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BlackRock Health Sciences Trust  
Form NSAR-B  
December 29, 2010

PAGE 1  
000 B000000 10/31/2010  
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000 E000000 NF  
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001 A000000 BLACKROCK HEALTH SCIENCES TRUST  
001 B000000 811-21702  
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002 A000000 100 BELLEVUE PARKWAY  
002 B000000 WILMINGTON  
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008 A000001 BLACKROCK ADVISORS, LLC  
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008 D020001 DE  
008 D030001 19809  
012 A000001 BNY MELLON SHAREOWNER SERVICES  
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013 A000001 DELOITTE & TOUCHE LLP  
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014 A000001 BLACKROCK CAPITAL MARKETS, LLC  
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014 A000003 BLACKROCK FUND DISTRIBUTION CO.  
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014 A000005 Harris Williams LLC  
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SIGNATURE ANNE F. ACKERLEY  
TITLE PRESIDENT