current distribution policy is to declare distributions in stock. Distributions will automatically be paid in newly-issued full shares of the Fund plus cash in lieu of any fraction of a share, unless otherwise instructed by the shareholder. The Fund's transfer agent delivers an election card and instructions to each registered shareholder in connection with each distribution. For shareholders other than registered shareholders with book entry accounts at the Fund's transfer agent, fractional shares will generally be settled in cash. The number of shares issued will be determined by dividing the dollar amount of the distribution by the lower of net asset value or market price on the pricing date. If a shareholder elects to receive a distribution in cash, rather than in shares, the shareholder's relative ownership in the Fund will be reduced. The shares will be valued at the lower of the net asset value or market price on the pricing date. Distributions in stock will not relieve shareholders of any federal, state or local income taxes that may be payable on such distributions.

Federal Taxes

In June 2006, the FASB Interpretation No. 48, Accounting for Uncertainty in Income Taxes — an interpretation of FASB Statement 109 (FIN 48), was issued and is effective for fiscal years beginning after December 15, 2006. FIN 48 sets forth a threshold for financial statement recognition, measurement and disclosure of a tax position taken or expected to be taken on a tax return. Management has reviewed the tax positions for the open tax years of September 30, 2005 through September 30, 2008 and has determined there is no impact on the Fund's financial statements.

It is the Fund's policy to comply with the requirements of the Internal Revenue Code applicable to regulated investment companies and to distribute to its shareholders substantially all of its taxable income and its net realized capital gains, if any. Therefore, no Federal income or excise tax provision is required.

Distributions

The Fund records all distributions to shareholders from net investment income, if any, and realized gains on the ex-dividend date. Such distributions are determined in conformity with income tax regulations, which may differ from generally accepted accounting principles. These differences include temporary and permanent differences from losses on wash sale transactions and net operating losses. Reclassifications are made to the Fund's capital accounts to reflect income and gains available for distribution under income tax regulations.

The tax basis components of distributable earnings and the tax cost as of September 30, 2008 were as follows:

Cost of investments for tax purposes	\$389,160,513
Gross tax unrealized appreciation	\$77,096,954
Gross tax unrealized depreciation	\$(62,833,261)
Net tax unrealized appreciation on investments	\$14,263,693
Undistributed long-term capital gain	\$2,354,310

The Fund has designated the following as long-term capital gain distributions for its taxable years ended September 30, 2008 and September 30, 2007:

Distributions paid from:	2008	2007
Ordinary income	—	—
Long-term capital gain	\$33,747,879	\$32,565,626

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

Statement of Cash Flows

The cash amount shown in the Statement of Cash Flows is the amount included in the Fund's Statement of Assets and Liabilities and represents cash on hand at its custodian and does not include short-term investments at September 30, 2008.

Indemnifications

Under the Fund's organizational documents, its officers and Trustees may be indemnified against certain liabilities and expenses arising out of the performance of their duties to the Fund. Additionally, in the normal course of business, the Fund enters into agreements with service providers that may contain indemnification clauses. The Fund's maximum exposure under these agreements is unknown as this would involve future claims that may be made against the Fund that have not yet occurred. However, based on experience, the Fund expects the risk of loss to be remote.

(3) Investment Advisory Fees

The Fund has entered into an Investment Advisory Agreement (the Advisory Agreement) with the Adviser. Pursuant to the terms of the Advisory Agreement, the Fund pays the Adviser a monthly fee at the rate when annualized of (i) 2.50% of the average net assets for the month of its venture capital and other restricted securities up to 25% of net assets and (ii) for all other assets, 0.98% of the average net assets up to \$250 million, 0.88% of the average net assets for the next \$250 million, 0.80% of the average net assets for the next \$500 million and 0.70% of the average net assets thereafter. The aggregate fee may not exceed a rate when annualized of 1.375%. Prior to July 1, 2006, the Fund paid a monthly fee at the rate when annualized of (i) 2.50% of the average net assets for the month of its venture capital and other restricted securities up to 25% of net assets and (ii) for all other assets, 1.00% of the average net assets up to \$250 million, 0.90% of the average net assets for the next \$250 million, 0.80% of the average net assets for the next \$500 million and 0.70% of the average net assets thereafter. The aggregate fee could not exceed a rate when annualized of 1.375%.

As of November 2007, Howard Y. Kim, M.D., Vice President of the Adviser became a member of the team that makes investments on behalf of the Fund. In the last five years prior to joining the Adviser, Dr. Kim served as a Principal of Advent International.

The Fund has entered into a Services Agreement (the Agreement) with the Adviser. Pursuant to the terms of the Agreement, the Fund reimburses the Adviser for certain services related to a portion of the payment of salary and provision of benefits to the Fund's Chief Compliance Officer. During the year ended September 30, 2008 these payments amounted to \$82,472 and are included in the "other" category in the Statement of Operations together with insurance expenses of \$65,518 incurred to unaffiliated entities. Such expenses are the major components of "other" in the Statement of Operations. Expenses incurred pursuant to the Agreement as well as certain expenses paid for by the Adviser are allocated in an equitable fashion as approved by the Board of the Fund.

The Fund pays compensation to Independent Trustees in the form of a retainer, attendance fees, and additional compensation to Board and Committee chairpersons. The Fund does not

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

pay compensation directly to Trustees or officers of the Fund who are also officers of the Adviser.

(4) Other Transactions with Affiliates

An affiliate company is a company in which the Fund holds 5% or more of the voting securities. Transactions with such companies during the year ended September 30, 2008 were as follows:

Issuer	Value on October 1, 2007	Purchases	Sales ^(a)	Income	Value on September 30, 2008
Agilix Corporation	\$ 141,809	\$ —	\$ —	\$ —	\$ 141,809
CardioKinetix, Inc.	—	2,359,999	—	—	2,359,999
Concentric Medical, Inc.	10,192,176	—	—	—	10,192,176
CytoLogix Corporation	527,247	507,843	507,563	7,101	802,074
Eleme Medical, Inc.	—	3,245,001	—	—	3,245,001
Medwave, Inc.	35,287	—	—	—	—
PHT Corporation	5,139,506	116,363	—	—	5,255,869
	<u>\$16,036,025</u>	<u>\$6,229,206</u>	<u>\$507,563</u>	<u>\$7,101</u>	<u>\$21,996,928</u>

(a) Sales of affiliates represent convertible notes paid off.

(5) 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 15% of the Fund's net assets at September 30, 2008.

At September 30, 2008, Other Assets in the Statement of Assets and Liabilities consisted of amounts due to corporate actions in connection with restricted securities from one issuer.

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 September 30, 2008. The Fund on its own does not have the right to demand that such securities be registered.

Security ^(b)	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 ^(c) 12 Month Lock-up Restricted Common	12/5/03 - 6/11/08	4,827,086	0.28	1,302,292
18 Month Lock-up Restricted Common	12/5/03 - 6/11/08	536,343	0.25	126,612
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
CardioNet, Inc. Restricted Common	5/3/01 - 3/7/07	3,582,186	22.46	11,691,613
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

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

Security ^(f)	Acquisition Date	Cost	Carrying Value per Unit	Value
Concentric Medical, Inc.				
Series B Cvt. Pfd.	5/7/02, 1/24/03	\$3,330,988	\$1.40	\$6,794,116
Series C Cvt. Pfd.	12/19/03	1,500,818	1.40	2,441,860
Series D Cvt. Pfd.	9/30/05	958,007	1.40	956,200
CytoLogix Corporation				
Series A Cvt. Pfd.	1/13/98 - 7/21/99	1,623,878	0.01	4,848
Series B Cvt. Pfd.	1/11/01	764,070	3.51	797,226
Elemé Medical, Inc.				
Series C Cvt. Pfd.	7/15/08	3,252,672	1.88	3,245,001
EPR, Inc.				
Series A Cvt. Pfd.	3/9/94	1,000,409	0.01	2,222
FlowCardia, Inc.				
Series C Cvt. Pfd.	8/29/07	2,474,768	1.07	2,458,333
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	999,826	0.65	199,812
Series D Cvt. Pfd.	9/4/08	315,081	0.43	32,697
Magellan Biosciences, Inc.				
Series A Cvt. Pfd.	11/28/06	2,954,179	1.00	2,950,000
Masimo Laboratories, Inc.				
Restricted Common	3/31/98	0	0.44	70,751
OmniSonic Medical Technologies, Inc.				
Series A-1 Cvt. Pfd.	10/1/03	1,800,514	0.57	879,257
Series B-1 Cvt. Pfd.	6/4/07, 11/15/07	960,516	0.57	717,440
Restricted Common	5/24/01, 7/2/07	2,409,033	0.01	930
PHT Corporation				
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	6.38	416,085
Series I Cvt. Pfd.	7/8/05	579,958	6.38	953,612
Warrants (expiration 1/26/10)	1/26/05	0	0.00	0
Warrants (expiration 6/09/09)	6/9/04	0	0.00	0
Xoft, Inc.				
Series D Cvt. Pfd.	3/23/07	2,958,518	3.34	3,079,063
Series E Cvt. Pfd.	6/20/08	592,532	3.34	590,001
Zyomyx, Inc.				
Series A New Cvt. Pfd.	1/12/04	299,700	0.10	30,000
Series B New Cvt. Pfd.	2/19/99, 1/12/04	468	0.10	30
New Restricted Common	2/19/99 - 7/22/04	3,602,065	0.01	3,000
		<u>\$70,672,568</u>		<u>\$58,724,911</u>

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

(g) The carrying value per unit of unrestricted common units of Antisoma Plc was \$0.46 on June 11, 2008, the date of the purchase agreement and date an enforceable right to acquire the restricted units was obtained.

H&Q HEALTHCARE INVESTORS

NOTES TO FINANCIAL STATEMENTS

SEPTEMBER 30, 2008

(continued)

(6) Sources of Net Assets

The changes in the sources of net assets for the period from October 1, 2007 through September 30, 2008 are as follows:

	Capital Paid in on Shares of Beneficial Interest	Accumulated Net Investment Loss	Accumulated Net Realized Gain (Loss) on Investments	Net Unrealized Gain on Investments	Total Net Assets
As of October 1, 2007:	\$373,966,256	\$ 0	\$ 1,750,140	\$ 68,313,483	\$444,029,879
For the period from October 1, 2007 through September 30, 2008:					
Net investment loss		(4,180,144)			(4,180,144)
Net realized gains			29,976,974		29,976,974
Distributions			(33,747,879)		(33,747,879)
Value of shares issued in payment of distributions	16,554,022				16,554,022
Decrease in net unrealized gain on investments, options and foreign currency				(49,647,671)	(49,647,671)
Reclassification for Federal income purposes	(4,153,085)	4,180,144	(27,059)		—
As of September 30, 2008:	<u>\$386,367,193</u>	<u>\$ 0</u>	<u>\$ (2,047,824)</u>	<u>\$ 18,665,812</u>	<u>\$402,985,181</u>

(7) Subsequent Event

Subsequent to September 30, 2008 the business prospects of one restricted security was negatively affected due to the challenging environment for consumer oriented companies and the deterioration of general credit conditions. This led to the reduction of the security's value by 20% or \$649,000 in November 2008.

REPORT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

To the Board of Trustees and Shareholders of H&Q Healthcare Investors:

We have audited the accompanying statement of assets and liabilities of H&Q Healthcare Investors Fund (the "Fund"), including the schedule of investments as of September 30, 2008, and the related statement of operations and cash flows for the year then ended, the statement of changes in net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended. These financial statements and financial highlights are the responsibility of the Fund's management. Our responsibility is to express an opinion on these financial statements and financial highlights based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements and financial highlights are free of material misstatement. The Fund is not required to have, nor were we engaged to perform, an audit of its internal control over financial reporting. Our audits included consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Fund's internal control over financial reporting. Accordingly, we express no such opinion. An audit also includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements, assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. Our procedures included confirmation of securities owned as of September 30, 2008, by correspondence with the custodian and brokers; where replies were not received from brokers, we performed other auditing procedures. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the financial statements and financial highlights referred to above present fairly, in all material respects, the financial position of H&Q Healthcare Investors as of September 30, 2008, the results of its operations and its cash flows for the year then ended, the changes in its net assets for each of the two years in the period then ended, and the financial highlights for each of the five years in the period then ended, in conformity with accounting principles generally accepted in the United States of America.

DELOITTE & TOUCHE LLP
Boston, Massachusetts
November 20, 2008

H&Q HEALTHCARE INVESTORS

TRUSTEES

H&Q Healthcare Investors
2 Liberty Square, 9th Floor
Boston, Massachusetts 02109
(617) 772-8500

Name, Address¹ and Date of Birth	Position(s) Held with Fund, Term of Office² and Length of Time Served	Principal Occupation(s) During Past 5 Years and Other Directorships Held	Number of Portfolios in Fund Complex Overseen by Trustee
Independent Trustees:			
Rakesh K. Jain, Ph.D. 12/1950	Trustee (since July 2007)	Director of Steele Lab, Department of Radiation Oncology at Massachusetts General Hospital (since 1991); A.W. Cook Professor of Radiation Oncology at Harvard Medical School (since 1991); Ad hoc Consultant/Scientific Advisory Board Member for pharmaceutical/biotechnology companies (various times since 2002); Ad hoc Consultant for Gershon Lehman Group (since 2004); Advisory Committee Member of Department of Biotechnology, Government of India (from 2004 to 2007).	2
Lawrence S. Lewin 4/1938	Trustee (since 1987) and Chairman (since 2000)	Self-employed Executive Consultant (since 1999) (healthcare public policy and management consulting); Director of Medco Health Solutions, Inc. (from 2003 to 2007); Director of CardioNet, Inc. (from 2001 to 2007); and Director of Care Fusion, Inc. (from 2005 to 2006).	2
Robert P. Mack 8/1935	Trustee (since 1991)	Orthopedic Surgeon at Orthopedic Associates of Aspen (since 2000).	2
Eric Oddleifson 4/1935	Trustee (since 1992)	Self-employed Consultant (since 2005); Investment Committee Chair (from 2003 to 2005) and Partner (from 1997-2003) of GMO Renewable Resources LLC; Senior Adviser to The Corporate Library (since 2007); Director of the following charitable organizations, The Marjorie Harris Reynolds Foundation (since 1996); The National Arts & Learning Collaborative (since 1998); and From the Top (young adult performance, since 2004).	2
Oleg M. Pohotsky 3/1947	Trustee (since 2000)	Self-employed Financial Consultant (since 2002).	2

H&Q HEALTHCARE INVESTORS

TRUSTEES

(continued)

Name, Address¹ and Date of Birth	Position(s) Held with Fund, Term of Office² and Length of Time Served	Principal Occupation(s) During Past 5 Years and Other Directorships Held	Number of Portfolios in Fund Complex Overseen by Trustee
Independent Trustees:			
Uwe E. Reinhardt, Ph.D. 9/1937	Trustee (since 1988)	Professor of Economics at Princeton University (since 1968); Director of Duke University (since 2001); Director of Duke University Health System (since 2001); Director of Boston Scientific (since 2002); Director of Amerigroup, Inc. (since 2002); Director of the National Bureau of Economic Research (since 2002); and Director of Triad Hospitals, Inc. (from 2000 to 2007).	2
Lucinda H. Stebbins, CPA 11/1945	Trustee (since 2006)	Self-employed Financial Consultant (since 2004); Director of Deutsche Asset Management (from 2002 to 2004); Senior Vice President of Scudder Investments (from 2000-2002).	2
Interested Trustees:			
Daniel R. Omstead, ³ Ph.D. 7/1953	President (since 2001); Trustee (since 2003)	President of H&Q and of HQL (since 2001); Trustee of H&Q and HQL (since 2003); President, Chief Executive Officer and Managing Member of Hambrecht & Quist Capital Management LLC (since 2002); President and Chief Executive Officer (from 2001 to 2002) and Managing Director (from 2000 to 2002) of Hambrecht & Quist Capital Management Inc.; Director of Magellan Biosciences, Inc. (since 2006) and Concentric Medical, Inc. (from 2003 to 2007).	2

¹ The address for each Trustee is c/o the Fund at the Fund's address as set forth above.

² Each Trustee currently is serving a three year term.

³ Trustee considered to be an "interested person" within the meaning of the Investment Company Act of 1940, as amended (the "1940 Act"), through position or affiliation with the Adviser.

H&Q HEALTHCARE INVESTORS

OFFICERS

Name, Address¹ and Date of Birth	Position(s) Held with Fund, Term of Office² and Length of Time Served	Principal Occupation(s) During Past 5 Years
Officers:		
Daniel R. Omstead, Ph.D. 7/1953	President (since 2001); Trustee (since 2003)	President of HQH and of HQL (since 2001); Trustee of HQH and HQL (since 2003); President, Chief Executive Officer and Managing Member of Hambrecht & Quist Capital Management LLC (since 2002); President and Chief Executive Officer (from 2001 to 2002) and Managing Director (from 2000 to 2002) of Hambrecht & Quist Capital Management Inc.; Director of Magellan Biosciences, Inc. (since 2006) and Concentric Medical, Inc. (from 2003 to 2007).
Carolyn P. Haley, CPA, MS 7/1966	Chief Compliance Officer, Secretary and Treasurer (since July 2007)	Chief Compliance Officer of Hambrecht & Quist Capital Management LLC (since July 2007); Chief Compliance Officer, Secretary and Treasurer of HQH and HQL (since July 2007); Senior Manager of PricewaterhouseCoopers LLP (from 1998 to 2001 and 2003 to 2007).

¹ The address for each officer is c/o the Fund at the Fund's address as set forth above.

² Each officer serves in such capacity for an indefinite period of time at the pleasure of the Trustees.

The Fund's Statement of Additional Information includes additional information about the Fund Directors and is available without charge, upon request by calling (617) 772-8500 or writing to Hambrecht & Quist Capital Management LLC at 2 Liberty Square, 9th Floor, Boston, MA 02109.

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CERTIFICATIONS

The Fund's President has certified to the New York Stock Exchange (NYSE) that as of July 11, 2008, he was not aware of any violation by the Fund of applicable NYSE corporate governance listing standards. In addition, pursuant to Section 302 of the Sarbanes-Oxley Act of 2002 and applicable SEC rules, the Fund's President and Treasurer made quarterly certifications during the fiscal year that were filed with the SEC as exhibits to Form N-CSR and Form N-Q filings and related to the Fund's disclosure in such reports, disclosure controls and procedures and internal control over financial reporting, as required.

ANNUAL MEETING REPORT

An Annual Meeting of Shareholders was held on June 12, 2008. Shareholders voted to elect two Trustees of the Fund to hold office for a term of three years or until their respective successors shall have been duly elected and qualified. The following votes were cast with respect to each of the nominees.

	<u>For</u>	<u>Withheld</u>
Rakesh K. Jain, Ph.D.	21,047,037	719,827
Lucinda H. Stebbins, CPA	21,196,021	570,843

The nominees were elected to serve until the 2011 Annual Meeting. Trustees serving until the 2009 Annual Meeting are Lawrence S. Lewin, Daniel R. Omstead, Ph.D. and Uwe E. Reinhardt, Ph.D. Trustees serving until the 2010 Annual Meeting are Robert P. Mack, M.D., Eric Oddleifson and Oleg Pohotsky.

Shareholders ratified the appointment of Deloitte & Touche LLP as the independent registered public accountants of the Fund for the fiscal year ending September 30, 2008 by the following votes.

<u>For</u>	21,433,494
<u>Against</u>	146,663
<u>Abstain</u>	186,706

SHAREHOLDER PROPOSALS

On July 17, 2008, the Board of Trustees amended the by-laws of the Fund. The Trustees determined that the by-laws should be updated in order to ensure an orderly and informed shareholder meeting process for all participating shareholders. Generally, the amendments: (i) provide that holders of a majority of shares of the Fund entitled to vote at a meeting may call a special meeting of shareholders, (ii) further specify the process for calling such a meeting, and (iii) establish time periods and information requirements for calling a special meeting and for the submission of shareholder proposals (other than pursuant to regulations of the SEC). These amendments do not affect the notice period for each shareholder proposal submitted for inclusion in the Fund's proxy statements pursuant to the SEC's rules. With respect to other nominations or proposals, for each annual meeting of shareholders, the amended by-laws require that the Fund receive notice of the nomination or proposal and certain additional information at least 90 days but no more than 120 days in advance of the first anniversary of

H&Q HEALTHCARE INVESTORS

SHAREHOLDER PROPOSALS

(continued)

the previous year's annual meeting. For each special meeting of shareholders, the amended by-laws require that the Fund receive notice of a nomination or proposal within 10 business days after the meeting is publicly announced, including by press release, a filing with the SEC, or a posting on the Adviser's website. The amended by-laws have been filed as an exhibit to the Fund's registration statement on Form N-2. The Fund's Form N-2 is available at the SEC's website at www.sec.gov.

Shareholder proposals for the Fund's 2009 annual meeting of shareholders must be received at the Fund's executive offices (2 Liberty Square, 9th Floor, Boston, Massachusetts 02109) no later than January 8, 2009, in order to be included in the Fund's proxy statement and form of proxy. Other shareholder nominations or proposals for the Fund's 2009 annual meeting must be received at the Fund's executive offices between February 12, 2009, and March 14, 2009. Submission of such proposals does not ensure that they will be included in the proxy statement or submitted for a vote at the 2009 annual meeting.

FOR MORE INFORMATION

A description of the Fund's proxy voting policies and procedures and information on how the Fund voted proxies and relating to portfolio securities during the most recent 12-month period ended June 30, is available (i) without charge, upon request by calling 1-800-451-2597; (ii) by writing to Hambrecht & Quist Capital Management LLC at 2 Liberty Square, 9th Floor, Boston, MA 02109; (iii) on the Fund's website at www.hqcm.com; and (iv) on the SEC's website at <http://www.sec.gov>.

The Fund's complete Schedule of Investments for the first and third quarters of its fiscal year will be filed quarterly with the SEC on Form N-Q. This Schedule of Investments will also be available on the Fund's website at www.hqcm.com, or the SEC's website at <http://www.sec.gov>. The Fund's Form N-Q may be reviewed and copied at the SEC's Public Reference Room in Washington, DC or by calling 1-800-SEC-0330.

DISTRIBUTION POLICY

The Fund has a fixed distribution policy as described in the Notes to Financial Statements. For more information contact your financial adviser.

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H&Q HEALTHCARE INVESTORS

New York Stock Exchange Symbol: HQH

2 Liberty Square, 9th Floor
Boston, Massachusetts 02109
(617) 772-8500
www.hqcm.com

Officers

Daniel R. Omstead, Ph.D., President
Carolyn P. Haley, CPA, MS, Secretary, Treasurer and
Chief Compliance Officer

Trustees

Rakesh K. Jain, Ph.D.
Lawrence S. Lewin
Robert P. Mack, M.D.
Eric Oddleifson
Daniel R. Omstead, Ph.D.
Oleg M. Pohotsky
Uwe E. Reinhardt, Ph.D.
Lucinda H. Stebbins, CPA

Investment Adviser

Hambrecht & Quist Capital Management, LLC

Administrator & Custodian

State Street Bank and Trust Company

Transfer Agent

Computershare Shareholder Services, Inc.

Legal Counsel

Dechert LLP

Shareholders with questions regarding share transfers may call

1-800-426-5523

Daily net asset value may be obtained from
our website (www.hqcm.com) or by calling

1-800-451-2597