

Invesco Insured Municipal Income Trust
Form N-Q
July 29, 2011

OMB APPROVAL

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**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549
FORM N-Q
QUARTERLY SCHEDULE OF PORTFOLIO HOLDINGS OF REGISTERED MANAGEMENT
INVESTMENT COMPANY
Investment Company Act file number 811-06590
Invesco Insured Municipal Income Trust**

(Exact name of registrant as specified in charter)

1555 Peachtree Street, N.E., Atlanta, Georgia

30309

(Address of principal executive offices)

(Zip code)

Philip A. Taylor 1555 Peachtree Street, N.E., Atlanta, Georgia 30309

(Name and address of agent for service)

Registrant's telephone number, including area code: (713) 626-1919

Date of fiscal year end: 2/28

Date of reporting period: 5/31/11

Item 1. Schedule of Investments.

Invesco Insured Municipal Income Trust

Quarterly Schedule of Portfolio Holdings

May 31, 2011

invesco.com/us

MS-CE-IMINC-QTR-1
05/11

Invesco Advisers, Inc.

Schedule of Investments

May 31, 2011

(Unaudited)

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Municipal Obligations 150.62%				
Alabama 0.83%				
Birmingham (City of) Airport Authority; Series 2010, Airport RB (INS-AGM) ^(a)	5.25%	07/01/30	\$ 1,600	\$ 1,632,944
Chatom (Town of) Industrial Development Board (PowerSouth Energy Cooperative); Series 2010 A, Ref. Gulf Opportunity Zone RB (INS-AGC) ^(a)	5.00%	08/01/37	900	906,192
				2,539,136
Arizona 1.61%				
Arizona (State of); Series 2008 A, COP (INS-AGM) ^(a)	5.00%	09/01/26	1,495	1,526,216
Glendale (City of) Industrial Development Authority (Midwestern University); Series 2010, RB	5.00%	05/15/35	450	417,969
Series 2010, RB	5.13%	05/15/40	450	417,105
University of Arizona; Series 2003 B, COP (INS-AMBAC) ^(a)	5.00%	06/01/23	2,500	2,544,125
				4,905,415
California 34.58%				
Alameda (County of) Joint Powers Authority (Juvenile Justice Refunding); Series 2008 A, Lease RB (INS-AGM) ^(a)	5.00%	12/01/24	1,475	1,548,440
Alhambra Unified School District (Election of 2004); Series 2009 B, Unlimited Tax CAB GO Bonds (INS-AGC) ^{(a)(b)}	0.00%	08/01/35	1,655	336,610
Alvord Unified School District (Election of 2007); Series 2008 A, Unlimited Tax GO Bonds (INS-AGM) ^(a)	5.00%	08/01/27	1,160	1,182,666
Anaheim (City of) Public Financing Authority (Electric System Distribution Facilities); Series 2007 A, RB (INS-NATL) ^{(a)(c)}	4.50%	10/01/37	20,000	18,316,600
Beverly Hills Unified School District (Election of 2008); Series 2009, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/26	1,170	507,780
Series 2009, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/31	2,275	679,838
California (State of) Department of Water Resources; Series 2008 H, Power Supply RB (INS-AGM) ^(a)	5.00%	05/01/22	3,050	3,410,022

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California (State of) Health Facilities Financing Authority (Scripps Health); Series 2010 A, RB	5.00%	11/15/36	2,150	1,957,102
California (State of) Statewide Communities Development Authority (Cottage Health System Obligated Group); Series 2010, RB	5.00%	11/01/40	1,000	912,570
California Infrastructure & Economic Development Bank; Series 2003 A, First Lien Bay Area Toll Bridges Seismic Retrofit RB ^{(d)(e)}	5.00%	01/01/28	4,500	5,409,990
Series 2003 A, First Lien Bay Area Toll Bridges Seismic Retrofit RB ^{(c)(d)(e)}	5.00%	01/01/28	10,000	12,022,200
Clovis Unified School District (Election of 2004); Series 2004 A, Unlimited Tax CAB GO Bonds (INS-NATL) ^{(a)(b)}	0.00%	08/01/29	585	188,908
East Bay Municipal Utility District; Series 2002 A, Ref. Sub. VRD Water System RB (INS-AGM) ^{(a)(f)}	0.30%	06/01/25	1,340	1,340,000
El Segundo Unified School District (Election of 2008); Series 2009 A, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/31	3,065	822,585
Golden State Tobacco Securitization Corp.; Series 2005 A, Enhanced Tobacco Settlement Asset-Backed RB (INS-FGIC) ^(a)	5.00%	06/01/38	1,500	1,298,880
Irvine (City of) (Reassessment District No. 85-7); Series 2007 A, VRD Limited Obligation Improvement Special Assessment Bonds (INS-AGM) ^{(a)(f)}	0.80%	09/02/32	3,292	3,292,000
Long Beach (City of); Series 1998 A, Ref. Harbor RB (INS-NATL) ^{(a)(g)}	6.00%	05/15/18	9,000	10,574,280
Los Angeles (City of) Department of Airports (Los Angeles International Airport); Series 2010 B, Sub. RB	5.00%	05/15/40	850	839,086
Los Angeles (City of) Department of Water & Power; Series 2004 C, Water System RB (INS-NATL) ^{(a)(c)}	5.00%	07/01/25	5,000	5,316,850
Los Angeles (City of); Series 2004 A, Unlimited Tax GO Bonds (INS-NATL) ^(a)	5.00%	09/01/24	3,000	3,178,800
Menifee Union School District (Election of 2008); Series 2009 C, Unlimited Tax CAB GO Bonds (INS-AGC) ^{(a)(b)}	0.00%	08/01/34	1,665	363,336
Moreland School District (Crossover); Series 2014 C, Ref. Unlimited Tax CAB GO Bonds (INS-AMBAC) ^{(a)(b)}	0.00%	08/01/29	1,845	567,135
Oak Grove School District (Election of 2008); Series 2009 A, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/28	1,320	442,438

See accompanying notes which are an integral part of this schedule.

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	Interest Rate	Maturity Date	Principal Amount (000)	Value
California (continued)				
Oakland (Port of); Series 2002 L, RB ^{(d)(e)(g)}	5.00%	11/01/12	\$ 110	\$ 117,258
Series 2002 L, RB (INS-NATL) ^{(a)(g)}	5.00%	11/01/21	890	895,652
Patterson Joint Unified School District (Election of 2008); Series 2009 B, Unlimited Tax CAB GO Bonds (INS-AGM) ^{(a)(b)}	0.00%	08/01/34	3,825	855,538
Series 2009 B, Unlimited Tax CAB GO Bonds (INS-AGM) ^{(a)(b)}	0.00%	08/01/35	4,120	845,836
Series 2009 B, Unlimited Tax CAB GO Bonds (INS-AGM) ^{(a)(b)}	0.00%	08/01/36	300	56,709
Poway Unified School District (Election of 2008 - School Facilities Improvement District No. 2007-1); Series 2009 A, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/28	3,925	1,315,581
Series 2009 A, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/31	4,245	1,139,273
Sacramento (County of) Sanitation Districts Financing Authority; Series 2006, RB (INS-NATL) ^(a)	5.00%	12/01/36	3,000	3,040,350
San Diego (County of) Water Authority; Series 2002 A, Water Revenue COP (INS-NATL) ^(a)	5.00%	05/01/27	5,000	5,060,350
Series 2004 A, Water Revenue COP (INS-AGM) ^{(a)(c)}	5.00%	05/01/29	5,000	5,105,750
Twin Rivers Unified School District (School Facility Bridge Funding Program); Series 2007, COP (INS-AGM) ^{(a)(e)(h)}	3.50%	05/31/13	2,100	2,100,840
University of California; Series 2003 B, General RB (INS-AMBAC) ^(a)	5.00%	05/15/22	2,000	2,110,540
Series 2007 J, General RB (INS-AGM) ^{(a)(c)}	4.50%	05/15/31	3,310	3,160,818
Series 2007 J, General RB (INS-AGM) ^{(a)(c)}	4.50%	05/15/35	2,690	2,438,808
William S. Hart Union High School District (Election of 2008); Series 2009 A, Unlimited Tax CAB GO Bonds ^(b)	0.00%	08/01/33	11,350	2,485,650
				105,237,069
Colorado 1.28%				
Colorado (State of) Regional Transportation District (Denver Transit Partners); Series 2010, Private Activity RB	6.00%	01/15/41	1,350	1,353,645
	5.00%	12/01/30	3,000	2,541,780

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Denver (City of) Convention Center Hotel
 Authority; Series 2006, Ref. Sr. RB (INS-SGI) ^(a)

3,895,425

Connecticut 0.52%

Connecticut (State of) Health & Educational
 Facility Authority (Quinnipiac University);
 Series 2007 K2, RB (INS-NATL) ^(a)

5.00% 07/01/25 1,525 1,587,174

District of Columbia 3.39%

District of Columbia Water & Sewer Authority;
 Series 2008 A, Ref. Public Utility Sub. Lien RB
 (INS-AGC) ^(a)

5.00% 10/01/28 1,350 1,420,524

District of Columbia;

Series 2006 B-1, Ballpark RB (INS-NATL) ^(a)

5.00% 02/01/31 2,000 1,850,020

Series 2008 E, Unlimited Tax GO Bonds
 (INS-BHAC) ^{(a)(c)}

5.00% 06/01/26 1,000 1,063,360

Series 2008 E, Unlimited Tax GO Bonds
 (INS-BHAC) ^{(a)(c)}

5.00% 06/01/27 1,000 1,056,470

Series 2008 E, Unlimited Tax GO Bonds
 (INS-BHAC) ^{(a)(c)}

5.00% 06/01/28 2,000 2,099,260

Series 2009 A, Sec. Income Tax RB ^(c)

5.25% 12/01/27 2,540 2,816,098

10,305,732

Florida 13.00%

Citizens Property Insurance Corp.; Series 2010 A-1,
 Sr. Sec. High Risk Account RB

5.00% 06/01/14 2,600 2,764,034

Miami-Dade (County of) (Building Better
 Communities Program); Series 2009 B-1, Unlimited
 Tax GO Bonds

6.00% 07/01/38 1,000 1,079,070

Miami-Dade (County of) Expressway Authority;
 Series 2010 A, Ref. Toll System RB (INS-AGC) ^(a)

5.00% 07/01/35 1,525 1,509,140

Miami-Dade (County of) School Board;
 Series 2003 D, COP (INS-NATL) ^(a)

5.00% 08/01/29 15,000 14,588,850

Miami-Dade (County of); Series 2010, Water &
 Sewer System RB (INS-AGM) ^(a)

5.00% 10/01/39 2,000 2,012,460

Mid-Bay Bridge Authority; Series 2008 A, Ref. RB
 (INS-AGC) ^(a)

5.00% 10/01/27 1,550 1,508,569

Orange (County of) Health Facilities Authority
 (Orlando Regional Healthcare System); Series 2007
 A-1, VRD Hospital RB (INS-AGM) ^{(a)(f)}

0.75% 10/01/41 2,430 2,430,000

Orange (County of) School Board; Series 2002 A,
 COP (INS-AMBAC) ^(a)

5.25% 08/01/14 3,000 3,180,870

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	Interest Rate	Maturity Date	Principal Amount (000)	Value
Florida (continued)				
Palm Beach (County of) Solid Waste Authority; Series 2009, Improvement RB (INS-BHAC) ^(a)	5.50%	10/01/23	\$ 1,500	\$ 1,696,275
Port St. Lucie (City of); Series 2009, Ref. Utility System RB (INS-AGC) ^(a)	5.00%	09/01/29	1,000	1,026,520
Tampa (City of) Sports Authority; Series 2005, Ref. Sales Tax RB (INS-AGM) ^(a)	5.00%	01/01/26	2,670	2,739,821
Tampa Bay Water; Series 2001 A, Ref. Utility System Improvement RB (INS-NATL) ^(a)	5.00%	10/01/28	5,000	5,019,000
				39,554,609
Georgia 3.44%				
Atlanta (City of); Series 2004 C, Airport Passenger Facility Charge & Sub. Lien General RB (INS-AGM) ^{(a)(c)}	5.00%	01/01/33	5,000	5,010,400
Series 2010 A, General Airport RB (INS-AGM) ^(a)	5.00%	01/01/35	2,000	2,004,760
Augusta (City of); Series 2004, Water & Sewerage RB (INS-AGM) ^(a)	5.25%	10/01/39	2,000	2,053,600
Metropolitan Atlanta Rapid Transit Authority; Series 2007 B, Ref. Third Indenture Sales Tax RB (INS-AGM) ^(a)	5.00%	07/01/34	1,390	1,401,912
				10,470,672
Hawaii 1.64%				
Hawaii (State of) Department of Budget & Finance (Hawaiian Electric Co., Inc.); Series 1999 C, Special Purpose RB (INS-AMBAC) ^{(a)(g)}	6.20%	11/01/29	5,000	4,983,350
Idaho 1.64%				
Idaho (State of) Health Facilities Authority (St. Luke's Regional Medical Center); Series 2005, RB (INS-AGM) ^(a)	5.00%	07/01/35	2,250	2,273,648
Idaho (State of) Housing & Finance Association (Federal Highway Trust Fund); Series 2008 A, Grant & RAB (INS-AGC) ^(a)	5.25%	07/15/24	2,500	2,727,000
				5,000,648

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Illinois 9.40%

Chicago (City of) (O Hare International Airport); Series 2005 A, General Airport Third Lien RB (INS-NATL) ^(a)	5.25%	01/01/25	5,000	5,156,700
Chicago (City of) Transit Authority (FTA Section 5309 Fixed Guideway Modernization Formula Funds); Series 2008, Capital Grant Receipts RB (INS-AGC) ^(a)	5.25%	06/01/25	480	491,141
Series 2008, Capital Grant Receipts RB (INS-AGC) ^(a)	5.25%	06/01/26	1,210	1,228,755
Chicago (City of); Series 2007 A, Ref. Project Unlimited Tax GO Bonds (INS-AGM) ^{(a)(c)(i)}	5.00%	01/01/37	7,460	7,153,170
DeKalb County Community Unit School District No. 428; Series 2008, Unlimited Tax GO Bonds (INS-AGM) ^(a)	5.00%	01/01/27	1,175	1,224,761
Illinois (State of) Finance Authority (Northwestern Memorial Hospital); Series 2009 B, RB	5.38%	08/15/24	1,595	1,721,547
Illinois (State of) Finance Authority (Swedish American Hospital); Series 2004, RB (INS-AMBAC) ^(a)	5.00%	11/15/31	2,000	1,800,880
Illinois (State of) Metropolitan Pier & Exposition Authority (McCormick Place Expansion); Series 2002 A, Dedicated State Tax RB (INS-NATL) ^(a)	5.25%	06/15/42	5,000	4,869,200
Series 2002 B, Ref. Dedicated State Tax Conv. CAB RB (INS-NATL) ^{(a)(b)}	0.00%	06/15/18	3,000	3,136,260
Railsplitter Tobacco Settlement Authority; Series 2010, RB	5.50%	06/01/23	1,830	1,820,484
				28,602,898

Iowa 1.40%

Iowa (State of); Series 2009 A, IJOBS Program Special Obligation RB ^{(c)(i)}	5.00%	06/01/25	2,225	2,439,379
Series 2009 A, IJOBS Program Special Obligation RB ^{(c)(i)}	5.00%	06/01/26	1,665	1,810,704
				4,250,083

Kansas 0.70%

Kansas (State of) Development Finance Authority (Adventist Health System/Sunbelt Obligated Group); Series 2009 C, Hospital RB	5.50%	11/15/29	755	806,498
Wyandotte (County of) & Kansas City (City of) Unified Government; Series 2009 A, Utility System Improvement RB (INS-BHAC) ^(a)	5.25%	09/01/34	1,295	1,338,590

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	Interest Rate	Maturity Date	Principal Amount (000)	Value
Kentucky 0.70%				
Kentucky (Commonwealth of) State Property & Buildings Commission (Project No. 93); Series 2009, Ref. RB (INS-AGC) ^(a)	5.25%	02/01/28	\$ 2,000	\$ 2,120,840
Louisiana 2.07%				
Lafayette (City of) Consolidated Government; Series 2004, Utilities RB (INS-NATL) ^(a)	5.25%	11/01/25	4,000	4,262,640
Lafayette (City of) Public Trust Financing Authority (Ragin Cajun Facilities, Inc. Housing & Parking); Series 2010, RB (INS-AGM) ^(a)	5.50%	10/01/35	2,000	2,041,540
				6,304,180
Massachusetts 4.69%				
Massachusetts (State of) Health & Educational Facilities Authority (Boston College); Series 2008 M-2, RB	5.50%	06/01/30	2,400	2,838,744
Massachusetts (State of) Health & Educational Facilities Authority (Harvard University); Series 2009 A, RB ^(c)	5.50%	11/15/36	7,925	8,671,297
Massachusetts (State of) Health & Educational Facilities Authority (Massachusetts Institute of Technology); Series 2009 O, RB ^(c)	5.50%	07/01/36	2,565	2,779,639
				14,289,680
Michigan 0.58%				
Wayne State University Board of Governors; Series 2008, Ref. General RB (INS-AGM) ^(a)	5.00%	11/15/25	760	799,353
Series 2008, Ref. General RB (INS-AGM) ^(a)	5.00%	11/15/29	930	960,048
				1,759,401
Missouri 1.19%				
Kansas City (City of) Industrial Development Authority (Downtown Redevelopment District); Series 2011 A, Ref. RB	5.50%	09/01/24	370	403,518
Series 2011 A, Ref. RB	5.50%	09/01/25	650	702,579
	5.00%	01/01/26	2,500	2,509,550

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Missouri (State of) Joint Municipal Electric Utility
Commission (Plum Point); Series 2006, Power
Project RB (INS-NATL) ^(a)

3,615,647

Montana 0.31%

Montana (State of) Facility Finance Authority
(Benefis Health System Obligated Group);
Series 2011 A, Hospital RB (INS-AGC) ^(a)

5.75% 01/01/31 895 937,584

Nebraska 1.25%

Nebraska (State of) Public Power District;
Series 2003 A, RB (INS-AMBAC) ^(a)

5.00% 01/01/35 3,760 3,790,531

Nevada 3.79%

Clark (County of) (Las Vegas-McCarran
International Airport); Series 2010 A, Passenger
Facility Charge RB (INS-AGM) ^(a)

5.25% 07/01/39 2,000 1,952,560

Las Vegas (City of) Valley Water District;
Series 2003 A, Ref. Water Improvement Limited
Tax GO Bonds (INS-NATL) ^(a)

5.25% 06/01/19 5,080 5,355,844

Nevada (State of); Series 2008 C, Capital
Improvement & Cultural Affairs Limited Tax GO
Bonds (INS-AGM) ^{(a)(c)}

5.00% 06/01/26 4,000 4,215,920

11,524,324

New Hampshire 0.43%

New Hampshire (State of) Health & Education
Facilities Authority (University System of New
Hampshire); Series 2001, RB (INS-AMBAC) ^(a)

5.13% 07/01/33 1,300 1,302,652

New Jersey 3.15%

New Jersey (State of) Economic Development
Authority (Provident Group-Montclair Properties
LLC - Montclair State University Student Housing);
Series 2010 A, RB

5.88% 06/01/42 880 818,057

New Jersey (State of) Economic Development
Authority; Sub-Series 2005 N-1, Ref. School
Facilities Construction RB (INS-AMBAC) ^(a)

5.50% 09/01/24 1,465 1,606,534

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	Interest Rate	Maturity Date	Principal Amount (000)	Value
New Jersey (continued)				
New Jersey (State of) Transportation Trust Fund Authority;				
Series 2005 C, Transportation System RB (INS-NATL) ^(a)	5.25%	06/15/20	\$ 4,000	\$ 4,242,280
Series 2006 C, Transportation System CAB RB (INS-AGC) ^{(a)(b)}	0.00%	12/15/26	7,155	2,916,306
				9,583,177
New York 6.93%				
Long Island Power Authority; Series 2003 C, Electric System General RB (INS-AGM) ^(a)	5.00%	09/01/28	3,000	3,029,940
Metropolitan Transportation Authority; Series 2010 D, Transportation RB	5.00%	11/15/34	1,300	1,295,515
New York (City of) Industrial Development Agency (Yankee Stadium); Series 2006, PILOT RB (INS-FGIC) ^(a)	5.00%	03/01/46	1,125	997,864
New York (City of) Transitional Finance Authority; Series 2002 C, Sec. Future Tax RB ^{(d)(e)}	5.25%	08/01/12	1,735	1,835,890
New York (State of) Dormitory Authority (The City of New York);				
Series 2005 A, Court Facilities Lease RB (INS-AMBAC) ^(a)	5.50%	05/15/28	750	837,803
Series 2005 A, Court Facilities Lease RB (INS-AMBAC) ^(a)	5.50%	05/15/29	1,150	1,276,281
New York (City of) Industrial Development Agency (Queens Baseball Stadium); Series 2006, PILOT RB (INS-AMBAC) ^(a)	5.00%	01/01/31	2,000	1,745,260
Triborough Bridge & Tunnel Authority; Series 2002 E, Ref. Sub. RB (INS-NATL) ^{(a)(c)}	5.00%	11/15/32	10,000	10,064,600
				21,083,153
Ohio 1.13%				
Cleveland (City of);				
Series 2008 B-1, Public Power System CAB RB (INS-NATL) ^{(a)(b)}	0.00%	11/15/28	1,720	650,676
Series 2008 B-2, Public Power System CAB RB (INS-NATL) ^{(a)(b)}	0.00%	11/15/26	2,270	991,763
Ohio (State of) Higher Educational Facility Commission (Summa Health System); Series 2010,	5.75%	11/15/35	900	851,481

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Hospital Facilities RB

Ohio (State of) Water Development Authority

(FirstEnergy Nuclear Generation Corp.);

Series 2009 A, Ref. PCR ^{(e)(h)}

5.88%	06/01/16	850	936,870
			3,430,790

Pennsylvania 5.41%

Delaware (County of) Industrial Development Authority (Aqua Pennsylvania, Inc.); Series 2005 A,

Water Facilities RB (INS-NATL) ^{(a)(g)}

5.00%	11/01/37	2,000	1,941,420
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Pennsylvania (State of) Economic Development Financing Authority (Waste Management, Inc.);

Series 2004 A, Solid Waste Disposal RB ^{(e)(h)}

3.70%	05/01/15	1,800	1,848,888
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Pennsylvania (State of) Turnpike Commission;

Series 2008 A-1, Sub. RB (INS-AGC) ^(a)

5.00%	06/01/25	1,450	1,510,349
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Philadelphia (City of);

Series 1998, Ref. Water & Wastewater RB

(INS-AMBAC) ^(a)

5.25%	12/15/14	5,000	5,569,000
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Series 2009 B, Limited Tax GO Bonds (INS-AGC)

^(a)

7.13%	07/15/38	875	969,911
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Philadelphia School District; Series 2008 E, Limited

Tax GO Bonds (INS-BHAC) ^(a)

5.13%	09/01/23	1,500	1,613,505
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York (City of) General Authority (Harrisburg

Parking Authority); Series 1996 C, Pooled

Financing VRD RB (INS-AGM) ^{(a)(f)}

0.23%	09/01/26	3,000	3,000,000
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16,453,073

Puerto Rico 1.11%

Puerto Rico Sales Tax Financing Corp.;

First Sub. Series 2009 A, Sales Tax RB ^{(d)(e)}

5.00%	08/01/11	1,420	1,431,459
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First Sub. Series 2010 C, Sales Tax RB

5.25%	08/01/41	2,050	1,960,272
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3,391,731

Rhode Island 3.57%

Rhode Island Depositors Economic Protection

Corp.; Series 1993 B, Ref. Special Obligation RB ^(d)

6.00%	08/01/17	10,000	10,879,500
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	Interest Rate	Maturity Date	Principal Amount (000)	Value
South Carolina 6.48%				
Piedmont Municipal Power Agency; Series 2008 C, Ref. Electric RB (INS-AGC) ^(a)	5.75%	01/01/34	\$ 3,330	\$ 3,494,802
South Carolina (State of) Medical University Hospital Authority; Series 2004 A, Ref. FHA Insured Mortgage Hospital Facilities RB (INS-NATL) ^(a)	5.25%	02/15/25	1,500	1,551,690
South Carolina (State of) Public Service Authority (Santee Cooper); Series 2006 A, RB (INS-NATL) ^(a)	5.00%	01/01/36	4,000	4,064,480
South Carolina (State of) Public Service Authority; Series 2003 A, Ref. RB (INS-AMBAC) ^{(a)(c)}	5.00%	01/01/22	10,000	10,623,800
				19,734,772
Texas 18.07%				
Amarillo Health Facilities Corp. (Baptist St. Anthony's Hospital Corp.); Series 1998, RB (INS-AGM) ^(a)	5.50%	01/01/16	3,020	3,252,419
Series 1998, RB (INS-AGM) ^(a)	5.50%	01/01/17	5,075	5,447,099
Capital Area Cultural Education Facilities Finance Corp. (The Roman Catholic Diocese of Austin); Series 2005 B, RB	6.13%	04/01/45	900	901,431
Dallas-Forth Worth International Airport Facilities Improvement Corp.; Series 2003 A, Joint RB (INS-AGM) ^{(a)(c)(g)}	5.38%	11/01/22	9,000	9,238,230
Friendswood Independent School District; Series 2008, Schoolhouse Unlimited Tax GO Bonds (CEP-Texas Permanent School Fund)	5.00%	02/15/27	1,000	1,076,830
Harris County Health Facilities Development Corp. (TECO); Series 2008, Thermal Utility RB (INS-AGC) ^(a)	5.25%	11/15/24	2,160	2,323,015
Houston (City of) Convention & Entertainment Facilities Department; Series 2001 B, Hotel Occupancy Tax & Special CAB RB (INS-AGM) ^{(a)(b)}	0.00%	09/01/26	3,975	1,704,560
Houston (City of); Series 2004 A, Ref. First Lien Combined Utility System RB (INS-NATL) ^(a)	5.25%	05/15/23	5,435	5,881,431
Houston Community College System; Series 2008, Sr. Lien Student Fee RB (INS-AGM) ^(a)	5.00%	04/15/25	1,175	1,249,436
Series 2008, Sr. Lien Student Fee RB (INS-AGM) ^(a)	5.00%	04/15/26	330	348,728
Lower Colorado River Authority; Series 2009, Ref. & Improvement RB (INS-NATL) ^(a)	5.00%	05/15/31	8,320	8,371,334
Series 2010, Ref. RB (INS-AGM) ^(a)	5.00%	05/15/26	965	965,656
North Texas Tollway Authority; Series 2008 D, Ref. First Tier System CAB RB (INS-AGC) ^{(a)(b)}	0.00%	01/01/28	8,200	3,037,034
	0.00%	01/01/31	1,775	528,808

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Series 2008 D, Ref. First Tier System CAB RB (INS-AGC)
(a)(b)

San Antonio (City of); Series 2002 A, Water System RB (INS-AGM) (a)	5.00%	05/15/32	3,000	3,004,350
San Jacinto River Authority (GRP); Series 2011, Special Project RB (INS-AGM) (a)	5.00%	10/01/32	1,010	1,013,687
Series 2011, Special Project RB (INS-AGM) (a)	5.00%	10/01/37	1,110	1,099,499
Texas (State of) Turnpike Authority; Series 2002 A, First Tier RB (INS-AMBAC) (a)	5.50%	08/15/39	4,000	3,885,320
Victoria Independent School District; Series 2008, School Building Unlimited Tax GO Bonds (CEP-Texas Permanent School Fund)	5.00%	02/15/24	1,510	1,666,089
				54,994,956

Utah 3.32%

Intermountain Power Agency; Series 2003 A, Ref. Power Supply RB (INS-AGM) (a)	5.00%	07/01/21	5,000	5,338,400
Utah (State of) Transit Authority; Series 2008 A, Sales Tax RB (INS-AGM) (a)	5.00%	06/15/36	4,640	4,771,498
				10,109,898

Virginia 1.72%

Richmond (City of) Metropolitan Authority; Series 2002, Ref. Expressway RB (INS-NATL) (a)	5.25%	07/15/22	3,000	3,283,350
Roanoke (City of) Economic Development Authority (Carilion Clinic Obligated Group); Series 2010, Ref. Hospital RB	5.00%	07/01/33	1,000	980,310
Roanoke (City of) Industrial Development Authority (Carilion Health System Obligated Group); Series 2005 B, Hospital RB (INS-AGM) (a)	5.00%	07/01/38	1,000	978,890
				5,242,550

Washington 8.88%

Cowlitz (County of) Public Utility District No. 1; Series 2006, Production System RB (INS-NATL) (a)	5.00%	09/01/31	6,000	6,045,000
King (County of); Series 2001, Ref. Sewer RB (INS-NATL) (a)	5.00%	01/01/31	3,000	3,004,320

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Income Trust

	Interest Rate	Maturity Date	Principal Amount (000)	Value
Washington (continued)				
Seattle (City of); Series 2003, Ref. Water System RB (INS-NATL) ^(a)	5.00%	09/01/23	\$ 2,870	\$ 3,057,123
Spokane County School District No. 81; Series 2005, Conv. Deferred Interest Unlimited Tax GO Bonds (INS-NATL) ^(a)	5.13%	12/01/23	2,500	2,679,250
Washington (State of) Health Care Facilities Authority (Kadlec Medical Center); Series 2006 A, RB (INS-AGC) ^(a)	5.00%	12/01/30	2,000	1,952,540
Washington (State of); Series 2004 F, Motor Vehicle Fuel Unlimited Tax CAB GO Bonds (INS-AMBAC) ^{(a)(b)}	0.00%	12/01/29	4,300	1,753,798
Series 2010 A, Various Purpose Unlimited Tax GO Bonds ^(c)	5.00%	08/01/29	3,895	4,168,079
Series 2010 A, Various Purpose Unlimited Tax GO Bonds ^(c)	5.00%	08/01/30	4,095	4,361,544
				27,021,654
West Virginia 1.57%				
West Virginia (State of) Economic Development Authority (Appalachian Power Co. Amos); Series 2010 A, Ref. Solid Waste Disposal Facilities RB ^(h)	5.38%	12/01/38	1,800	1,763,298
West Virginia (State of) Water Development Authority (Loan Program II); Series 2003 B, Ref. RB (INS-AMBAC) ^(a)	5.25%	11/01/23	2,900	3,021,916
				4,785,214
Wisconsin 0.84%				
Wisconsin (State of); Series 2009 A, General Fund Annual Appropriation RB	5.63%	05/01/28	2,335	2,567,776
TOTAL INVESTMENTS ^(j) 150.62% (Cost \$448,802,069)				458,400,382
Floating Rate Note Obligations (24.16)%				
Notes with interest rates ranging from 0.16% to 0.31% at 05/31/11 and contractual maturities of collateral ranging from 01/01/22 to 10/01/37 (See				(73,520,000)

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Note 1D) ^(k)

OTHER ASSETS LESS LIABILITIES	0.50%	1,508,136
PREFERRED SHARES	(26.96)%	(82,050,000)
NET ASSETS APPLICABLE TO COMMON SHARES	100.00%	\$ 304,338,518

Investment Abbreviations:

AGC	Assured Guaranty Corp.
AGM	Assured Guaranty Municipal Corp.
AMBAC	American Municipal Bond Assurance Corp.*
BHAC	Berkshire Hathaway Assurance Corp.
CAB	Capital Appreciation Bonds
CEP	Credit Enhancement Provider
Conv.	Convertible
COP	Certificates of Participation
FGIC	Financial Guaranty Insurance Co.
FHA	Federal Housing Administration
FTA	Federal Transit Administration
GO	General Obligation
INS	Insurer
NATL	National Public Finance Guarantee Corp.
PCR	Pollution Control Revenue Bonds
PILOT	Payment-in-Lieu-of-Tax
RAB	Revenue Anticipation Bonds
RB	Revenue Bonds
Ref.	Refunding
Sec.	Secured
SGI	Syncora Guarantee, Inc.
Sr.	Senior
Sub.	Subordinated
VRD	Variable Rate Demand

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Income Trust

Notes to Schedule of Investments:

- (a) Principal and/or interest payments are secured by the bond insurance company listed.
- (b) Zero coupon bond issued at a discount.
- (c) Underlying security related to Dealer Trusts entered into by the Trust. See Note 1D.
- (d) Advance refunded; secured by an escrow fund of U.S. Government obligations or other highly rated collateral.
- (e) Security has an irrevocable call by the issuer or mandatory put by the holder. Maturity date reflects such call or put.
- (f) Demand security payable upon demand by the Trust at specified time intervals no greater than thirteen months. Interest rate is redetermined periodically. Rate shown is the rate in effect on May 31, 2011.
- (g) Security subject to the alternative minimum tax.
- (h) Interest or dividend rate is redetermined periodically. Rate shown is the rate in effect on May 31, 2011.
- (i) Security is subject to a shortfall agreement which may require the Trust to pay amounts to a counterparty in the event of a significant decline in the market value of the security underlying the Dealer Trusts. In case of a shortfall, the maximum potential amount of payments the Trust could ultimately be required to make under the agreement is \$7,590,000. However, such shortfall payment would be reduced by the proceeds from the sale of the security underlying the Dealer Trusts.
- (j) This table provides a listing of those entities that have either issued, guaranteed, backed or otherwise enhanced the credit quality of more than 5% of the securities held in the portfolio. In instances where the entity has guaranteed, backed or otherwise enhanced the credit quality of a security, it is not primarily responsible for the issuer's obligations but may be called upon to satisfy the issuer's obligations.

Entities	Percentage
National Public Finance Guarantee Corp.	32.9%
Assured Guaranty Municipal Corp.	24.3
American Municipal Bond Assurance Corp.*	11.0
Assured Guaranty Corp.	6.8

- (k) Floating rate note obligations related to securities held. The interest rates shown reflect the rates in effect at May 31, 2011. At May 31, 2011, the Trust's investments with a value of \$123,932,976 are held by Dealer Trusts and serve as collateral for the \$73,520,000 in the floating rate note obligations outstanding at that date.

* AMBAC filed for bankruptcy on November 8, 2010.

See accompanying notes which are an integral part of this schedule.

Invesco Insured Municipal Income Trust

Notes to Quarterly Schedule of Portfolio Holdings

May 31, 2011

(Unaudited)

NOTE 1 Significant Accounting Policies

A. Security Valuations Securities, including restricted securities, are valued according to the following policy.

Securities are fair valued using an evaluated quote provided by an independent pricing service approved by the Board of Trustees. Evaluated quotes provided by the pricing service may be determined without exclusive reliance on quoted prices and may reflect appropriate factors such as institution-size trading in similar groups of securities, yield, quality, coupon rate, maturity, type of issue, individual trading characteristics and other market data. Short-term obligations, including commercial paper, having 60 days or less to maturity are recorded at amortized cost which approximates value. Securities with a demand feature exercisable within one to seven days are valued at par. Debt securities are subject to interest rate and credit risks. In addition, all debt securities involve some risk of default with respect to interest and principal payments.

Securities for which market quotations either are not readily available or are unreliable are valued at fair value as determined in good faith by or under the supervision of the Trust's officers following procedures approved by the Board of Trustees. Some of the factors which may be considered in determining fair value are fundamental analytical data relating to the investment; the nature and duration of any restrictions on transferability or disposition; trading in similar securities by the same issuer or comparable companies; relevant political, economic or issuer specific news; and other relevant factors under the circumstances.

Valuations change in response to many factors including the historical and prospective earnings of the issuer, the value of the issuer's assets, general economic conditions, interest rates, investor perceptions and market liquidity. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

B. Securities Transactions and Investment Income Securities transactions are accounted for on a trade date basis.

Realized gains or losses on sales are computed on the basis of specific identification of the securities sold. Interest income is recorded on the accrual basis from settlement date. Dividend income (net of withholding tax, if any) is recorded on the ex-dividend date. Bond premiums and discounts are amortized and/or accreted for financial reporting purposes.

The Trust may periodically participate in litigation related to Trust investments. As such, the Trust may receive proceeds from litigation settlements. Any proceeds received are included in the Statement of Operations as realized gain (loss) for investments no longer held and as unrealized gain (loss) for investments still held.

Brokerage commissions and mark ups are considered transaction costs and are recorded as an increase to the cost basis of securities purchased and/or a reduction of proceeds on a sale of securities. Such transaction costs are included in the determination of net realized and unrealized gain (loss) from investment securities reported in the Statement of Operations and the Statement of Changes in Net Assets and the net realized and unrealized gains (losses) on securities per share in the Financial Highlights. Transaction costs are included in the calculation of the Trust's net asset value and, accordingly, they reduce the Trust's total returns. These transaction costs are not considered operating expenses and are not reflected in net investment income reported in the Statement of Operations and Statement of Changes in Net Assets, or the net investment income per share and ratios of expenses and net investment income reported in the Financial Highlights, nor are they limited by any expense limitation arrangements between the Trust and the investment adviser.

C. Country Determination For the purposes of making investment selection decisions and presentation in the Schedule of Investments, the investment adviser may determine the country in which an issuer is located and/or credit risk exposure based on various factors. These factors include the laws of the country under which the issuer is organized, where the issuer maintains a principal office, the country in which the issuer derives 50% or more of its total revenues and the country that has the primary market for the issuer's securities, as well as other criteria. Among the other criteria that may be evaluated for making this determination are the country in which the issuer maintains 50% or more of its assets, the type of security, financial guarantees and enhancements, the nature of the collateral and the sponsor organization. Country of issuer and/or credit risk exposure has been determined to be

the United States of America, unless otherwise noted.

Invesco Insured Municipal Income Trust

D. Floating Rate Note Obligations The Trust invests in inverse floating rate securities, such as Residual Interest Bonds (RIBs) or Tender Option Bonds (TOBs) for investment purposes and to enhance the yield of the Trust. Inverse floating rate investments tend to underperform the market for fixed rate bonds in a rising interest rate environment, but tend to outperform the market for fixed rate bonds when interest rates decline or remain relatively stable. Such transactions may be purchased in the secondary market without first owning the underlying bond or by the sale of fixed rate bonds by the Trust to special purpose trusts established by a broker dealer (Dealer Trusts) in exchange for cash and residual interests in the Dealer Trusts' assets and cash flows, which are in the form of inverse floating rate securities. The Dealer Trusts finance the purchases of the fixed rate bonds by issuing floating rate notes to third parties and allowing the Trust to retain residual interest in the bonds. The floating rate notes issued by the Dealer Trusts have interest rates that reset weekly and the floating rate note holders have the option to tender their notes to the Dealer Trusts for redemption at par at each reset date. The residual interests held by the Trust (inverse floating rate investments) include the right of the Trust (1) to cause the holders of the floating rate notes to tender their notes at par at the next interest rate reset date, and (2) to transfer the municipal bond from the Dealer Trusts to the Trust, thereby collapsing the Dealer Trusts.

TOBs are presently classified as private placement securities. Private placement securities are subject to restrictions on resale because they have not been registered under the Securities Act of 1933, as amended or are otherwise not readily marketable. As a result of the absence of a public trading market for these securities, they may be less liquid than publicly traded securities. Although these securities may be resold in privately negotiated transactions, the prices realized from these sales could be less than those originally paid by the Trust or less than what may be considered the fair value of such securities.

The Trust accounts for the transfer of bonds to the Dealer Trusts as secured borrowings, with the securities transferred remaining in the Trust's investment assets, and the related floating rate notes reflected as Trust liabilities under the caption *Floating rate note obligations* on the Statement of Assets and Liabilities. The Trust records the interest income from the fixed rate bonds under the caption *Interest* and records the expenses related to floating rate obligations and any administrative expenses of the Dealer Trusts a component of *Interest, facilities and maintenance fees* on the Statement of Operations.

The Trust generally invests in inverse floating rate securities that include embedded leverage, thus exposing the Trust to greater risks and increased costs. The primary risks associated with inverse floating rate securities are varying degrees of liquidity and the changes in the value of such securities in response to changes in market rates of interest to a greater extent than the value of an equal principal amount of a fixed rate security having similar credit quality, redemption provisions and maturity which may cause the Trust's net asset value to be more volatile than if it had not invested in inverse floating rate securities. In certain instances, the short-term floating rate interests created by the special purpose trust may not be able to be sold to third parties or, in the case of holders tendering (or putting) such interests for repayment of principal, may not be able to be remarketed to third parties. In such cases, the special purpose trust holding the long-term fixed rate bonds may be collapsed. In the case of RIBs or TOBs created by the contribution of long-term fixed income bonds by the Trust, the Trust will then be required to repay the principal amount of the tendered securities. During times of market volatility, illiquidity or uncertainty, the Trust could be required to sell other portfolio holdings at a disadvantageous time to raise cash to meet that obligation.

E. Other Risks The value of, payment of interest on, repayment of principal for and the ability to sell a municipal security may be affected by constitutional amendments, legislative enactments, executive orders, administrative regulations, voter initiatives and the economics of the regions in which the issuers are located.

Since, many municipal securities are issued to finance similar projects, especially those relating to education, health care, transportation and utilities, conditions in those sectors can affect the overall municipal securities market and a Trust's investments in municipal securities.

There is some risk that a portion or all of the interest received from certain tax-free municipal securities could become taxable as a result of determinations by the Internal Revenue Service.

Invesco Insured Municipal Income Trust

NOTE 2 Additional Valuation Information

Generally Accepted Accounting Principles (GAAP) defines fair value as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date, under current market conditions. GAAP establishes a hierarchy that prioritizes the inputs to valuation methods giving the highest priority to readily available unadjusted quoted prices in an active market for identical assets (Level 1) and the lowest priority to significant unobservable inputs (Level 3) generally when market prices are not readily available or are unreliable. Based on the valuation inputs, the securities or other investments are tiered into one of three levels. Changes in valuation methods may result in transfers in or out of an investment s assigned level:

Level 1	Prices are determined using quoted prices in an active market for identical assets.
Level 2	Prices are determined using other significant observable inputs. Observable inputs are inputs that other market participants may use in pricing a security. These may include quoted prices for similar securities, interest rates, prepayment speeds, credit risk, yield curves, loss severities, default rates, discount rates, volatilities and others.
Level 3	Prices are determined using significant unobservable inputs. In situations where quoted prices or observable inputs are unavailable (for example, when there is little or no market activity for an investment at the end of the period), unobservable inputs may be used. Unobservable inputs reflect the Trust s own assumptions about the factors market participants would use in determining fair value of the securities or instruments and would be based on the best available information.

The following is a summary of the tiered valuation input levels, as of May 31, 2011. The level assigned to the securities valuations may not be an indication of the risk or liquidity associated with investing in those securities. Because of the inherent uncertainties of valuation, the values reflected in the financial statements may materially differ from the value received upon actual sale of those investments.

During the three months ended May 31, 2011, there were no significant transfers between investment levels.

	Level 1	Level 2	Level 3	Total
Municipal Obligations	\$	\$458,400,382	\$	\$458,400,382

NOTE 3 Investment Securities

The aggregate amount of investment securities (other than short-term securities, U.S. Treasury obligations and money market funds, if any) purchased and sold by the Trust during the three months ended May 31, 2011 was \$10,209,704 and \$15,108,747, respectively. Cost of investments on a tax basis includes the adjustments for financial reporting purposes as of the most recently completed Federal income tax reporting period-end.

Unrealized Appreciation (Depreciation) of Investment Securities on a Tax Basis

Aggregate unrealized appreciation of investment securities	\$16,669,599
Aggregate unrealized (depreciation) of investment securities	(6,611,812)
Net unrealized appreciation of investment securities	\$10,057,787

Cost of investments for tax purposes is \$448,342,595.

Invesco Insured Municipal Income Trust

Item 2. Controls and Procedures.

- (a) As of June 10, 2011, an evaluation was performed under the supervision and with the participation of the officers of the Registrant, including the Principal Executive Officer (PEO) and Principal Financial Officer (PFO), to assess the effectiveness of the Registrant s disclosure controls and procedures, as that term is defined in Rule 30a-3(c) under the Investment Company Act of 1940 (Act), as amended. Based on that evaluation, the Registrant s officers, including the PEO and PFO, concluded that, as of June 10, 2011, the Registrant s disclosure controls and procedures were reasonably designed so as to ensure: (1) that information required to be disclosed by the Registrant on Form N-Q is recorded, processed, summarized and reported within the time periods specified by the rules and forms of the Securities and Exchange Commission; and (2) that material information relating to the Registrant is made known to the PEO and PFO as appropriate to allow timely decisions regarding required disclosure.
- (b) There have been no changes in the Registrant s internal control over financial reporting (as defined in Rule 30a-3(d) under the Act) that occurred during the Registrant s last fiscal quarter that have materially affected, or are reasonably likely to materially affect, the Registrant s internal control over financial reporting.

Item 3. Exhibits.

Certifications of PEO and PFO as required by Rule 30a-2(a) under the Investment Company Act of 1940.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934 and the Investment Company Act of 1940, the Registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

Registrant: Invesco Insured Municipal Income Trust

By: /s/ Philip A. Taylor
Philip A. Taylor
Principal Executive Officer

Date: July 29, 2011

Pursuant to the requirements of the Securities and Exchange Act of 1934 and the Investment Company Act of 1940, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated.

By: /s/ Philip A. Taylor
Philip A. Taylor
Principal Executive Officer

Date: July 29, 2011

By: /s/ Sheri Morris
Sheri Morris
Principal Financial Officer

Date: July 29, 2011

EXHIBIT INDEX

Certifications of Principal Executive Officer (PEO) and Principal Financial Officer (PFO) as required by Rule 30a-2(a) under the Investment Company Act of 1940, as amended.