

SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 8-A

For registration of certain classes of securities  
pursuant to Section 12(b) or 12(g) of the  
Securities Exchange Act of 1934

HEALTHCARE ACQUISITION CORP.  
(Exact name of the Registrant as specified in its charter)

DELAWARE 20-2726770  
(State of incorporation or organization) (I.R.S. Employer Identification No.)

2116 FINANCIAL CENTER  
666 WALNUT STREET  
DES MOINES, IOWA 50309  
(Address of Principal Executive Offices) (Zip Code)

If this form relates to the registration of a class of securities  
pursuant to Section 12(b) of the Exchange Act and is effective pursuant to  
General Instruction A.(c), check the following box.

If this form relates to the registration of a class of securities  
pursuant to Section 12(g) of the Exchange Act and is effective pursuant to  
General Instruction A.(d), check the following box.

Securities Act registration statement file number to which this Form  
relates (if applicable): FILE NO. 333-124712

Securities to be registered pursuant to Section 12(b) of the Exchange Act:

TITLE OF EACH CLASS TO BE SO REGISTERED -----	NAME OF EACH EXCHANGE ON WHICH EACH CLASS IS TO BE REGISTERED -----
Units, each consisting of one share of Common Stock and one Warrant	American Stock Exchange
Common Stock, par value \$.0001 per share	American Stock Exchange
Common Stock Purchase Warrants	American Stock Exchange

Securities to be registered pursuant to Section 12(g) of the Act: NONE

ITEM 1. DESCRIPTION OF THE REGISTRANT'S SECURITIES TO BE REGISTERED

The securities to be registered hereby are the units, common stock and  
warrants of Healthcare Acquisition Corp. (the "Company"). The description of the  
units, the common stock and the warrants, contained in the section entitled  
"Description of Securities" in the Prospectus included in Amendment No. 4 to the  
Company's Registration Statement on Form S-1 (Registration No. 333-124712),  
filed with the Securities and Exchange Commission on July 26, 2005 (the  
"Registration Statement"), is hereby incorporated by reference herein. Any form  
of prospectus or prospectus supplement to the Registration Statement that  
includes such descriptions and that are subsequently filed are hereby also  
incorporated by reference herein.

ITEM 2. EXHIBITS

The following exhibits are filed herewith or are incorporated by  
reference as indicated below.

EXHIBIT NUMBER -----	DESCRIPTION -----
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- 3.1 Amended and Restated Certificate of Incorporation.\*
- 3.2 By-laws.\*
- 4.1 Specimen Unit Certificate.\*
- 4.2 Specimen Common Stock Certificate.\*
- 4.3 Specimen Warrant Certificate.\*
- 4.4 Form of Warrant Agreement between Continental Stock Transfer & Trust Company and the Company.\*

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Incorporated by reference to the corresponding exhibit filed with the Registration Statement, SEC File No. 333-124712.

SIGNATURE

Pursuant to the requirements of Section 12 of the Securities Exchange Act of 1934, the Registrant has duly caused this registration statement to be signed on its behalf by the undersigned, thereto duly authorized.

Healthcare Acquisition Corp.

Date: July 26, 2005

By: /s/ Matthew P. Kinley  
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Matthew P. Kinley  
President