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Nashville, Tennessee 37203

Telephone 615-301-3100  
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<http://www.healthstream.com>



September 2, 2010

**Via EDGAR and Facsimile**

Stephani Bouvet, Division of Corporation Finance  
Maryse Mills-Apenteng, Special Counsel  
United States Securities and Exchange Commission  
100 F Street, N.E.  
Washington, DC 20549-6010  
Facsimile: (202) 772-9210

**Re: HealthStream, Inc.**  
**Form 10-K for Fiscal Year Ended December 31, 2009**  
**Filed March 26, 2010**  
**File No. 000-27701**

Dear Ms. Bouvet and Ms. Mills-Apenteng:

I am in receipt of the letter (the "Comment Letter") of the staff of the Division of Corporation Finance of the Securities and Exchange Commission dated August 26, 2010 regarding Healthstream, Inc.'s (the "Company") Form 10-K for the fiscal year ended December 31, 2009. I am writing to confirm that the Company expects to file its response to the Comment Letter not later than September 24, 2010. Should you have any questions regarding this matter please do not hesitate to contact me at (615) 301-3163.

Sincerely,

/s/ Gerard M. Hayden, Jr.

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Gerard M. Hayden, Jr.  
Senior Vice President and Chief  
Financial Officer

cc: J. Page Davidson, Bass, Berry & Sims PLC  
Laura Brothers, Bass, Berry & Sims PLC