

HMS HOLDINGS CORP  
Form 4  
September 12, 2012

**FORM 4**

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

OMB APPROVAL

OMB Number: 3235-0287  
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Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

**STATEMENT OF CHANGES IN 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 \*  
STOWE RICHARD H

(Last) (First) (Middle)

401 PARK AVENUE SOUTH

(Street)

NEW YORK, NY 10016

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol  
HMS HOLDINGS CORP [HMSY]

3. Date of Earliest Transaction  
(Month/Day/Year)  
09/10/2012

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

Director  10% Owner  
 Officer (give title below)  Other (specify below)

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 Acquired, Disposed of, or Beneficially Owned**

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
Common Stock	09/10/2012		M	V Amount A \$ 60,000 1.0166	68,249 <sup>(1)</sup> <sup>(2)</sup> <sub>(3)</sub>	D	
Common Stock	09/10/2012		S	V Amount D \$ 60,000 33.76	8,249 <sup>(1)</sup> <sup>(2)</sup> <sub>(3)</sub>	D	

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

**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.**

SEC 1474 (9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

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1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)	5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	6. Date Exercisable and Expiration Date (Month/Day/Year)	7. Title and Amount of Underlying Securities (Instr. 3 and 4)
Non Qualified Stock Option (Right to Buy)	\$ 1.0166	09/10/2012		M	60,000	11/06/2003 <sup>(4)</sup> 11/06/2013	Common Stock 60,000

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
STOWE RICHARD H 401 PARK AVENUE SOUTH NEW YORK, NY 10016			X	

## Signatures

/s/ Walter D. Hosp by Power of Attorney for Richard H. Stowe 09/12/2012

\_\_Signature of Reporting Person Date

## Explanation of Responses:

- \* If the form is filed by more than one reporting person, see Instruction 4(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) Includes deferred stock units acquired under the Issuer's Director Deferred Compensation Plan in lieu of Reporting Person's quarterly retainer for Board services.  
 These shares include restricted stock units (RSUs) which were granted on October 1, 2011. This grant vests quarterly, with the first quarter vesting on December 31, 2011. These RSUs has been deferred by the Reporting Person under the Issuer's Director Deferred Compensation Plan and will be settled in shares of the Issuer's common stock upon termination of the Reporting Person's service as a director of the Issuer.
- (2) Includes deferred stock units acquired under the Issuer's Director Deferred Compensation Plan in lieu of Reporting Person's quarterly retainer for Board services.  
 These shares include restricted stock units (RSUs) which were granted on October 1, 2010. This grant vested quarterly, with the first quarter vesting on December 31, 2010. These RSUs has been deferred by the Reporting Person under the Issuer's Director Deferred Compensation Plan and will be settled in shares of the Issuer's common stock upon termination of the Reporting Person's service as a director of the Issuer.
- (3) Includes deferred stock units acquired under the Issuer's Director Deferred Compensation Plan in lieu of Reporting Person's quarterly retainer for Board services.  
 These shares include restricted stock units (RSUs) which were granted on October 1, 2010. This grant vested quarterly, with the first quarter vesting on December 31, 2010. These RSUs has been deferred by the Reporting Person under the Issuer's Director Deferred Compensation Plan and will be settled in shares of the Issuer's common stock upon termination of the Reporting Person's service as a director of the Issuer.
- (4) Date shown is grant date. This grant vested annually in one third increments beginning on grant date.
- (5) Only refers to derivative securities in this class.

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.