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BlackRock Health Sciences Trust  
Form NSAR-A  
June 28, 2010

PAGE 1  
000 A000000 04/30/2010  
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012 A000001 BNY MELLON SHAREOWNER SERVICES  
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013 A000001 DELOITTE & TOUCHE LLP  
013 B010001 NEW YORK  
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014 A000001 BLACKROCK INVESTMENTS, INC.  
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014 B000002 8-032493  
014 A000003 PFPC DISTRIBUTORS, INC.  
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014 B000004 8-046960  
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014 A000006 Fairholme Distributors, Inc.  
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014 A000007 PNC INVESTMENTS LLC  
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014 A000008 Highmark Funds Distributors, Inc.  
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014 A000009 Harris Williams LLC  
014 B000009 8-53380  
014 A000010 BLACKROCK CAPITAL MARKETS, LLC

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014 B000010 8-67827  
014 A000011 Red Capital Markets, Inc.  
014 B000011 8-31175  
014 A000012 BLACKROCK EXECUTION SERVICES  
014 B000012 8-48719  
014 A000013 BLACKROCK FUND DISTRIBUTION CO.  
014 B000013 8-67795  
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020 A000010 BARCLAYS CAPITAL INC.  
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087 A030000 BME

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088 B000000 N

088 C000000 N

088 D000000 N

SIGNATURE ANNE F. ACKERLEY

TITLE PRESIDENT