

NUVEEN INSURED NEW YORK TAX FREE ADVANTAGE MUNICIPAL FUND  
Form NSAR-A  
June 01, 2010

PAGE 1  
000 A000000 03/31/2010  
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  
004 000000 N  
005 000000 N  
006 000000 N  
007 A000000 N  
007 B000000 0  
007 C010100 1  
007 C010200 2  
007 C010300 3  
007 C010400 4  
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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|     |         |                 |  |
|-----|---------|-----------------|--|
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| 019 | B000000 | 199             |  |
| 019 | C000000 | NUVEENFUND      |  |
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| 022 | A000001 | JEFFERIES & CO  |  |
| 022 | B000001 | 95-2622900      |  |
| 022 | C000001 | 2615            |  |
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| 022 | A000002 | MORGAN STANLEY  |  |
| 022 | B000002 | 13-2655998      |  |
| 022 | C000002 | 2011            |  |
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| 022 | A000003 | BRAYMEN LAMBERT |  |
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| 022 | A000004 | MERRILL LYNCH   |  |
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| 026 | F000000 | N               |  |
| 026 | G010000 | N               |  |

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|     |         |       |   |
|-----|---------|-------|---|
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|     | PAGE    | 4     |   |
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| 048 | B020000 | 0.000 |   |
| 048 | C010000 |       | 0 |

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|     |         |       |   |
|-----|---------|-------|---|
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|     | PAGE    | 5     |   |
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| 054 | D000000 | N     |   |
| 054 | E000000 | N     |   |
| 054 | F000000 | N     |   |
| 054 | G000000 | N     |   |
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| 054 | I000000 | N     |   |
| 054 | J000000 | Y     |   |
| 054 | K000000 | N     |   |
| 054 | L000000 | N     |   |
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| 054 | N000000 | N     |   |
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| 055 | B000000 | N     |   |
| 056 | 000000  | Y     |   |
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| 058 | A000000 | N     |   |
| 059 | 000000  | Y     |   |
| 060 | A000000 | Y     |   |
| 060 | B000000 | N     |   |
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| 062 | N000000 | 0.0   |
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| 068 | B000000 | N     |
| 069 | 000000  | N     |
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|     | PAGE    | 6     |
| 070 | A020000 | N     |
| 070 | B010000 | N     |
| 070 | B020000 | N     |
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| 070 | C020000 | N     |
| 070 | D010000 | N     |
| 070 | D020000 | N     |
| 070 | E010000 | Y     |
| 070 | E020000 | N     |
| 070 | F010000 | N     |
| 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     |
| 070 | K020000 | N     |
| 070 | L010000 | N     |
| 070 | L020000 | N     |
| 070 | M010000 | N     |
| 070 | M020000 | N     |
| 070 | N010000 | N     |
| 070 | N020000 | N     |
| 070 | O010000 | Y     |
| 070 | O020000 | N     |
| 070 | P010000 | N     |
| 070 | P020000 | N     |
| 070 | Q010000 | N     |
| 070 | Q020000 | N     |
| 070 | R010000 | N     |
| 070 | R020000 | N     |
| 071 | A000000 | 5838  |
| 071 | B000000 | 3312  |
| 071 | C000000 | 75654 |
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| 072 | B000000 | 1783  |
| 072 | C000000 | 0     |
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| 072 | F000000 | 252   |
| 072 | G000000 | 0     |

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|             |    |
|-------------|----|
| 072 H000000 | 0  |
| 072 I000000 | 5  |
| 072 J000000 | 9  |
| 072 K000000 | 5  |
| 072 L000000 | 11 |

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|             |        |
|-------------|--------|
| 072 M000000 | 1      |
| 072 N000000 | 0      |
| 072 O000000 | 0      |
| 072 P000000 | 7      |
| 072 Q000000 | 0      |
| 072 R000000 | 5      |
| 072 S000000 | 3      |
| 072 T000000 | 0      |
| 072 U000000 | 0      |
| 072 V000000 | 0      |
| 072 W000000 | 33     |
| 072 X000000 | 331    |
| 072 Y000000 | 42     |
| 072 Z000000 | 1494   |
| 072AA000000 | 2      |
| 072BB000000 | 0      |
| 072CC010000 | 0      |
| 072CC020000 | 955    |
| 072DD010000 | 1269   |
| 072DD020000 | 0      |
| 072EE000000 | 229    |
| 073 A010000 | 0.3620 |
| 073 A020000 | 0.0000 |
| 073 B000000 | 0.0652 |
| 073 C000000 | 0.0000 |
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| 074 B000000 | 0      |
| 074 C000000 | 3446   |
| 074 D000000 | 77346  |
| 074 E000000 | 0      |
| 074 F000000 | 0      |
| 074 G000000 | 0      |
| 074 H000000 | 0      |
| 074 I000000 | 0      |
| 074 J000000 | 0      |
| 074 K000000 | 0      |
| 074 L000000 | 1034   |
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| 074 P000000 | 38     |
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| 074 R020000 | 0      |
| 074 R030000 | 0      |
| 074 R040000 | 2632   |
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| 074 T000000 | 52198  |
| 074 U010000 | 3507   |
| 074 U020000 | 0      |
| 074 V010000 | 14.89  |

PAGE 8

|             |        |
|-------------|--------|
| 074 V020000 | 0.00   |
| 074 W000000 | 0.0000 |
| 074 X000000 | 27     |
| 074 Y000000 | 3865   |

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|           |                   |              |
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| 075       | A000000           | 0            |
| 075       | B000000           | 52066        |
| 076       | 000000            | 14.03        |
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| 077       | B000000           | N            |
| 077       | Q020000           | Y            |
| 078       | 000000            | N            |
| 080       | C000000           | 0            |
| 081       | B000000           | 0            |
| 082       | B000000           | 0            |
| 083       | B000000           | 0            |
| 084       | B000000           | 0            |
| 086       | A010000           | 0            |
| 086       | A020000           | 0            |
| 086       | B010000           | 0            |
| 086       | B020000           | 0            |
| 086       | C010000           | 0            |
| 086       | C020000           | 0            |
| 086       | D010000           | 0            |
| 086       | D020000           | 0            |
| 086       | E010000           | 0            |
| 086       | E020000           | 0            |
| 086       | F010000           | 0            |
| 086       | F020000           | 0            |
| 087       | A010000           | COMMON STOCK |
| 087       | A020000           | 670656107    |
| 087       | A030000           | NRK          |
| 088       | A000000           | N            |
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| 088       | C000000           | N            |
| 088       | D000000           | Y            |
| SIGNATURE | STEPHEN D. FOY    |              |
| TITLE     | V.P. & CONTROLLER |              |