

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

SCHEDULE 13G

Under the Securities Exchange Act of 1934
(Amendment No. _____)*

InfuSystem Holdings, Inc.

(Name of Issuer)

Common Stock,
par value \$0.0001 per share

(Title of Class of Securities)

45685K102

(CUSIP Number)

Scott A Shuda
Meridian OHC Partners, LP
70 East 55th Street, 17th Floor
New York, NY 10022

(Name, Address and Telephone Number of Person
Authorized to Receive Notices and Communications)

May 1, 2014

(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
 Rule 13d-1(c)
 Rule 13d-1(d)

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

Meridian OHC Partners, LP
46-3724228

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
(see instructions)
Not applicable
(a)
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

1,194,084

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

1,194,084

NUMBER OF SHARES
BENEFICIALLY OWNED
BY EACH REPORTING
PERSON WITH

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,288,364

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.8%

12. TYPE OF REPORTING PERSON (see instructions)

PN

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

TSV Investment Partners, LLC
27-1033220

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(see instructions)

Not applicable

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Connecticut

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

1,194,084

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

1,194,084

NUMBER OF SHARES
BENEFICIALLY OWNED
BY EACH REPORTING
PERSON WITH

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,288,364

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.8%

12. TYPE OF REPORTING PERSON (see instructions)

OO

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

BlueLine Capital Partners II, LP
20-4921646

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP

(see instructions)

Not applicable

(a)

(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

44,280

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

44,280

NUMBER OF SHARES
BENEFICIALLY OWNED
BY EACH REPORTING
PERSON WITH

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,288,364

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.8%

12. TYPE OF REPORTING PERSON (see instructions)

PN

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

BlueLine Catalyst Fund IX, LP
20-2775985

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
(see instructions)
Not applicable
(a)
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

50,000

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

50,000

NUMBER OF SHARES
BENEFICIALLY OWNED
BY EACH REPORTING
PERSON WITH

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,288,364

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.8%

12. TYPE OF REPORTING PERSON (see instructions)

PN

1. NAMES OF REPORTING PERSONS
I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

BlueLine Partners, LLC
20-2141854

2. CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP
(see instructions)
Not applicable
(a)
(b)

3. SEC USE ONLY

4. CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

5. SOLE VOTING POWER

0

6. SHARED VOTING POWER

94,280

7. SOLE DISPOSITIVE POWER

0

8. SHARED DISPOSITIVE POWER

94,280

NUMBER OF SHARES
BENEFICIALLY OWNED
BY EACH REPORTING
PERSON WITH

9. AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

1,288,364

10. CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES
(see instructions)

11. PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

5.8%

12. TYPE OF REPORTING PERSON (see instructions)

OO

Item 1.

- (a) Name of Issuer
InfuSystem Holdings, Inc.
- (b) Address of Issuer's Principal Executive Offices
31700 Research Park Drive
Madison Heights, Michigan 48071

Item 2.

- (a) Name of Person Filing
 - (i) Meridian OHC Partners, LP
 - (ii) TSV Investment Partners, LLC
 - (iii) BlueLine Capital Partners II, LP
 - (iv) BlueLine Catalyst Fund IX, LP
 - (v) BlueLine Partners, LLC
 - (b) Address of the Principal Office or, if none, residence
c/o Scott A Shuda
Meridian OHC Partners, LP
70 East 55th Street, 17th Floor
New York, NY 10022
 - (c) Citizenship
 - (i) Meridian OHC Partners, LP is a Delaware limited partnership
 - (ii) TSV Investment Partners, LLC is a Connecticut limited liability company
 - (iii) BlueLine Capital Partners II, LP is a Delaware limited partnership
 - (iv) BlueLine Catalyst Fund IX, LP is a Delaware limited partnership
 - (v) BlueLine Partners, LLC is a Delaware limited liability company
 - (d) Title of Class of Securities
Common stock, par value \$0.0001 per share
 - (e) CUSIP Number
45685K102
-

Item 3. If this statement is filed pursuant to §§240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- (a) Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).
- (b) Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).
- (c) Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).
- (d) Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8).
- (e) An investment adviser in accordance with §240.13d-1(b)(1)(ii)(E);
- (f) An employee benefit plan or endowment fund in accordance with §240.13d-1(b)(1)(ii)(F);
- (g) A parent holding company or control person in accordance with §240.13d-1(b)(1)(ii)(G);
- (h) A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i) A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j) Group, in accordance with §240.13d-1(b)(1)(ii)(J).

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- (i) Meridian OHC Partners, LP
 - (a) Amount beneficially owned: 1,194,084
 - (b) Percent of class: 5.4%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 0.
 - (ii) Shared power to vote or to direct the vote 1,194,084.
 - (iii) Sole power to dispose or to direct the disposition of 0.
 - (iv) Shared power to dispose or to direct the disposition of 1,194,084.
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- (ii) TSV Investment Partners, LLC
 - (a) Amount beneficially owned: 1,194,084
 - (b) Percent of class: 5.4%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 0.
 - (ii) Shared power to vote or to direct the vote 1,194,084.
 - (iii) Sole power to dispose or to direct the disposition of .
 - (iv) Shared power to dispose or to direct the disposition of 1,194,084.

 - (iii) BlueLine Capital Partners II, LP
 - (a) Amount beneficially owned: 44,280
 - (b) Percent of class: 0.2%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 0.
 - (ii) Shared power to vote or to direct the vote 44,280.
 - (iii) Sole power to dispose or to direct the disposition of 0.
 - (iv) Shared power to dispose or to direct the disposition of 44,280.

 - (iv) BlueLine Catalyst Fund IX, LP
 - (a) Amount beneficially owned: 50,000
 - (b) Percent of class: 0.2%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 0.
 - (ii) Shared power to vote or to direct the vote 50,000.
 - (iii) Sole power to dispose or to direct the disposition of 0.
 - (iv) Shared power to dispose or to direct the disposition of 50,000.
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- (v) BlueLine Partners, LLC
- (a) Amount beneficially owned: 94,280
 - (b) Percent of class: 0.4%
 - (c) Number of shares as to which the person has:
 - (i) Sole power to vote or to direct the vote 0.
 - (ii) Shared power to vote or to direct the vote 94,280.
 - (iii) Sole power to dispose or to direct the disposition of 0.
 - (iv) Shared power to dispose or to direct the disposition of 94,280.

Instruction. For computations regarding securities which represent a right to acquire an underlying security *see* §240.13d-3(d)(1).

Item 5. Ownership of Five Percent or Less of a Class.

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following .

Instruction. Dissolution of a group requires a response to this item.

Item 6. Ownership of More than Five Percent on Behalf of Another Person.

Not applicable.

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on By the Parent Holding Company.

Not applicable.

Item 8. Identification and Classification of Members of the Group.

Not applicable.

Item 9. Notice of Dissolution of Group.

Not applicable.

Item 10. Certification.

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect, other than activities solely in connection with a nomination under § 240.14a-11.

SIGNATURES

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Date: May 9, 2014

Meridian OHC Partners, L.P.

By: TSV Investment Partners, L.L.C.
Its: General Partner

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

TSV Investment Partners, L.L.C.

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

BlueLine Capital Partners II, L.P.

By: BlueLine Partners, L.L.C.
Its: General Partner

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

BlueLine Catalyst Fund IX, L.P.

By: BlueLine Partners, L.L.C.
Its: General Partner

By: /s/ Scott Shuda
Title: Managing Director

BlueLine Partners, L.L.C.

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

EXHIBIT AJoint Filing Agreement

The undersigned acknowledge and agree that the foregoing statement on Schedule 13G is filed on behalf of each of the undersigned and that all subsequent amendments to this statement on Schedule 13G shall be filed on behalf of each of the undersigned without the necessity of filing additional joint filing agreements. The undersigned acknowledge that each shall be responsible for the timely filing of such amendments, and for the completeness and accuracy of the information concerning it contained therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent it knows or has reason to believe that such information is inaccurate. This Joint Filing Agreement may be executed in any number of counterparts and all of such counterparts taken together shall constitute one and the same instrument.

Date: May 9, 2014

Meridian OHC Partners, L.P.

By: TSV Investment Partners, L.L.C.
Its: General Partner

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

TSV Investment Partners, L.L.C.

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

BlueLine Capital Partners II, L.P.

By: BlueLine Partners, L.L.C.
Its: General Partner

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director

BlueLine Partners, L.L.C.

By: /s/ Scott Shuda
Name: Scott Shuda
Title: Managing Director
