EQUITY RESEARCH - COMPANY REPORT



FSSIA ESG rating

BDMS TB



BANGKOK DUSIT MEDICAL SERVICES

THAILAND / HEALTH CARE SERVICES

Finishing the year strong

- คาดว่ากำไรปกติ 4Q23 จะโต 19% y-y เป็น 3.7พัน ลบ. โดยได้ปัจจัยหนุนจากรายได้ จากผู้ป่วยทั้งชาวไทยและชาวต่างประเทศ
- กำไรน่าจะโตต่อเนื่องที่ 11% y-y ในปี 2024 โดยได้ปัจจัยหนุนจาก Utilisation rate
 และ EBITDA margin ที่ปรับตัวดีขึ้น
- คงคำแนะนำซื้อหลังปรับราคาเป้าหมายขึ้นเป็น 35.0 บาท (DCF)

คาดกำไรปกติ 4Q23 จะสูงกว่าระดับก่อนโควิด 56%

เราคาดว่ารายได้ 4Q23 จะโต 12% y-y โดยรายได้จากผู้ป่วยชาวไทยน่าจะโต 11% y-y และสูง กว่าระดับก่อนโควิดอยู่ 29% จากการระบาดของโรคไข้หวัดใหญ่และโควิด รายได้จากผู้ป่วย ต่างประเทศน่าจะโต 16% y-y และสูงกว่าระดับก่อนโควิด 16% โดยได้ปัจจัยหนุนจากผู้ป่วย ชาวกาตาร์และชาวจีนที่อาศัยอยู่ในประเทศไทย ใน 4Q23 เราคาดว่า EBITDA margin จะ ปรับตัวดีขึ้นเป็น 23.8% จาก 23.7% ใน 4Q22 จากการเติบโตของรายได้ที่อยู่ในเกณฑ์ดี แต่ต่ำ กว่า 24.7% ใน 3Q23 จากค่าใช้จ่ายเพิ่มเติมซึ่งปกติจะอยู่ในระดับสูงในช่วงสิ้นปี ด้วยเหตุ ดังกล่าวเราคาดว่ากำไรปกติ 4Q23 จะโต 19% y-y เป็น 3.7พัน ลบ. แต่ลดลงเล็กน้อย 5% q-q

โควต้าสมาชิกประกันสังคมเพิ่มเติมในปี 2024 เป็น Upside

ประมาณการ 4Q23 ของเรา ส่งผลให้การเติบโตของรายได้ปี 2023 น่าจะจบที่ 10% ซึ่งอยู่ใน กรอบด้านบนของเป้าประมาณการของผู้บริหารที่ 8-10% เราคาดว่ารายได้จะโตต่อเนื่องอีก 7% ในปี 2024 จากการฟื้นตัวของผู้ป่วยชาวจีนที่บินเข้ามารับการรักษาในประเทศไทย การปรับ ราคาขึ้น 2-3% และ Revenue intensity ที่สูงขึ้น นอกจากนี้ BDMS พึ่งได้รับโควต้าสมาชิก ประกันสังคมเพิ่มจากประมาณ 1.0ล้านในปี 2023 เป็นประมาณ 1.5ล้านในปี 2024 ปัจจัย ดังกล่าวน่าจะช่วยสนับสนุนเป้าหมายของบริษัทฯ ในการเพิ่มสมาชิกประกันสังคมลงทะเบียน จากประมาณ 790,000 คนในปี 2023 เป็น 1.0ล้านคนภายในปี 2025

โรงพยาบาลศูนย์แห่งความเป็นเลิศ (CoE) จะช่วยผลักดัน EBITDA margin ปี 2024

EBITDA margin อยู่ในแนวโน้มขาขึ้นโดยเพิ่มขึ้นจาก 22% ในปี 2019 เป็น 23.9% ในปี 2023E เราคาดว่าแนวโน้มดังกล่าวจะดีต่อเนื่องโดยจะปรับขึ้นเป็น 24.4% ในปี 2024 บน สมมติฐานที่ว่า Utilisation rate ปรับตัวดีขึ้นจาก 69% ในปี 2023 เป็น 70-71% ในปี 2024 ประกอบกับ CoE 14 แห่งที่เข้าสู่ Maturity phase (CoE มี EBITDA margin อยู่ที่ 26% ณ สิ้น ช่วง 9M23) เพราะฉะนั้นเราจึงคาดว่ากำไรปกติปี 2024 จะโต 11% เป็น 15.7พัน ลบ.

ปรับเพิ่มประมาณการกำไรจากแนวโห้มไตรมาส 4Q23 และปี 2024 ที่อยู่ในเกณฑ์ดี

เราปรับเพิ่มประมาณการกำไรปกติปี 2023-25 ขึ้น 1-5% เพื่อสะท้อนผลประกอบการ 4Q23 ที่ คาดว่าจะอยู่ในเกณฑ์ดีและได้ราคาเป้าหมายปี 2024 ใหม่ที่ 35.0 บาท (DCF) BDMS มีการซื้อ ขายในระดับการประเมินมูลค่าที่น่าสนใจที่ 28x ของค่า 2024E P/E ต่ำกว่าค่าเฉลี่ย 5 ปี ย้อนหลังที่ 32x BDMS เป็นหนึ่งในหุ้น Defensive ที่ดีที่สุดสำหรับตลาดที่มีความผันผวน นอกจากนี้หุ้นยังมีการเติบโตของกำไรที่ดีโดยน่าจะมีปัจจัยบวกอยู่ที่ผลประกอบการ 4Q23 ที่ อยู่ในเกณฑ์ดีและแนวโน้มที่ดีในปี 2024 จากการประชุมนักวิเคราะห์ที่ใกล้จะมาถึง เราเห็น โอกาสที่ตลาดจะปรับประมาณการกำไรขึ้นเนื่องจากประมาณการของเราสูงกว่าตลาดอยู่ 3-5%

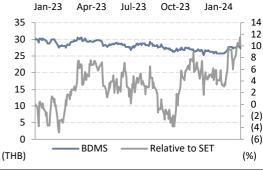
BUY

UNCHANGE

TARGET PRICE	THB35.00
CLOSE	THB27.25
UP/DOWNSIDE	+28.4%
PRIOR TP	THB34.50
CHANGE IN TP	+1.4%
TP vs CONSENSUS	+3 2%

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	92,968	102,041	109,202	116,867
Net profit	12,606	14,130	15,666	17,045
EPS (THB)	0.79	0.89	0.99	1.07
vs Consensus (%)	-	2.7	5.0	5.3
EBITDA	22,933	24,427	26,632	28,852
Recurring net profit	12,606	14,130	15,666	17,045
Core EPS (THB)	0.79	0.89	0.99	1.07
Chg. In EPS est. (%)	-	4.9	2.4	1.2
EPS growth (%)	63.0	12.1	10.9	8.8
Core P/E (x)	34.4	30.6	27.6	25.4
Dividend yield (%)	1.8	1.8	2.0	2.2
EV/EBITDA (x)	19.4	17.9	16.2	14.6
Price/book (x)	4.8	4.5	4.2	3.9
Net debt/Equity (%)	9.2	1.0	(6.7)	(13.9)
ROE (%)	14.5	15.2	15.7	15.9



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	5.8	0.0	(8.4)
Relative to country (%)	6.6	3.8	11.5
Mkt cap (USD m)			12,202
3m avg. daily turnover (USD m)			30.6
Free float (%)			70
Major shareholder	Prasert Pra	sarttong-O	soth (13%)
12m high/low (THB)		3	0.75/25.00
Issued shares (m)			15,892.00

Sources: Bloomberg consensus; FSSIA estimates



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Investment thesis

BDMS has aggressively expanded its hospital network from 10 in 2004 to 59 currently. The company had a high capex level averaging 17% of revenue over 2013-19. It is now at the tail end of its capex cycle, as it has already achieved its target of 50 hospitals.

BDMS plans to focus on organic growth. We expect its EBITDA margin to be maintained at a high level of 24-25% over 2023-25 (vs 22% in 2019), led by a higher utilisation rate, its Centre of Excellence (CoE) project, and the turnaround of loss-making hospitals.

BDMS has a healthy balance sheet with 2022 net D/E at only 0.1x. FCFF should accelerate, based on our estimates, and this would provide an upside to its dividend payouts.

Company profile

BDMS is the largest healthcare provider in terms of market capital in Thailand. It operates 59 hospitals under six brands.

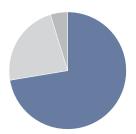
www.bangkokhospital.com

Principal activities (revenue, 2022)

■ Thai patient revenue - 72.4 %

International patient revenue - 22.9 %

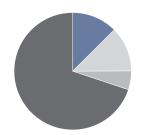
Other revenue - 4.8 %



Source: Bangkok Dusit Medical Services

Major shareholders

- Prasert Prasarttong-Osoth 12.5
- Thai NVDR 12.4 %
- Poramaporn Prasarttong-Osoth -5.2 %
- Others 69.9 %



Source: Bangkok Dusit Medical Services

Catalysts

Key potential growth drivers include 1) higher insurance patient revenue; 2) rising demand from medical tourists; and 3) an improving EBITDA margin led by CoE hospitals.

Risks to our call

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-than-expected capex and opex for CoE projects.

Event calendar

Date	Event
Feb 2024	4Q23 results announcement

Key assumptions

	2023E	2024E	2025E
	(%)	(%)	(%)
No. of hospitals (no.)	59	60	63
OPD volume growth	(2)	3	4
OPD revenue / patient growth	14	4	3
IPD volume growth	35	3	4
IPD revenue / patient growth	(20)	4	3

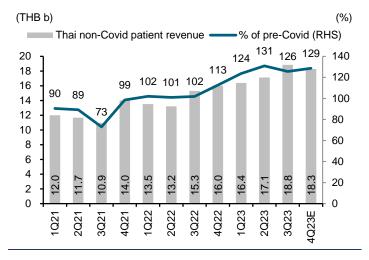
Source: FSSIA estimates

Earnings sensitivity

- For every 1% increase in patient volume, we project 2024 earnings to rise by 2%, and vice versa, all else being equal.
- For every 1% increase in EBITDA margin, we project 2024 earnings to rise by 6%, and vice versa, all else being equal.

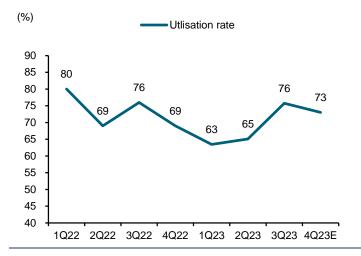
Source: FSSIA estimates

Exhibit 1: Non-Covid Thai patient revenue, quarterly



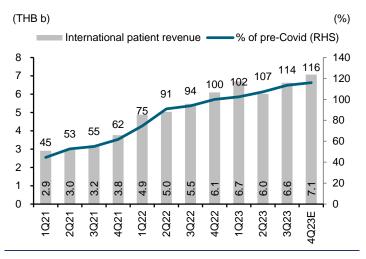
Sources: BDMS; FSSIA estimates

Exhibit 3: Utilisation rate



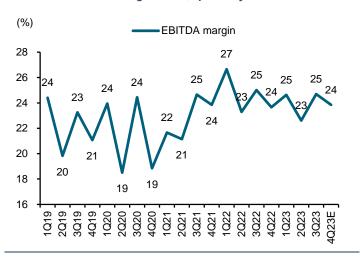
Source: BDMS; FSSIA estimates

Exhibit 2: International patient revenue, quarterly



Sources: BDMS; FSSIA estimates

Exhibit 4: EBITDA margin trend, quarterly



Sources: BDMS; FSSIA estimates

Exhibit 5: 4Q23 results preview

	4Q22	1Q23	2Q23	3Q23	4Q23E	Cha	nge	2023E	Change
	(THB m)	(q-q %)	(y-y %)	(THB m)	(y-y %)				
Sales	23,842	24,313	24,372	26,699	26,654	(0)	12	102,041	10
- Hospital revenue	22,568	23,084	23,141	25,473	25,354	(0)	12	97,120	10
- Other revenue	1,274	1,229	1,232	1,227	1,300	6	2	4,921	11
COGS (incl depreciation)	(14,752)	(15,122)	(15,432)	(16,469)	(16,445)	(0)	11	(63,511)	9
Gross profit	9,090	9,191	8,940	10,230	10,208	(0)	12	38,530	11
SG&A	(4,933)	(4,633)	(4,876)	(5,106)	(5,353)	5	9	(19,939)	13
Operating profit ¹⁾	4,157	4,558	4,064	5,124	4,856	(5)	17	18,591	9
Net other income	(0)	12	5	7	7			30	270
Interest income	32	26	48	48	48	0	51	165	106
Interest expense	(169)	(164)	(134)	(122)	(122)	0	(28)	(542)	(14)
Pretax profit	4,020	4,432	3,983	5,057	4,788	(5)	19	18,244	11
Income Tax	(806)	(880)	(812)	(1,025)	(958)	(7)	19	(3,649)	13
Associates	10	34	13	21	21	0	101	80	91
Minority interest	(111)	(116)	(120)	(163)	(145)	(11)	30	(545)	(16)
Core profit	3,113	3,470	3,063	3,890	3,707	(5)	19	14,130	12
Extraordinaries, GW & FX						• • •		0	
Reported net profit	3,113	3,470	3,063	3,890	3,707	(5)	19	14,130	12
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Outstanding shares (m)	15,892	15,892	15,892	15,892	15,892	0	0	15,892	0
Core EPS (THB)	0.20	0.22	0.19	0.24	0.23	(5)	19	0.89	12
EPS (THB)	0.20	0.22	0.19	0.24	0.23	(5)	19	0.89	12
COGS (excl depreciation)	13,268	13,693	13,986	14,999	14,945	(0)	13	57,675	10
Depreciation	1,484	1,429	1,446	1,470	1,500	2	1	5,835	(2)
EBITDA ²⁾	5,641	5,987	5,510	6,594	6,356	(4)	13	24,427	7
Key ratios	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(ppt)
Gross margin	38.1	38	37	38	38	(0)	0	38	1
SG&A/Revenue	21	19	20	19	20	1	(1)	20	1
EBITDA margin	24	25	23	25	24	(1)	0	24	(1)
Net profit margin	13	14	13	15	14	(1)	1	14	0
Operating stats	(%)	(%)	(%)	(%)	(%)				
OPD revenue growth y-y	15	11	10	14	-				
OPD volume growth y-y	13	(7)	0	0					
OPD revenue per head growth y-y	1	20	10	14					
IPD revenue growth y-y	(2)	(2)	10	9	15				
IPD volume growth y-y	35	33	60	20					
IPD revenue per head growth y-y	(27)	(26)	(31)	(9)					
Thai revenue growth y-y	(4)	(6)	7	9					
International revenue growth y-y	61	38	22	19					

Note: 1) Gross profit calculated by revenue – COGS including depreciation; 2) EBITDA calculated by operating profit + operating income – depreciation Sources: BDMS; FSSIA estimates

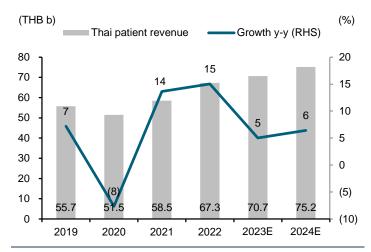
Exhibit 6: Forecast revisions

		Current			- Previous		Change			
	2023E	2024E	2025E	2023E	2024E	2025E	2023E	2024E	2025E	
	(THB b)	(THB b)	(%)	(%)	(%)					
OPD volume (visits per day)	32,355	33,326	34,659	34,232	35,601	37,025	(5.5)	(6.4)	(6.4)	
OPD revenue / patient (THB)	3,948	4,106	4,230	3,602	3,746	3,859	9.6	9.6	9.6	
IPD volume (admissions per day)	1,552	1,599	1,663	1,466	1,598	1,662	5.9	0.1	0.1	
IPD revenue / patient (THB)	89,110	92,674	95,454	94,679	94,679	97,519	(5.9)	(2.1)	(2.1)	
Revenue	102.0	109.2	116.9	100.3	108.8	116	1.7	0.4	0.4	
EBITDA margin (%)	23.9	24.4	24.7	24.3	24.7	25	(0.4)	(0.3)	(0.3)	
Core profit	14.1	15.7	17.0	13.5	15.3	17	4.9	2.4	1.2	

 ${}^\star \text{Note:}$ Change of items in percentage terms are represented in ppt change.

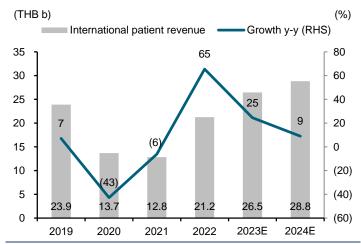
Source: FSSIA estimates

Exhibit 7: Thai patient revenue forecast



Note: Includes Covid-related revenue of THB10.1b in 2021 and THB9.0b in 2022 Sources: BDMS; FSSIA estimates

Exhibit 8: International patient revenue forecast



Sources: BDMS; FSSIA estimates

Exhibit 9: BDMS - DCF-derived TP

(%)	Cost of debt assumptions	(%)
3.0	Pre-tax cost of debt	3.5
8.0	Marginal tax rate	20.0
0.8		
9.4	Net cost of debt, Kd	2.8
80.0	Weight applied	20.0
0.4		
	3.0 8.0 0.8 9.4 80.0	3.0 Pre-tax cost of debt 8.0 Marginal tax rate 0.8 9.4 Net cost of debt, Kd

DCF valuation estimate	(THB b)	(THB/share)	Comments
NPV	182.2	11.5	WACC 8.1%, Risk-free rate 3%, Risk premium 8%
Terminal value	369.3	23.2	Terminal growth 3%
Cash & liquid assets	28.4	1.8	At end-2024E
Investments	2.0	0.1	At end-2024E
Debt	(21.1)	(1.3)	At end-2024E
Minorities	(5.0)	(0.3)	At end-2024E
Residual ordinary equity	555.8	35.0	

Source: FSSIA estimates

Exhibit 10: One-year prospective P/E band



Sources: Bloomberg; FSSIA estimates

Exhibit 11: One-year prospective P/BV band



Sources: Bloomberg; FSSIA estimates

Exhibit 12: Peer comparisons as of 17 January 2024

Company	BBG	Rec		Share price	9	Market	PI	E	RC)E	PE	8V	- EV/ EB	SITDA -
			Current	Target	Upside	Сар	23E	24E	23E	24E	23E	24E	23E	24E
			(LCY)	(LCY)	(%)	(USD m)	(x)	(x)	(%)	(%)	(x)	(x)	(x)	(x)
Thailand														
Bangkok Dusit Med Service	BDMS TB	BUY	27.25	35.00	28.4	12,202	30.6	27.6	15.2	15.7	4.5	4.2	17.9	16.2
Bumrungrad Hospital	BH TB	BUY	235.00	300.00	27.7	5,263	27.7	26.5	31.1	28.0	7.9	7.0	18.3	17.3
Bangkok Chain Hospital	BCH TB	BUY	22.40	24.50	9.4	1,574	41.2	32.9	10.9	13.0	4.4	4.1	19.0	16.1
Chularat Hospital	CHG TB	BUY	3.12	4.00	28.2	967	28.9	25.0	15.7	17.4	4.5	4.2	16.7	14.5
Praram 9 Hospital	PR9 TB	BUY	17.10	22.00	28.7	379	24.9	22.3	11.0	11.6	2.7	2.5	12.0	10.5
Thonburi Healthcare Group	THG TB	HOLD	53.00	55.00	3.8	1,266	47.0	37.2	9.3	11.4	4.3	4.1	21.5	18.7
Ramkhamhaeng Hospital	RAM TB	BUY	32.75	50.00	52.7	1,107	25.7	21.4	7.8	9.2	2.0	1.9	31.7	26.3
Rajthanee Hospital	RJH TB	n/a	27.00	n/a	n/a	228	19.3	19.0	18.0	17.4	5.4	3.4	13.3	12.7
Ekachai Medical Care	EKH TB	n/a	7.45	n/a	n/a	149	20.2	19.9	12.8	11.9	5.5	2.4	11.4	10.6
Thailand average						23,135	29.5	25.8	14.7	15.1	4.6	3.8	18.0	15.9
Regional														
Ramsay Health Care	RHC AU	n/a	49.70	n/a	n/a	7,477	33.5	37.1	8.6	8.0	2.8	2.7	11.6	10.9
Ihh Healthcare Bhd	IHH SP	n/a	1.72	n/a	n/a	11,270	34.9	31.1	6.1	6.4	2.3	1.9	14.0	13.4
Ryman Healthcare	RYM NZ	n/a	6.00	n/a	n/a	2,525	12.0	13.6	7.5	7.5	1.4	0.8	14.0	13.7
Apollo Hospitals Enterprise	APHS IN	n/a	5,905	n/a	n/a	10,247	101.3	85.3	13.8	14.9	23.5	13.2	41.8	36.2
Kpj Healthcare Berhad	KPJ MK	n/a	1.52	n/a	n/a	1,406	28.7	25.3	10.0	10.6	3.4	2.8	12.7	12.0
Raffles Medical Group	RFMD SP	n/a	1.04	n/a	n/a	1,437	21.7	23.1	8.7	8.1	2.2	1.9	11.0	11.4
Mitra Keluarga Karyasehat	MIKA IJ	n/a	2,540	n/a	n/a	2,315	37.1	32.1	16.8	17.9	7.5	6.2	23.3	20.2
Aier Eye Hospital Group	300015 CH	n/a	14.06	n/a	n/a	18,230	37.0	29.4	18.4	19.8	15.1	6.4	21.7	17.5
Regional average						54,907	38.3	34.6	11.2	11.6	7.3	4.5	18.8	16.9
Overall average						78,042	33.6	29.9	13.0	13.4	5.8	4.1	18.4	16.4

Sources: Bloomberg; FSSIA estimates

Financial Statements

Bangkok Dusit Medical Services

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	75,514	92,968	102,041	109,202	116,867
Cost of goods sold	(49,462)	(58,329)	(63,511)	(67,661)	(72,376)
Gross profit	26,052	34,638	38,530	41,540	44,492
Other operating income	-	-	-	-	-
Operating costs	(15,029)	(17,655)	(19,939)	(21,065)	(22,310)
Operating EBITDA	17,345	22,933	24,427	26,632	28,852
Depreciation	(6,321)	(5,950)	(5,835)	(6,157)	(6,671)
Goodwill amortisation	-	-	-	-	-
Operating EBIT	11,023	16,984	18,591	20,475	22,182
Net financing costs	(655)	(552)	(378)	(286)	(209)
Associates	21	42	80	88	97
Recurring non-operating income	26	50	110	121	133
Non-recurring items	200	0	0	0	0
Profit before tax Tax	10,594 (2,103)	16,481	18,324	20,310	22,106
Profit after tax	8,490	(3,227) 13,254	(3,649) 14,675	(4,044) 16,266	(4,402) 17,704
Minority interests	(554)	(648)	(545)	(600)	(659)
Preferred dividends	(554)	(040)	(545)	(000)	(000)
Other items	_	_	_	_	_
Reported net profit	7,936	12,606	14,130	15,666	17,045
Non-recurring items & goodwill (net)	(200)	0	0	0	0
Recurring net profit	7,736	12,606	14,130	15,666	17,045
Per share (THB)					
Recurring EPS *	0.49	0.79	0.89	0.99	1.07
Reported EPS	0.50	0.79	0.89	0.99	1.07
DPS	0.80	0.50	0.50	0.53	0.59
Diluted shares (used to calculate per share data)	15,892	15,892	15,892	15,892	15,892
Growth					
Revenue (%)	9.3	23.1	9.8	7.0	7.0
Operating EBITDA (%)	16.1	32.2	6.5	9.0	8.3
Operating EBIT (%)	29.3	54.1	9.5	10.1	8.3
Recurring EPS (%)	28.0	63.0	12.1	10.9	8.8
Reported EPS (%)	10.0	58.8	12.1	10.9	8.8
Operating performance					
Gross margin inc. depreciation (%)	34.5	37.3	37.8	38.0	38.1
Gross margin exc. depreciation (%)	42.9	43.7	43.5	43.7	43.8
Operating EBITDA margin (%)	23.0	24.7	23.9	24.4	24.7
Operating EBIT margin (%)	14.6	18.3	18.2	18.7	19.0
Net margin (%)	10.2	13.6	13.8	14.3	14.6
Effective tax rate (%)	20.3	19.6	20.0	20.0	20.0
Dividend payout on recurring profit (%)	164.7	63.0	56.2	54.1	55.1
Interest cover (X)	16.9	30.8	49.5	72.1	106.8
Inventory days	16.3	14.7 38.5	14.7 37.5	14.9 35.0	14.9
Debtor days Creditor days	39.4 40.1	38.5 39.1	37.5 41.1	35.0 41.7	32.7 41.7
Operating ROIC (%)	10.6	15.8	16.5	18.3	20.0
ROIC (%)	8.5	12.7	13.4	14.8	16.1
ROE (%)	9.0	14.5	15.2	15.7	15.9
ROA (%)	6.7	10.1	10.4	10.9	11.1
* Pre-exceptional, pre-goodwill and fully diluted	0.7	10.1	10.4	10.0	11.1
Revenue by Division (THB m)	2021	2022	2023E	2024E	2025E
Thai patient revenue					
LICAL DATION FOUNDIA	58,500	67,286	70,666	75,200	80,877
International patient revenue	12,841	21,248	26,454	28,835	30,565

Sources: Bangkok Dusit Medical Services; FSSIA estimates

Financial Statements

Bangkok Dusit Medical Services

Processing part part of 7,206 12,006 14,100 16,006 170,055 10,107 10,007 10	Bangkok Dusit Medical Services					
Despeciation	Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Despeciation	Recurring net profit	7.736	12.606	14,130	15.666	17.045
Differ non-sain himms	Depreciation					
Change in working capital Capita reinimenance 14.293 (14.953 12.954 13.982 23.214 25.944 Capita reinimenance 14.293 (14.953 16.122 16.6552) (7.012) Capita reinimenance 14.293 (14.953 16.122 16.6552) (7.012) Capita reinimenance (1941) Capita reinimenance (1942) Cap	Associates & minorities	-	-	-	-	-
Cash five from operations	Other non-cash items	997	1,275	545	599	659
Capex - men winestment	Change in working capital	(980)	720	1,171	898	969
Capper - new investment	Cash flow from operations	14,074	20,551	21,682	23,321	25,344
New acquaintifiers & disposale (58) (38) (0) (0) (0) (0) (0) (0) (0) (0	Capex - maintenance	(4,235)	(14,953)	(6,122)	(6,552)	(7,012)
Cince	Capex - new investment	-	-	-	-	-
Cach Income (4,238) (1,5340) (6,122) (6,552) (7,012) (1,7012) (1,7013) (1,7014)	Net acquisitions & disposals	(58)	(386)	0	0	0
Disidentification (12,738) (7,943) (7,948) (8,476) (9,4070) (9,	Other investments (net)	-	-	-	-	-
Equity finance	<u>-</u>			. , ,	. , ,	
Debt Infancine (6,416) 4,746 (2,000) (500)	•			,		. , ,
Chef Infancing (18,079) (2,880) (9,946)						
Cash flow from financing (18,079) (2,880) (9,946) (9,976		* ' '		, , ,	, ,	, ,
Non-recurring cash flows	<u> </u>					
Other adjustments 0		(10,073)	(2,000)	(3,340)	(0,970)	(9,300)
No common in coash	•	0	0	0	0	0
Movement in cash (8,288) 2,330 5,613 7,791 8,432 Fire cash flow to firm (FCFF) 1,030,98 5,842,84 16,101-53 17,281-10 18,852,70 Free cash flow to equity (FCFE) 4,438,73 10,272,68 13,559,28 16,288,84 17,831,60 FOFF per share 0,06 0,037 1,01 1,09 1,19 FOFE per share 0,28 0,25 0,28 1,02 1,12 FOFE per share 0,29 2022 2023E 2024E 2022 Eactorning cash flow per share 0,29 1,205 1,41 1,53 Balance Sheet (FHB m) Year Ending Dec 2021 2022 2023E 2024E 2022E Long Serb (FHB m) Year Ending Dec 2021 2022 2023E 2024E 2022E Long Serb (FHB m) Year Ending Dec 2021 2022 2023E 2024E 2024E 2022E 2024E 2022E 2024E 2022E 2024E 2022E 2024E 2022E 2024E 2022E 2024E	· · · · · · · · · · · · · · · · · · ·					
Fine cash flow to firm (FCFF)	•					
Per share (THB)				•	•	-
Per share (THB)	, ,					
FCFF per share		,	.,	.,	.,	,
FCFE per share 0.28		2.22	0.07	4.04	4.00	
Reduring cash flow per share 0.95 1.25 1.29 1.41 1.53	•					
Balance Sheet (THB m) Year Ending Dec 2021 2022 2023E 2024E 2023E						
Tangible fixed assets (gross)	Trecourting each new per chare	0.00	1.20	1.20	111	1.00
Lass: Accumulated depreciation (59,725) (63,503) (69,339) (75,496) (82,165) (75,496) (82,165) (82,165) (83,603) (89,339) (75,496) (82,165) (82,165) (83,603) (89,339) (75,496) (82,165)	Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tanglibe fixed assets (net) 82,905 91,909 92,196 92,591 92,591 Invast linangible fixed assets (net) 18,828 19,160 19,160 19,160 19,160 Invest in associates & subsididaries 1,500 1,966 1,986 1,986 1,986 AC Teach & equivalents 1,500 1,986 1,986 2,986 2,936 8,808 AC Teach with Capital (and the control of the	Tangible fixed assets (gross)	142,630	155,412	161,534	168,087	175,099
Intendipole rixed asserts (net) 18,828 19,100 19,160 19,	Less: Accumulated depreciation	(59,725)	(63,503)	(69,339)	(75,496)	(82,166)
Long-term financial assets	Tangible fixed assets (net)	82,905	91,909	92,196	92,591	92,932
Invest. in associates & subsidiaries 1,600 1,986 1,986 1,986 2,836 36,808 A/C receivable 9,131 10,484 10,484 10,484 10,484 10,484 Inventories 2,005 2,211 2,435 2,596 2,774 Cher current assets 624 132 145 155 166 Current assets 24,401 27,799 33,649 41,611 50,231 Current assets 720 689 68	Intangible fixed assets (net)	18,828	19,160	19,160	19,160	19,160
Cash & equivalents 12,641 14,972 20,585 28,376 36,808 A/C receivable 9,131 10,484 10,484 10,484 10,484 Inventories 2,005 2,211 2,435 2,596 2,774 Other current assets 624 132 145 155 166 Current assets 720 689 689 689 689 Other assets 720 689 689 689 689 Common equity 83,845 89,879 96,063 103,252 110,896 Minorities etc. 3,920 3,844 4,379 4,978 5,637 Total shareholders' equity 87,765 39,713 100,442 10,820 116,534 Long term debt 18,753 23,062 21,062 20,062 20,062 Cher long-term liabilities 9,442 10,032 10,032 10,032 10,032 Long-term liabilities 7,245 5,035 6,176 6,800 7,252 7,747	Long-term financial assets	-	-	-	-	-
AC receivable 9.131 10.484 10.484 10.484 10.484 Inventories 2.005 2.211 2.435 2.596 2.774 1.600 2.211 2.435 1.655 1.660 2.774 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 33.649 41.611 50.231 2.7799 2.7						
Inventories	•					
Other current assets 624 132 145 155 166 Current assets 24,401 27,799 33,649 41,611 50,231 Other assets 720 689 689 689 689 Total assets 128,454 141,543 147,680 156,037 164,999 Common equity 83,845 889,879 96,063 130,325 110,896 Minorities etc. 3,920 3,834 4,379 4,978 5,637 Total shareholders' equity 87,765 93,713 100,442 108,230 116,534 Long term diabilities 9,442 10,032						
Current assets 24,401 27,799 33,649 41,611 50,231 Other assets 720 689 689 689 689 Total assets 128,654 141,543 147,680 156,637 164,999 Common equity 83,845 89,879 96,663 103,252 110,896 Minorities etc. 3,920 3,834 43,79 4,978 5,637 Total shareholders' equity 87,765 93,713 100,422 106,230 21,062 20,662 20,662 Uner dieth 18,753 23,062 21,062 20,562 20,662 Comperm liabilities 9,442 100,32 10,032 10,032 10,032 ACP payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 532 532 532 532 Other current liabilities 12,493 14,543 14,64 14,24 14,83 Current labilities 12,493 14,54 14,64 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Other assets 720 689 689 689 689 Total assets 128,454 141,543 147,680 156,037 164,999 Common equity 83,845 89,879 96,063 103,252 110,896 Minorities etc. 3,920 3,834 4,379 4,978 5,637 Total shareholders' equity 87,765 93,713 100,442 108,230 116,534 Long term debt 18,753 23,062 21,062 20,562 20,062 Other long-term liabilities 9,442 10,032						
Total assets 128,454 141,543 147,680 156,037 164,999 Common equity 83,845 89,879 96,063 103,252 110,896 Minorities etc. 3,920 3,834 4,379 4,978 5,637 Total shareholders' equity 87,765 93,713 100,422 10,632 116,534 Long term debt 18,753 23,062 21,062 20,562 20,062 Other long-term liabilities 9,442 10,032 110,032 10,032 10,032 Long-term liabilities 28,196 33,094 31,094 30,594 30,094 A/C payable 7,6 532 <td></td> <td>•</td> <td></td> <td>•</td> <td>•</td> <td></td>		•		•	•	
Common equity 83,845 89,879 96,063 103,252 110,896 Minorities etc. 3,920 3,834 4,379 4,978 5,637 Total shareholders' equity 87,765 93,713 100,442 106,230 116,534 Long term debt 18,753 23,062 21,062 20,562 20,062 Other Jong-term liabilities 9,442 10,032 10,032 10,032 10,032 Long-term liabilities 28,196 33,094 31,094 30,594 30,094 AC payable 5,035 6,176 6,800 7,252 7,747 Short term debt 7,682 8,028 8,812 9,430 10,092 Current liabilities 12,833 14,736 16,144 17,214 18,371 Total liabilities and shareholders' equity 128,454 141,533 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 1657 111,367						
Minorities etc. 3,920 3,834 4,379 4,978 5,637 Total shareholders' equity 87,765 93,713 100.422 108,230 116,534 Long term debt 18,753 23,062 21,062 20,562 20,062 Other long-term liabilities 9,442 10,032 10,032 10,032 10,032 ACP payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 532 532 532 532 Other current liabilities 12,483 14,736 16,144 17,214 18,371 Other current liabilities and shareholders' equity 128,454 141,543 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 * Includes convertibles and preferred stock which is being treated as debt 2 5.66 6.04 6.50 6.98 Tangibl			,	•	•	
Total shareholders' equity 87,765 93,713 100,442 108,230 116,534 Long term debt 18,753 23,062 21,062 20,562 20,062 Other long-term liabilities 9,442 10,032 10,032 10,032 Long-term liabilities 28,196 33,094 31,094 30,594 30,094 A/C payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 532 532 532 532 532 6176 10,092 11,092 11,042 11,092 11,042 11,092 11,042 11,098 110,352 11,092 11,092 11,092 11,092 11,0						
Long term debt 18,753 23,062 21,062 20,562 20,062 Other long-term liabilities 9,442 10,032 10,032 10,032 10,032 Long-term liabilities 28,196 33,094 31,094 30,994 30,094 A/C payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 532 532 532 Other current liabilities 7,382 8,028 8,812 9,430 10,992 Current liabilities and shareholders' equity 12,493 14,736 16,144 17,214 18,371 Other current liabilities and shareholders' equity 12,493 14,736 16,144 17,214 18,371 Other current liabilities and shareholders' equity 12,484 141,543 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 Per save (THB) <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
Other long-term liabilitities 9,442 10,032 10,032 10,032 10,032 Long-term liabilities 28,196 33,094 31,094 30,594 30,094 A/C payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 532 532 532 Other current liabilities 7,382 8,028 8,812 9,430 10,092 Current liabilities and shareholders' equity 128,454 141,543 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 Valuation 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 5.28 5.66 6	• •	•	•			
Long-term liabilities 28,196 33,094 31,094 30,594 30,094 A/C payable 5,035 6,176 6,800 7,252 7,747 Nort term debt 76 532 532 532 532 Other current liabilities 7,382 8,028 8,812 9,430 10,092 Current liabilities and shareholders' equity 12,493 14,736 16,144 17,214 18,371 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 **Includes convertibles and preferred stock which is being treated as debt **Includes convertibles and preferred stock which is being treated as debt **Per share (THB) Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 5.28 5.66 6.04 6.50 6.98						
A/C payable 5,035 6,176 6,800 7,252 7,747 Short term debt 76 532 5	Long-term liabilities					
Other current liabilities 7,382 8,028 8,812 9,430 10,092 Current liabilities 12,493 14,736 16,144 17,214 18,371 Total liabilities and shareholders' equity 128,454 141,53 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 **Includes convertibles and preferred stock which is being treated as debt **Per share (THB)** Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 **Interest cover (THB)** Net debt/doutly (%) 7.1 9.2 1.0 6.71 (13.9) Net debt/doutla assets (%) 4.8 6.1 0.7 (4.7) (9.8)	A/C payable	5,035	6,176	6,800	7,252	7,747
Current liabilities 12,493 14,736 16,144 17,214 18,371 Total liabilities and shareholders' equity 128,454 141,543 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 *Includes convertibles and preferred stock which is being treated as debt *Per share (THB) Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 *Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/equity (%) 7.1 9.2 1.0 (6.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 *Valuation	Short term debt	76		532		
Total liabilities and shareholders' equity 128,454 141,543 147,680 156,037 164,999 Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 *Includes convertibles and preferred stock which is being treated as debt Per share (THB) Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2024E Recurrin	Other current liabilities	7,382	8,028	8,812		10,092
Net working capital (657) (1,377) (2,548) (3,446) (4,415) Invested capital 103,396 112,367 111,483 110,980 110,352 * Includes convertibles and preferred stock which is being treated as debt	Current liabilities	12,493	14,736	16,144	17,214	18,371
Invested capital 103,396 112,367 111,483 110,980 110,352 *Includes convertibles and preferred stock which is being treated as debt Per share (THB) Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) 56.0 34.4 30.6 27.6 25.4 Recurring P/E @ target price (x) 54.6 34.4 30.6 27.6 25.4 Price/took (x) 5.2 4.8 4.5 4.2 3.9 Price/took (x) 5.2 4.8 4.5 4.2 3.9 Price/took (x) 6.7 6.1 5.6 5.1 4.7 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** EV/IBITDA (x) ** 2021 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Total liabilities and shareholders' equity	128,454	141,543	147,680	156,037	164,999
* Includes convertibles and preferred stock which is being treated as debt * Per share (THB) Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 * Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 * Valuation 2021 2022 2023E 2024E 2025E *Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 * Recurring P/E @ target price (x) * 71.9 44.1 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 * Recurring P/E @ target price (x) * 54.6 34.4 30.6 27.6 25.4 * Price/book (x) 5.2 4.8 1.8 2.0 2.2 * Price/book (x) 5.2 4.8 4.5 4.2 3.9 * Price/angible book (x) 6.7 6.1 5.6 5.1 4.7 * EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6	Net working capital					
Per share (THB) Sook value per share S.28 S.66 S.04 S.29 S.77 S	•		112,367	111,483	110,980	110,352
Book value per share 5.28 5.66 6.04 6.50 6.98 Tangible book value per share 4.09 4.45 4.84 5.29 5.77 Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x)* 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (a) *** 25.6 19.4 17.9 16.2 14.6 <td>* Includes convertibles and preferred stock which is b</td> <td>eing treated as debt</td> <td></td> <td></td> <td></td> <td></td>	* Includes convertibles and preferred stock which is b	eing treated as debt				
Tangible book value per share 4.09 4.45 4.84 5.29 5.77 Financial strength Valuation 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x)* 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA @ target price (x)** 32.7 24.8 23.0 20.8 18.9 EV/invested c	Per share (THB)					
Financial strength Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8 <td>Book value per share</td> <td>5.28</td> <td>5.66</td> <td>6.04</td> <td>6.50</td> <td>6.98</td>	Book value per share	5.28	5.66	6.04	6.50	6.98
Net debt/equity (%) 7.1 9.2 1.0 (6.7) (13.9) Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Picided yield (%) 2.9 1.8 1.8 2.0 2.2 Price/look (x) 5.2 4.8 4.5 4.2 3.9 Price/langible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Tangible book value per share	4.09	4.45	4.84	5.29	5.77
Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/took (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Financial strength					
Net debt/total assets (%) 4.8 6.1 0.7 (4.7) (9.8) Current ratio (x) 2.0 1.9 2.1 2.4 2.7 CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Net debt/equity (%)	7.1	9.2	1.0	(6.7)	(13.9)
CF interest cover (x) 7.8 19.6 36.9 57.9 86.3 Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E (x) 54.6 34.4 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EDITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Net debt/total assets (%)	4.8	6.1	0.7		
Valuation 2021 2022 2023E 2024E 2025E Recurring P/E (x) * 56.0 34.4 30.6 27.6 25.4 Reported P/E @ target price (x) * 71.9 44.1 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Current ratio (x)	2.0	1.9	2.1	2.4	2.7
Recurring P/E (x)* 56.0 34.4 30.6 27.6 25.4 Recurring P/E @ target price (x)* 71.9 44.1 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	CF interest cover (x)	7.8	19.6	36.9	57.9	86.3
Recurring P/E @ target price (x) * 71.9 44.1 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E @ target price (x) * 71.9 44.1 39.4 35.5 32.6 Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Recurring P/E (x) *	56.0	34.4	30.6	27.6	25.4
Reported P/E (x) 54.6 34.4 30.6 27.6 25.4 Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	• , ,					
Dividend yield (%) 2.9 1.8 1.8 2.0 2.2 Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Reported P/E (x)					
Price/book (x) 5.2 4.8 4.5 4.2 3.9 Price/tangible book (x) 6.7 6.1 5.6 5.1 4.7 EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	• • • • • • • • • • • • • • • • • • • •					
EV/EBITDA (x) ** 25.6 19.4 17.9 16.2 14.6 EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Price/book (x)					
EV/EBITDA @ target price (x) ** 32.7 24.8 23.0 20.8 18.9 EV/invested capital (x) 4.3 4.0 3.9 3.9 3.8	Price/tangible book (x)	6.7	6.1	5.6	5.1	4.7
EV/invested capital (x) 4.3 4.0 3.9 3.8	EV/EBITDA (x) **	25.6	19.4	17.9	16.2	14.6
	EV/EBITDA @ target price (x) **					18.9
	EV/invested capital (x)					3.8

Sources: Bangkok Dusit Medical Services; FSSIA estimates

Bangkok Dusit Medical Serv (BDMS TB)

FSSIA ESG rating

★ ★ ★ ★

Exhibit 13: FSSIA ESG score implication

74.00 /100

Rating	Score	Implication
****	>79-100	Leading its industry peers in managing the most significant ESG risks which not only better cost efficiency but also lead to higher profitability.
****	>59-79	A mixed track record of managing the most significant ESG risks and opportunities relative to industry peers.
***	>39-59	Relevant ESG materiality matrix has been constructively addressed, well-managed and incorporated into day-to-day operations, in which targets and achievements are evaluated annually.
**	>19-39	Relevant ESG materiality matrix has been identified with key management in charge for progress to be followed up on and to provide intensive disclosure. Most targets are conventional and achievable.
*	1-19	The company has adopted the United Nations Sustainable Development Goals (UN SDGs), established sustainability management guidelines and fully complies with regulations or ESG suggested guidance from related organizations such as the SET and SEC.

Sources: FSSIA estimates

Exhibit 14: ESG – peer comparison

	FSSIA	Domestic ratings						Global ratings						Bloomberg		
	ESG score	DJSI	SET THSI	THSI	CG score	AGM level	Thai CAC	Morningstar ESG risk	ESG Book	MSCI	Moody's	Refinitiv	S&P Global	ESG score	Disclosure score	
SET100	69.20	5.34	4.40	4.40	4.76	4.65	3.84	Medium	51.76	BBB	20.87	58.72	63.91	3.72	28.17	
Coverage	67.12	5.11	4.15	4.17	4.83	4.71	3.53	Medium	52.04	ВВ	16.97	56.85	62.09	3.40	31.94	
BCH	39.71				4.00	5.00	Certified	High	48.21			27.19	18.00	3.52	47.60	
BDMS	74.00	Υ	Y	Υ	5.00	4.00		Medium	61.06	AA	34.00	59.83	72.00	3.45	58.92	
BH	51.21				4.00	4.00		Medium	64.29	Α	29.00	59.03	27.00	5.08	47.79	
CHG	38.25				4.00	5.00		High	55.35			59.57	21.00	2.34	50.24	
PR9	54.08		Y	Υ	5.00	5.00	Certified	High	71.12			62.39		2.43	37.90	
PRINC	18.00				4.00	4.00	Certified									
RAM	11.75				3.00			High								
THG	18.75				5.00	5.00		High								
VIBHA	20.88				4.00	3.00	Declared	High					17.00			

 $Sources: \underline{\textbf{SETTRADE.com}}; \textbf{FSSIA's compilation}$

Exhibit 15: ESG score by Bloomberg

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	1.08	1.05	2.21	2.76	3.74	3.77	3.76	3.45
BESG environmental pillar score	0.00	0.00	2.04	4.49	4.17	3.84	3.24	2.25
BESG social pillar score	0.14	0.14	1.24	1.48	3.40	3.53	3.54	3.59
BESG governance pillar score	4.56	4.40	4.37	4.19	4.03	4.13	4.51	4.12
ESG disclosure score	32.33	32.33	46.90	47.34	57.35	57.69	58.34	58.92
Environmental disclosure score	0.00	0.00	22.74	24.07	52.31	52.31	54.27	56.00
Social disclosure score	13.21	13.21	34.22	34.22	36.03	37.06	37.06	37.06
Governance disclosure score	83.59	83.59	83.59	83.59	83.59	83.59	83.59	83.59
Environmental								
Emissions reduction initiatives	No							
Climate change policy	No	No	No	No	Yes	Yes	Yes	Yes
Climate change opportunities discussed	No							
Risks of climate change discussed	No							
GHG scope 1	_	_	3	4	9	35	9	34
GHG scope 2 location-based	_	_	91	92	98	94	96	209
GHG Scope 3	_	_	_	_	_	_	_	_
Carbon per unit of production	_	_	_	_	_	_	_	_
Biodiversity policy	No							
Energy efficiency policy	No	No	Yes	Yes	Yes	Yes	Yes	Yes
Total energy consumption	_	_	143	145	152	147	194	497
Renewable energy use	_	_	_	_	_	_	_	5
Electricity used	_	_	143	145	152	147	192	417
Fuel used - natural gas	_	_	_	_	_	_	_	_

Sources: Bloomberg; FSSIA's compilation

Exhibit 16: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 202
Fuel used - crude oil/diesel	No	N						
Waste reduction policy	No	No	No	Yes	Yes	Yes	Yes	Ye
Hazardous waste	_	_	1	2	2	2	3	:
Total waste	_	_	6	7	7	5	9	1:
Waste recycled	_	_	0	1	1	0	1	:
Waste sent to landfills	_	_	_	_	_	_	3	
Environmental supply chain management	No	No	No	No	Yes	Yes	Yes	Ye
Water policy	No	No	No	Yes	Yes	Yes	Yes	Ye
Water consumption	_	_	354	358	388	332	472	75
Social								
Human rights policy	Yes	Ye						
Policy against child labor	No	No	No	No	No	Yes	Yes	Ye
Quality assurance and recall policy	No	No	No	No	Yes	Yes	Yes	Ye
Consumer data protection policy	No	No	Yes	Yes	Yes	Yes	Yes	Υe
Equal opportunity policy	Yes	Υe						
Gender pay gap breakout	No	N						
Pct women in workforce	_	_	82	82	82	82	83	8
Pct disabled in workforce	_	_	_	_	_	_	_	-
Business ethics policy	Yes	Ye						
Anti-bribery ethics policy	Yes	Ye						
Health and safety policy	Yes	Ye						
Lost time incident rate - employees	_	_	0	0	0	0	0	
Total recordable incident rate - employees	_	_	2	2	2	1	1	
Training policy	Yes	Y						
Fair remuneration policy	No	1						
Number of employees – CSR	33,456	36,989	37,505	38,803	40,298	36,254	36,344	40,4
Employee turnover pct	_	· —	18	19	19	17	16	
Total hours spent by firm - employee training	568,960	588,890	795,330	547,592	784,625	476,816	437,209	1,417,32
Social supply chain management	No	No	No	No	Yes	Yes	Yes	Υe
Governance								
Board size	15	14	13	14	14	16	18	1
No. of independent directors (ID)	7	6	6	6	6	7	7	
No. of women on board	2	1	1	1	1	2	2	
No. of non-executive directors on board	9	7	6	8	9	9	9	
Company conducts board evaluations	Yes	Y						
No. of board meetings for the year	13	13	14	12	13	12	12	
Board meeting attendance pct	95	94	98	97	98	98	97	10
Board duration (years)	3	3	3	3	3	3	3	
Director share ownership guidelines	No	1						
Age of the youngest director	45	42	43	44	45	46	47	
Age of the oldest director	83	84	43 85	86	43 87	88	89	
No. of executives / company managers	4	5	5	5	6	7	5	,
No. of female executives	1	1	1	2	1	2	2	
	·							
Executive share ownership guidelines Size of audit committee	No 3	١						
No. of ID on audit committee	3	3	3	3	3	3	3	
Audit committee meetings	10	9	10	7	10	6	6	
Audit meeting attendance %	100	100	100	100	97	100	100	1
Size of compensation committee	4	4	4	4	4	3	3	
No. of ID on compensation committee	3	3	3	2	2	2	2	
No. of compensation committee meetings	3	1	4	4	3	4	4	
Compensation meeting attendance %	100	100	100	100	100	100	100	1
Size of nomination committee	4	4	4	4	4	3	3	
No. of nomination committee meetings	3	1	4	4	3	4	4	
Nomination meeting attendance %	100	100	100	100	100	100	100	10
Sustainability governance								
Verification type	No	1						

Sources: Bloomberg; FSSIA's compilation

Disclaimer for ESG scoring

ESG score	Methodolog	у			Rating								
The Dow Jones Sustainability Indices (<u>DJSI</u>) By S&P Global	process bas from the ann	ed on the com	transparent, rules-based ipanies' Total Sustainabil al Corporate Sustainabili anies within each industr	ity Scores resulting ty Assessment (CSA).	Be a member and invited to the annual S&P Global Corporate Sustainability Assessment (CSA) for DJSI. Companies with an S&P Global ESG Score of less than 45% of the S&P Global ESG Score of the highest scoring company are disqualified. The constituents of the DJSI indices are selected from the Eligible Universe.								
Sustainability Investment List (THSI) by The Stock Exchange of Thailand (SET)	managing be Candidates 1) no irregul float of >150 up capital. S 70%; 2) inde wrongdoing	usiness with tr must pass the ar trading of th shareholders some key disque ependent direct related to CG,	ility in Environmental and ansparency in Governan- preemptive criteria, with he board members and e: , and combined holding rualifying criteria include: 'ctors and free float violatic, social & environmental i harnings in red for > 3 year	ce, updated annually. two crucial conditions: kecutives; and 2) free nust be >15% of paid- 1) CG score of below on; 3) executives' mpacts; 4) equity in	To be eligible for <u>THSI inclusion</u> , verified data must be scored at a minimum of 50% for each indicator, unless the company is a part of DJSI during the assessment year. The scoring will be fairly weighted against the nature of the relevant industry and materiality. <u>SETTHSI Index</u> is extended from the THSI companies whose 1) market capitalization > THB5b (~USD150b); 2) free float >20%; and 3) liquidity >0.5% of paid-up capital for at least 9 out of 12 months. The SETTHSI Index is a market capitalisation-weighted index, cap 5% quarterly weight a maximum, and no cap for number of stocks.								
CG Score by Thai Institute of Directors Association (Thai IOD)	annually by Thailand (St	the Thai IOD,	h in sustainable developr with support from the Sto ts are from the perspectiv s.	ck Exchange of	Good (80-89), and not rated for equitable treater	3 for Good (70 or scores belo nent of shareh (5%); 4) disclo	ories: 5 for Excel 0-79), 2 for Fair (6 w 50. Weightings nolders (weight 2 sure & transpare	60-69), 1 for P s include: 1) th 5% combined	ass (60-69), e rights; 2) an); 3) the role of				
AGM level By Thai Investors Association (TIA) with support from the SEC	treatment ar transparent out of five th criteria cove date (45%), circulation of s exercised. The and verifiability	re incorporated and sufficiently are CG componer AGM proced and after the resufficient informate second assessity; and 3) openned	which shareholders' rights into business operations y disclosed. All form impoents to be evaluated annures before the meeting meeting (10%). (The first a tion for voting; and 2) facilitat es 1) the ease of attending mess for Q&A. The third involvees, resolutions and voting res	s and information is ortant elements of two ually. The assessment (45%), at the meeting ssesses 1) advance ing how voting rights can be eletings; 2) transparency is the meeting minutes that	The scores are classified into four categories: 5 for Excellent (100), 4 for Very Good (90-99), 3 for Fair (80-89), and not rated for scores below 79.								
Thai CAC By Thai Private Sector Collective Action Against Corruption (CAC)	establishme policies. The (Companies of Declaration of Certification, in managers and	ent of key contr e Certification in deciding to become funtent to kick off including risk ass	Checklist include corrupti- rols, and the monitoring a is good for three years. The a CAC certified member si an 18-month deadline to sub- essment, in place of policy an ablishment of whistleblowing Il stakeholders.)	nd developing of tart by submitting a mit the CAC Checklist for nd control, training of	The document will be reviewed by a committee of nine professionals. A passed Checklist will move for granting certification by the CAC Council approvals whose members are twelve highly respected individuals in professionalism and ethical achievements.								
Morningstar Sustainalytics	based on an risk is unma regulatory filin	n assessment of naged. Sources igs, news and oth	sk rating provides an ove of how much of a compar s to be reviewed include corp her media, NGO reports/webs	ny's exposure to ESG orate publications and sites, multi-sector	more risk is un	managed, the	score is the sum higher ESG risk	is scored.					
		ompany feedbac Juality & peer rev	k, ESG controversies, issuer iews.	feedback on draft ESG	NEGL 0-10	Low 10-20	Medium 20-30	High 30-40	Severe 40+				
ESG Book	positioned to the principle helps explai over-weighti	o outperform o of financial m n future risk-ad	sustainable companies the over the long term. The materiality including inform djusted performance. Marth higher materiality and orly basis.	ethodology considers ation that significantly teriality is applied by	The total ESG score is calculated as a weighted sum of the features scores using materiality-based weights. The score is scaled between 0 and 100 with higher scores indicating better performance.								
<u>MSCI</u>			measure a company's mand laggards according to						nethodology to				
	AAA	8.571-10.00	0 Landor	la a dia a ita in duata cia na	i thet	anificant FCC si	alsa and annautumitis						
	AA	7.143-8.570	Leader:	leading its industry in m	anaging ine most s	gnilicant ESG fi	ькь ани орропи п ітіє	15					
	Α	5.714-7.142	2										
	BBB	4.286-5.713	Average:	a mixed or unexception industry peers	nal track record of managing the most significant ESG risks and opportunities relative to								
	ВВ	2.857-4.285	5										
	В	1.429-2.856	Laggard:	lagging its industry base	ed on its high expos	ure and failure to	o manage significar	nt ESG risks					
	CCC	0.000-1.428			ed on its high exposure and failure to manage significant ESG risks								
Moody's ESG colutions	believes tha	t a company ir	gree to which companies ntegrating ESG factors in or shareholders over the	to its business model and									
Refinitiv ESG rating	based on pu	ublicly available	and objectively measure a and auditable data. The ta publicly. (Score ratings a	score ranges from 0 to	100 on relative E	SG performan	ice and insufficie	nt degree of t					
S&P Global			re is a relative score mea				of ESG risks, op	portunities, ar	d impacts				
Bloomberg	ESG Score Bloomberg score evaluating the company's aggregated Environmental, Social and Governance (ESG) performance. The score is based on Bloomberg's view of ESG financial materiality. The score is a weighted generalized mean (power mean) of Pillar Scores, where the weights are determined by the pillar priority ranking. Values range from 0 to 10; 10 is the best.												
			or i mai ocores, wilele	ESG Disclosure Score Disclosure of a company's ESG used for Bloomberg ESG score. The score ranges from 0 for none to 100 for disclosure of every data point, measuring the amount of ESG data reported publicly, and not the performance on any data point.									

Rating regarding the sustainable development of Thai listed companies, both on the SET and MAI, are publicly available on the website of the Securities and Exchange Commission of Thailand (SEC). Currently, ratings available are 1) "CG Score"; 2) "AGM Level"; 3) "Thai CAC"; and 4) THSI. The ratings are updated on an annual basis. FSSIA does not confirm nor certify the accuracy of such ratings.

Source: FSSIA's compilation

GENERAL DISCLAIMER

ANALYST(S) CERTIFICATION

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

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Company	Ticker	Price	Rating	Valuation & Risks
Bangkok Dusit Medical Services	BDMS TB	THB 27.25	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-than-expected capex and opex for CoE projects.
Bumrungrad Hospital	ВН ТВ	THB 235.00	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 prices and medical bill controls; and 3) higher medical fee discount promotions, leading to a weaker EBITDA margin.
Bangkok Chain Hospital	ВСН ТВ	THB 22.40	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.
Chularat Hospital	CHG TB	THB 3.12	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.
Praram 9 Hospital	PR9 TB	THB 17.10	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 53.00	HOLD	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. Downside risks include 1) regulatory risks from drug prices and medical bill controls; and 2) a slowdown in international patients due to economic concerns.
Ramkhamhaeng Hospital	RAM TB	THB 32.75	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.

All share prices are as at market close on 17-Jan-2024 unless otherwise stated.

RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / 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.