

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

Sotera Health Co

(Name of Issuer)

Common Stock, par value \$0.01 per share

(Title of Class of Securities)

(CUSIP Number)

05/11/2026

(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)

SCHEDULE 13G

CUSIP No.

Names of Reporting Persons

1

Sachem Head Capital Management LP

Check the appropriate box if a member of a Group (see instructions)

2

☒ (a)

☐ (b)

3

Sec Use Only

Citizenship or Place of Organization

4

DELAWARE

Number of

Sole Voting Power

Shares

5

Beneficially

0.00

Owned by Each Reporting Person With: 6 Shared Voting Power  
15,560,000.00  
Sole Dispositive Power  
7  
0.00  
Shared Dispositive Power  
8  
15,560,000.00

9 Aggregate Amount Beneficially Owned by Each Reporting Person  
15,560,000.00  
Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)  
10 ☐  
Percent of class represented by amount in row (9)  
11 5.46 %  
Type of Reporting Person (See Instructions)  
12 IA

**Comment for Type of Reporting Person:** The percentages used herein are calculated based upon 285,166,994 shares of Common Stock outstanding (as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on May 5, 2026).

## SCHEDULE 13G

### CUSIP No.

Names of Reporting Persons  
1 Uncas GP LLC  
Check the appropriate box if a member of a Group (see instructions)  
2 ☒ (a)  
☐ (b)  
3 Sec Use Only  
Citizenship or Place of Organization  
4 DELAWARE  
Sole Voting Power  
5  
0.00  
Shared Voting Power  
6  
15,560,000.00  
Sole Dispositive Power  
7  
0.00  
Shared Dispositive Power  
8  
15,560,000.00  
Aggregate Amount Beneficially Owned by Each Reporting Person  
9  
15,560,000.00  
Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)  
10

|    |                          |                                                   |
|----|--------------------------|---------------------------------------------------|
|    | <input type="checkbox"/> | Percent of class represented by amount in row (9) |
| 11 |                          | 5.46 %                                            |
|    |                          | Type of Reporting Person (See Instructions)       |
| 12 |                          | OO                                                |

**Comment for Type of Reporting Person:** The percentages used herein are calculated based upon 285,166,994 shares of Common Stock outstanding (as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on May 5, 2026).

## SCHEDULE 13G

### CUSIP No.

|    |                                                                                         |  |
|----|-----------------------------------------------------------------------------------------|--|
|    | Names of Reporting Persons                                                              |  |
| 1  | Sachem Head GP LLC                                                                      |  |
|    | Check the appropriate box if a member of a Group (see instructions)                     |  |
| 2  | <input checked="" type="checkbox"/> (a)                                                 |  |
|    | <input type="checkbox"/> (b)                                                            |  |
| 3  | Sec Use Only                                                                            |  |
|    | Citizenship or Place of Organization                                                    |  |
| 4  | DELAWARE                                                                                |  |
|    | Sole Voting Power                                                                       |  |
| 5  | 0.00                                                                                    |  |
|    | Shared Voting Power                                                                     |  |
| 6  | 11,450,000.00                                                                           |  |
|    | Sole Dispositive Power                                                                  |  |
| 7  | 0.00                                                                                    |  |
|    | Shared Dispositive                                                                      |  |
| 8  | Power                                                                                   |  |
|    | 11,450,000.00                                                                           |  |
| 9  | Aggregate Amount Beneficially Owned by Each Reporting Person                            |  |
|    | 11,450,000.00                                                                           |  |
| 10 | Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) |  |
|    | <input type="checkbox"/>                                                                |  |
|    | Percent of class represented by amount in row (9)                                       |  |
| 11 | 4.02 %                                                                                  |  |
|    | Type of Reporting Person (See Instructions)                                             |  |
| 12 | OO                                                                                      |  |

**Comment for Type of Reporting Person:** The percentages used herein are calculated based upon 285,166,994 shares of Common Stock outstanding (as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on May 5, 2026).

## SCHEDULE 13G

CUSIP No.

1 Names of Reporting Persons  
Ferguson Scott D.  
Check the appropriate box if a member of a Group (see instructions)

2 ☒ (a)  
☐ (b)

3 Sec Use Only  
Citizenship or Place of Organization

4 UNITED STATES

5 Sole Voting Power  
0.00  
Number of Shares Beneficially Owned by Each Reporting Person  
6 Shared Voting Power  
15,560,000.00  
7 Sole Dispositive Power  
0.00  
8 Shared Dispositive Power

15,560,000.00  
Aggregate Amount Beneficially Owned by Each Reporting Person  
9 15,560,000.00  
Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)

10 ☐  
Percent of class represented by amount in row (9)

11 5.46 %  
Type of Reporting Person (See Instructions)

12 IN

**Comment for Type of Reporting Person:** The percentages used herein are calculated based upon 285,166,994 shares of Common Stock outstanding (as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on May 5, 2026).

SCHEDULE 13G

Item 1.

(a) Name of issuer:  
Sotera Health Co  
Address of issuer's principal executive offices:  
(b) 9100 South Hills Blvd, Suite 300, Broadview Heights, OH 44147

Item 2.

(a) Name of person filing:

This statement is filed by: (i) Sachem Head Capital Management LP, a Delaware limited partnership ("Sachem Head"); (ii) Uncas GP LLC, a Delaware limited liability company ("SH Management"); (iii) Sachem Head GP LLC, a Delaware limited liability company ("Sachem Head GP"); and (iv) Scott D. Ferguson, a citizen of the United States of America ("Mr. Ferguson"). The foregoing persons are hereinafter sometimes collectively referred to as the "Reporting Persons." Sachem Head serves as investment advisor to certain affiliated funds, including Sachem Head

LP, a Delaware limited partnership ("SH"), Sachem Head Master LP, an exempted limited partnership organized under the laws of the Cayman Islands ("SHM"), and SH Stony Creek Master Ltd., an exempted company incorporated under the laws of the Cayman Islands ("Stony Creek"), and as such may be deemed to have the shared power to vote or direct the vote of (and the shared power to dispose or direct the disposition of) all of the shares of Common Stock (as defined in Item 2(d) below) held by SH, SHM, and Stony Creek. SH Management serves as the sole general partner of Sachem Head, and as such may be deemed to have the shared power to vote or direct the vote of (and the shared power to dispose or direct the disposition of) all of the shares of Common Stock reported herein. Sachem Head GP serves as the general partner of certain affiliated funds, including SH and SHM, and as such may be deemed to have the shared power to vote or direct the vote of (and the shared power to dispose or direct the disposition of) all of the shares of Common Stock held by SH and SHM. Mr. Ferguson serves as the managing partner of Sachem Head and the managing member of SH Management and Sachem Head GP, and as such may be deemed to have the shared power to vote or direct the vote of (and the shared power to dispose or direct the disposition of) all of the shares of Common Stock reported herein. The filing of this statement should not be construed as an admission that any of the Reporting Persons is, for the purposes of Section 13 of the Act, the beneficial owner of the Common Stock reported herein.

Address or principal business office or, if none, residence:

- (b) The address of the business office of each of the Reporting Persons is 250 West 55th Street, 34th Floor, New York, New York 10019.

Citizenship:

- (c) Sachem Head is a Delaware limited partnership. Each of SH Management and Sachem Head GP is a Delaware limited liability company. Mr. Ferguson is a citizen of the United States.

Title of class of securities:

- (d) Common Stock, par value \$0.01 per share

- (e) CUSIP No.:

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) ☐ A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k) ☐ Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Item 4. Ownership

Amount beneficially owned:

- (a) The information required by Items 4(a) - (c) is set forth in Rows (5) - (11) of the cover page for each Reporting Person hereto and is incorporated herein by reference for each such Reporting Person. The percentages used herein are calculated based upon 285,166,994 shares of Common Stock outstanding (as reported in the Issuer's Quarterly Report on Form 10-Q, filed with the Securities and Exchange Commission on May 5, 2026).

Percent of class:

- (b) See response to Item 11 on the cover page for each Reporting Person %

- (c) Number of shares as to which the person has:

(i) Sole power to vote or to direct the vote:

See response to Item 5 on the cover page for each Reporting Person

(ii) Shared power to vote or to direct the vote:

See response to Item 6 on the cover page for each Reporting Person

(iii) Sole power to dispose or to direct the disposition of:

See response to Item 7 on the cover page for each Reporting Person

(iv) Shared power to dispose or to direct the disposition of:

See response to Item 8 on the cover page for each Reporting Person

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

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

If any other person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, such securities, a statement to that effect should be included in response to this item and, if such interest relates to more than 5 percent of the class, such person should be identified. A listing of the shareholders of an investment company registered under the Investment Company Act of 1940 or the beneficiaries of employee benefit plan, pension fund or endowment fund is not required.

See Item 2.

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. Certifications:

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.

## SIGNATURE

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.

Sachem Head Capital Management LP

Signature: /s/ Scott D. Ferguson

Name/Title: Managing Member

Date: 05/15/2026

Uncas GP LLC

Signature: /s/ Scott D. Ferguson

Name/Title: Managing Member

Date: 05/15/2026

Sachem Head GP LLC

Signature: /s/ Scott D. Ferguson

Name/Title: Managing Member

Date: 05/15/2026

Ferguson Scott D.

Signature: /s/ Scott D. Ferguson

Name/Title: Managing Member

Date: 05/15/2026

**Exhibit Information**

EXHIBIT 1 JOINT ACQUISITION STATEMENT 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 acquisition statements. 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 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. DATED: May 15, 2026 SACHEM HEAD CAPITAL MANAGEMENT LP By: Uncas GP LLC, its General Partner By: /s/ Scott D. Ferguson Scott D. Ferguson Managing Member UNCAS GP LLC By: /s/ Scott D. Ferguson Scott D. Ferguson Managing Member SACHEM HEAD GP LLC By: /s/ Scott D. Ferguson Scott D. Ferguson Managing Member /s/ Scott D. Ferguson Scott D. Ferguson