

# DERIVATIVES – EQUITY AND INDEX OPTIONS

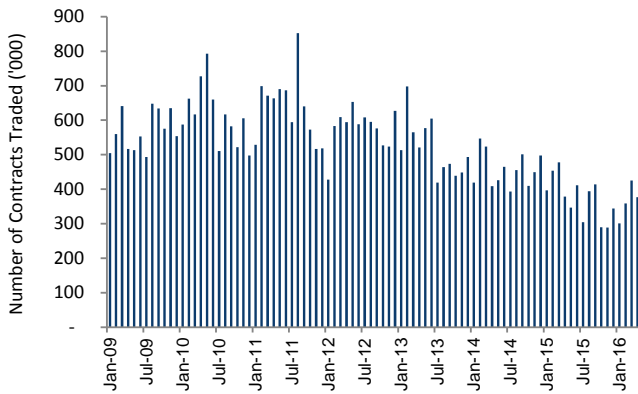
## ASX Options Statistics and Analysis

April 2016

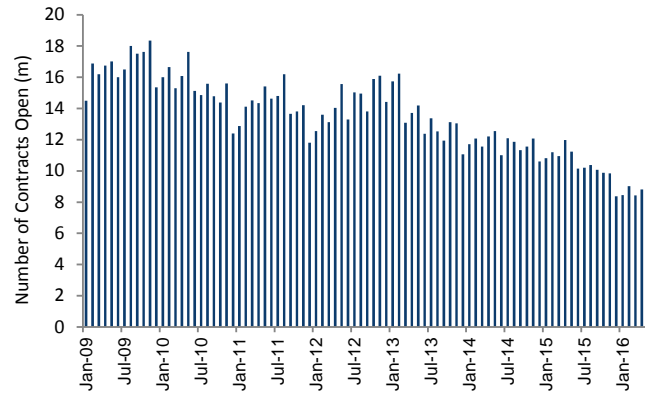


### Average Daily Volume (ADV) and Open Interest (OI)

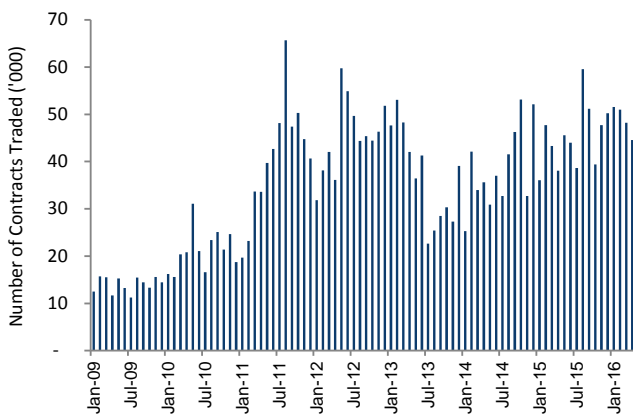
Single Stock Options ADV (adj)



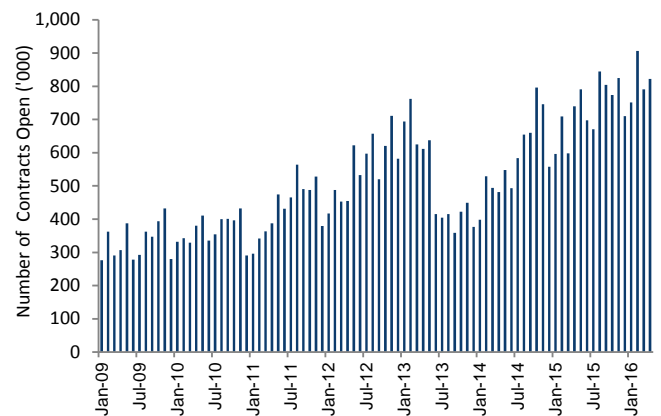
Single Stock Options OI (adj)



XJO Options ADV



XJO Options OI



NOTE: For comparison purposes, Single Stock ETO volumes and Open Interest (OI) were retrospectively adjusted due to the 1,000 to 100 contract size conversion. Single Stock ETO volumes and Open Interest pre-May 2011 were adjusted by a factor of 10.

# DERIVATIVES – EQUITY AND INDEX OPTIONS

April 2016

## Top Classes by Volume

RANK	Apr-16	VOLUME	% MKT	OPEN INTEREST	VOL/OP	SHARE VOLUME	DLR*	PUT/ CALL	Net Calls**	Net Puts**
1	BHP	931,430	11.1%	674,199	138.2%	252,874,000	36.8%	63.5%	-40,741	-12,408
2	XJO	891,755	10.6%	822,001	108.5%	n/a	n/a	133.5%	-19,677	3,500
3	TLS	697,518	8.3%	1,102,478	63.3%	418,227,000	16.7%	48.0%	-21,339	-27,064
4	RIO	534,838	6.3%	249,631	214.3%	62,055,000	86.2%	77.0%	-1,478	-8,541
5	NAB	411,397	4.9%	343,874	119.6%	108,812,000	37.8%	51.4%	-5,470	5,966
6	FMG	405,921	4.8%	416,159	97.5%	452,175,000	9.0%	105.7%	-22,381	24,866
7	CBA	379,837	4.5%	299,271	126.9%	57,357,000	66.2%	101.8%	-4,935	-11,738
8	ANZ	348,495	4.1%	411,017	84.8%	142,635,000	24.4%	85.0%	-18,254	8,817
9	WBC	272,815	3.2%	334,855	81.5%	121,059,000	22.5%	42.4%	-6,675	8,849
10	STO	249,200	3.0%	263,277	94.7%	205,248,000	12.1%	75.5%	-30,590	18,364
11	NCM	237,126	2.8%	241,025	98.4%	70,681,000	33.5%	44.2%	6,464	812
12	QAN	193,161	2.3%	268,669	71.9%	336,799,000	5.7%	81.2%	24,794	-18,951
13	MQG	192,488	2.3%	110,594	174.0%	23,892,000	80.6%	147.1%	3,069	-1,001
14	FXJ	166,168	2.0%	204,823	81.1%	184,457,000	9.0%	24775.4%	-350	-162,100
15	WPL	157,136	1.9%	137,337	114.4%	60,113,000	26.1%	56.2%	-13,136	710
16	WOW	151,194	1.8%	170,761	88.5%	65,919,000	22.9%	57.6%	-1,284	1,951
17	S32	131,392	1.6%	385,516	34.1%	398,098,000	3.3%	31.2%	-15,021	1,565
18	OSH	126,802	1.5%	140,712	90.1%	120,840,000	10.5%	94.2%	1,436	34,868
19	WES	123,617	1.5%	114,228	108.2%	45,432,000	27.2%	62.7%	-5,173	3,011
20	CSL	111,618	1.3%	64,890	172.0%	20,166,000	55.3%	47.7%	-4,499	-645
21	TCL	110,387	1.3%	95,396	115.7%	103,332,000	10.7%	9.0%	1,358	-1,140
22	ORG	96,567	1.1%	240,517	40.1%	161,775,000	6.0%	34.5%	-15,820	-2,782
23	SYD	90,349	1.1%	76,993	117.3%	88,963,000	10.2%	8.0%	-3,644	-2,248
24	GMG	81,402	1.0%	44,259	183.9%	70,775,000	11.5%	0.5%	-217	-350
25	RRL	70,609	0.8%	38,189	184.9%	92,852,000	7.6%	2.9%	-1,172	-1,833
26	SCG	70,450	0.8%	208,369	33.8%	234,669,000	3.0%	5.2%	1,663	-3,433
27	AMP	69,796	0.8%	129,537	53.9%	125,356,000	5.6%	33.6%	-6,386	-1,162
28	VCX	69,788	0.8%	37,611	185.6%	157,482,000	4.4%	0.0%	0	#N/A
29	QBE	68,880	0.8%	113,094	60.9%	78,961,000	8.7%	44.6%	-3,062	1,895
30	AWC	57,930	0.7%	88,621	65.4%	252,567,000	2.3%	57.4%	-5,205	13,245
	Market^	8,428,634	100.0%	9,627,378	87.5%	7,215,620,000	11.7%	66.1%	-45,535	-12,595

\* Derivatives Liquidity Ratio (DLR) is options volume (in shares) / volume of underlying security

\*\* The net calls/puts are the number of options contracts bought minus the number of options contracts sold, excluding Market Makers

^ ETO classes only included

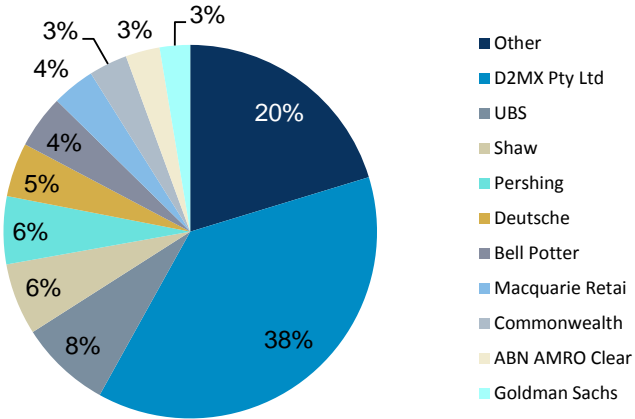
NOTE: Figures for the above charts are double-sided

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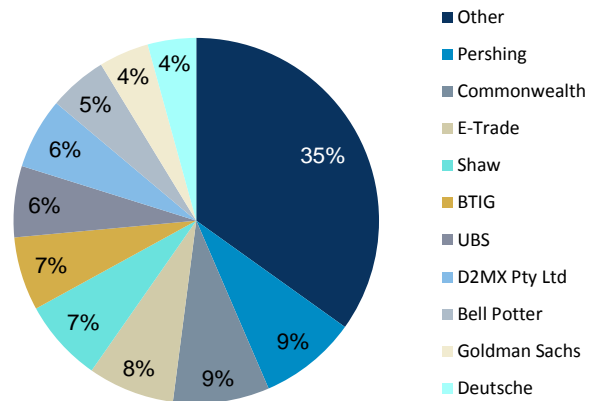
April 2016

## Market Share by Value and Volume Traded

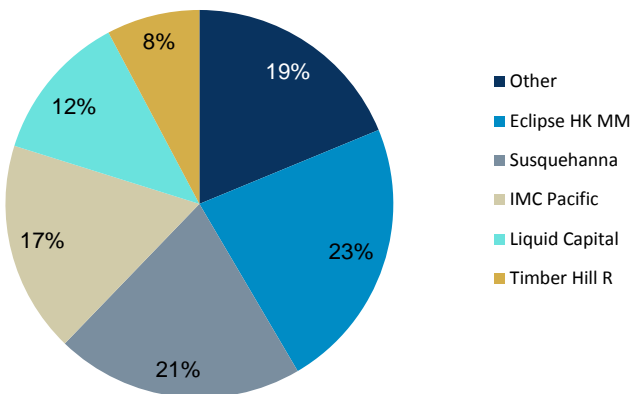
**Top 10 Brokers by Value**



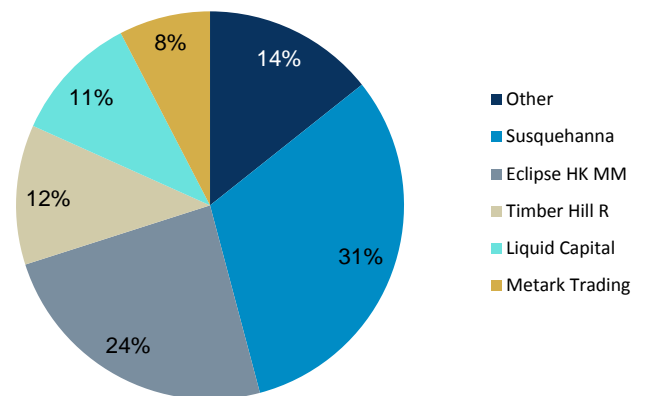
**Top 10 Brokers by Volume**



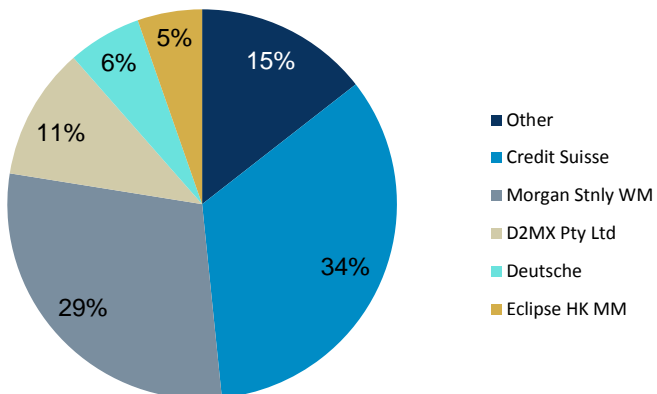
**Top 5 Market Makers by Value**



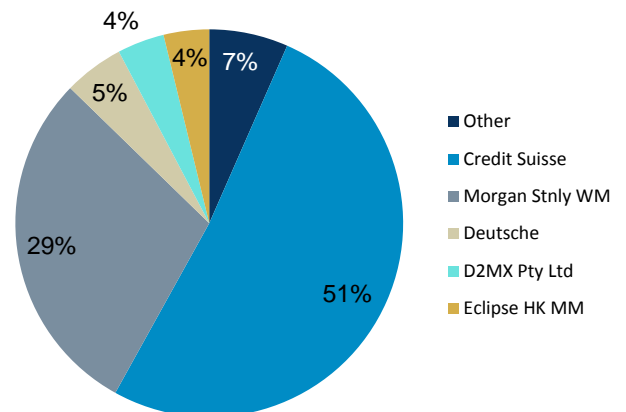
**Top 5 Market Makers by Volume**



**Top 5 LEPO Participants by Value**



**Top 5 LEPO Participants by Volume**

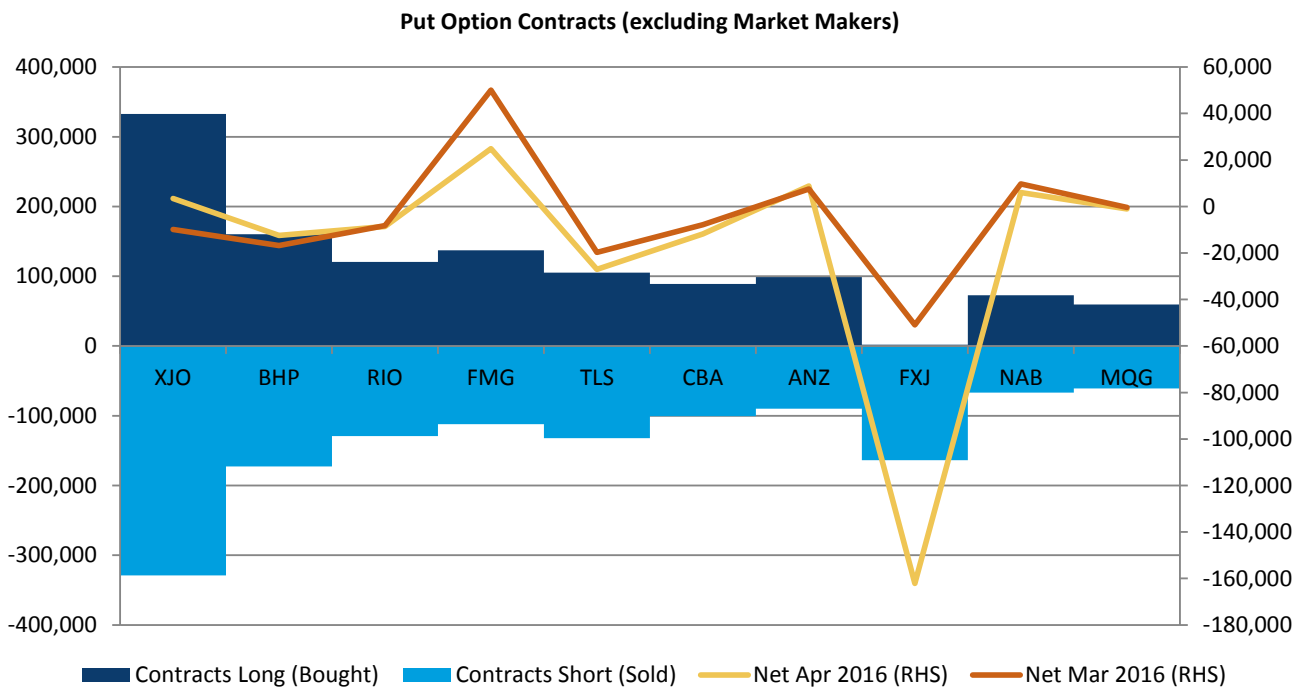
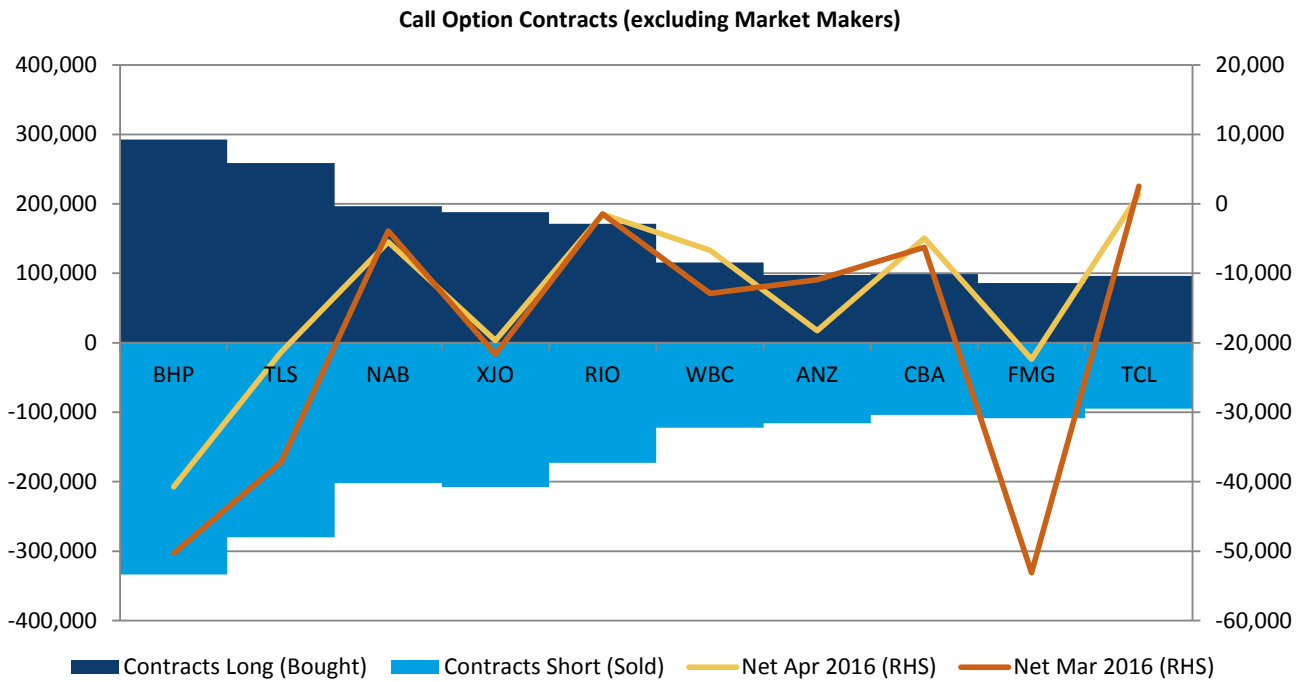


NOTE: The above charts include contracts traded in both Single Stock and Index options  
LEPOs are excluded from these charts

# DERIVATIVES – EQUITY AND INDEX OPTIONS

April 2016

## Top 10 Call and Put Options Contracts

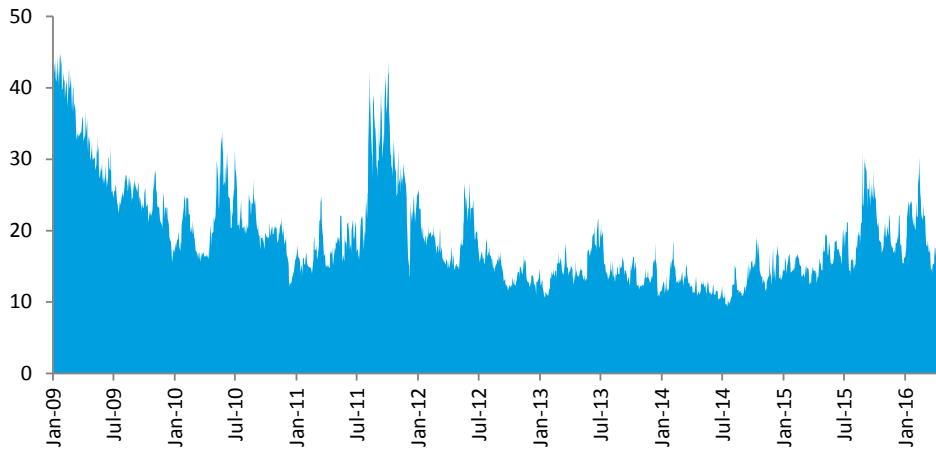


NOTE: The charts above show the number of contracts bought and sold by non-market-making participants in the top 10 underlying securities

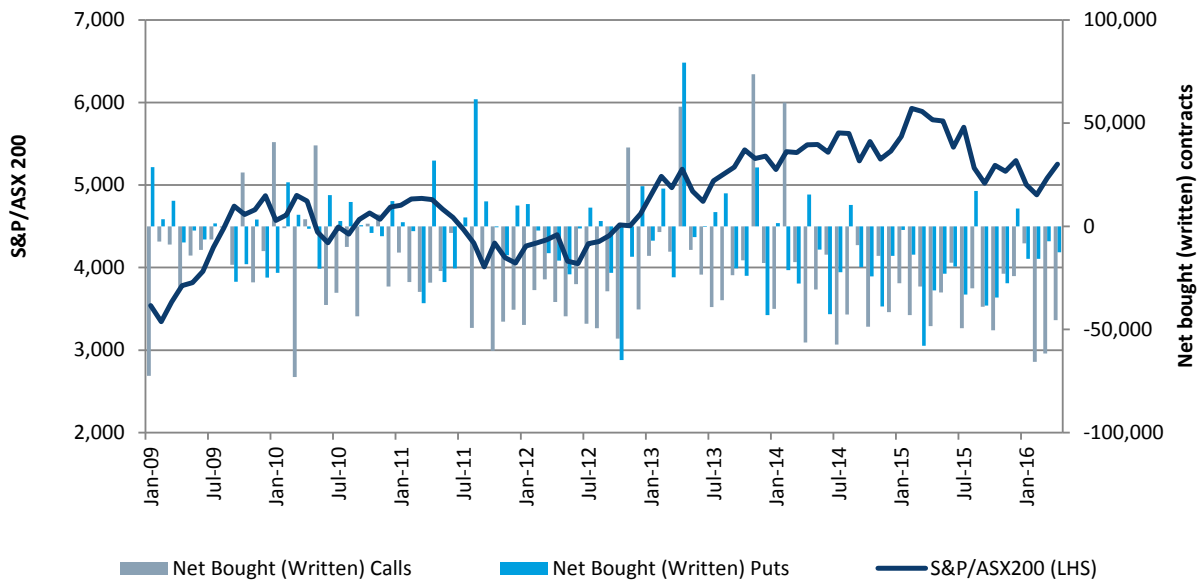
# DERIVATIVES – EQUITY AND INDEX OPTIONS

April 2016

S&P/ASX 200 VIX

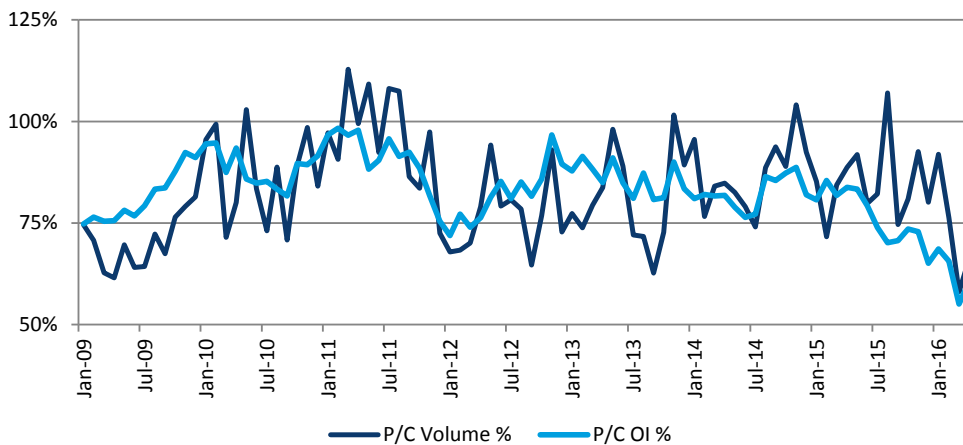


Options Net Buy/Sell Volume (excluding market makers)



NOTE: Single Stock options expressed in terms of 1,000 per contract in above chart.

Put-Call Indicators



# DERIVATIVES – EQUITY AND INDEX OPTIONS

April 2016

## Volume, Value and Open Interest

### Volume

PERIOD	CALL	PUT	TOTAL OPTIONS	EQUITY OPTIONS	EQUITY LEPO	ASX INDEX OPTION	INDEX LEPO
Apr-16	5,074,561	3,354,073	8,428,634	7,110,114	426,765	891,250	505
Mar-16	6,296,864	3,654,711	9,951,575	7,435,070	1,503,443	1,012,065	997
Variance	-19.4%	-8.2%	-15.3%	-4.4%	-71.6%	-11.9%	-49.3%
Apr-15	4,420,103	3,919,169	8,339,272	7,168,817	408,506	761,591	358
Variance	14.8%	-14.4%	1.1%	-0.8%	4.5%	17.0%	41.1%
Cal Yr to date	19,739,079	13,937,708	33,676,787	27,618,633	2,101,468	3,953,694	2,992
Fin Yr to date	46,811,834	37,116,385	83,928,219	69,125,362	4,644,862	10,143,866	14,129

### Value (\$m)

PERIOD	CALL	PUT	TOTAL OPTIONS	EQUITY OPTIONS	EQUITY LEPO	INDEX OPTION	INDEX LEPO
Apr-16	1,324	523	1,847	855	459	507	26
Mar-16	2,425	799	3,224	876	1,517	781	51
Variance	-45.4%	-34.6%	-42.7%	-2.4%	-69.7%	-35.0%	-49.0%
Apr-15	1,901	503	2,404	901	976	506	21
Variance	-30.3%	3.9%	-23.2%	-5.1%	-52.9%	0.1%	23.5%
Cal Yr to date	5,412	3,336	8,748	3,315	2,309	2,972	152
Fin Yr to date	12,808	9,091	21,899	8,439	5,118	7,619	723

### Open Interest

PERIOD	CALL	PUT	TOTAL OPTIONS	EQUITY OPTIONS	EQUITY LEPO	INDEX OPTION	INDEX LEPO
Apr-16	5,993,456	3,633,922	9,627,378	7,716,088	1,089,289	821,937	64
Mar-16	5,944,445	3,272,621	9,217,066	7,338,219	1,087,639	791,141	67
Variance	0.8%	11.0%	4.5%	5.1%	0.2%	3.9%	-4.5%
Apr-15	6,923,952	5,802,358	12,726,310	10,691,315	1,295,039	739,803	153
Variance	-13.4%	-37.4%	-24.4%	-27.8%	-15.9%	11.1%	-58.2%
Cal Yr to date	5,993,456	3,633,922	9,627,378	7,716,088	1,089,289	821,937	64
Fin Yr to date	5,993,456	3,633,922	9,627,378	7,716,088	1,089,289	821,937	64

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### More information

Gregory Pill - Manager, Equity and Equity Derivatives

Phone: +61 2 9227 0696

Email: [Greg.Pill@asx.com.au](mailto:Greg.Pill@asx.com.au)

<http://www.asx.com.au/products/exchange-traded-options.htm>