SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934

(Amendment No. 1)*

Sotera Health Co

(Name of Issuer)

Common Stock, par value $0.01 per share

(Title of Class of Securities)

(CUSIP Number)

06/30/2026

(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.

1	Names of Reporting Persons Sessa Capital IM, L.P.
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)
3	Sec Use Only
4	Citizenship or Place of Organization DELAWARE

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 27,050,000.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 27,050,000.00

9	Aggregate Amount Beneficially Owned by Each Reporting Person 27,050,000.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐
11	Percent of class represented by amount in row (9) 9.5 %
12	Type of Reporting Person (See Instructions) IA, PN

SCHEDULE 13G

CUSIP No.

1	Names of Reporting Persons John Petry
2	Check the appropriate box if a member of a Group (see instructions) ☐ (a) ☐ (b)
3	Sec Use Only
4	Citizenship or Place of Organization UNITED STATES

Number of Shares Beneficially Owned by Each Reporting Person With:	5	Sole Voting Power 0.00
	6	Shared Voting Power 27,050,000.00
	7	Sole Dispositive Power 0.00
	8	Shared Dispositive Power 27,050,000.00

9	Aggregate Amount Beneficially Owned by Each Reporting Person 27,050,000.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions) ☐

11	Percent of class represented by amount in row (9) 9.5 %
12	Type of Reporting Person (See Instructions) HC, IN

SCHEDULE 13G

Item 1.

(a) Name of issuer:

Sotera Health Co

(b) Address of issuer's principal executive offices:

9100 SOUTH HILLS BLVD, SUITE 300, BROADVIEW HEIGHTS, OH 44147

Item 2.

(a) Name of person filing:

This statement amends the Schedule 13G filed by Sessa Capital (Master), L.P. on February 17, 2026. This statement is filed by: (i) Sessa Capital IM, L.P. ("Sessa IM"), which serves as the investment manager to certain investment funds and accounts (the "Sessa Funds"), with respect to shares of common stock, par value $0.01 per share ("Common Stock"), of Sotera Health Company, a Delaware corporation (the "Company"), held by the Sessa Funds; and (ii) John Petry, who serves as the sole member and manager of Sessa Capital IM GP, LLC ("Sessa IM GP"), the general partner of Sessa IM, with respect to the shares of Common Stock held by the Sessa Funds. The filing of this statement should not be construed as an admission that any Reporting Person is, for purposes of Section 13 of the Act, the beneficial owner of the securities reported herein.

(b) Address or principal business office or, if none, residence:

The address of the business office of each of the Reporting Persons and Sessa IM GP is 888 Seventh Avenue, 30th Floor, New York, NY 10019.

(c) Citizenship:

Sessa IM is a Delaware limited partnership. Sessa IM GP is a Delaware limited liability company. Mr. Petry is a United States citizen.

(d) Title of class of securities:

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

(a) Amount beneficially owned:

The information required by Item 4(a) is set forth in Row 9 of the cover page for each of the Reporting Persons and is incorporated herein by reference. The percentage set forth in this Schedule 13G is calculated based upon an aggregate of 285,166,994 shares of Common Stock outstanding following the completion of the offering of Common Stock described in the Company's Prospectus filed with the SEC on May 12, 2026.

(b) Percent of class:

9.5% %

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

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

The information required by Item 4(c)(i) is set forth in Row 5 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

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

The information required by Item 4(c)(ii) is set forth in Row 6 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

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

The information required by Item 4(c)(iii) is set forth in Row 7 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

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

The information required by Item 4(c)(iv) is set forth in Row 8 of the cover page for each of the Reporting Persons and is incorporated herein by reference.

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(a). Sessa Capital (Master), L.P., a Sessa Fund, has the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, more than 5% of the Common Stock of the Company.

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 acquired and are held in the ordinary course of business and 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.

Sessa Capital IM, L.P.

Signature: /s/ John Petry

Name/Title: John Petry, Sole Member and Manager of Sessa

Capital IM GP, LLC, its General Partner
Date: 08/14/2026

John Petry

Signature: /s/ John Petry
Name/Title: John Petry, Individually
Date: 08/14/2026