

CHULARAT HOSPITAL

 THAILAND / HEALTHCARE

CHG TB

BUY

UNCHANGED

Organic operations alive and kicking

- Expect 2Q22 earnings to drop by 36% q-q to THB870m due to the slowdown of Covid revenue, but still exceed 2Q19's level by 540%.
- 3Q22 organic revenue should continue to be healthy; potential upside from possible rate hike for SSO scheme.
- Offers 2023E profit exceeding the pre-Covid level by 103%.

TARGET PRICE	THB4.70
CLOSE	THB3.74
UP/DOWNSIDE	+25.7%
PRIOR TP	THB4.70
CHANGE IN TP	UNCHANGED
TP vs CONSENSUS	+11.3%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	11,742	11,136	7,111	7,563
Net profit	4,204	3,019	1,456	1,658
EPS (THB)	0.38	0.27	0.13	0.15
vs Consensus (%)	-	17.4	6.6	11.1
EBITDA	5,647	4,198	2,294	2,572
Core net profit	4,204	3,019	1,456	1,658
Core EPS (THB)	0.38	0.27	0.13	0.15
Chg. In EPS est. (%)	-	-	-	-
EPS growth (%)	379.6	(28.2)	(51.8)	13.9
Core P/E (x)	9.8	13.6	28.3	24.8
Dividend yield (%)	5.3	4.4	2.1	2.4
EV/EBITDA (x)	6.9	9.1	16.8	14.7
Price/book (x)	5.4	4.9	5.1	4.7
Net debt/Equity (%)	(29.0)	(35.9)	(34.5)	(40.8)
ROE (%)	72.5	37.8	17.7	19.7

Expect 2Q22 organic revenue to exceed pre-Covid by 33%

We expect Covid-related revenue to drop from THB2.0b in 1Q22 to THB1.3b (accounting for c45% of 2Q22E total revenue) due to fewer Covid infection cases. The Covid testing and patient volume should drop by more than half q-q. We estimate this would be replaced by c10,000 home isolation cases/day. On a positive note, organic revenue should exceed the pre-Covid level by 33% via more SSO members (c510k in 2Q22 vs 457k in 2Q21) and strong pent-up demand from non-Covid cash patients. Overall, we estimate total revenue in 2Q22 to drop 20% q-q and core profit to drop 36% q-q to THB870m. However, this would still exceed 2Q19's level by 540%.

Organic revenue to offset the slowdown of Covid revenue in 3Q22

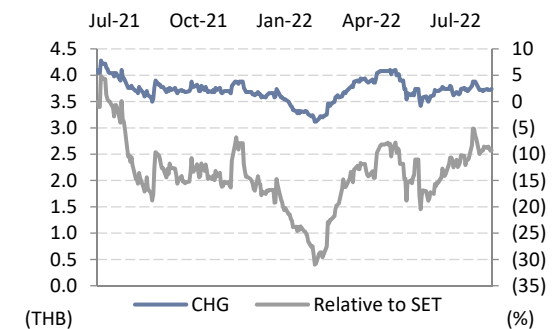
We expect strong organic revenue to grow q-q in 3Q22, led by non-Covid Thai patient revenue following the high season for healthcare and the recovery of international patient revenue (c4% of total revenue), especially from Middle East patients. In addition, though the government recently announced Covid as endemic and revoked home isolation payments for 'green' Covid patients (mild symptoms), CHG can still reimburse for SSO out-patients undergoing self isolation (similar to OPD) at a rate of THB1,300 per case. In addition, CHG also offers self-pay services for Covid patients at cTHB3,000-4,000 per case. We estimate Covid-related revenue contributions to account for 30% in 3Q22.

Earnings upside from SSO's potential payment rate hike

We see a potential upside from SSO revenue, as there is a possibility that the SSO may raise the payment rate in 2H22 or 1H23. The last increase (average of 5%) was in Jan-20 and the SSO normally adjusts the rate every 2-3 years. Ceteris paribus, we estimate that a 5% increase in payment rate would lead to a c6-7% upside to our 2023E core profit.

Trading at a cheaper valuation than peers and historical level

CHG trades at attractive valuation of 28x 2023E P/E. If we exclude its cTHB4.4b (THB0.4/shr) cash on hand and accrued medical income, the valuation would be 25x 2023E P/E, lower than its peers' average of 34x and its own five-year average of 33x, while it offers 2023 earnings which we estimate to exceed the pre-Covid level by 103%.



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	2.7	(8.3)	(7.4)
Relative to country (%)	3.8	(1.1)	(7.9)
Mkt cap (USD m)			1,124
3m avg. daily turnover (USD m)			5.7
Free float (%)			43
Major shareholder		Kannikar Plussind (18%)	
12m high/low (THB)			4.30/3.08
Issued shares (m)			11,000.00

Sources: Bloomberg consensus; FSSIA estimates


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Investment thesis

CHG opened two new hospitals (RPC and 304 Inter) in 2H18 and they contributed an accumulated loss of THB70m in 2020 (8% of 2020 core profit). Both hospitals turned around in 2021, and we estimate that this should lead to an EBITDA margin improvement from 24% in 2019 to 34% in 2024.

CHG's revenue contributions from cash patients have gradually increased. This is another key factor to expand its EBITDA margin, in our view, as cash patients have a higher margin than Social Security Office (SSO) patients.

CHG should report strong earnings growth in 2022, led by the recovery in non-Covid cash patient numbers coupled with Covid-related services, which should become recurring income going forward.

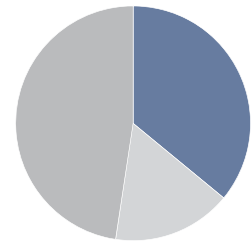
Company profile

CHG operates a healthcare business covering the eastern part of Bangkok and its nearby provinces. The Group owns nine hospitals and four clinics.

www.chularat.com

Principal activities (revenue, 2021)

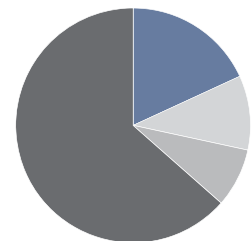
- Cash patient revenue - 36.0 %
- SSO patient revenue - 16.4 %
- NHSO patient revenue - 47.6 %



Source: Chularat Hospital

Major shareholders

- Kannikar Plussind - 18.1 %
- Apirum Panyapol - 10.3 %
- Kobkul Panyapol - 8.1 %
- Others - 63.5 %



Source: Chularat Hospital

Catalysts

Key potential growth drivers include 1) more SSO registered members; 2) rising demand from medical tourists; and 3) an improving EBITDA margin led by new hospitals.

Risks to our call

Downside risks to our DCF-based target price include 1) a slowdown in Thai patient volume due to economic concerns; 2) regulatory risks from drug price and medical bill controls; and 3) SSO provision expenses following limited budgets from the SSO.

Event calendar

Date	Event
Aug 2022	2Q22 results announcement

Key assumptions

	2022E	2023E	2024E
	(%)	(%)	(%)
SSO volume growth	10	(2)	1
SSO revenue / patient growth	1	2	3
OPD volume growth	(3)	5	4
OPD revenue / patient growth	(4)	(5)	4
IPD volume growth	23	9	4
IPD revenue / patient growth	(15)	(5)	4

Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in patient volume, we project 2023 earnings to rise by 2%, and vice versa, all else being equal.
- For every 1% increase in EBITDA margin, we project 2023 earnings to rise by 3%, and vice versa, all else being equal.

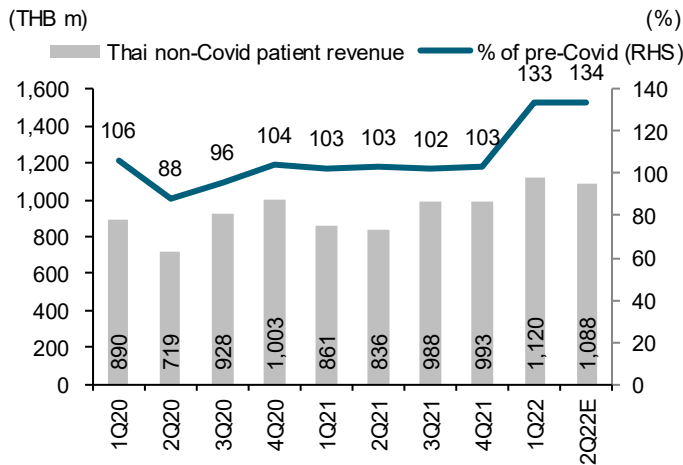
Source: FSSIA estimates

Exhibit 1: 2Q22 results preview

	2Q21	3Q21	4Q21	1Q22	2Q22E	----- Change -----		1H21	1H22E	Change	2022E
	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)	(THB m)
Revenue	2,071	4,390	3,866	3,571	2,868	(20)	38	3,486	6,440	85	11,136
Cost of sales (Incl. depreciation)	(1,206)	(2,159)	(1,523)	(1,702)	(1,619)	(5)	34	(2,201)	(3,321)	51	(6,641)
Gross profit	865	2,232	2,343	1,869	1,249	(33)	44	1,285	3,118	143	4,495
SG&A	(206)	(338)	(117)	(205)	(195)	(5)	(5)	(365)	(399)	9	(1,002)
Operating profit	659	1,893	2,226	1,665	1,054	(37)	60	920	2,719	196	3,493
Other operating income	64	67	69	67	67	0	5	121	134	10	300
Interest income	1	0	1	1	1	0	(4)	1	1	46	10
EBIT	724	1,961	2,295	1,732	1,122	(35)	55	1,042	2,854	174	3,803
Interest expense	(5)	(5)	(5)	(3)	(3)	0	(37)	(11)	(7)	(41)	(7)
EBT	718	1,956	2,290	1,729	1,119	(35)	56	1,031	2,847	176	3,796
Income tax	(143)	(377)	(426)	(341)	(224)	(34)	56	(206)	(565)	174	(726)
Minority interests	0.8	(15)	(51)	(31)	(25)	(21)	<i>nm</i>	3	(56)	<i>n/a</i>	(51)
Core profit	576	1,564	1,813	1,356	870	(36)	51	828	2,226	169	3,019
Net income	576	1,564	1,813	1,356	870	(36)	51	828	2,226	169	3,019
Core EPS (THB)	0.05	0.14	0.16	0.12	0.08	(36)	51	0.08	0.20	169	0.27
No of share (m)	11,000	11,000	11,000	11,000	11,000	0	0	11,000	11,000	0	11,000
Cost (Excl. depreciation)	(1,121)	(2,071)	(1,431)	(1,609)	(1,525)	(5)	36	(2,029)	(3,135)	55	(6,236)
Depreciation & amortisation	(86)	(87)	(92)	(93)	(94)	1	10	(172)	(187)	8	(405)
EBITDA	809	2,048	2,386	1,824	1,215	(33)	50	1,254	6,258	399	4,198
Key ratios	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(%)	(ppt)	(%)
Gross margin	42	51	61	52	44	(9)	2	37	48	12	40
SG&A/Revenue	10	8	3	6	7	1	(3)	10	6	(4)	9
EBITDA margin	39	47	62	51	42	(9)	3	36	97	61	38
Net profit margin	28	36	47	38	30	(8)	3	24	35	11	27
Operating stats	(y-y %)	(y-y %)	(y-y %)	(y-y %)							
SSO revenue	2	(29)	53	4							
SSO registered members ('000)	457	460	464	483							
SSO revenue per head	(0)	(32)	45	(4)							
Cash-OPD revenue	86	29	59	86							
Cash-OPD visit number	51	11	7	34							
Cash-OPD revenue per head	23	16	48	39							
Cash-IPD revenue	40	35	5	70							
Cash-IPD admission number	9	(25)	(25)	20							
Cash-IPD revenue per head	29	80	41	41							

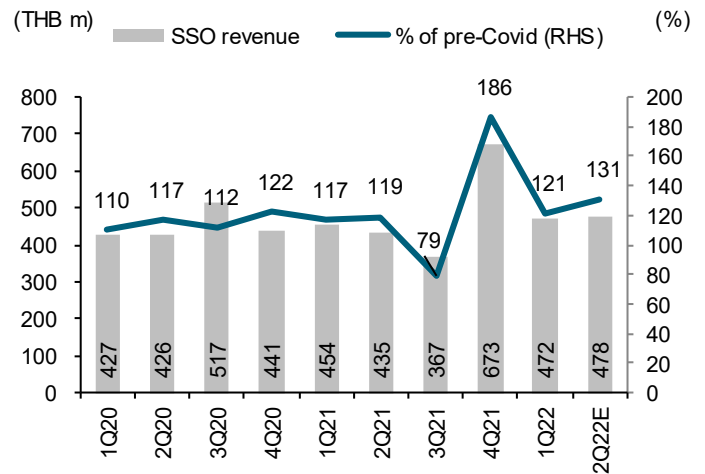
Sources: CHG; FSSIA estimates

Exhibit 2: Non-Covid cash patient revenue



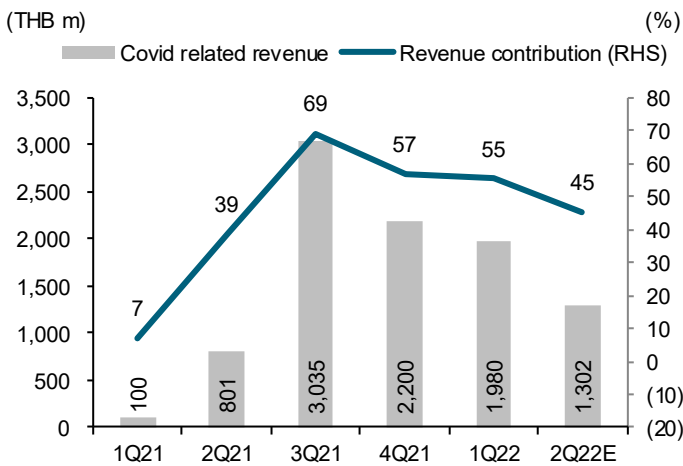
Note: Includes National Health Security Office (NHSO) revenue mainly from Heart Center
Sources: CHG; FSSIA estimates

Exhibit 3: SSO revenue



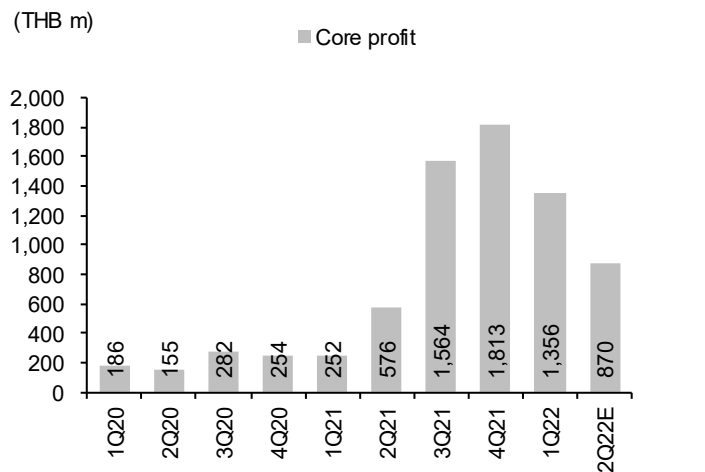
Note: Includes additional gain from chronic disease treatments of THB190m in 4Q21, THB25m in 3Q20, and THB74m in 3Q19
Sources: CHG; FSSIA estimates

Exhibit 4: Covid-related revenue



Sources: CHG; FSSIA estimates

Exhibit 5: Quarterly core profit growth



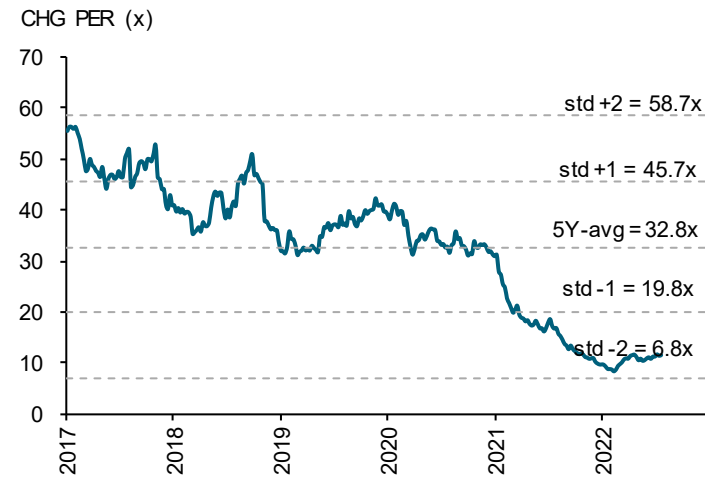
Source: CHG

Exhibit 6: Healthcare sector share price performance and 2023E core profit compared to 2019 level

Stocks	Price performance				Net profit		
	2020 (%)	2021 (%)	2022 YTD (%)	Since 2020 (%)	2019 (THB m)	2023E (THB m)	diff (%)
Bangkok Dusit Med Services PCL	(20.0)	10.6	17.4	3.8	10,053	12,544	25
Bumrungrad Hospital PCL	(18.4)	17.5	26.6	21.4	3,883	4,200	8
Ramkhamhaeng Hospital PCL	(8.2)	42.5	32.7	73.5	1,474	2,240	52
Thonburi Healthcare Group PCL	(3.7)	44.7	72.5	140.2	322	713	122
Bangkok Chain Hospital PCL	(20.5)	47.8	0.0	17.5	1,149	1,977	72
Chularat Hospital PCL	(4.7)	48.8	2.2	45.0	719	1,456	103
Vibhavadi Medical Center PCL	(17.9)	79.6	(8.3)	35.2	853	1,165	37
Praram 9 Hospital PCL	14.6	22.2	50.0	110.2	312	492	58
Sikarin PCL	28.7	100.0	(6.9)	139.6	242.3	n/a	-
Principal Capital PCL	(18.0)	18.5	39.2	35.2	(347.1)	n/a	-
Chiang Mai Ram Medical Business PCL	(12.9)	73.9	(9.2)	37.6	157.8	n/a	-
Srivichai Vejvivat PCL	17.7	53.4	0.9	82.3	200.4	n/a	-
Ekachai Medical Care PCL	(25.6)	46.6	9.7	19.6	160.5	220.5	37
Average	(6.83)	46.61	17.44	58.55			57

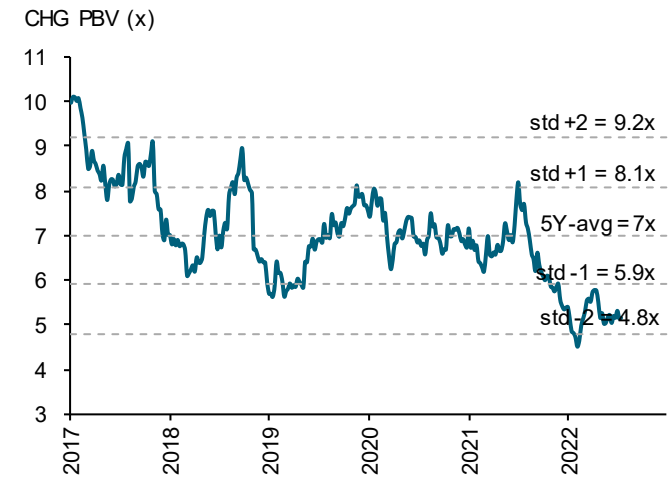
Source: Bloomberg

Exhibit 7: Historical P/E band



Sources: Bloomberg; FSSIA estimates

Exhibit 8: Historical P/BV band



Sources: Bloomberg; FSSIA estimates

Exhibit 9: Peer comparisons as of 22 Jul-22

Company	BBG	Rec	Share price			Market Cap (USD m)	PE		ROE		PBV		- EV/ EBITDA -	
			Current (LCY)	Target (LCY)	Upside (%)		22E (x)	23E (x)	22E (%)	23E (%)	22E (x)	23E (x)	22E (x)	23E (x)
Thailand														
Bangkok Dusit Med Service	BDMS TB	BUY	27.00	31.00	15	11,722	42.5	34.2	11.8	13.9	4.9	4.6	21.6	18.3
Bumrungrad Hospital	BH TB	BUY	178.50	210.00	18	3,876	46.6	33.8	17.4	22.6	8.0	7.3	27.8	21.2
Bangkok Chain Hospital	BCH TB	BUY	20.10	28.50	42	1,369	10.8	25.4	33.7	13.7	3.4	3.5	6.9	12.9
Chularat Hospital	CHG TB	BUY	3.74	4.70	26	1,124	13.6	28.3	37.8	17.7	4.9	5.1	9.1	16.8
Praram 9 Hospital	PR9 TB	BUY	16.50	18.00	9	354	26.8	26.4	10.9	10.4	2.8	2.7	12.7	12.3
Thonburi Healthcare Group	THG TB	REDUCE	64.25	45.00	(30)	1,487	38.2	76.5	15.1	7.4	5.6	5.7	21.9	30.6
Vibhavadi Medical Center	VIBHA TB	BUY	2.42	3.20	32	897	31.4	30.3	8.1	7.3	2.3	2.2	28.3	25.6
Ramkhamhaeng Hospital	RAM TB	BUY	52.75	62.00	18	1,729	28.4	28.3	12.5	11.8	3.4	3.2	24.5	23.6
Rajthanee Hospital	RJH TB	n/a	39.50	n/a	n/a	322	12.7	26.5	46.6	20.0	7.9	5.3	9.0	17.1
Ekachai Medical Care	EKH TB	n/a	7.70	n/a	n/a	130	25.3	25.2	14.3	13.0	5.5	3.1	13.9	13.1
Thailand average						23,012	27.6	33.5	20.8	13.8	4.9	4.3	17.6	19.2
Regional														
Ramsay Health Care	RHC AU	n/a	71.18	n/a	n/a	11,243	51.2	29.2	8.2	12.9	4.0	4.0	13.0	10.6
Ihh Healthcare Bhd	IHH SP	n/a	2.02	n/a	n/a	12,816	34.8	30.4	6.8	7.4	2.3	2.3	15.4	14.4
Ryman Healthcare	RYM NZ	n/a	9.00	n/a	n/a	2,791	19.5	16.2	7.4	7.6	1.3	1.3	19.1	15.9
Apollo Hospitals Enterprise	APHS IN	n/a	4,125	n/a	n/a	7,435	64.2	54.1	18.6	17.5	10.5	10.5	27.2	24.7
Kpj Healthcare Berhad	KPJ MK	n/a	0.85	n/a	n/a	829	30.4	22.4	5.6	7.4	1.7	1.7	12.2	11.0
Raffles Medical Group	RFMD SP	n/a	1.12	n/a	n/a	1,508	29.7	27.6	7.5	7.7	2.2	2.2	14.5	13.8
Mitra Keluarga Karyasehat	MIKA IJ	n/a	2,700	n/a	n/a	2,591	36.4	32.4	18.8	19.0	6.6	6.6	23.2	20.6
Aier Eye Hospital Group	300015 CH	n/a	33.20	n/a	n/a	34,540	74.6	56.2	22.4	24.2	17.3	17.3	44.7	34.9
Regional average						73,753	42.6	33.6	11.9	13.0	5.7	5.7	21.2	18.2
Overall average						96,765	34.3	33.5	16.9	13.4	5.3	4.9	19.2	18.7

Sources: Bloomberg; FSSIA estimates

Financial Statements

Chularat Hospital

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	5,433	11,742	11,136	7,111	7,563
Cost of goods sold	(3,331)	(5,531)	(6,236)	(4,402)	(4,568)
Gross profit	2,102	6,211	4,900	2,709	2,994
Other operating income	29	257	300	300	300
Operating costs	(673)	(821)	(1,002)	(715)	(722)
Operating EBITDA	1,457	5,647	4,198	2,294	2,572
Depreciation	(354)	(351)	(405)	(432)	(456)
Goodwill amortisation	-	-	-	-	-
Operating EBIT	1,104	5,296	3,793	1,862	2,116
Net financing costs	(33)	(19)	2	9	8
Associates	0	0	0	0	0
Recurring non-operating income	0	0	0	0	0
Non-recurring items	0	0	0	0	0
Profit before tax	1,071	5,276	3,796	1,871	2,124
Tax	(219)	(1,009)	(726)	(358)	(406)
Profit after tax	852	4,267	3,070	1,513	1,718
Minority interests	24	(63)	(51)	(57)	(60)
Preferred dividends	-	-	-	-	-
Other items	-	-	-	-	-
Reported net profit	877	4,204	3,019	1,456	1,658
Non-recurring items & goodwill (net)	0	0	0	0	0
Recurring net profit	877	4,204	3,019	1,456	1,658
Per share (THB)					
Recurring EPS *	0.08	0.38	0.27	0.13	0.15
Reported EPS	0.08	0.38	0.27	0.13	0.15
DPS	0.05	0.20	0.16	0.08	0.09
Diluted shares (used to calculate per share data)	11,000	11,000	11,000	11,000	11,000
Growth					
Revenue (%)	5.2	116.1	(5.2)	(36.1)	6.4
Operating EBITDA (%)	18.2	287.4	(25.7)	(45.4)	12.1
Operating EBIT (%)	22.3	379.7	(28.4)	(50.9)	13.6
Recurring EPS (%)	21.9	379.6	(28.2)	(51.8)	13.9
Reported EPS (%)	24.3	379.6	(28.2)	(51.8)	13.9
Operating performance					
Gross margin inc. depreciation (%)	32.2	49.9	40.4	32.0	33.6
Gross margin of key business (%)	32.2	49.9	40.4	32.0	33.6
Operating EBITDA margin (%)	26.8	48.1	37.7	32.3	34.0
Operating EBIT margin (%)	20.3	45.1	34.1	26.2	28.0
Net margin (%)	16.1	35.8	27.1	20.5	21.9
Effective tax rate (%)	20.4	19.1	19.1	19.1	19.1
Dividend payout on recurring profit (%)	62.7	52.3	60.0	60.0	60.0
Interest cover (X)	33.6	271.9	(1,636.0)	(213.0)	(267.6)
Inventory days	18.6	15.6	18.4	23.5	19.1
Debtor days	31.1	17.1	22.0	39.2	40.4
Creditor days	64.5	46.6	52.4	67.1	54.6
Operating ROIC (%)	18.3	83.2	55.7	27.7	31.9
ROIC (%)	17.5	80.4	53.9	26.7	30.9
ROE (%)	22.7	72.5	37.8	17.7	19.7
ROA (%)	14.1	51.1	28.5	14.4	16.5
* Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Cash patient revenue	3,208	4,222	4,134	4,193	4,535
SSO patient revenue	1,811	1,928	2,142	2,148	2,234
NHSO patient revenue	413	5,592	4,860	770	793

Sources: Chularat Hospital; FSSIA estimates

Financial Statements

Chularat Hospital

Cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	877	4,204	3,019	1,456	1,658
Depreciation	354	351	405	432	456
Associates & minorities	-	-	-	-	-
Other non-cash items	90	50	51	57	60
Change in working capital	70	(540)	9	84	(97)
Cash flow from operations	1,390	4,065	3,484	2,029	2,077
Capex - maintenance	(400)	(539)	(400)	(400)	(303)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	0	0	0	0	0
Other investments (net)	-	-	-	-	-
Cash flow from investing	(400)	(539)	(400)	(400)	(303)
Dividends paid	(550)	(660)	(2,200)	(1,812)	(874)
Equity finance	0	0	0	0	0
Debt finance	(360)	(665)	(414)	0	0
Other financing cash flows	0	40	(51)	(57)	(60)
Cash flow from financing	(910)	(1,284)	(2,665)	(1,869)	(934)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	80	2,242	419	(240)	841
Free cash flow to firm (FCFF)	1,026.10	3,547.55	3,090.95	1,631.13	1,776.72
Free cash flow to equity (FCFE)	629.99	2,901.73	2,618.92	1,571.58	1,714.32

Per share (THB)

FCFF per share	0.09	0.32	0.28	0.15	0.16
FCFE per share	0.06	0.26	0.24	0.14	0.16
Recurring cash flow per share	0.12	0.42	0.32	0.18	0.20

Balance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Tangible fixed assets (gross)	6,625	7,129	7,529	7,929	8,232
Less: Accumulated depreciation	(2,352)	(2,661)	(3,065)	(3,497)	(3,953)
Tangible fixed assets (net)	4,273	4,468	4,464	4,432	4,279
Intangible fixed assets (net)	47	47	47	47	47
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	0	0	0	0	0
Cash & equivalents	548	2,790	3,209	2,969	3,809
A/C receivable	481	616	728	799	874
Inventories	179	295	333	235	244
Other current assets	555	2,196	2,083	1,330	1,414
Current assets	1,763	5,897	6,352	5,332	6,342
Other assets	117	137	137	137	137
Total assets	6,201	10,550	10,999	9,948	10,805
Common equity	4,024	7,569	8,388	8,033	8,817
Minorities etc.	169	272	272	272	272
Total shareholders' equity	4,193	7,841	8,660	8,305	9,089
Long term debt	609	480	0	0	0
Other long-term liabilities	124	137	137	137	137
Long-term liabilities	732	617	137	137	137
A/C payable	570	842	949	670	696
Short term debt	570	34	100	100	100
Other current liabilities	135	1,215	1,153	736	783
Current liabilities	1,275	2,092	2,202	1,506	1,578
Total liabilities and shareholders' equity	6,201	10,550	10,999	9,948	10,805
Net working capital	510	1,050	1,041	957	1,054
Invested capital	4,948	5,702	5,689	5,573	5,517

* Includes convertibles and preferred stock which is being treated as debt

Per share (THB)

Book value per share	0.37	0.69	0.76	0.73	0.80
Tangible book value per share	0.36	0.68	0.76	0.73	0.80

Financial strength

Net debt/equity (%)	15.1	(29.0)	(35.9)	(34.5)	(40.8)
Net debt/total assets (%)	10.2	(21.6)	(28.3)	(28.8)	(34.3)
Current ratio (x)	1.4	2.8	2.9	3.5	4.0
CF interest cover (x)	20.2	150.0	(1,128.5)	(178.8)	(215.8)

Valuation	2020	2021	2022E	2023E	2024E
Recurring P/E (x) *	46.9	9.8	13.6	28.3	24.8
Recurring P/E @ target price (x) *	59.0	12.3	17.1	35.5	31.2
Reported P/E (x)	46.9	9.8	13.6	28.3	24.8
Dividend yield (%)	1.3	5.3	4.4	2.1	2.4
Price/book (x)	10.2	5.4	4.9	5.1	4.7
Price/tangible book (x)	10.3	5.5	4.9	5.2	4.7
EV/EBITDA (x) **	28.8	6.9	9.1	16.8	14.7
EV/EBITDA @ target price (x) **	36.0	8.8	11.6	21.4	18.8
EV/invested capital (x)	8.5	6.9	6.7	6.9	6.8

* Pre-exceptional, pre-goodwill and fully diluted ** EBITDA includes associate income and recurring non-operating income

Sources: Chularat Hospital; FSSIA estimates

Corporate Governance report of Thai listed companies 2021

EXCELLENT LEVEL – Score range 90-100										
AAV	BCPG	CPALL	GCAP	K	MSC	PLANET	SAMART	SPI	THRE	TVD
ADVANC	BDMS	CPF	GFPT	KBANK	MST	PLAT	SAMTEL	SPRC	THREL	TVI
AF	BEM	CPI	GGC	KCE	MTC	PORT	SAT	SPVI	TIPCO	TVO
AH	BGC	CPN	GLAND	KKP	MVP	PPS	SC	SSSC	TISCO	TWPC
AIRA	BGRIM	CRC	GLOBAL	KSL	NCL	PR9	SCB	SST	TK	U
AKP	BIZ	CSS	GPI	KTB	NEP	PREB	SCC	STA	TKT	UAC
AKR	BKI	DDD	GPSC	KTC	NER	PRG	SCCC	STEC	TMT	UBIS
ALT	BOL	DELTA	GRAMMY	LALIN	NKI	PRM	SCG	STI	TNDT	UV
AMA	BPP	DEMCO	GULF	LANNA	NOBLE	PROUD	SCGP	SUN	TNITY	VGI
AMATA	BRR	DRT	GUNKUL	LH	NSI	DRS	SCM	SUSCO	TOA	VIH
AMATAV	BTS	DTAC	HANA	LHFG	NVD	PSL	SDC	SUTHA	TOP	WACOAL
ANAN	BTW	DUSIT	HARN	LIT	NWR	PTG	SEAFCO	SVI	TPBI	WAVE
AOT	BWG	EA	HMPRO	LPN	NYT	PTT	SEAOIL	SYMC	TQM	WHA
AP	CENTEL	EASTW	ICC	MACO	OISHI	PTTEP	SE-ED	SYNTEC	TRC	WHAUP
ARIP	CFRESH	ECF	ICHI	MAJOR	OR	PTTGC	SELIC	TACC	TRU	WICE
ARROW	CHEWA	ECL	III	MAKRO	ORI	PYLON	SENA	TASCO	TRUE	WINNER
ASP	CHO	EE	ILINK	MALEE	OSP	Q-CON	SHR	TCAP	TSC	ZEN
AUCT	CIMBT	EGCO	ILM	MBK	OTO	QH	SIRI	TEAMG	TSR	
AWC	CK	EPG	INTUCH	MC	PAP	QTC	SIS	TFMAMA	TSTE	
AYUD	CKP	ETC	IP	MCOT	PCSGH	RATCH	SITHAI	TGH	TSTH	
BAFS	CM	FPI	IRPC	METCO	PDG	RS	SMK	THANA	TTA	
BANPU	CNT	FPT	ITEL	MFEC	PDJ	S	SMPC	THANI	TTB	
BAY	COM7	FSMART	IVL	MINT	PG	S & J	SNC	THCOM	TTCL	
BBL	COMAN	GBX	JSP	MONO	PHOL	SAAM	SONIC	THG	TTW	
BCP	COTTO	GC	JWD	MOONG	PLANB	SABINA	SPALI	THIP	TU	
VERY GOOD LEVEL – Score range 80-89										
2S	ASIMAR	CHOW	FLOYD	IT	LOXLEY	OCC	RPC	SKY	TCC	TVT
7UP	ASK	CI	FN	ITD	LRH	OGC	RT	SLP	TCMC	TWP
ABICO	ASN	CIG	FNS	J	LST	PATO	RWI	SMIT	TEAM	UEC
ABM	ATP30	CMC	FORTH	JAS	M	PB	S11	SMT	TFG	UMI
ACE	B	COLOR	FSS	JCK	MATCH	PICO	SA	SNP	TFI	UOBKH
ACG	BA	CPL	FTE	JCKH	MBAX	PIMO	SAK	SO	TIGER	UP
ADB	BAM	CPW	FVC	JMART	MEGA	PJW	SALEE	SORKON	TITLE	UPF
AEONTS	BC	CRD	GEL	JMT	META	PL	SAMCO	SPA	TKN	UPOIC
AGE	BCH	CSC	GENCO	KBS	MFC	PM	SANKO	SPC	TKS	UTP
AHC	BEC	CSP	GJS	KCAR	MGT	PMTA	SAPPE	SPCG	TM	VCOM
AIT	BEYOND	CWT	GYT	KEX	MICRO	PPP	SAWAD	SR	TMC	VL
ALL	BFIT	DCC	HEMP	KGI	MILL	PPP	SCI	SRICHA	TMD	VPO
ALLA	BJC	DCON	HPT	KIAT	MTSIB	PRIME	SCN	SSC	TMI	VRANDA
ALUCON	BJCHI	DHOUSE	HTC	KISS	MK	PRIN	SCP	SSF	TMILL	WGE
AMANAH	BLA	DOD	HYDRO	KOOL	MODERN	PRINC	SE	STANLY	TNL	WIK
AMARIN	BR	DOHOME	ICN	KTIS	MTI	PSG	SFLEX	STGT	TNP	WP
APCO	BROOK	DV8	IFS	KUMWEL	NBC	PSTC	SFP	STOWER	TOG	XO
APCS	CBG	EASON	IMH	KUN	NCAP	PT	SFT	STPI	TPA	XPG
APURE	CEN	EFORL	IND	KWC	NCH	QLT	SGF	SUC	TPAC	YUASA
AQUA	CGH	ERW	INET	KWM	NETBAY	RBF	SIAM	SWC	TPCS	
ASAP	CHARAN	ESSO	INSET	L&E	NEX	RCL	SINGER	SYNEX	TPS	
ASEFA	CHAYO	ESTAR	INSURE	LDC	NINE	RICHY	SKE	TAE	TRITN	
ASIA	CHG	ETE	IRC	LEO	NRF	RML	SKN	TAKUNI	TRT	
ASIAN	CHOTI	FE	IRCP	LHK	NTV	ROJNA	SKR	TBSP	TSE	
GOOD LEVEL – Score range 70-79										
A	BGT	CITY	GIFT	JTS	MDX	PK	SGP	SUPER	TQR	YGG
AI	BH	CMAN	GLOCON	JUBILE	MJD	PLE	SICT	SVOA	TTI	ZIGA
AIE	BIG	CMO	GREEN	KASET	MORE	PPM	SIMAT	TC	TYCN	
AJ	BLAND	CMR	GSC	KCM	MUD	PRAKIT	SISB	TCCC	UKEM	
ALPHAX	BM	CPT	GTB	KK	NC	PRAPAT	SK	THMUI	UMS	
AMC	BROCK	CRANE	HTECH	KKC	NDR	PRECHA	SMART	TNH	UNIQ	
APP	BSBM	CSR	HUMAN	KWI	NFC	PTL	SOLAR	TNR	UPA	
AQ	BSM	D	IHL	KYE	NNCL	RJH	SPACK	TOPP	UREKA	
ARIN	BTNC	EKH	IIG	LEE	NOVA	RP	SPG	TPCH	VIBHA	
AS	BYD	EMC	INGRS	LPH	NPK	RPH	SQ	TPIPL	W	
AU	CAZ	EP	INOX	MATI	NUSA	RSP	SSP	TIPIP	WIN	
B52	CCP	F&D	JAK	M-CHAI	PAF	SABUY	STARK	TPLAS	WORK	
BEAUTY	CGD	FMT	JR	MCS	PF	SF	STC	TPOLY	WPH	

Disclaimer:

The disclosure of the survey results of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results.

* CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud, and corruption SEC imposed a civil sanction against insider trading of director and executive

Sources: Thai Institute of Directors Association (IOD); FSSIA's compilation; data as of 26 October 2021

Anti-corruption Progress Indicator

CERTIFIED										
2S	BCH	CPALL	GC	K	MFC	PE	QLT	SNP	THCOM	TU
7UP	BCP	CPF	GCAP	KASET	MFEC	PG	QTC	SORKON	THIP	TVD
ADVANC	BCPG	CPI	GEL	KBANK	MILL	PHOL	RATCH	SPACK	THRE	TVI
AF	BE8	CPN	GFPT	KBS	MINT	PK	RML	SPALI	THREL	TVO
AI	BEYOND	CSC	GGC	KCAR	MONO	PL	RWI	SPC	TIDLOR	TWPC
AIE	BGC	DCC	GJS	KCE	MOONG	PLANB	S & J	SPI	TIPCO	U
AIRA	BGRIM	DELTA	GPI	KGI	MSC	PLANET	SAAM	SPRC	TISCO	UBE
AKP	BJCHI	DEMCO	GPSC	KKP	MST	PLAT	SABINA	SRICHA	TKS	UBIS
ALPHAX	BKI	DIMET	GSTEEL	KSL	MTC	PM	SAPPE	SSF	TKT	UEC
AMA	BLA	DRT	GUNKUL	KTB	MTI	PPP	SAT	SSP	TMD	UKEM
AMANAHA	BPP	DTAC	HANA	KTC	NBC	PPPM	SC	SSSC	TMILL	UOBKH
AMATA	BROOK	DUSIT	HARN	KWC	NEP	PPS	SCB	SST	TMT	UPF
AMATAV	BRR	EA	HEMP	KWI	NINE	PR9	SCC	STA	TNITY	UV
AP	BSBM	EASTW	HENG	L&E	NKI	PREB	SCCC	STOWER	TNL	VGI
APCS	BTS	ECL	HMPRO	LANNA	NMG	PRG	SCG	SUSCO	TNP	VIH
AQUA	BWG	EGCO	HTC	LH	NNCL	PRINC	SCN	SVI	TNR	WACOAL
ARROW	CEN	EP	ICC	LHFG	NOBLE	PRM	SEAOIL	SYMC	TOG	WHA
AS	CENTEL	EPG	ICHI	LHK	NOK	PROS	SE-ED	SYNTEC	TOP	WHAUP
ASIAN	CFRESH	ERW	IFEC	LPN	NSI	PSH	SELIC	TAE	TOPP	WICE
ASK	CGH	ESTAR	IFS	LRH	NWR	PSL	SENA	TAKUNI	TPA	WIJK
ASP	CHEWA	ETE	ILINK	M	OCC	PSTC	SGP	TASCO	TPP	XO
AWC	CHOTI	FE	INET	MAKRO	OGC	PT	SINGER	TBSP	TRU	ZEN
AYUD	CHOW	FNS	INSURE	MALEE	ORI	PTG	SIRI	TCAP	TRUE	
B	CIG	FPI	INTUCH	MATCH	PAP	PTT	SITHAI	TCMC	TSC	
BAFS	CIMBT	FPT	IRC	MBAX	PATO	PTTEP	SKR	TFG	TSTE	
BAM	CM	FSMART	IRPC	MBK	PB	PTTGC	SMIT	TFI	TSTH	
BANPU	CMC	FSS	ITEL	MC	PCSGH	PYLON	SMK	TFMAMA	TTA	
BAY	COM7	FTE	IVL	MCOT	PDG	Q-CON	SMPC	TGH	TTB	
BBL	COTTO	GBX	JKN	META	PDJ	QH	SNC	THANI	TTCL	
DECLARED										
AJ	CHG	DDD	ETC	JR	MAJOR	NUSA	RS	SSS	TQM	YUASA
ALT	CPL	DHOUSE	FLOYD	JTS	NCAP	NYT	SAK	STECH	TSI	ZIGA
APCO	CPR	DOHOME	GULF	KEX	NCL	OR	SCGP	STGT	VARO	
B52	CPW	ECF	III	KUMWEL	NOVA	PIMO	SCM	TKN	VCOM	
BEC	CRC	EKH	INOX	LDC	NRF	PLE	SIS	TMI	VIBHA	

Level	
Certified	This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.
Declared	This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company. The assessment result is therefore made from the perspective of Thaipat Institute that is a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of 26 October 2021) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Sources: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

Teerapol Udomvej, CFA FSS International Investment Advisory Securities Co., Ltd

The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s) was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed herein.

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Company	Ticker	Price	Rating	Valuation & Risks
Chularat Hospital	CHG TB	THB 3.74	BUY	Downside risks to our DCF-based target price include 1) a slowdown in Thai patient volume due to economic concerns; 2) regulatory risks from drug price and medical bill controls; and 3) SSO provision expenses following limited budgets from the SSO.
Bangkok Dusit Medical Services	BDMS TB	THB 27.00	BUY	Downside risks to our DCF-based target price include 1) a slowdown in international patients due to economic concerns, political protests or floods; 2) regulatory risks from drug price and medical bill controls; and 3) higher-than-expected capex and opex for CoE projects.
Bumrungrad Hospital	BH TB	THB 178.50	BUY	Downside risks to our DCF-based target price include 1) a slowdown in international patients due to economic concerns, political protests or floods; 2) regulatory risks from drug prices and medical bill controls; and 3) higher medical fee discount promotions, leading to a weaker EBITDA margin.
Bangkok Chain Hospital	BCH TB	THB 20.10	BUY	Downside risks to our DCF-based target price include 1) a slowdown in international patients due to economic concerns, political protests or floods; 2) regulatory risks from drug prices and medical bill controls; and 3) SSO provision expenses following a limited SSO budget.
Praram 9 Hospital	PR9 TB	THB 16.50	BUY	Downside risks to our DCF-based target price include 1) weak patient volumes following the economic slowdown; 2) regulatory risks from drug price and medical bill controls; and 3) higher-than-expected expenses from its new building.
Thonburi Healthcare Group	THG TB	THB 64.25	REDUCE	Upside risks to our DCF-based target price include 1) a new Covid wave from a new variant; and 2) big-lot sales of Jin Wellbeing County units.
Vibhavadi Medical Center	VIBHA TB	THB 2.42	BUY	Downside risks to our DCF-based target price include 1) a slowdown in Thai patient volume due to economic concerns; 2) regulatory risks from drug prices and medical bill controls; and 3) SSO provision expenses following limited budgets from the SSO.
Ramkhamhaeng Hospital	RAM TB	THB 52.75	BUY	Downside risks to our DCF-based target price include 1) weak patient volumes following the economic slowdown; 2) regulatory risks from drug price and medical bill controls; and 3) losses from its subsidiary companies.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

FSSIA may incorporate the recommendations and target prices of companies currently covered by FSS Research into equity research reports, denoted by an 'FSS' before the recommendation. FSS Research is part of Finansia Syrus Securities Public Company Limited, which is the parent company of FSSIA.

All share prices are as at market close on 22-Jul-2022 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as $(\text{target price}^* - \text{current price}) / \text{current price}$.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months.

Neutral. The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months.

Underweight. The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.