

HEALTHCARE TRUST OF AMERICA, INC.  
Form POS AM  
June 22, 2010

As filed with the Securities and Exchange Commission on June 22, 2010

Registration No. 333-133652

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549  
Post-Effective Amendment No. 15  
to  
Form S-11  
FOR REGISTRATION UNDER  
THE SECURITIES ACT OF 1933  
OF SECURITIES OF CERTAIN REAL ESTATE COMPANIES  
HEALTHCARE TRUST OF AMERICA, INC.**

(Exact name of registrant as specified in its governing instruments)

**The Promenade, Suite 440  
16427 North Scottsdale Road  
Scottsdale, AZ 85254  
(480) 998-3478**

(Address, including zip code, and telephone number,  
including area code, of registrant's principal executive offices)

**Scott D. Peters  
Chief Executive Officer, President and Chairman**

**The Promenade, Suite 440  
16427 North Scottsdale Road  
Scottsdale, AZ 85254  
(480) 998-3478**

(Name, address, including zip code, and telephone number,  
including area code, of agent for service)

*Copy to:*

**Lesley H. Solomon  
Alston & Bird LLP  
1201 West Peachtree Street  
Atlanta, Georgia 30309  
(404) 881-7000**

Approximate date of commencement of proposed sale to public: As soon as practicable after the effectiveness of the registration statement.

If any of the Securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act, check the following box:

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration number of the earlier effective registration statement for the same offering.

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration number of the earlier effective registration statement for the same offering.

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If delivery of the prospectus is expected to be made pursuant to Rule 434, please check the following box.

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the definitions of large accelerated filer, accelerated filer and smaller reporting company in Rule 12b-2 of the Exchange Act. (Check one):

Large accelerated filer  Accelerated filer  Non-accelerated filer  Smaller reporting company   
(Do not check if a smaller reporting company)

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**Deregistration of Shares of Common Stock**

Healthcare Trust of America, Inc. (the Registrant ) filed a Form S-11 Registration Statement (Commission File No. 333-133652) (the Registration Statement ), which was declared effective by the Securities and Exchange Commission on September 20, 2006, pursuant to which the Registrant registered up to \$2,200,000,000 in shares of the Registrant s common stock, \$0.01 par value, for sale in its initial public offering (the Initial Offering ). Of the \$2,200,000,000 in shares registered, up to \$2,000,000,000 in shares of the Registrant s common stock were to be issued in a primary offering (200,000,000 shares at \$10.00 per share), and up to \$200,000,000 in shares of the Registrant s common stock were to be issued pursuant to the Registrant s distribution reinvestment plan (21,052,632 shares at \$9.50 per share).

The Registrant is filing this Post-Effective Amendment No. 15 to the Registration Statement in order to withdraw from registration all of the shares of the Registrant s common stock covered by the Registration Statement which were not sold in the Initial Offering.

The Registrant sold a total of 154,574,638 shares of common stock in the Initial Offering, 7,037,284 of which were issued pursuant to the Registrant s distribution reinvestment plan. Accordingly, the Registrant hereby amends the Registration Statement to withdraw from registration a total of 66,477,994 shares of the Registrant s common stock.

**SIGNATURE PAGE**

Pursuant to the requirements of the Securities Act of 1933, as amended, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-11 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Scottsdale, State of Arizona on the 22nd day of June, 2010.

HEALTHCARE TRUST OF AMERICA,  
INC.

By: /s/ Scott D. Peters  
Scott D. Peters  
*Chief Executive Officer and President*

Pursuant to the requirements of the Securities Act of 1933, as amended, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

| <b>Signature</b>     | <b>Title</b>  | <b>Date</b>      |
|----------------------|---|------------------|
| /s/ Scott D. Peters  | Chief Executive Officer, President and<br>Chairman of the Board   | June 22,<br>2010 |
| Scott D. Peters      | (Principal Executive Officer)                                     |                  |
| /s/ Kellie S. Pruitt | Chief Financial Officer   | June 22,<br>2010 |
| Kellie S. Pruitt     | (Principal Financial Officer and<br>Principal Accounting Officer) |                  |
| *                    | Director  | June 22,<br>2010 |
| W. Bradley Blair, II |   |                  |
| *                    | Director  | June 22,<br>2010 |
| Maurice J. DeWald    |   |                  |
| *                    | Director  | June 22,<br>2010 |
| Warren D. Fix        |   |                  |
| *                    | Director  | June 22,<br>2010 |
| Larry L. Mathis      |   |                  |

\* Director June 22,  
2010

Gary T. Wescombe

\*/s/ Scott D. Peters

Scott D. Peters, as attorney-in-fact

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