UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Post-Effective Amendment No.1 to FORM S-3 REGISTRATION STATEMENT

UNDER
THE SECURITIES ACT OF 1933

HEALTHSTREAM, INC.

(Exact name of registrant as specified in its charter)

Tennessee (State or other jurisdiction of incorporation or organization) 62-1443555 (I.R.S. Employee Identification Number)

209 10th Avenue South, Suite 450 Nashville, Tennessee 37203 (615) 301-3100

 $(Address, including\ zip\ code, and\ telephone\ number, including\ area\ code, of\ registrant's\ principal\ executive\ offices)$

Robert A. Frist, Jr.

President, Chief Executive Officer and Chairman
HealthStream, Inc.
209 10th Avenue South, Suite 450
Nashville, Tennessee 37203
(615) 301-3100

(Name, address, including zip code, and telephone number, including area code, of agent for service)

Copy to:

J. Page Davidson Kevin H. Douglas Bass, Berry & Sims PLC 150 Third Avenue South, Suite 2800 Nashville, Tennessee 37201 (615) 742-6200

Approximate date of commencement of proposed sale to the public: From time to time after the effective date of this Registration Statement.

If the only securities being registered on this Form are being offered pursuant to dividend or interest reinvestment plans, please check the following box. \Box

Non-accelerated filer

f any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933 other than securities offered only in connection with dividend or interest reinvestment plans, check the following box.
f this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, please check the following box and list he Securities Act registration statement number of the earlier effective registration statement for the same offering.
f this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act egistration statement number of the earlier effective registration statement for the same offering. \Box
f this Form is a registration statement pursuant to General Instruction I.D. or a post-effective amendment thereto that shall become effective upon filing with the Commission pursuant to Rule 462(e) under the Securities Act, check the following box.
f this Form is a post-effective amendment to a registration statement filed pursuant to General Instruction I.D. filed to register additional securities or additional classes of securities pursuant to Rule 413(b) under the Securities Act, check the following box.
ndicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, or a smaller reporting company. See the lefinitions of "large accelerated filer," "accelerated filer" and "smaller reporting company" in Rule 12b-2 of the Exchange Act. (Check one):
Large accelerated filer ⊠ Accelerated filer □

CALCULATION OF REGISTRATION FEE

Smaller reporting company

Title of Each Class of Securities to be Registered	Amount to be Registered	Proposed Maximum Offering Price Per Unit	Proposed Maximum Aggregate Offering Price	Amount of Registration Fee
Primary Offering:				
Common Stock, no par value	(1)	(1)(2)	\$200,000,000(1)(2)(3)	\$20,140(4)
Secondary Offering:				
Common Stock, no par value	2,346,316	(6)	\$49,999,994	\$4,935(5)
Total (Primary and Secondary Offering)			\$249,999,994	\$25,075

- (1) The amount to be registered and the proposed maximum aggregate offering price per unit are not specified as to the securities to be registered pursuant to General Instruction II.D. of Form S-3 under the Securities Act of 1933, as amended (the "Securities Act"). The securities covered by this Registration Statement may be sold or otherwise distributed separately or together with any other securities covered by this Registration Statement.
- (2) An indeterminate number of shares of common stock as may from time to time be issued at indeterminate prices.
- (3) Estimated solely for purposes of calculating the registration fee under Rule 457 under the Securities Act.

☐ (do not check if a smaller reporting company)

- (4) Calculated pursuant to Rule 457(o) under the Securities Act
- (5) Estimated solely for purposes of calculating the registration fee pursuant to Rule 457(c) of the Securities Act, on the basis of the average of the high and low sales prices of the Registrant's common stock as reported on the NASDAQ Global Select Market on February 22, 2016.
- (6) With respect to the secondary offering, the proposed maximum offering price per share will be determined from time to time in connection with, and at the time of, the sale by the selling security holder.

The registrant hereby amends this Registration Statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this Registration Statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act of 1933 or until the Registration Statement shall become effective on such date as the Commission, acting pursuant to said Section 8(a), may determine.

EXPLANATORY NOTE

This Post-Effective Amendment No. 1 to the Registration Statement on Form S-3 (Commission File No. 333-206897) (the "Registration Statement") of HealthStream, Inc. (the "Registrant") is being filed for the purpose of amending the Registration Statement to reflect that the Registrant is no longer a well-known seasoned issuer (as such term is defined in Rule 405 of the Securities Act). Accordingly, the Registrant is filing this Post-Effective Amendment No.1 for the purpose of amending the Registration Statement to convert it from a Form S-3 ASR (automatic shelf registration statement) to a Form S-3 (non-automatic shelf registration statement).

The information in this prospectus is not complete and may be changed or supplemented. We may not sell any of the securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell the securities described herein and we are not soliciting offers to buy the securities described herein in any jurisdiction where the offer or sale is not permitted.

SUBJECT TO COMPLETION, DATED FEBRUARY 26, 2016

PROSPECTUS

HEALTHSTREAM, INC.

Common Stock

HealthStream, Inc. may offer and sell, from time to time, in one or more offerings shares of its common stock, no par value per share, which we refer to as common stock or securities. In addition, selling security holders to be named in a prospectus supplement may offer and sell these securities from time to time in such amounts and with such discounts and commissions as set forth in a prospectus supplement. Unless otherwise set forth in the applicable prospectus supplement, we will not receive any proceeds from the sale of securities by any selling security holders. The aggregate initial offering price of all securities sold by us under this prospectus will not exceed \$200,000,000 and the aggregate initial offering price of all securities sold by selling security holders under this prospectus will not exceed \$49,999,994.

This prospectus describes some of the general terms that may apply to these securities. We will provide the specific terms of these securities, including their offering prices, in supplements to this prospectus. The prospectus supplements may also add, update or change information contained in this prospectus. You should carefully read this prospectus, any accompanying prospectus supplement and any documents we incorporate by reference before you invest.

These securities may be offered and sold directly by us, or by any selling security holder to be identified in any accompanying prospectus supplement, to or through one or more underwriters, dealers and agents or directly to purchasers or through a combination of these methods, on a continuous or delayed basis. The applicable prospectus supplement will provide the names of any underwriters, dealers or agents, the specific terms of the plan of distribution, any overallotment option and any applicable underwriting discounts and commissions.

HealthStream, Inc. common stock is listed on the NASDAQ Global Select Market under the symbol "HSTM."

Investing in our securities involves risks. See "Risk Factors" beginning on page 3 of this prospectus. You should also consider the risk factors described in the accompanying prospectus supplement and the documents we incorporate by reference.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or passed upon the adequacy or accuracy of this prospectus. Any representation to the contrary is a criminal offense.

, 2016.

The date of this prospectus is

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ABOUT THIS PROSPECTUS

This prospectus is part of a registration statement that we filed with the Securities and Exchange Commission, or the SEC, utilizing the SEC's "shelf" registration rules. Under the shelf registration rules, we and/or one or more selling security holders may, from time to time, sell in one or more offerings, any of the securities described in this prospectus.

This prospectus provides you with a general description of the securities we, or a selling security holder, may sell. Each time we, or selling security holders, sell securities under this prospectus, we will provide a prospectus supplement that will contain specific information about the terms of that offering. The prospectus supplement may also add, update or change information contained in this prospectus. You should read this prospectus, the applicable prospectus supplement and the additional information described under the headings "Where You Can Find Additional Information" and "Incorporation of Certain Information by Reference" before making an investment decision. You should rely only on the information contained or incorporated by reference in this prospectus and any prospectus supplement. We have not authorized any other person to provide you with different information. If anyone provides you with different or inconsistent information, you should not rely on it. We are not making an offer to sell these securities in any jurisdiction where the offer or sale is not permitted.

You should not assume that the information in this prospectus, any accompanying prospectus supplement or any documents we incorporation by reference is accurate as of any date other than the date on the front of those documents. Our business, financial condition, results of operations and prospectus may have changed since that date.

In this prospectus "we," "us," "our" and the "Company" refer to HealthStream, Inc., a Tennessee corporation.

FORWARD-LOOKING STATEMENTS

This prospectus (including the documents incorporated by reference) contains, and any accompanying prospectus supplement may contain, "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, or the Securities Act, and Section 21E of the Securities Exchange Act of 1934, as amended, or the Exchange Act. All statements other than statements of historical fact are "forward-looking statements" for purposes of federal and state securities laws. Forward-looking statements include discussions regarding the Company's operating strategy, strategic plan, industry and economic conditions, financial condition, liquidity and capital resources, and results of operations. You can identify these statements by forward-looking words such as "expects," "anticipates," "intends," "believes," "may," "will," "should," "continue" and similar language or the negative of such terms or other comparable terminology, though not all forward-looking statements may contain these types of words. Although we believe that the plans, objectives, expectations and prospects reflected in or suggested by our forward-looking statements are reasonable, those statements involve uncertainties and risks, and we cannot assure you that our plans, objectives, expectations and prospects will be achieved. Our actual results could differ materially from the results anticipated by the forward-looking statements as a result of many known and unknown factors, including, but not limited to, those contained in "Risk Factors" and elsewhere in this prospectus and any accompanying prospectus supplement. All written or oral forward-looking statements attributable to us are expressly qualified in their entirety by these cautionary statements. The Company does not undertake any obligation to update or to release publicly any revisions to forward-looking statements contained in this prospectus or any accompanying prospectus supplement to reflect events or circumstances occurring after the date of this prospectus or any accomp

WHERE YOU CAN FIND ADDITIONAL INFORMATION

We have filed with the SEC a registration statement on Form S-3 under the Securities Act for the securities being offered under this prospectus. This prospectus, which is part of the registration statement, does not contain all of

the information set forth in the registration statement and accompanying exhibits. This prospectus contains descriptions of certain agreements or documents that are exhibits to the registration statement. The statements as to the contents of such exhibits, however, are brief descriptions and are not necessarily complete, and each statement is qualified in all respects by reference to such agreement or document. In addition, we file annual, quarterly and other reports, proxy statements and other information with the SEC. Our current SEC filings and the registration statement and accompanying exhibits may be inspected without charge at the public reference facilities of the SEC located at 100 F Street, N. E., Washington, D.C. 20549. You may obtain copies of this information at prescribed rates. The SEC also maintains a website that contains reports, proxy statements, registration statements and other information, including our filings with the SEC. The SEC website address is www.sec.gov. You may call the SEC at 1-800-SEC-0330 to obtain further information on the operations of the public reference room. We make available free of charge through our web site our Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, Proxy Statement on Schedule 14A and all amendments to those reports as soon as reasonably practicable after such material is electronically filed with or furnished to the SEC. Our website address is www.healthstream.com. Please note that our website address is provided as an inactive textual reference only. Information contained on or accessible through our website is not part of this prospectus or any accompanying prospectus supplement, and is therefore not incorporated by reference unless such information is otherwise specifically referenced elsewhere in this prospectus or any accompanying prospectus supplement.

INCORPORATION OF CERTAIN INFORMATION BY REFERENCE

The SEC allows us to "incorporate by reference" into this prospectus information contained in documents that we file with it. This means that we can disclose important information to you by referring you to those documents. The information incorporated by reference into this prospectus is an important part of this prospectus, and information we file later with the SEC will automatically update and supersede this information. We incorporate by reference the documents listed below and any future filings we will make with the SEC under Section 13(a), 13(c), 14 or 15(d) of the Exchange Act prior to the date that the offering of the securities by means of this prospectus is terminated (other than, in each case, documents or information deemed to have been furnished and not filed in accordance with SEC rules, including Current Reports on Form 8-K furnished under Item 2.02 or Item 7.01 (including any financial statements or exhibits relating thereto furnished pursuant to Item 9.01)):

- our Annual Report on Form 10-K for the fiscal year ended December 31, 2015 filed on February 26, 2016;
- our Current Report on Form 8-K filed on February 16, 2016; and
- The description of our common stock, no par value per share, contained in our Registration Statement on Form 8-A filed with the SEC on October 18, 1999, including all amendments and reports filed for purposes of updating such description.

You may request a copy of these filings at no cost, by writing or telephoning us as follows:

HealthStream, Inc., 209 10th Avenue South, Suite 450 Nashville, TN 37203 Attn: Investor Relations Department (615) 301-3100

You may also obtain a copy of these filings from the investor relations section of our Internet web site at http://www. healthstream.com. Please note, however, that the information on our Internet web site, other than the documents listed or described above, is not intended to be incorporated by reference into this prospectus and should not be considered a part of this prospectus.

OUR COMPANY

We provide workforce, patient experience and provider solutions for healthcare organizations—all designed to assess and develop the people that deliver patient care. Through these methods, our solutions support the improvement of business and clinical outcomes. Our subscription-based workforce products are used by healthcare organizations to meet a broad range of their training, certification, competency, assessment, performance appraisal and development needs. Our patient experience products provide our customers with information about patients' experiences and how to improve them, workforce engagement, physician relations, and community perceptions of their services. Our subscription-based provider products are used by healthcare organizations for provider credentialing, privileging, call center and enrollment needs. Our customers include healthcare organizations, pharmaceutical and medical device companies, as well as other participants in the healthcare industry.

Headquartered in Nashville, Tennessee, we were incorporated in 1990 and began providing our SaaS-based solutions in 1999 and our survey and research solutions in 2005. HealthStream has evolved from technology-based training to a company providing workforce, patient experience and provider solutions to the nation's healthcare providers.

Our principal executive offices are located at 209 10th Avenue South, Suite 450, Nashville, Tennessee, 37203, and our telephone number at these offices is (615) 301-3100. Our internet address is www.healthstream.com. Please note that our website is provided as an inactive textual reference and the information on our website is not incorporated by reference in this prospectus.

RISK FACTORS

An investment in our securities involves significant risks. You should read and carefully consider the risks and uncertainties and the risk factors set forth in our most recent Annual Report on Form 10-K, our other Exchange Act filings and the other information contained in this prospectus, as updated, amended or superseded by our subsequent filings under the Exchange Act, and the risk factors and other information contained in any accompanying prospectus supplement before acquiring any of such securities. The occurrence of any of these risks could materially and adversely affect our business, prospects, financial condition, results of operations and cash flow and might cause you to lose all or part of your investment in the offered securities. Much of the business information, as well as the financial and operational data contained in our risk factors, are updated by our periodic reports filed with the SEC pursuant to the Exchange Act, which are also incorporated by reference into this prospectus. The risks that we discuss in the documents incorporated by reference in this prospectus are those we currently believe may materially affect our Company. Additional risks not presently known to us or that we currently believe are immaterial also may materially and adversely affect our business, financial condition, results of operations and cash flows. Please also refer to the section entitled "Forward-Looking Statements" herein.

USE OF PROCEEDS

Unless otherwise provided in the applicable prospectus supplement to this prospectus used to offer our common shares, we expect to use the net proceeds from any offering of securities by us for general corporate purposes, which may include potential acquisitions, capital expenditures and investments. Pending the application of the net proceeds, except to the extent otherwise provided in the accompanying prospectus supplement, we expect to invest the proceeds in short-term, interest-bearing instruments or other investment-grade securities. Additional information on the use of net proceeds from the sale of securities that we may offer from time to time by this prospectus may be set forth in the applicable prospectus supplement relating to a particular offering. We will not receive any of the proceeds from sales of securities by selling security holders.

DESCRIPTION OF COMMON STOCK

The following is a description of our common stock and certain provisions of our Fourth Amended and Restated Charter and Second Amended and Restated Bylaws and certain provisions of applicable law. The following is only a summary and is qualified by applicable law and by the provisions of our Fourth Amended and Restated Charter and Second Amended and Restated Bylaws, copies of which have been filed with the SEC and are also available upon request from us. You should read the prospectus supplement, which will contain additional information and which may update or change some of the information below.

Overview

The authorized capital stock of HealthStream consists of 75 million shares of common stock, no par value. As of February 23, 2016, 31,651,860 shares of HealthStream common stock were outstanding. The Company is authorized to issue up to 10 million shares of preferred stock, no par value, in one or more series, having the relative voting powers, designations, preferences, rights and qualifications, limitations or restrictions, and other terms as the Board of Directors may fix in providing for the issuance of such series, without any vote or action of the shareholders.

The outstanding shares of HealthStream common stock are fully paid and nonassessable. Holders of HealthStream common stock are entitled to one vote for each share held of record on all matters submitted to a vote of the shareholders. Holders of HealthStream common stock do not have pre-emptive rights and are not entitled to cumulative voting rights with respect to the election of directors. HealthStream common stock is neither redeemable nor convertible into other securities, and there are no sinking fund provisions with respect to the common stock. Holders of HealthStream common stock are entitled to, in the event of liquidation, share ratably in all assets remaining after payment of liabilities.

Election of Directors

The Company's Fourth Amended and Restated Charter and Second Amended and Restated Bylaws provide that the Company's Board of Directors is to be divided into three classes as nearly equal in number as possible. Directors are elected by classes to three-year terms, so that approximately one-third of the directors of HealthStream are elected at each annual meeting of the shareholders. In addition, HealthStream's Second Amended and Restated Bylaws provide that the power to increase or decrease the number of directors and to fill vacancies is vested in the HealthStream Board of Directors. The overall effect of these provisions may be to prevent a person or entity from seeking to acquire control of HealthStream through an increase in the number of directors on the HealthStream Board of Directors and the election of designated nominees to fill newly created vacancies.

Dividends

Holders of HealthStream's common stock are entitled to receive dividends when, as and if declared by HealthStream's Board of Directors out of funds legally available for dividends. HealthStream has never declared or paid any dividends on its common stock.

Supermajority Vote

HealthStream's Fourth Amended and Restated Charter provides that the affirmative vote of at least two-thirds of the voting power of the outstanding shares of our capital stock outstanding and entitled to vote at an election of directors is required to amend or repeal, or to adopt any provision inconsistent with, certain provisions of the Company's Fourth Amended and Restated Charter.

Anti-Takeover Statutes

Tennessee Business Combination Act

The Tennessee Business Combination Act provides that an interested shareholder (defined as a person owning, either directly or indirectly, 10% or more of the voting securities in a Tennessee corporation) cannot engage in a business combination with that corporation unless the transaction takes place at least five years after the interested shareholder first becomes an interested shareholder, and unless either the transaction (a) is approved by at least two-thirds of the shares of the corporation not beneficially owned by an interested shareholder and the affiliates and associates of such interested shareholder or (b) satisfies certain fairness conditions specified in the Tennessee Business Combination Act relating to the price to be paid to the non-interested shareholders in such transaction.

These provisions apply to Tennessee corporations unless one of two events occurs. A business combination with an entity can proceed without the five-year moratorium if the business combination or transaction resulting in the shareholder becoming an interested shareholder is approved by the target corporation's board of directors before that entity becomes an interested shareholder. Alternatively, the corporation may enact an amendment to its charter or bylaws to remove itself entirely from the Tennessee Business Combination Act. This amendment must be approved by a majority of the shareholders who have held shares for more than one year prior to the vote and may not take effect for at least two years after the vote.

Our Fourth Amended and Restated Charter has not adopted such a provision, and, therefore, we are subject to the Tennessee Business Combination Act.

Tennessee Control Share Acquisition Act

The Tennessee Control Share Acquisition Act takes away the voting rights of a purchaser's shares any time an acquisition of shares in a Tennessee corporation brings the purchaser's voting power to 20%, 33-1/3%, or more than 50% of all voting power in such corporation. The purchaser's voting rights can be maintained or re-established only by a majority vote of all the shares entitled to vote generally with respect to the election of directors other than those shares owned by the acquirer and the officers and inside directors of the corporation.

The Tennessee Control Share Acquisition Act applies only to a corporation that has adopted a provision in its charter or bylaws declaring that the Tennessee Control Share Acquisition Act will apply.

Our Fourth Amended and Restated Charter has not adopted such a provision, and, therefore, we are not subject to the Tennessee Control Share Acquisition Act.

Tennessee Greenmail Act

The Tennessee Greenmail Act prohibits a Tennessee corporation whose stock is registered or traded on a national securities exchange or registered with the SEC, from purchasing, directly or indirectly, any of its shares at a price above the market value of the shares from any person who holds more than 3% of the class of securities to be purchased if such person has held the shares for less than two years, unless the purchase has been approved by the affirmative vote of a majority of the outstanding shares of each class of voting stock issued by the corporation or the corporation makes an offer, of at least equal value per share, to all holders of shares of the class. Under the Tennessee Greenmail Act, the market value of the shares is defined as the average of the highest and lowest closing market price for the shares during the 30 trading days preceding the purchase and sale or preceding the commencement or announcement of a tender offer if the seller of the shares has commenced a tender offer or announced an intention to seek control of the corporation.

Our common stock is traded on the Nasdaq Global Select Market and, therefore, is subject to the Tennessee Greenmail Act.

Indemnification

The Company's Fourth Amended and Restated Charter provides that, to the fullest extent permitted by the Tennessee Business Corporation Act, or TBCA, a director will not be liable to the Company or its shareholders for monetary damages for breach of his or her fiduciary duty as a director. Under the TBCA, directors have a fiduciary duty which is not eliminated by this provision in the Company's Fourth Amended and Restated Charter. In some circumstances, equitable remedies such as injunctive or other forms of nonmonetary relief will remain available. In addition, each director will continue to be subject to liability under the TBCA:

- for any breach of the director's duty of loyalty to the Company or its shareholders; or
- for acts or omissions which are found by a court of competent jurisdiction to be not in good faith or which involved intentional misconduct or knowing violations of law;
- in connection with any proceeding charging improper personal benefit to the director, whether or not involving action in the director's official capacity, in which the director was adjudged liable on the basis that personal benefit was improperly received by the director; and
- for payment of distributions that are prohibited by the TBCA.

The TBCA provides that a corporation may indemnify any director or officer against liability incurred in connection with a proceeding if the director or officer acted in good faith or reasonably believed, in the case of conduct in his or her official capacity with the corporation, that the conduct was in the corporation's best interests. In all other civil cases, a corporation must indemnify a director or officer who reasonably believed that his or her conduct was not opposed to the best interests of the corporation. In connection with any criminal proceedings, a corporation may indemnify any director or officer who had no reasonable cause to believe that his or her conduct was unlawful.

In actions brought by or in the right of the corporation, however, the TBCA does not allow indemnification if the director or officer is adjudged to be liable to the corporation. Similarly, the TBCA prohibits indemnification of a director or officer if the director or officer is adjudged liable in a proceeding because a personal benefit was improperly received.

Under the Company's Fourth Amended and Restated Charter, in cases when the director or officer is wholly successful, on the merits or otherwise, in the defense of any proceeding brought because of his or her status as a director or officer of a corporation, the corporation must indemnify the director or officer against all expense, liability, and loss incurred in the proceeding. Also, the TBCA provides that a court may order a corporation to indemnify a director or officer for reasonable expenses if the court determines that the individual is entitled to mandatory indemnification, or, in consideration of all relevant circumstances, the court determines that the individual is fairly and reasonably entitled to indemnification, whether or not the individual acted in good faith or reasonably believed his or her conduct was in the corporation's best interest.

The Company's Second Amended and Restated Bylaws provide that the Company shall indemnify and advance expenses to its directors and officers to the fullest extent permitted by the TBCA. The Company also maintains insurance to protect any director or officer against any liability and has entered into indemnification agreements with its directors to create a contractual obligation to indemnify its directors. These agreements, among other things, indemnify the Company's directors for some expenses, judgments and fines and amounts paid in settlement, actually and reasonably incurred by any of these persons in any threatened, pending or completed action, suit proceeding or arbitration or any inquiry, hearing or investigation arising out of the person's services as the Company's director.

Transfer Agent

ComputerShare Trust Company, N.A., serves as the registrar and transfer agent for our common stock.

SELLING SECURITY HOLDERS

The securities covered by this prospectus include securities that may be offered or sold by certain holders other than us. In such a case, we will provide you with a prospectus supplement naming the selling security holders, the amount of securities of the class owned by such holder before and after the offering, the amount of securities to be registered and sold and any other terms of the securities being sold by each selling security holder. The securities that may be offered or sold by certain selling security holders were obtained (i) in private placements of our common stock which were completed prior to our initial public offering of our common stock in April 2000, (ii) through grants of equity based awards issued prior to filing of this prospectus pursuant to our compensatory plans and (iii) in connection with open market purchases prior to the filing of this prospectus. A selling security holder may resell all, a portion or none of such holder's securities at any time and from time to time in an offering covered by this prospectus and the accompanying prospectus supplement. Selling security holders may also sell, transfer or otherwise dispose of some or all of their securities in transactions exempt from the registration requirements of the Securities Act. We may pay all expenses incurred with respect to the registration of the securities owned by the selling security holders, other than underwriting fees, discounts or commissions, which will be borne by the selling security holders.

PLAN OF DISTRIBUTION

General

We and/or one or more selling security holders may offer and sell securities in one or more transactions from time to time to or through underwriters, who may act as principals or agents, directly to other purchasers or through agents to other purchasers or through any combination of these methods.

A prospectus supplement relating to a particular offering of securities will include the following information, as applicable:

- the terms of the offering;
- · the names of any underwriters or agents;
- the names of any selling security holders;
- the purchase price of the securities;
- the net proceeds to us from the sale of the securities;
- · any delayed delivery arrangements;
- any underwriting discounts and other items constituting underwriters' compensation;
- · any initial public offering price; and
- · any discounts or concessions allowed or reallowed or paid to dealers; and

The distribution of the securities may be effected from time to time in one or more transactions at a fixed price or prices, which may be changed, at market prices prevailing at the time of sale, at prices related to prevailing market prices or at negotiated prices.

Underwriting Compensation

We and/or one or more selling security holders may offer these securities to the public through underwriting syndicates represented by managing underwriters or through underwriters without an underwriting syndicate. If underwriters are used for the sale of securities, the securities will be acquired by the underwriters for their own account. The underwriters may resell the securities in one or more transactions, including in negotiated transactions at a fixed public offering price or at varying prices determined at the time of sale. In connection with any such underwritten sale of securities, underwriters may receive compensation from us, selling security holders or from purchasers for whom they may act as agents, in the form of discounts, concessions or commissions. Underwriters

may sell securities to or through dealers, and the dealers may receive compensation in the form of discounts, concessions or commissions from the underwriters and/or commissions from the purchasers for whom they may act as agents.

If we and/or a selling security holder uses an underwriter or underwriters in the sale of particular securities, we and/or any selling security holder will execute an underwriting agreement with those underwriters at the time of sale of those securities. The names of the underwriters will be set forth in the prospectus supplement used by the underwriters to sell those securities. Unless otherwise indicated in the prospectus supplement relating to a particular offering of securities, the obligations of the underwriters to purchase the securities will be subject to customary conditions precedent and the underwriters will be obligated to purchase all of the securities offered if any of the securities are purchased.

Underwriters, dealers and agents that participate in the distribution of securities may be deemed to be underwriters under the Securities Act. Any discounts or commissions received by them and any profit realized by them on the resale of securities may be deemed to be underwriting discounts and commissions under the Securities Act.

Indemnification

We and any selling security holder may enter agreements under which underwriters, dealers and agents who participate in the distribution of securities may be entitled to indemnification by us and any selling security holder against various liabilities, including liabilities under the Securities Act, and to contribution with respect to payments which the underwriters, dealers or agents may be required to make.

Related Transactions

Underwriters, dealers and agents who participate in the distribution of securities, and their affiliates, may perform various commercial banking and investment banking services for us and selling security holders from time to time in the ordinary course of business.

Delayed Delivery Contracts

We and any selling security holder may authorize underwriters or other persons acting as our and any selling security holder's agent to solicit offers by institutions to purchase securities from us and any selling security holder pursuant to contracts providing for payment and delivery on a future date. These institutions may include commercial and savings banks, insurance companies, pension funds, investment companies, educational and charitable institutions and others, but in all cases we and any selling security holder must approve these institutions. The obligations of any purchaser under any of these contracts will be subject to the condition that the purchase of the securities will not at the time of delivery be prohibited under the laws of the jurisdiction to which such purchaser is subject. The underwriters and other agents will not have any responsibility in respect of the validity or performance of these contracts.

Price Stabilization and Short Positions

If underwriters or dealers are used in the sale, until the distribution of the securities is completed, rules of the SEC may limit the ability of any underwriters to bid for and purchase the securities. As an exception to these rules, representatives of any underwriters are permitted to engage in transactions that stabilize the price of the securities. These transactions may consist of bids or purchases for the purpose of pegging, fixing or maintaining the price of the securities. If the underwriters create a short position in the securities in connection with the offering (that is, if they sell more securities than are set forth on the cover page of the prospectus supplement) the representatives of the underwriters may reduce that short position by purchasing securities in the open market.

We make no representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of the securities. In addition, we make no representation that the representatives of any underwriters will engage in these transactions or that these transactions, once commenced, will not be discontinued without notice.

LEGAL MATTERS

Unless otherwise indicated in the applicable prospectus supplement, the validity of the securities offered hereby will be passed upon for us by Bass, Berry & Sims PLC, Nashville, Tennessee. If the validity of the securities offered hereby in connection with offerings made pursuant to this prospectus are passed upon by counsel for the underwriters, dealers or agents, if any, such counsel will be named in the prospectus supplement relating to such offering.

EXPERTS

The consolidated financial statements of HealthStream Inc. appearing in HealthStream Inc.'s Annual Report (Form 10-K) for the year ended December 31, 2015, and the effectiveness of HealthStream Inc.'s internal control over financial reporting as of December 31, 2015, have been audited by Ernst & Young LLP, independent registered public accounting firm, as set forth in their reports thereon included therein, and incorporated herein by reference. Such financial statements are, and audited financial statements to be included in subsequently filed documents will be, incorporated herein in reliance upon the reports of Ernst & Young LLP pertaining to such financial statements and the effectiveness of our internal control over financial reporting as of the respective dates (to the extent covered by consents filed with the Securities and Exchange Commission) given on the authority of such firm as experts in accounting and auditing.

PART II INFORMATION NOT REQUIRED IN PROSPECTUS

Item 14. Other Expenses of Issuance and Distribution

The following table sets forth the various expenses to be incurred in connection with the sale and distribution of the securities being registered hereby, all of which will be borne by HealthStream (except any underwriting discounts and commissions and expenses incurred by the selling security holders for brokerage, accounting, tax or legal services or any other expenses incurred by the selling security holders in disposing of the shares). All amounts shown are estimates except the SEC registration fee:

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SEC registration fee \$25,0)75
Printing expenses \$	(1)
Accounting fees and expenses \$	(1)
Legal fees and expenses \$	(1)
Miscellaneous expenses \$	(1)
Total \$	(1)

(1) As the amount of securities to be issued, offered and sold by the Company pursuant to this registration statement is indeterminate, the actual amount of such fees and expenses cannot be estimated at this time. An estimate of the aggregate amount of these expenses will be reflected in the applicable prospectus supplement.

Item 15. Indemnification of Directors and Officers

The Company's Fourth Amended and Restated Charter provides that, to the fullest extent permitted by the TBCA, a director will not be liable to the Company or its shareholders for monetary damages for breach of his or her fiduciary duty as a director. Under the TBCA, directors have a fiduciary duty which is not eliminated by this provision in the Company's Fourth Amended and Restated Charter. In some circumstances, equitable remedies such as injunctive or other forms of nonmonetary relief will remain available. In addition, each director will continue to be subject to liability under the TBCA:

- for any breach of the director's duty of loyalty to the Company or its shareholders;
- for acts or omissions which are found by a court of competent jurisdiction to be not in good faith or which involved intentional misconduct or knowing violations of law;
- in connection with any proceeding charging improper personal benefit to the director, whether or not involving action in the director's official capacity, in which the director was adjudged liable on the basis that personal benefit was improperly received by the director; and
- for payment of distributions that are prohibited by the TBCA.

The TBCA provides that a corporation may indemnify any director or officer against liability incurred in connection with a proceeding if the director or officer acted in good faith or reasonably believed, in the case of conduct in his or her official capacity with the corporation, that the conduct was in the corporation's best interests. In all other civil cases, a corporation must indemnify a director or officer who reasonably believed that his or her conduct was not opposed to the best interests of the corporation. In connection with any criminal proceedings, a corporation may indemnify any director or officer who had no reasonable cause to believe that his or her conduct was unlawful.

In actions brought by or in the right of the corporation, however, the TBCA does not allow indemnification if the director or officer is adjudged to be liable to the corporation. Similarly, the TBCA prohibits indemnification of a director or officer if the director or officer is adjudged liable in a proceeding because a personal benefit was improperly received.

Under the Company's Fourth Amended and Restated Charter, in cases when the director or officer is wholly successful, on the merits or otherwise, in the defense of any proceeding brought because of his or her status as a director or officer of a corporation, the corporation must indemnify the director or officer against all expense, liability, and loss incurred in the proceeding. Also, the TBCA provides that a court may order a corporation to indemnify a director or officer for reasonable expenses if the court determines that the individual is entitled to mandatory indemnification, or, in consideration of all relevant circumstances, the court determines that the individual is fairly and reasonably entitled to indemnification, whether or not the individual acted in good faith or reasonably believed his or her conduct was in the corporation's best interest.

The Company's Second Amended and Restated Bylaws provide that the Company shall indemnify and advance expenses to its directors and officers to the fullest extent permitted by the TBCA. The Company also maintains insurance to protect any director or officer against any liability and has entered into indemnification agreements with its directors to create a contractual obligation to indemnify its directors. These agreements, among other things, indemnify the Company's directors for some expenses, judgments and fines and amounts paid in settlement, actually and reasonably incurred by any of these persons in any threatened, pending or completed action, suit proceeding or arbitration or any inquiry, hearing or investigation arising out of the person's services as the Company's director.

Item 16. Exhibits

Exhibit

No.	Description				
1.1*	Form of Underwriting Agreement				
2.1	Membership Interest Purchase Agreement, dated as of February 12, 2015, between HealthStream, Inc., Littrell Holdings, Inc., HealthLine Systems, Inc., the Shareholders of HealthLine Systems, Inc., and Dan Littrell in his individual capacity and as the Shareholders Representative (1)				
3.1	Fourth Amended and Restated Charter of HealthStream, Inc. (2)				
3.2	Second Amended and Restated Bylaws of HealthStream, Inc. (3)				
4.1	Specimen of Common Stock Certificate (2)				
5.1	Opinion of Bass, Berry & Sims PLC**				
23.1	Consent of Ernst & Young LLP**				
23.2	Consent of Bass, Berry & Sims PLC (included in Exhibit 5.1 filed herewith)				
24.1	Powers of Attorney (4)				

- (1) Incorporated by reference from exhibit filed on our Current Report on Form 8-K, dated February 13, 2015.
- (2) Incorporated by reference to Registrant's Registration Statement on Form S-1, as amended (Reg. No. 333-88939).
- (3) Incorporated by reference from exhibit filed on our Current Report on Form 8-K, dated October 23, 2015.
- (4) Previously filed.
- * To be filed as an exhibit to a Current Report on Form 8-K or other document incorporated by reference herein or to a post-effective amendment hereto, if applicable.
- ** Filed herewith.

Item 17. Undertakings

The undersigned registrant hereby undertakes:

- (a)(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:
- (i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

- (ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Securities and Exchange Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement;
- (iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement;

provided, however, that

- (1) Paragraphs (a)(1)(i), (a)(1)(ii) and (a)(1)(iii) of this section do not apply if the registration statement is on Form S-3 or Form F-3 and the information required to be included in a post-effective amendment by those paragraphs is contained in reports filed with or furnished to the Commission by the registrant pursuant to section 13 or section 15(d) of the Securities Exchange Act of 1934 that are incorporated by reference in the registration statement, or is contained in a form of prospectus filed pursuant to Rule 424(b) that is part of the registration statement.
- (2) That, for the purpose of determining any liability under the Securities Act of 1933, each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.
- (4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser:
- (i) Each prospectus filed by the registrant pursuant to Rule 424(b)(3) shall be deemed to be part of the registration statement as of the date the filed prospectus was deemed part of and included in the registration statement; and
- (ii) Each prospectus required to be filed pursuant to Rule 424(b)(2), (b)(5) or (b)(7) as part of a registration statement in reliance on Rule 430B relating to an offering made pursuant to Rule 415(a)(1)(i), (vii) or (x) for the purpose of providing the information required by Section 10(a) of the Securities Act of 1933 shall be deemed to be part of and included in the registration statement as of the earlier of the date such form of prospectus is first used after effectiveness or the date of the first contract of sale of securities in the offering described in the prospectus. As provided in Rule 430B, for liability purposes of the issuer and any person that is at that date an underwriter, such date shall be deemed to be a new effective date of the registration statement relating to the securities in the registration statement to which that prospectus relates, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof. *Provided*, *however*, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such effective date, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such effective date.
- (5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities, the undersigned registrant undertakes that in a primary

offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

- (i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;
- (ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;
- (iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and
- (iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.
- (b) That, for purposes of determining any liability under the Securities Act of 1933, each filing of the registrant's annual report pursuant to Section 13(a) or 15(d) of the Securities Exchange Act of 1934 (and, where applicable, each filing of an employee benefit plan's annual report pursuant to Section 15(d) of the Securities Exchange Act of 1934) that is incorporated by reference in the registration statement shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial *bona fide* offering thereof.
- (c) Insofar as indemnification for liabilities arising under the Securities Act of 1933 may be permitted to directors, officers and controlling persons of the registrant pursuant to the foregoing provisions, or otherwise, the registrant has been advised that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the registrant of expenses incurred or paid by a director, officer or controlling person of the registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Act and will be governed by the final adjudication of such issue.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-3 and has duly caused this registration statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Nashville, State of Tennessee, on February 26, 2016.

HEALTHSTREAM, INC. (Registrant)

By: /s/ Robert A. Frist, Jr.
Robert A. Frist, Jr.
Chief Executive Officer

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, this registration statement has been signed by the following persons in the capacities and on the dates indicated.

/s/ Robert A. Frist, Jr. Robert A. Frist, Jr.	Title Chairman of the Board and Chief Executive Officer (Principal Executive Officer)	Date February 26, 2016
/s/ Gerard M. Hayden, Jr. Gerard M. Hayden, Jr.	President of Financial Services, Chief Financial Officer and Director (Principal Financial and Accounting Officer)	February 26, 2016
/s/ * Thompson Dent	Director	February 26, 2016
/s/ * Frank Gordon	Director	February 26, 2016
/s/ * C. Martin Harris	Director	February 26, 2016
/s/ * Jeffrey L. McLaren	Director	February 26, 2016
/s/ * Dale Polley	Director	February 26, 2016
/s/ * Linda Rebrovick	Director	February 26, 2016
/s/ * Michael Shmerling	Director	February 26, 2016
/s/ * William Stead	Director	February 26, 2016
/s/ * Deborah Taylor Tate	Director	February 26, 2016
* By: /s/ Gerard M. Hayden, Jr. Attorney-in-Fact		

EXHIBIT INDEX

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5.1	Opinion of Bass, Berry & Sims PLC**			
23.1	Consent of Ernst & Young LLP**			
23.2	Consent of Bass, Berry & Sims PLC (included in Exhibit 5.1 filed herewith)			
24.1	Powers of Attorney (4)			
(1)	Incorporated by reference from exhibit filed on our Current Report on Form 8-K, dated February 13, 2015			

- Incorporated by reference from exhibit filed on our Current Report on Form 8-K, dated February 13, 2015. Incorporated by reference to Registrant's Registration Statement on Form S-1, as amended (Reg. No. 333-88939). (1) (2) (3) (4) *
- Incorporated by reference from exhibit filed on our Current Report on Form 8-K, dated October 23, 2015.
- Previously filed.
- To be filed as an exhibit to a Current Report on Form 8-K or other document incorporated by reference herein or to a post-effective amendment hereto, if applicable.
- Filed herewith.

BASS BERRY + SIMS.

150 Third Avenue South, Suite 2800 Nashville, TN 37201 (615) 742-6200

February 26, 2016

HealthStream, Inc. 209 10th Avenue South, Suite 450 Nashville, Tennessee 37203

Re: Post-Effective Amendment to Shelf Registration Statement of HealthStream, Inc. on Form S-3

Ladies and Gentlemen:

We have acted as counsel to HealthStream, Inc., a Tennessee corporation (the "Company"), in connection with its filing of the post-effective amendment No. 1 (the "Amendment") to the Company's shelf registration statement on Form S-3 (as amended by the Amendment, the "Registration Statement"), including the prospectus constituting a part thereof (the "Prospectus"), filed on September 11, 2015, with the Securities and Exchange Commission (the "Commission) under the Securities Act of 1933, as amended (the "Securities Act"). We have been requested by the Company to render this opinion in connection with the filing of the Amendment.

The Prospectus provides that it will be supplemented in the future by one or more supplements to the Prospectus (each a "Prospectus Supplement"). The Prospectus, as supplemented by various Prospectus Supplements, will provide for the registration by the Company of \$200,000,000 aggregate offering price of shares of common stock, no par value per share (the "Common Stock") by the Company and 2,346,316 shares of Common Stock to be sold by certain selling security holders of the Company (the "Selling Securityholders") to be named in a Prospectus Supplement.

In rendering our opinion, we have reviewed the Amendment and the exhibits thereto. We have also reviewed such corporate documents and records of the Company, such certificates of public officials and such other matters as we have deemed necessary or appropriate for purposes of this opinion. We also have been furnished with, and with your consent have relied upon, a certificate of an officer of the Company with respect to certain factual matters.

We have assumed the authenticity of all documents submitted to us as originals, the genuineness of all signatures, the conformity to authentic original documents of all documents submitted to us as certified, facsimile, conformed, digitally scanned or photostatic copies and the legal capacities of all natural persons.

Based on the foregoing, and subject to the assumptions, limitations and qualifications set forth herein, we are of the opinion that: (a) upon adoption by the Board of Directors of the Company of a resolution in form and content as required by applicable law authorizing the issuance and sale of the shares of Common Stock, and (b) assuming that the Amendment and any

HealthStream, Inc. Page 2 February 26, 2016

other required post-effective amendment(s) to the Registration Statement and any and all Prospectus Supplement(s) required by applicable laws have become, and at such time remain, effective under the Securities Act and (c) assuming that upon the issuance of such shares of Common Stock, the total number of issued and outstanding shares of Common Stock will not exceed the total number of shares of Common Stock that the Company is then authorized to issue under the Company's Fourth Amended and Restated Charter, as amended, then upon issuance and delivery of and payment for such shares in the manner contemplated by the Amendment, the Prospectus and the related Prospectus Supplement(s) and by such resolution, such shares of Common Stock being issued by the Company, will be validly issued, fully paid and nonassessable.

Based on the foregoing, and subject to the assumptions, limitations and qualifications set forth herein, we are of the opinion that assuming that the Amendment and any other required post-effective amendment(s) to the Registration Statement and any and all Prospectus Supplement(s) required by applicable laws have become, and at such time remain, effective under the Securities Act, such shares of Common Stock to be sold by Selling Securityholders have been duly authorized and are validly issued, fully paid and nonassessable.

The opinions expressed herein are limited in all respects to the laws of the State of Tennessee, and no opinion is expressed with respect to (i) any federal laws of the United States of America or any other jurisdiction, or any effect which such laws may have on the opinions expressed herein, (ii) the bylaws, rules or regulations of the Financial Industry Regulatory Authority, Inc. or (iii) the securities or "blue sky" laws of any jurisdiction. We are not rendering any opinion, and we are not providing any assurance, as to compliance with any antifraud law, rule or regulation relating to securities, or to the sale or issuance thereof.

Our opinion is rendered as of the date hereof, and we assume no obligation to advise you of changes in law or fact (or the effect thereof on the opinions expressed herein) that hereafter may come to our attention.

We hereby consent to the filing of this opinion with the Commission as an exhibit to the Amendment in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act and to the use of our name therein and in the related Prospectus under the caption "Legal Matters." In giving this consent, we do not admit that we are in the category of persons whose consent is required by Section 7 of the Securities Act, or the rules and regulations promulgated thereunder by the Commission.

Very truly yours,

/s/ Bass, Berry & Sims PLC

Consent of Independent Registered Public Accounting Firm

We consent to the reference to our firm under the caption "Experts" and to the incorporation by reference of our reports dated February 26, 2016 in Amendment No. 1 to the Registration Statement (Form S-3 No. 333-206897) and related Prospectus of HealthStream, Inc. for the registration of shares of its common stock.

/s/ Ernst & Young LLP

Nashville, Tennessee February 26, 2016