

SELECT MEDICAL HOLDINGS CORP  
 Form 3  
 September 24, 2009

**FORM 3 UNITED STATES SECURITIES AND EXCHANGE COMMISSION**  
**Washington, D.C. 20549**

OMB APPROVAL

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**INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES**

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934,  
 Section 17(a) of the Public Utility Holding Company Act of 1935 or Section  
 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \* 2. Date of Event Requiring Statement  
 À ORTENZIO ROBERT A (Month/Day/Year)  
 (Last) (First) (Middle) 09/24/2009

3. Issuer Name and Ticker or Trading Symbol  
 SELECT MEDICAL HOLDINGS CORP [SEM]

4. Relationship of Reporting Person(s) to Issuer 5. If Amendment, Date Original Filed(Month/Day/Year)

C/O SELECT MEDICAL HOLDINGS CORPORATION,À 4714 GETTYSBURG ROAD  
 (Street)

(Check all applicable)

Director  10% Owner  
 Officer  Other (specify below)  
 Chief Executive Officer

MECHANICSBURG,À PAÀ 17055  
 (City) (State) (Zip)

6. Individual or Joint/Group Filing(Check Applicable Line)  
 Form filed by One Reporting Person  
 Form filed by More than One Reporting Person

**Table I - Non-Derivative Securities Beneficially Owned**

| 1. Title of Security (Instr. 4) | 2. Amount of Securities Beneficially Owned (Instr. 4) | 3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5) | 4. Nature of Indirect Beneficial Ownership (Instr. 5) |
|---------------------------------|---|--|---|
| Common Stock                    | 6,022,825   | D  | À   |
| Common Stock                    | 3,750,000   | I <sup>(1)</sup>   | By The Rocco A. Ortenzio Descendants Trust            |
| Common Stock                    | 2,100,000   | I <sup>(1)</sup>   | By The Robert A. Ortenzio Descendants Trust           |

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

SEC 1473 (7-02)

**Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.**

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

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| 1. Title of Derivative Security<br>(Instr. 4) | 2. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |                    | 3. Title and Amount of<br>Securities Underlying<br>Derivative Security<br>(Instr. 4) |                                  | 4.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 5.<br>Ownership<br>Form of<br>Derivative<br>Security:<br>Direct (D)<br>or Indirect<br>(I)<br>(Instr. 5) | 6. Nature of Indirect<br>Beneficial Ownership<br>(Instr. 5) |
|---|--|--------------------|--|----------------------------------|---|---|---|
|   | Date<br>Exercisable  | Expiration<br>Date | Title  | Amount or<br>Number of<br>Shares |   |   |   |
| Participating Preferred<br>Stock              | Â (2)  | Â (2)              | Common<br>Stock  | 2,652,106<br>(3)                 | \$ 0  | D   | Â   |

## Reporting Owners

| Reporting Owner Name / Address  | Relationships |           |                                 |       |
|---|---------------|-----------|---------------------------------|-------|
|   | Director      | 10% Owner | Officer                         | Other |
| ORTENZIO ROBERT A<br>C/O SELECT MEDICAL HOLDINGS CORPORATION<br>4714 GETTYSBURG ROAD<br>MECHANICSBURG, PA 17055 | Â X           | Â         | Â Chief<br>Executive<br>Officer | Â     |

## Signatures

/s/ Michael E. Tarvin, as  
attorney-in-fact

09/24/2009

\_\_Signature of Reporting Person

Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, *see* Instruction 5(b)(v).
- \*\* Intentional misstatements or omissions of facts constitute Federal Criminal Violations. *See* 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- (1) The reporting person beneficially owns the reported securities indirectly, but disclaims beneficial ownership of the reported securities except to the extent of his pecuniary interest therein.
- (2) Upon consummation of the Company's initial public offering, all shares of Participating Preferred Stock will convert automatically into Common Stock.
- (3) Represents the number of shares of Common Stock that the reporting person will receive upon the conversion of the Participating Preferred Stock into Common Stock, assuming a closing date for the Company's initial public offering of September 30, 2009.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *See* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.