AtriCure, Inc. Form SC 13G July 22, 2013

SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

#### SCHEDULE 13G

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

# ATRICURE, INC. (Name of Issuer)

Common Stock, par value \$0.001 per share (Title of Class of Securities)

04963C209 (CUSIP Number)

July 12, 2013 (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)
x Rule	13d-1(c)

" Rule 13d-1(d)

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disclosures provided in a prior cover page.

\*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 the

The information required in 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).

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ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF

CLASS REPRESENTED BY

11 AMOUNT IN ROW

(9)

5.24% TYPE OF REPORTING PERSON

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**12** 

1	NAMI REPO PERS	RTING
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1,096,880 CHECK BOX IF THE AGGREGATE

AMOUNT IN .. ROW (9)
EXCLUDES
CERTAIN
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PERCENT OF

**CLASS** 

REPRESENTED BY AMOUNT IN ROW

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5.24% TYPE OF REPORTING PERSON

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1,096,880 CHECK BOX IF THE AGGREGATE AMOUNT IN ..

10 ROW (9) **EXCLUDES CERTAIN SHARES** PERCENT OF

**CLASS** 

REPRESENTED BY AMOUNT IN ROW

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5.24% TYPE OF REPORTING **PERSON** 

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CHECK BOX IF THE

AGGREGATE AMOUNT IN ..

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ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF

**CLASS** 

REPRESENTED BY AMOUNT IN ROW

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**12** 

5.24% TYPE OF REPORTING PERSON

IN

1	NAME OF REPORTING PERSON		
2 3 4	Phillip Gross CHECK THE APPROPRIATE BOX IF A MEMBER (b) " OF A GROUP SEC USE ONLY CITIZENSHIP OR PLACE OF ORGANIZATION		
	United States		
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CHECK BOX IF THE

AGGREGATE AMOUNT IN ..

10 AMOUNT IN

ROW (9) EXCLUDES CERTAIN SHARES PERCENT OF

**CLASS** 

REPRESENTED BY AMOUNT IN ROW

(9)

5.24% TYPE OF REPORTING PERSON

IN

11

**12** 

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#### Item 1(a). NAME OF ISSUER

The name of the issuer is ATRICURE, INC. (the "Company").

#### Item 1(b). ADDRESS OF ISSUER'S PRINCIPAL EXECUTIVE OFFICES

The Company's principal executive offices are located at 6217 Centre Park Drive, West Chester, Ohio 45069.

### Item 2(a). NAME OF PERSON FILING

This statement is filed by:

- (i) Adage Capital Partners, L.P., a Delaware limited partnership ("ACP") with respect to the shares of Common Stock directly owned by it;
- Adage Capital Partners GP, L.L.C., a limited liability company organized under the laws of the State of (ii) Delaware ("ACPGP"), as general partner of ACP with respect to the shares of Common Stock directly owned by ACP;
- Adage Capital Advisors, L.L.C., a limited liability company organized under the laws of the State of (iii) Delaware ("ACA"), as managing member of ACPGP, general partner of ACP, with respect to the shares of Common Stock directly owned by ACP;
- (iv) Robert Atchinson ("Mr. Atchinson"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP; and
- (v) Phillip Gross ("Mr. Gross"), as managing member of ACA, managing member of ACPGP, general partner of ACP with respect to the shares of Common Stock directly owned by ACP.

The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Any disclosures herein with respect to persons other than the Reporting Persons are made on information and belief after making inquiry to the appropriate party.

### Item 2(b). ADDRESS OF PRINCIPAL BUSINESS OFFICE OR, IF NONE, RESIDENCE

The address of the business office of each of the Reporting Persons is 200 Clarendon Street, 52nd floor, Boston, Massachusetts 02116.

### Item 2(c). CITIZENSHIP

ACP is a limited partnership organized under the laws of the State of Delaware. ACPGP and ACA are limited liability companies organized under the laws of the State of Delaware. Messrs. Gross and Atchinson are citizens of the United States.

#### Item 2(d). TITLE OF CLASS OF SECURITIES

Common Stock, par value \$0.001 per share (the "Common Stock").

#### Item 2(e). CUSIP NUMBER

04963C209

### Item IF THIS STATEMENT IS FILED PURSUANT TO Rules 13d-1(b), OR 13d-2(b) OR (c), CHECK 3. WHETHER THE PERSON FILING IS A:

- (a) "Broker or dealer registered under Section 15 of the Act;
- (b) "Bank as defined in Section 3(a)(6) of the Act;
- (c) "Insurance company as defined in Section 3(a)(19) of the Act;
- (d)"Investment company registered under Section 8 of the Investment Company Act of 1940;
- (e) "An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E);
- (f) "An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F);
- (g)" A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G);
- (h) "A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act;
- (i) "A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act;
- (i) "A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J);
- (k) "Group, in accordance with Rule 13d-1(b)(1)(ii)(K).

If filing as a non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J), please

specify the type of institution: Not applicable.

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#### **Item 4. OWNERSHIP**

- A. Adage Capital Partners, L.P., Adage Capital Partners GP, L.L.C. and Adage Capital Advisors, L.L.C.
  - (a) Amount beneficially owned: 1,096,880

    Percent of class: 5.24%. The percentages used herein and in the rest of Item 4 are calculated based upon 20,931,827 shares of Common
  - (b) Stock outstanding as of April 26, 2013 as reported in the Company's most recent Quarterly Report on Form 10-Q for the quarterly period ended March 31, 2013.
  - (c) (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 1,096,880
    - (iii) Sole power to dispose or direct the disposition: 0
    - (iv) Shared power to dispose or direct the disposition of: 1,096,880

ACP has the power to dispose of and the power to vote the shares of Common Stock beneficially owned by it, which power may be exercised by its general partner, ACPGP. ACA, as managing member of ACPGP, directs ACPGP's operations. Neither ACPGP nor ACA directly own any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Securities Exchange Act of 1934 (the "Act"), ACPGP and ACA may be deemed to beneficially own the shares owned by ACP.

- B. Robert Atchinson and Phillip Gross
  - (a) Amount beneficially owned: 1,096,880
  - (b) Percent of class: 5.24%
  - (c) (i) Sole power to vote or direct the vote: 0
    - (ii) Shared power to vote or direct the vote: 1,096,880
    - (iii) Sole power to dispose or direct the disposition: 0
    - (iv) Shared power to dispose or direct the disposition: 1,096,880

Messrs. Atchinson and Gross, as managing members of ACA, have shared power to vote the Common Stock beneficially owned by ACP. Neither Mr. Atchinson nor Mr. Gross directly own any shares of Common Stock. By reason of the provisions of Rule 13d-3 of the Act, each may be deemed to beneficially own the shares beneficially owned by ACP.

#### Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS

Not applicable.

### Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON Not applicable.

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## Item 7. IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY OR CONTROL PERSON

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**

Each of the Reporting Persons hereby makes the following certification:

By signing below each Reporting Person certifies that, to the best of his or its 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.

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#### **SIGNATURES**

After reasonable inquiry and to the best of his or its knowledge and belief, each of the undersigned certifies that the information set forth in this statement is true, complete and correct.

DATE: July 22, 2013

ADAGE CAPITAL PARTNERS, L.P. By: Adage Capital Partners GP, L.L.C., its general partner

By: Adage Capital Advisors, L.L.C., its managing member

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.

By: Adage Capital Advisors, L.L.C.,

its managing member

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

/s/ Robert Atchinson ROBERT ATCHINSON, individually

/s/ Phillip Gross PHILLIP GROSS, individually

CUSIP No. 04963C209 13GPage 12 of 12 Pages **EXHIBIT 1** 

JOINT FILING AGREEMENT PURSUANT TO RULE 13d-1(k)

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 him or it contained herein and therein, but shall not be responsible for the completeness and accuracy of the information concerning the others, except to the extent that he or it knows or has reason to believe that such information is inaccurate.

DATE: July 22, 2013

ADAGE CAPITAL PARTNERS, L.P. By: Adage Capital Partners GP, L.L.C., its general partner

By: Adage Capital Advisors, L.L.C., its managing member

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL PARTNERS GP, L.L.C.

By: Adage Capital Advisors, L.L.C., its managing member

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

ADAGE CAPITAL ADVISORS, L.L.C.

/s/ Robert Atchinson Name: Robert Atchinson Title: Managing Member

/s/ Robert Atchinson ROBERT ATCHINSON, individually

/s/ Phillip Gross

PHILLIP GROSS, individually