

15 NOVEMBER 2023

EQUITY RESEARCH – RESULTS FLASH

CHULARAT HOSPITAL

THAILAND / HEALTH CARE SERVICES

CHG TB**FINANSIA**

FSS INTERNATIONAL INVESTMENT ADVISORY

BUY

UNCHANGED

3Q23 results at first glance**3Q23 core profit jumped by 58% q-q to THB326m, beating our estimate**

TARGET PRICE	THB4.00
CLOSE	THB2.84
UP/DOWNSIDE	+40.8%
TP vs CONSENSUS	+17.2%

Highlights

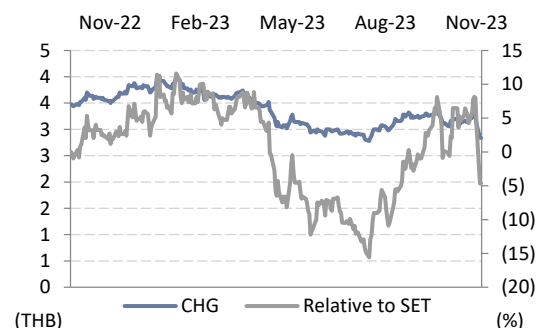
- CHG reported a core profit of THB326m in 3Q23 (+26% y-y, +58% q-q), beating our estimate by 7% and the Bloomberg consensus estimate by 11% mainly due to higher-than-expected cash patient revenue and an EBITDA margin of 26% (vs our forecast of 24%).
- Revenue grew 16% q-q and 3% y-y in 3Q23, beating our estimate. Non-Covid patient revenue (cash patient and NHSO patient revenue) grew by 23% q-q and exceeded the pre-Covid level by 53%. Meanwhile, SSO revenue grew by 2% q-q and exceeded pre-Covid by 32% due to the higher payment rate (THB1,808/head/year from THB1,640 effective May-23).
- Depreciation and interest expenses increased by 12% q-q in the quarter due to CHG Mae Sot and CHG Medical Center, which recently opened.
- The 3Q23 EBITDA margin improved to 26% (vs 21% in 2Q23) thanks to strong cash patient revenue.
- 9M23 core profit of THB772m accounted for 65% of our 2023 forecast of THB1.2b.

Outlook

- We expect the strong earnings momentum to continue in 4Q23. The loss from CHG Mae Sot should decrease as its revenue stream improves. In addition, CHG should book an additional gain of cTHB40-60m from chronic disease treatments in 4Q23 since the actual receipt is likely to exceed the accrued amount.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	10,103	7,606	8,205	8,748
Net profit	2,778	1,186	1,371	1,548
EPS (THB)	0.25	0.11	0.12	0.14
vs Consensus (%)	-	11.1	5.3	12.0
EBITDA	3,947	1,964	2,218	2,467
Recurring net profit	2,778	1,186	1,371	1,548
Core EPS (THB)	0.25	0.11	0.12	0.14
EPS growth (%)	(33.9)	(57.3)	15.5	12.9
Core P/E (x)	11.2	26.3	22.8	20.2
Dividend yield (%)	5.6	2.3	2.6	3.0
EV/EBITDA (x)	7.7	15.1	13.1	11.5
Price/book (x)	4.2	4.1	3.8	3.5
Net debt/Equity (%)	(14.4)	(23.9)	(29.1)	(35.8)
ROE (%)	36.8	15.7	17.4	18.1



Share price performance	1 Month	3 Month	12 Month
Absolute (%)	(9.0)	(5.3)	(19.3)
Relative to country (%)	(4.7)	4.9	(5.5)
Mkt cap (USD m)	866		
3m avg. daily turnover (USD m)	3.3		
Free float (%)	43		
Major shareholder	Kannikar Plussind (18%)		
12m high/low (THB)	4.04/2.60		
Issued shares (m)	11,000.00		

Sources: Bloomberg consensus; FSSIA estimates

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Exhibit 1: CHG - 3Q23 results summary

	3Q22	4Q22	1Q23	2Q23	3Q23	----- Change -----		2023E	Change
	(THB m)	(THB m)	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(y-y %)
Revenue	2,026	1,721	1,716	1,799	2,093	16	3	7,606	(25)
Cost of sales (Incl. depreciation)	(1,480)	(1,229)	(1,276)	(1,380)	(1,486)	8	0	(5,431)	(8)
Gross profit	546	492	440	418	607	45	11	2,175	(48)
SG&A	(253)	(254)	(200)	(222)	(246)	11	(3)	(936)	0
Operating profit	293	238	240	196	361	84	23	1,240	(62)
Other operating income	74	96	73	70	77	10	4	314	3
Interest income	0	2	1	3	1			4	(28)
Equity income	0	(1)	(3)	(2)	(5)				0
EBIT	367	334	309	267	434	63	18	1,558	(56)
Interest expense	(4)	(6)	(4)	(5)	(7)	44	74	(30)	82
EBT	364	328	305	262	427	63	17	1,528	(57)
Income tax	(97)	(40)	(60)	(56)	(90)	63	(7)	(306)	(57)
Minority interests	(8)	(3)	(5)	(0)	(11)		32	(36)	n/a
Core profit	258	285	240	206	326	58	26	1,186	(57)
Extraordinaries									
Net income	258	285	240	206	326	58	26	1,186	(57)
Core EPS (THB)	0.02	0.03	0.02	0.02	0.03	58	26	0.11	(57)
No of share (m)	11,000	11,000	11,000	11,000	11,000	0	0	11,000	0
Cost (Excl. depreciation)	(1,379)	(1,135)	(1,177)	(1,276)	(1,370)	7	(1)	(5,020)	(9)
Depreciation & amortization	(101)	(93)	(99)	(104)	(117)	12	16	(411)	8
EBITDA	468	427	411	370	554	50	18	1,964	(50)
Key ratios	(%)	(%)	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(ppt)
Gross margin	27	29	26	23	29	6	2	29	(13)
SG&A/Revenue	12	15	12	12	12	(1)	(1)	12	3
EBITDA margin	23	25	24	21	26	6	3	26	(13)
Net profit margin	13	17	14	11	16	4	3	16	(12)
Operating stats	(y-y %)	(y-y %)	(y-y %)	(y-y %)	(y-y %)				
SSO revenue	54	(7)	19	23	8				
SSO registered members ('000)	513	520	525	528					
SSO revenue per head	38	(17)	10	17					
Cash-OPD revenue	24	(38)	(41)	(20)	(6)				
Cash-OPD visit number	13	(5)	(19)	(7)					
Cash-OPD revenue per head	10	(34)	(26)	(13)					
Cash-IPD revenue	14	29	(5)	5	24				
Cash-IPD admission number	56	30	9	30					
Cash-IPD revenue per head	(27)	(1)	(13)	(19)					

Sources: CHG; FSSIA estimates

Financial Statements

Chularat Hospital

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	11,742	10,103	7,606	8,205	8,748
Cost of goods sold	(5,882)	(5,908)	(5,431)	(5,777)	(6,068)
Gross profit	5,860	4,195	2,175	2,428	2,680
Other operating income	257	305	314	323	333
Operating costs	(821)	(935)	(936)	(976)	(1,015)
Operating EBITDA	5,647	3,947	1,964	2,218	2,467
Depreciation	(351)	(382)	(411)	(444)	(469)
Goodwill amortisation	-	-	-	-	-
Operating EBIT	5,296	3,565	1,553	1,774	1,998
Net financing costs	(19)	(10)	(25)	(14)	(12)
Associates	0	(1)	0	0	0
Recurring non-operating income	0	(1)	0	0	0
Non-recurring items	0	0	0	0	0
Profit before tax	5,276	3,554	1,528	1,761	1,986
Tax	(1,009)	(703)	(306)	(352)	(397)
Profit after tax	4,267	2,850	1,222	1,409	1,589
Minority interests	(63)	(72)	(36)	(38)	(41)
Preferred dividends	-	-	-	-	-
Other items	-	-	-	-	-
Reported net profit	4,204	2,778	1,186	1,371	1,548
Non-recurring items & goodwill (net)	0	0	0	0	0
Recurring net profit	4,204	2,778	1,186	1,371	1,548
Per share (THB)					
Recurring EPS *	0.38	0.25	0.11	0.12	0.14
Reported EPS	0.38	0.25	0.11	0.12	0.14
DPS	0.20	0.16	0.06	0.07	0.08
Diluted shares (used to calculate per share data)	11,000	11,000	11,000	11,000	11,000
Growth					
Revenue (%)	116.1	(14.0)	(24.7)	7.9	6.6
Operating EBITDA (%)	287.4	(30.1)	(50.2)	12.9	11.2
Operating EBIT (%)	379.7	(32.7)	(56.4)	14.2	12.6
Recurring EPS (%)	379.6	(33.9)	(57.3)	15.5	12.9
Reported EPS (%)	379.6	(33.9)	(57.3)	15.5	12.9
Operating performance					
Gross margin inc. depreciation (%)	49.9	41.5	28.6	29.6	30.6
Gross margin exc. depreciation (%)	52.9	45.3	34.0	35.0	36.0
Operating EBITDA margin (%)	48.1	39.1	25.8	27.0	28.2
Operating EBIT margin (%)	45.1	35.3	20.4	21.6	22.8
Net margin (%)	35.8	27.5	15.6	16.7	17.7
Effective tax rate (%)	19.1	19.8	20.0	20.0	20.0
Dividend payout on recurring profit (%)	52.3	63.3	60.0	60.0	60.0
Interest cover (X)	271.9	349.5	61.3	129.4	161.2
Inventory days	15.6	18.5	18.4	17.0	17.1
Debtor days	17.1	24.8	38.1	38.9	38.2
Creditor days	46.6	55.9	59.0	54.5	54.9
Operating ROIC (%)	83.2	47.1	19.8	23.9	27.1
ROIC (%)	80.4	45.1	18.8	22.6	25.6
ROE (%)	72.5	36.8	15.7	17.4	18.1
ROA (%)	51.1	27.4	12.5	14.2	14.8
* Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Cash patient revenue	4,222	5,160	4,859	5,255	5,684
SSO patient revenue	1,928	2,149	2,324	2,513	2,615
NHSO patient revenue	5,592	2,794	424	436	449

Sources: Chularat Hospital; FSSIA estimates

Financial Statements

Chularat Hospital

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	4,204	2,778	1,186	1,371	1,548
Depreciation	351	382	411	444	469
Associates & minorities	-	-	-	-	-
Other non-cash items	50	117	36	38	41
Change in working capital	(540)	(696)	914	(91)	(10)
Cash flow from operations	4,065	2,582	2,548	1,762	2,048
Capex - maintenance	(539)	(777)	(600)	(410)	(350)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	0	(142)	0	0	0
Other investments (net)	-	-	-	-	-
Cash flow from investing	(539)	(919)	(600)	(410)	(350)
Dividends paid	(660)	(2,805)	(1,155)	(712)	(823)
Equity finance	0	0	0	0	0
Debt finance	(665)	356	(470)	0	0
Other financing cash flows	40	(3)	(36)	(38)	(41)
Cash flow from financing	(1,284)	(2,452)	(1,661)	(750)	(863)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	2,242	(789)	287	602	835
Free cash flow to firm (FCFF)	3,547.55	1,679.02	1,977.55	1,370.49	1,716.84
Free cash flow to equity (FCFE)	2,901.73	2,016.07	1,441.63	1,314.16	1,657.50

Per share (THB)	2021	2022	2023E	2024E	2025E
FCFF per share	0.32	0.15	0.18	0.12	0.16
FCFE per share	0.26	0.18	0.13	0.12	0.15
Recurring cash flow per share	0.42	0.30	0.15	0.17	0.19

Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	7,129	7,867	8,467	8,878	9,228
Less: Accumulated depreciation	(2,661)	(2,987)	(3,398)	(3,842)	(4,311)
Tangible fixed assets (net)	4,468	4,880	5,069	5,035	4,916
Intangible fixed assets (net)	47	47	47	47	47
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	0	142	142	142	142
Cash & equivalents	2,790	2,001	2,287	2,890	3,725
A/C receivable	616	757	833	915	915
Inventories	295	265	241	256	268
Other current assets	2,196	2,036	878	947	1,009
Current assets	5,897	5,058	4,239	5,007	5,917
Other assets	137	152	152	152	152
Total assets	10,550	10,280	9,649	10,384	11,175
Common equity	7,569	7,523	7,555	8,214	8,939
Minorities etc.	272	341	341	341	341
Total shareholders' equity	7,841	7,864	7,895	8,554	9,280
Long term debt	480	470	0	0	0
Other long-term liabilities	137	233	233	233	233
Long-term liabilities	617	704	233	233	233
A/C payable	842	851	773	821	862
Short term debt	34	400	400	400	400
Other current liabilities	1,215	462	348	375	400
Current liabilities	2,092	1,712	1,520	1,596	1,662
Total liabilities and shareholders' equity	10,550	10,280	9,649	10,384	11,175
Net working capital	1,050	1,745	831	922	931
Invested capital	5,702	6,967	6,241	6,298	6,189

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

Per share (THB)	2021	2022	2023E	2024E	2025E
Book value per share	0.69	0.68	0.69	0.75	0.81
Tangible book value per share	0.68	0.68	0.68	0.74	0.81

Financial strength	2021	2022	2023E	2024E	2025E
Net debt/equity (%)	(29.0)	(14.4)	(23.9)	(29.1)	(35.8)
Net debt/total assets (%)	(21.6)	(11.0)	(19.6)	(24.0)	(29.8)
Current ratio (x)	2.8	3.0	2.8	3.1	3.6
CF interest cover (x)	150.0	198.7	57.9	96.9	134.7

Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	7.4	11.2	26.3	22.8	20.2
Recurring P/E @ target price (x) *	10.5	15.8	37.1	32.1	28.4
Reported P/E (x)	7.4	11.2	26.3	22.8	20.2
Dividend yield (%)	7.0	5.6	2.3	2.6	3.0
Price/book (x)	4.1	4.2	4.1	3.8	3.5
Price/tangible book (x)	4.2	4.2	4.2	3.8	3.5
EV/EBITDA (x) **	5.2	7.7	15.1	13.1	11.5
EV/EBITDA @ target price (x) **	7.4	10.9	21.6	18.9	16.6
EV/invested capital (x)	5.1	4.4	4.8	4.6	4.6

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

Sources: Chularat Hospital; FSSIA estimates

Chularat Hospital PCL (CHG TB)

FSSIA ESG rating

38.25 /100
Exhibit 2: FSSIA ESG score implication

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 3: ESG – peer comparison

	FSSIA ESG score	Domestic ratings						Global ratings						Bloomberg	
		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	BB	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	Y	Y	Y	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	A	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	Y	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: SETTRADE.com; FSSIA's compilation
Exhibit 4: ESG score by Bloomberg

FY ending Dec 31	FY 2019	FY 2020	FY 2021	FY 2022
ESG financial materiality scores - ESG score	—	—	2.21	2.34
BESG environmental pillar score	—	—	4.04	4.18
BESG social pillar score	—	—	0.74	0.79
BESG governance pillar score	—	—	4.19	4.49
ESG disclosure score	36.82	36.82	41.54	50.24
Environmental disclosure score	16.49	16.49	17.67	32.92
Social disclosure score	12.70	12.70	19.41	30.29
Governance disclosure score	81.10	81.10	87.36	87.36
Environmental				
Emissions reduction initiatives	Yes	Yes	Yes	Yes
Climate change policy	No	No	Yes	Yes
Climate change opportunities discussed	No	No	No	No
Risks of climate change discussed	No	No	No	No
GHG scope 1	0	0	0	0
GHG scope 2 location-based	4	4	4	4
GHG Scope 3	1	1	1	1
Carbon per unit of production	—	—	—	—
Biodiversity policy	No	No	No	No
Energy efficiency policy	Yes	Yes	Yes	Yes
Total energy consumption	—	—	—	—
Renewable energy use	—	—	—	—
Electricity used	4	4	4	7
Fuel used - natural gas	—	—	—	—

Sources: Bloomberg; FSSIA's compilation

Exhibit 5: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No
Waste reduction policy	Yes	Yes	Yes	Yes
Hazardous waste	0	0	0	0
Total waste	1	1	1	1
Waste recycled	0	0	0	0
Waste sent to landfills	—	—	—	—
Environmental supply chain management	No	No	No	No
Water policy	No	No	Yes	Yes
Water consumption	89	73	80	70
Social				
Human rights policy	Yes	Yes	Yes	Yes
Policy against child labor	Yes	Yes	Yes	Yes
Quality assurance and recall policy	No	No	No	No
Consumer data protection policy	Yes	Yes	Yes	Yes
Equal opportunity policy	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No
Pct women in workforce	—	—	84	85
Pct disabled in workforce	—	—	—	—
Business ethics policy	Yes	Yes	Yes	Yes
Anti-bribery ethics policy	Yes	Yes	Yes	Yes
Health and safety policy	Yes	Yes	Yes	Yes
Lost time incident rate - employees	—	—	—	0
Total recordable incident rate - employees	—	—	—	—
Training policy	Yes	Yes	Yes	Yes
Fair remuneration policy	No	No	No	No
Number of employees – CSR	3,612	3,616	3,871	4,520
Employee turnover pct	—	—	20	20
Total hours spent by firm - employee training	—	—	32,904	85,880
Social supply chain management	No	No	No	No
Governance				
Board size	12	12	12	12
No. of independent directors (ID)	4	4	4	4
No. of women on board	2	2	2	2
No. of non-executive directors on board	11	11	11	10
Company conducts board evaluations	Yes	Yes	Yes	Yes
No. of board meetings for the year	6	7	7	6
Board meeting attendance pct	100	100	95	100
Board duration (years)	3	3	3	3
Director share ownership guidelines	No	No	No	No
Age of the youngest director	60	62	63	59
Age of the oldest director	77	78	79	80
No. of executives / company managers	6	6	6	6
No. of female executives	2	2	2	2
Executive share ownership guidelines	No	No	No	No
Size of audit committee	3	3	3	3
No. of ID on audit committee	3	3	3	3
Audit committee meetings	5	5	5	5
Audit meeting attendance %	100	100	100	100
Size of compensation committee	5	5	5	5
No. of ID on compensation committee	4	4	4	4
No. of compensation committee meetings	2	2	2	2
Compensation meeting attendance %	100	100	83	100
Size of nomination committee	5	5	5	5
No. of nomination committee meetings	2	2	2	2
Nomination meeting attendance %	100	100	83	100
Sustainability governance				
Verification type	No	No	No	No

Sources: Bloomberg; FSSIA's compilation

Disclaimer for ESG scoring

ESG score	Methodology	Rating																											
The Dow Jones Sustainability Indices (DJSI) By S&P Global	The DJSI World applies a transparent, rules-based component selection process based on the companies' Total Sustainability Scores resulting from the annual S&P Global Corporate Sustainability Assessment (CSA). Only the top-ranked companies within each industry are selected for inclusion.	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)	THSI quantifies responsibility in Environmental and Social issues by managing business with transparency in Governance, updated annually. Candidates must pass the preemptive criteria, with two crucial conditions: 1) no irregular trading of the board members and executives; and 2) free float of >150 shareholders, and combined holding must be >15% of paid-up capital. Some key disqualifying criteria include: 1) CG score of below 70%; 2) independent directors and free float violation; 3) executives' wrongdoing related to CG, social & environmental impacts; 4) equity in negative territory; and 5) earnings in red for > 3 years in the last 5 years.	To be eligible for THSI inclusion , 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. SETTHSI Index 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 at maximum, and no cap for number of stocks.																											
CG Score by Thai Institute of Directors Association (Thai IOD)	An indicator of CG strength in sustainable development, measured annually by the Thai IOD, with support from the Stock Exchange of Thailand (SET). The results are from the perspective of a third party, not an evaluation of operations.	Scores are rated in six categories: 5 for Excellent (90-100), 4 for Very Good (80-89), 3 for Good (70-79), 2 for Fair (60-69), 1 for Pass (60-69), and not rated for scores below 50. Weightings include: 1) the rights; 2) and equitable treatment of shareholders (weight 25% combined); 3) the role of stakeholders (25%); 4) disclosure & transparency (15%); and 5) board responsibilities (35%).																											
AGM level By Thai Investors Association (TIA) with support from the SEC	It quantifies the extent to which shareholders' rights and equitable treatment are incorporated into business operations and information is transparent and sufficiently disclosed. All form important elements of two out of five the CG components to be evaluated annually. The assessment criteria cover AGM procedures before the meeting (45%), at the meeting date (45%), and after the meeting (10%). <i>(The first assesses 1) advance circulation of sufficient information for voting; and 2) facilitating how voting rights can be exercised. The second assesses 1) the ease of attending meetings; 2) transparency and verifiability; and 3) openness for Q&A. The third involves the meeting minutes that should contain discussion issues, resolutions and voting results.)</i>	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)	The core elements of the Checklist include corruption risk assessment, establishment of key controls, and the monitoring and developing of policies. The Certification is good for three years. <i>(Companies deciding to become a CAC certified member start by submitting a Declaration of Intent to kick off an 18-month deadline to submit the CAC Checklist for Certification, including risk assessment, in place of policy and control, training of managers and employees, establishment of whistleblowing channels, and communication of policies to all stakeholders.)</i>	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	The Sustainalytics' ESG risk rating provides an overall company score based on an assessment of how much of a company's exposure to ESG risk is unmanaged. <i>Sources to be reviewed include corporate publications and regulatory filings, news and other media, NGO reports/websites, multi-sector information, company feedback, ESG controversies, issuer feedback on draft ESG reports, and quality & peer reviews.</i>	A company's ESG risk rating score is the sum of unmanaged risk. The more risk is unmanaged, the higher ESG risk is scored. <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th>NEGL</th> <th>Low</th> <th>Medium</th> <th>High</th> <th>Severe</th> </tr> </thead> <tbody> <tr> <td>0-10</td> <td>10-20</td> <td>20-30</td> <td>30-40</td> <td>40+</td> </tr> </tbody> </table>	NEGL	Low	Medium	High	Severe	0-10	10-20	20-30	30-40	40+																	
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ESG Book	The ESG score identifies sustainable companies that are better positioned to outperform over the long term. The methodology considers the principle of financial materiality including information that significantly helps explain future risk-adjusted performance. Materiality is applied by over-weighting features with higher materiality and rebalancing these weights on a rolling quarterly basis.	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.																											
MSCI	MSCI ESG ratings aim to measure a company's management of financially relevant ESG risks and opportunities. It uses a rules-based methodology to identify industry leaders and laggards according to their exposure to ESG risks and how well they manage those risks relative to peers. <table border="1" style="margin-left: auto; margin-right: auto;"> <tbody> <tr> <td>AAA</td> <td>8.571-10.000</td> <td>Leader:</td> <td>leading its industry in managing the most significant ESG risks and opportunities</td> </tr> <tr> <td>AA</td> <td>7.143-8.570</td> <td></td> <td></td> </tr> <tr> <td>A</td> <td>5.714-7.142</td> <td></td> <td></td> </tr> <tr> <td>BBB</td> <td>4.286-5.713</td> <td>Average:</td> <td>a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers</td> </tr> <tr> <td>BB</td> <td>2.857-4.285</td> <td></td> <td></td> </tr> <tr> <td>B</td> <td>1.429-2.856</td> <td></td> <td></td> </tr> <tr> <td>CCC</td> <td>0.000-1.428</td> <td>Laggard:</td> <td>lagging its industry based on its high exposure and failure to manage significant ESG risks</td> </tr> </tbody> </table>	AAA	8.571-10.000	Leader:	leading its industry in managing the most significant ESG risks and opportunities	AA	7.143-8.570			A	5.714-7.142			BBB	4.286-5.713	Average:	a mixed or unexceptional track record of managing the most significant ESG risks and opportunities relative to industry peers	BB	2.857-4.285			B	1.429-2.856			CCC	0.000-1.428	Laggard:	lagging its industry based on its high exposure and failure to manage significant ESG risks
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Moody's ESG solutions	Moody's assesses the degree to which companies take into account ESG objectives in the definition and implementation of their strategy policies. It believes that a company integrating ESG factors into its business model and relatively outperforming its peers is better positioned to mitigate risks and create sustainable value for shareholders over the medium to long term.																												
Refinitiv ESG rating	Designed to transparently and objectively measure a company's relative ESG performance, commitment and effectiveness across 10 main themes, based on publicly available and auditable data. The score ranges from 0 to 100 on relative ESG performance and insufficient degree of transparency in reporting material ESG data publicly. <i>(Score ratings are 0 to 25 = poor; >25 to 50 = satisfactory; >50 to 75 = good; and >75 to 100 = excellent.)</i>																												
S&P Global	The S&P Global ESG Score is a relative score measuring a company's performance on and management of ESG risks, opportunities, and impacts compared to its peers within the same industry classification. The score ranges from 0 to 100.																												
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.																											
Bloomberg	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

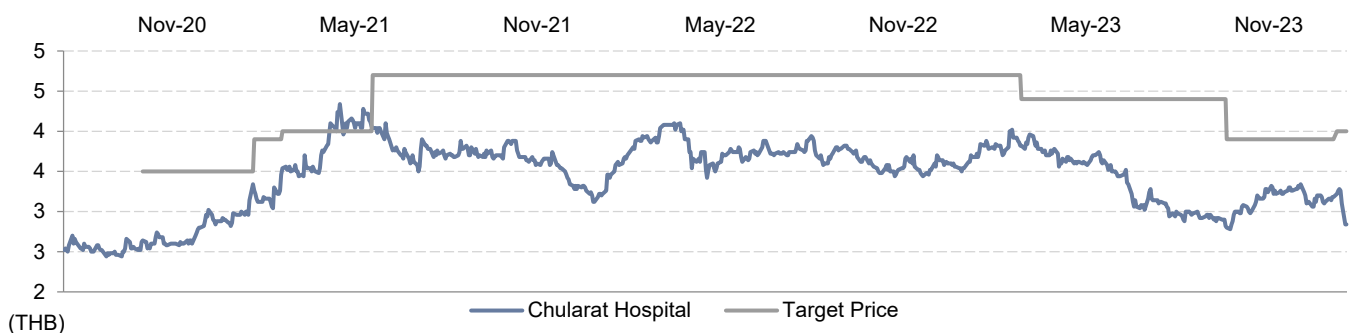
The individual(s) identified above certify(ies) that (i) all views expressed in this report accurately reflect the personal view of the analyst(s) with regard to any and all of the subject securities, companies or issuers mentioned in this report; and (ii) no part of the compensation of the analyst(s)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

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History of change in investment rating and/or target price

Chularat Hospital (CHG TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
21-Jan-2021	BUY	3.50	05-Aug-2021	BUY	4.70	03-Nov-2023	BUY	4.00
26-Apr-2021	BUY	3.90	09-Feb-2023	BUY	4.40			
20-May-2021	BUY	4.00	03-Aug-2023	BUY	3.90			

Teerapol Udomvej, CFA started covering this stock from 30-Jul-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Chularat Hospital	CHG TB	THB 2.84	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.

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 14-Nov-2023 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.