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BlackRock Health Sciences Trust  
Form NSAR-A  
June 26, 2009

PAGE 1  
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000 E000000 NF  
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001 B000000 811-21702  
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013 A000001 DELOITTE & TOUCHE LLP  
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014 A000001 BLACKROCK INVESTMENTS, INC.  
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014 A000003 PNC CAPITAL MARKETS, INC.  
014 B000003 8-032493  
014 A000004 PFPC DISTRIBUTORS, INC.  
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014 A000007 BLACKROCK DISTRIBUTORS, INC.  
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014 A000008 PNC INVESTMENTS LLC  
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014 A000009 NatCity Investments, Inc.  
014 B000009 8-35288  
014 A000010 Harris Williams LLC

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014 B000010 8-53380  
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014 A000012 Red Capital Markets, Inc.  
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SIGNATURE	DONALD C. BURKE	
TITLE	PRESIDENT	