

NUVEEN INSURED NEW YORK TAX FREE ADVANTAGE MUNICIPAL FUND  
Form NSAR-B  
November 26, 2010

PAGE 1  
000 B000000 09/30/2010  
000 C000000 0001195739  
000 D000000 N  
000 E000000 NF  
000 F000000 Y  
000 G000000 N  
000 H000000 N  
000 I000000 6.1  
000 J000000 A  
001 A000000 NUVEEN INS NY TAX-FREE ADVANTAGE MUNI FUND  
001 B000000 811-21211  
001 C000000 3129178200  
002 A000000 333 WEST WACKER DRIVE  
002 B000000 CHICAGO  
002 C000000 IL  
002 D010000 60606  
002 D020000 1286  
003 000000 N  
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005 000000 N  
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007 C010500 5  
007 C010600 6  
007 C010700 7  
007 C010800 8  
007 C010900 9  
007 C011000 10  
008 A000001 NUVEEN ASSET MANAGEMENT  
008 B000001 A  
008 C000001 801-14147  
008 D010001 CHICAGO  
008 D020001 IL  
008 D030001 60606  
008 D040001 1286  
012 A000001 EQUISERVE INC.  
012 B000001 84-05925  
012 C010001 PROVIDENCE  
012 C020001 RI  
012 C030001 02940  
013 A000001 ERNST & YOUNG LLP  
013 B010001 CHICAGO  
013 B020001 IL  
013 B030001 60606  
014 A000001 NUVEEN INVESTMENTS, LLC  
014 B000001 8-13464  
PAGE 2  
015 A000001 STATE STREET BANK AND TRUST COMPANY  
015 B000001 C  
015 C010001 BOSTON  
015 C020001 MA  
015 C030001 02110  
015 E010001 X

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018 000000 Y  
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 022 B000001 95-2622900  
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 022 B000002 13-5674085  
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 022 B000003 13-2655998  
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 022 B000004 82-0576420  
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| 026 | G020000 | N    |
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|     |         |       |     |
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|     | PAGE    | 5     |     |
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| 054 | J000000 | Y     |     |
| 054 | K000000 | N     |     |
| 054 | L000000 | N     |     |
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| 062 | E000000 |       | 0.0 |

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|     |         |       |
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| 062 | Q000000 | 0.0   |
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|     |         |       |
|-----|---------|-------|
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| 064 | B000000 | N     |
| 066 | A000000 | N     |
| 067 | 000000  | N     |
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| 070 | E020000 | N     |
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| 070 | F020000 | N     |
| 070 | G010000 | Y     |
| 070 | G020000 | N     |
| 070 | H010000 | N     |
| 070 | H020000 | N     |
| 070 | I010000 | N     |
| 070 | I020000 | N     |
| 070 | J010000 | Y     |
| 070 | J020000 | N     |
| 070 | K010000 | Y     |
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| 070 | M010000 | N     |
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| 070 | N020000 | N     |
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| 071 | A000000 | 9883  |
| 071 | B000000 | 3352  |
| 071 | C000000 | 78460 |

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071 D000000 4  
 072 A000000 12  
 072 B000000 3662  
 072 C000000 0  
 072 D000000 0

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 072 F000000 509  
 072 G000000 0  
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 072 R000000 10  
 072 S000000 5  
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 072 V000000 0  
 072 W000000 41  
 072 X000000 1025  
 072 Y000000 74  
 072 Z000000 2712  
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 074 M000000 641  
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 074 P000000 37  
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074 R020000 0  
 074 R030000 0  
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 074 S000000 27680

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|           |                   |   |
|-----------|-------------------|---|
| 074       | T000000           | 53866   |
| 074       | U010000           | 3507  |
| 074       | U020000           | 0   |
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| 074       | V020000           | 0.00  |
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| 074       | X000000           | 26  |
| 074       | Y000000           | 3865  |
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| 075       | B000000           | 52576   |
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| 077       | I000000           | Y   |
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| 080       | A000000           | CHUBB GROUP OF INSURANCE COMPANIES            |
| 080       | B000000           | BERKLEY, GREAT AMERICAN, ST.PAUL,CNA & ZURICH |
| 080       | C000000           | 110000  |
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| 087       | A030000           | NRK   |
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| 088       | C000000           | N   |
|           | PAGE              | 9   |
| 088       | D000000           | Y   |
| SIGNATURE | STEPHEN D. FOY    |   |
| TITLE     | V.P. & CONTROLLER |   |