

RESEARCH

Millennium Health CLO Exposure

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Manager	Issuer Bal	Count
Invesco Inc.	55,337,524	10
Ares Management, LLC	49,424,192	12
Symphony Asset Management LLC	41,803,190	8
3i Group plc	37,349,146	8
Voya Investment Management (ING)	35,449,445	12
Sound Point Capital Management LP	27,289,768	7
THL Credit Senior Loan Strategies LLC	24,807,368	7
Brigade Capital Management LLC	20,785,025	5
Crescent Capital Group LP	20,698,741	6
MJX Asset Management LLC	20,317,444	11
Trimaran Advisors LLC	19,854,925	5
H.I.G. WhiteHorse Capital LLC	16,364,924	5
Och-Ziff Loan Management LP	14,194,373	11
Kramer Van Kirk Credit Strategies LP	12,887,556	4
OakTree Capital Management LLC	11,823,269	7
CVC Credit Partners LLC	11,495,973	11
Marathon Asset Management LP	10,432,444	4
Triumph Capital Advisors LLC	10,400,000	3
Tall Tree Investment Management LLC	9,412,450	3
BlackRock Financial Management	9,317,700	7
Credit Value Partners, LP	8,910,000	2
ZAIS Group Inc.	7,950,000	3
New York Life Investment Management LLC	7,927,481	6
TCW Asset Management Company	7,194,332	3
BNP Paribas	6,937,444	2
Cutwater Investor Services	6,937,444	2
AEGON USA Investment Management, LLC	6,931,241	4
MidOcean Credit Fund Management LP	6,870,150	3
American Capital Asset Management LLC	6,867,354	5
Feingold O'Keeffe	6,435,000	3
Steele Creek Investment Management	4,968,719	2
Canaras Capital Management, LLC	4,957,481	2
Allstate Investment Management Company	4,950,000	1
Eaton Vance Management	4,826,250	2
Sound Harbor Partners LLC	4,455,000	1
Franklin Advisors Inc.	3,745,237	1
HarbourView Asset Management Corp.	3,002,381	1
KCAP Financial	2,977,444	1
Saratoga Investment Corp	1,485,000	1
Grand Total	567,773,415	191

Source: Moody's Analytics Structured Finance Portal

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CLO	Percent of Deal	Manager
A Voce CLO, Ltd.	1.16	Invesco Inc.
ACAS CLO 2012-1, Ltd.	0.22	American Capital Asset Management LLC
ACAS CLO 2013-2, LTD.	0.24	American Capital Asset Management LLC
ACAS CLO 2014-1, Ltd	0.28	American Capital Asset Management LLC
ACAS CLO 2014-2, Ltd.	0.38	American Capital Asset Management LLC
ACAS CLO 2015-1, Ltd.	0.37	American Capital Asset Management LLC
Aimco CLO, Series 2014-A	0.91	Allstate Investment Management Company
Apidos CLO IX	0.15	CVC Credit Partners LLC
Apidos CLO X	0.15	CVC Credit Partners LLC
Apidos CLO XI	0.15	CVC Credit Partners LLC
Apidos CLO XII	0.18	CVC Credit Partners LLC
Apidos CLO XIV	0.19	CVC Credit Partners LLC
Apidos CLO XIX	0.42	CVC Credit Partners LLC
Apidos CLO XV	0.18	CVC Credit Partners LLC
Apidos CLO XVI	0.16	CVC Credit Partners LLC
Apidos CLO XVII	0.22	CVC Credit Partners LLC
Apidos CLO XVIII	0.20	CVC Credit Partners LLC
Apidos CLO XX	0.25	CVC Credit Partners LLC
Ares Enhanced Loan Investment Strategy IR, Ltd	0.68	Ares Management, LLC
Ares XXIII CLO Ltd.	0.63	Ares Management, LLC
Ares XXIV CLO Ltd.	0.66	Ares Management, LLC
Ares XXIX CLO Ltd.	0.78	Ares Management, LLC
Ares XXV CLO Ltd.	0.69	Ares Management, LLC
Ares XXVI CLO Ltd.	0.69	Ares Management, LLC
Ares XXVII CLO, Ltd.	0.76	Ares Management, LLC
Ares XXVIII CLO, Ltd.	0.69	Ares Management, LLC
Ares XXX CLO Ltd.	0.84	Ares Management, LLC
Ares XXXI CLO Ltd.	0.74	Ares Management, LLC
Ares XXXII CLO, Ltd	0.79	Ares Management, LLC
Ares XXXIII CLO Ltd.	0.76	Ares Management, LLC
Atlas Senior Loan Fund II, Ltd.	0.62	Crescent Capital Group LP
Atlas Senior Loan Fund III, Ltd.	0.63	Crescent Capital Group LP
Atlas Senior Loan Fund IV, Ltd.	0.64	Crescent Capital Group LP
Atlas Senior Loan Fund V, Ltd.	1.19	Crescent Capital Group LP
Atlas Senior Loan Fund VI, Ltd.	0.81	Crescent Capital Group LP
Atlas Senior Loan Fund, Ltd.	0.63	Crescent Capital Group LP
Avalon IV Capital, Ltd.	0.73	Invesco Inc.
Battalion CLO III Ltd.	1.22	Brigade Capital Management LLC
Battalion CLO IV Ltd.	0.98	Brigade Capital Management LLC
Battalion CLO V Ltd.	0.98	Brigade Capital Management LLC
Battalion CLO VI Ltd.	0.88	Brigade Capital Management LLC
Battalion CLO VII Ltd.	0.98	Brigade Capital Management LLC
Betony CLO, Ltd.	1.68	Invesco Inc.
Blue Hill CLO, LTD	1.18	Invesco Inc.
BNPP IP CLO 2014-1, Ltd.	1.03	BNP Paribas
BNPP IP CLO 2014-II, Ltd.	0.85	BNP Paribas
Catamaran CLO 2012-1 Ltd	0.99	Trimaran Advisors LLC
Catamaran CLO 2013-1 Ltd	0.67	Trimaran Advisors LLC

CLO	Percent of Deal	Manager
Catamaran CLO 2014-1 Ltd.	1.11	Trimaran Advisors LLC
Catamaran CLO 2014-2 Ltd.	0.89	Trimaran Advisors LLC
Catamaran CLO 2015-1 Ltd.	0.89	Trimaran Advisors LLC
Cedar Funding II CLO Ltd.	0.28	AEGON USA Investment Management, LLC
Cedar Funding III CLO, Ltd.	0.66	AEGON USA Investment Management, LLC
Cedar Funding IV CLO, Ltd.	0.31	AEGON USA Investment Management, LLC
Cedar Funding Ltd.	0.56	AEGON USA Investment Management, LLC
COA Summit CLO Ltd.	0.92	3i Group plc
Cutwater 2014-I, Ltd.	0.98	Cutwater Investor Services
Cutwater 2014-II, Ltd.	0.74	Cutwater Investor Services
CVP Cascade CLO - 1 LTD	1.00	Credit Value Partners, LP
CVP Cascade CLO - 2 Ltd	1.01	Credit Value Partners, LP
Eaton Vance CLO 2013-1, Ltd	0.23	Eaton Vance Management
Eaton Vance CLO 2014-1, Ltd.	0.79	Eaton Vance Management
Figueroa CLO 2013-1, Ltd	0.64	TCW Asset Management Company
Figueroa CLO 2013-2, Ltd.	0.64	TCW Asset Management Company
Figueroa CLO 2014-1, Ltd.	0.56	TCW Asset Management Company
Flatiron CLO 2007-1 Ltd.	0.36	New York Life Investment Management LLC
Flatiron CLO 2011-1 Ltd.	0.32	New York Life Investment Management LLC
Flatiron CLO 2012-1 Ltd.	0.25	New York Life Investment Management LLC
Flatiron CLO 2013-1 Ltd.	0.26	New York Life Investment Management LLC
Flatiron CLO 2014-1 Ltd.	0.52	New York Life Investment Management LLC
Flatiron CLO 2015-1, Ltd.	0.53	New York Life Investment Management LLC
Fraser Sullivan CLO VII Ltd.	0.85	3i Group plc
Harbourview CLO VII, Ltd.	0.75	HarbourView Asset Management Corp.
Hull Street CLO, Ltd.	0.58	Feingold O'Keeffe
Jamestown CLO I Ltd.	0.83	3i Group plc
Jamestown CLO II Ltd.	0.73	3i Group plc
Jamestown CLO III Ltd.	0.83	3i Group plc
Jamestown CLO IV Ltd.	1.28	3i Group plc
Jamestown CLO V Ltd.	0.98	3i Group plc
Jamestown CLO VI, Ltd.	0.92	3i Group plc
KCAP Senior Funding I, LLC	1.55	KCAP Financial
KVK CLO 2014-1 Ltd.	0.70	Kramer Van Kirk Credit Strategies LP
KVK CLO 2014-2 Ltd.	0.31	Kramer Van Kirk Credit Strategies LP
KVK CLO 2014-3 Ltd.	0.61	Kramer Van Kirk Credit Strategies LP
KVK CLO 2015-1 Ltd.	0.66	Kramer Van Kirk Credit Strategies LP
Limerock CLO II, Ltd.	1.22	Invesco Inc.
Limerock CLO III, Ltd.	1.72	Invesco Inc.
Lockwood Grove CLO, Ltd.	0.62	Tall Tree Investment Management LLC
Longfellow Place CLO Ltd	0.29	Feingold O'Keeffe
Magnetite IX, Limited	0.27	BlackRock Financial Management
Magnetite VI Ltd.	0.27	BlackRock Financial Management
Magnetite VII Ltd.	0.27	BlackRock Financial Management
Magnetite VIII, Limited	0.27	BlackRock Financial Management
Magnetite XI, Limited	0.27	BlackRock Financial Management
Magnetite XII, Ltd.	0.40	BlackRock Financial Management
Magnetite XIV Ltd.	0.02	BlackRock Financial Management

CLO	Percent of Deal	Manager
Marathon CLO V Ltd.	0.48	Marathon Asset Management LP
Marathon CLO VI Ltd.	0.61	Marathon Asset Management LP
Marathon CLO VII Ltd.	0.66	Marathon Asset Management LP
Marathon CLO VIII Ltd.	0.33	Marathon Asset Management LP
Marea CLO, Ltd.	0.81	Invesco Inc.
MidOcean Credit CLO I	0.60	MidOcean Credit Fund Management LP
MidOcean Credit CLO II	0.56	MidOcean Credit Fund Management LP
MidOcean Credit CLO III	0.44	MidOcean Credit Fund Management LP
Muir Woods CLO, Ltd.	1.33	Franklin Advisors Inc.
Nelder Grove CLO, Ltd.	0.99	Tall Tree Investment Management LLC
Nomad CLO, Ltd.	0.80	Invesco Inc.
North End CLO, Ltd.	0.80	Invesco Inc.
Oaktree CLO 2014-1 Ltd.	0.30	OakTree Capital Management LLC
Oaktree CLO 2014-2 Ltd.	0.30	OakTree Capital Management LLC
Oaktree EIF II Series A1, Ltd.	0.63	OakTree Capital Management LLC
Oaktree EIF II Series B1, Ltd.	0.51	OakTree Capital Management LLC
Oaktree Enhanced Income Funding Series I, Ltd.	0.11	OakTree Capital Management LLC
Oaktree Enhanced Income Funding Series II, Ltd.	0.11	OakTree Capital Management LLC
Oaktree Enhanced Income Funding Series III, Ltd.	0.11	OakTree Capital Management LLC
OZLM Funding II, Ltd.	0.15	Och-Ziff Loan Management LP
OZLM Funding III, Ltd.	0.17	Och-Ziff Loan Management LP
OZLM Funding IV, Ltd.	0.15	Och-Ziff Loan Management LP
OZLM Funding V, Ltd.	0.18	Och-Ziff Loan Management LP
OZLM Funding, Ltd.	0.16	Och-Ziff Loan Management LP
OZLM IX, Ltd.	0.23	Och-Ziff Loan Management LP
OZLM VI, Ltd.	0.23	Och-Ziff Loan Management LP
OZLM VII, Ltd.	0.15	Och-Ziff Loan Management LP
OZLM VIII, LTD.	0.16	Och-Ziff Loan Management LP
OZLM XI, Ltd.	0.13	Och-Ziff Loan Management LP
OZLM XII Ltd.	0.89	Och-Ziff Loan Management LP
Saranac CLO II Limited	0.86	Canaras Capital Management, LLC
Saranac CLO III Limited	0.51	Canaras Capital Management, LLC
Saratoga Investment Corp CLO 2013-1, Ltd	0.49	Saratoga Investment Corp
Sound Harbor Loan Fund 2014-1 Ltd.	0.99	Sound Harbor Partners LLC
Sound Point CLO I, Ltd	0.54	Sound Point Capital Management LP
Sound Point CLO II, Ltd.	0.53	Sound Point Capital Management LP
Sound Point CLO III, Ltd.	0.42	Sound Point Capital Management LP
Sound Point CLO IV, Ltd.	0.50	Sound Point Capital Management LP
Sound Point CLO V, Ltd.	0.99	Sound Point Capital Management LP
Sound Point CLO VII, Ltd.	0.98	Sound Point Capital Management LP
Sound Point CLO VIII, Ltd.	1.24	Sound Point Capital Management LP
Staniford Street CLO, Ltd.	0.49	Feingold O'Keeffe
Steele Creek CLO 2014-1, Ltd.	0.62	Steele Creek Investment Management
Steele Creek CLO 2015-1, Ltd.	0.73	Steele Creek Investment Management
Symphony CLO IX Limited Partnership	1.04	Symphony Asset Management LLC
Symphony CLO V, Ltd.	1.29	Symphony Asset Management LLC
Symphony CLO VIII Limited Partnership	1.16	Symphony Asset Management LLC
Symphony CLO X, Ltd.	0.98	Symphony Asset Management LLC

CLO	Percent of Deal	Manager
Symphony CLO XI Limited Partnership	0.62	Symphony Asset Management LLC
Symphony CLO XII, Ltd.	0.62	Symphony Asset Management LLC
Symphony CLO XIV, LTD.	1.09	Symphony Asset Management LLC
Symphony CLO XV, Ltd.	0.82	Symphony Asset Management LLC
THL Credit Wind River 2012-1 CLO Ltd.	0.40	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2013-1 CLO Ltd.	0.45	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2013-2 CLO Ltd.	0.47	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2014-1 CLO Ltd.	1.01	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2014-2 CLO Ltd.	0.82	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2014-3 CLO Ltd.	1.00	THL Credit Senior Loan Strategies LLC
THL Credit Wind River 2015-1 CLO Ltd.	0.67	THL Credit Senior Loan Strategies LLC
Trinitas CLO I, Ltd.	1.01	Triumph Capital Advisors LLC
Trinitas CLO II, Ltd.	1.08	Triumph Capital Advisors LLC
Trinitas CLO III Ltd.	0.50	Triumph Capital Advisors LLC
Tuolumne Grove CLO, Ltd.	0.76	Tall Tree Investment Management LLC
Venture X CLO, Limited	0.25	MJX Asset Management LLC
Venture XI CLO, Limited	0.20	MJX Asset Management LLC
Venture XII CLO, Limited	0.21	MJX Asset Management LLC
Venture XIII CLO, Limited	0.17	MJX Asset Management LLC
Venture XIV CLO, Limited	0.27	MJX Asset Management LLC
Venture XIX CLO, Limited	0.23	MJX Asset Management LLC
VENTURE XV CLO, Limited	0.26	MJX Asset Management LLC
Venture XVI CLO, Limited	0.20	MJX Asset Management LLC
Venture XVII CLO, Limited	0.58	MJX Asset Management LLC
Venture XVIII CLO, Limited	0.66	MJX Asset Management LLC
Venture XX CLO, Limited	0.50	MJX Asset Management LLC
Voya CLO 2012-1, Ltd.	0.64	Voya Investment Management (ING)
Voya CLO 2012-2, Ltd.	0.90	Voya Investment Management (ING)
Voya CLO 2012-3, Ltd.	0.71	Voya Investment Management (ING)
Voya CLO 2012-4, Ltd.	0.78	Voya Investment Management (ING)
Voya CLO 2013-1, Ltd.	0.71	Voya Investment Management (ING)
Voya CLO 2013-2, Ltd.	0.70	Voya Investment Management (ING)
Voya CLO 2013-3, Ltd.	0.54	Voya Investment Management (ING)
Voya CLO 2014-1, Ltd.	0.66	Voya Investment Management (ING)
Voya CLO 2014-2, Ltd.	0.55	Voya Investment Management (ING)
Voya CLO 2014-3, Ltd.	0.39	Voya Investment Management (ING)
Voya CLO 2014-4, Ltd.	0.60	Voya Investment Management (ING)
Voya CLO 2015-1, Ltd.	0.51	Voya Investment Management (ING)
Wasatch CLO Ltd.	0.87	Invesco Inc.
WhiteHorse IX, Ltd.	0.99	H.I.G. WhiteHorse Capital LLC
WhiteHorse VI, Ltd.	0.50	H.I.G. WhiteHorse Capital LLC
WhiteHorse VII, Ltd.	0.49	H.I.G. WhiteHorse Capital LLC
Whitehorse VIII, Ltd.	0.81	H.I.G. WhiteHorse Capital LLC
WhiteHorse X, Ltd.	0.82	H.I.G. WhiteHorse Capital LLC
Zais CLO 1, Limited	0.65	ZAIS Group Inc.
ZAIS CLO 2, Limited	0.90	ZAIS Group Inc.
ZAIS CLO 3, Limited	0.75	ZAIS Group Inc.
Grand Total	120	191

Source: Moody's Analytic Structured Finance Portal

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