

BANGKOK CHAIN HOSPITAL

THAILAND / HEALTH CARE SERVICES

BCH TB

BUY

 UNCHANGED

Key takeaways from analyst meeting

TARGET PRICE	THB24.50
CLOSE	THB21.10
UP/DOWNSIDE	+16.1%
TP vs CONSENSUS	+10.8%

Highlights

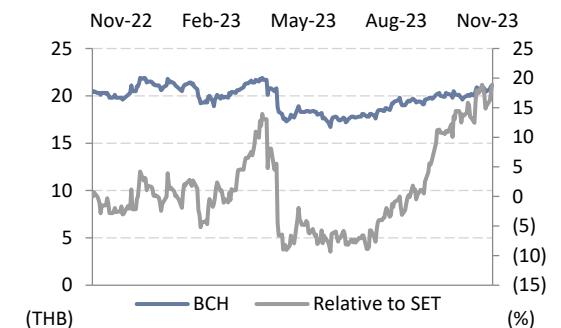
- We have a positive view from BCH's 3Q23 analyst meeting.
- Management revised down their 2024 revenue growth guidance to THB12.0b-13.0b (from THB12.7b-13.0b). This implies revenue of more than THB3.3b in 4Q23, indicating strong growth compared to THB3.2b in 3Q23 and THB2.8b in 4Q22. Key expected drivers are strong patient volumes, both Thai and international, and an additional gain from chronic disease treatments from the Social Security Office (SSO).
- The 4Q23 margin should improve q-q thanks to the absence of an FX loss from KIH Vientiane and an additional gain from the SSO.
- The performance of three new hospitals (KIH Aranyaprathet, KH Prachinburi and KIH Vientiane) has improved, with EBITDA (excluding FX loss) totaling THB20m in 3Q23 (vs THB15m in 2Q23).
- Management expects KIH Vientiane and KIH Aranyaprathet to turn profitable by 2024, while KH Prachinburi should turn around by 2025, as it needs to ramp up its SSO registered member base (from 30k currently).
- International patient revenue jumped by 28% q-q and 20% y-y to THB585m in 3Q23, driven by revenue from Middle East and CLMV patients, which exceeded pre-Covid levels by 1% and 184%, respectively. BCH targets revenue contributions from international patients to increase from 17% in 9M23 to 20% in 2024.
- BCH expects SSO registered members to increase from 1.01m currently to 1.05m in 2024. Three hospitals whose registered members have reached the full quota may receive an additional 5-10% quota if the hospitals have quality appointment and telemedicine systems.
- The SSO is likely to extend MOUs on five diseases, for which medical fees of THB15,000/rw (from normal rate of THB12,000) can be reimbursed, for six months until June-24. In addition, the SSO may raise the payment rate related to dental treatments to THB1,300 per member from THB900.

Recommendation

- We maintain our forecast and our 2024 DCF-based TP of THB24.5/shr. BCH trades at 31x 2024E P/E, its 5-year average. Share price catalysts would be strong earnings growth in 2024, premised on the turnaround of its three new hospitals, and a reduction in one-off expenses, including an FX loss of THB132m and a THB80m-100m UCEP Covid provision which was booked in 2023.

KEY STOCK DATA

YE Dec (THB m)	2022	2023E	2024E	2025E
Revenue	18,827	12,851	14,089	15,342
Net profit	3,039	1,357	1,697	2,011
EPS (THB)	1.22	0.54	0.68	0.81
vs Consensus (%)	-	(5.1)	(3.4)	3.6
EBITDA	5,059	2,956	3,424	3,882
Recurring net profit	3,039	1,357	1,697	2,011
Core EPS (THB)	1.22	0.54	0.68	0.81
EPS growth (%)	(55.6)	(55.4)	25.1	18.5
Core P/E (x)	17.3	38.8	31.0	26.2
Dividend yield (%)	6.6	2.4	1.4	1.8
EV/EBITDA (x)	10.9	17.9	15.1	13.0
Price/book (x)	4.2	4.2	3.9	3.6
Net debt/Equity (%)	9.2	(6.1)	(13.9)	(21.2)
ROE (%)	23.9	10.9	13.0	14.3



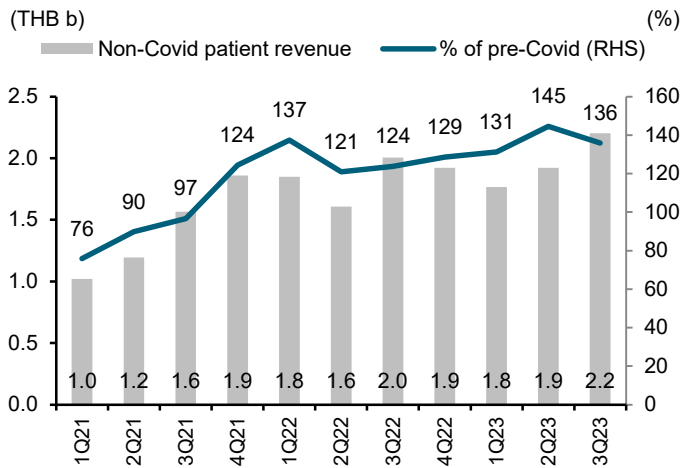
Share price performance	1 Month	3 Month	12 Month
Absolute (%)	5.0	12.2	6.6
Relative to country (%)	3.9	22.7	21.7
Mkt cap (USD m)	1,494		
3m avg. daily turnover (USD m)	6.2		
Free float (%)	50		
Major shareholder	Chalerm Hamphanich (33%)		
12m high/low (THB)	22.20/16.60		
Issued shares (m)	2,493.75		

Sources: Bloomberg consensus; FSSIA estimates


Teerapol Udomvej, CFA

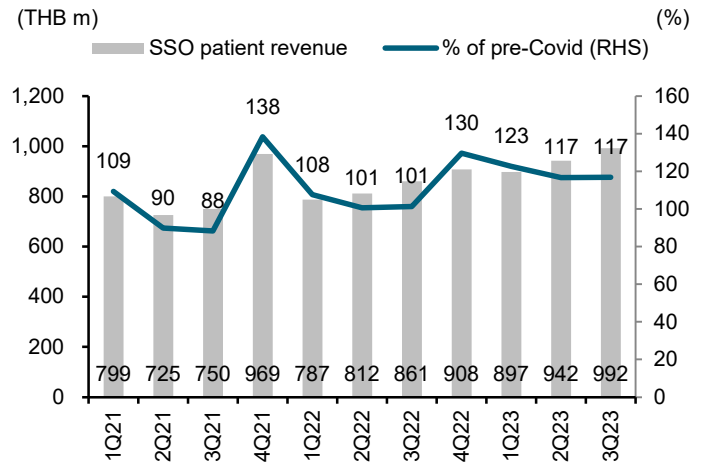
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Exhibit 1: Non-Covid general patient revenue, quarterly



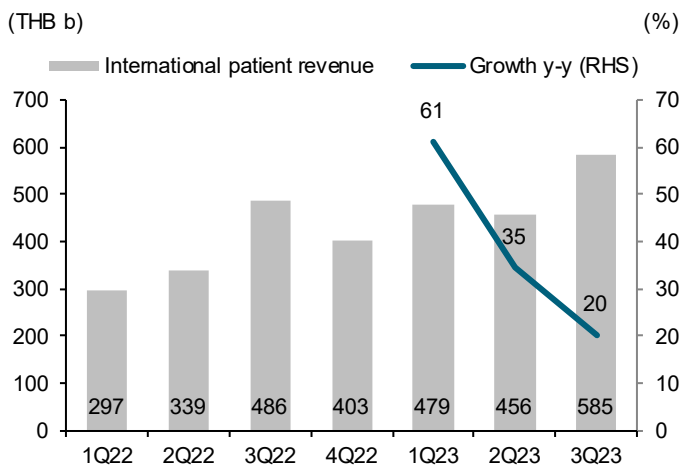
Source: BCH

Exhibit 2: SSO revenue, quarterly



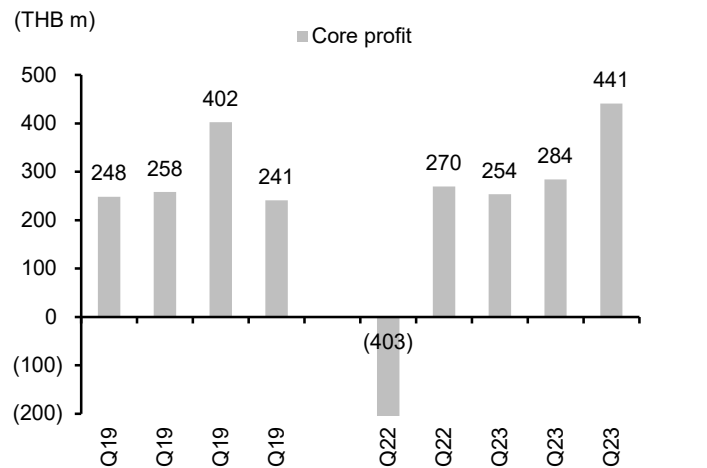
Source: BCH

Exhibit 3: International patient revenue, quarterly



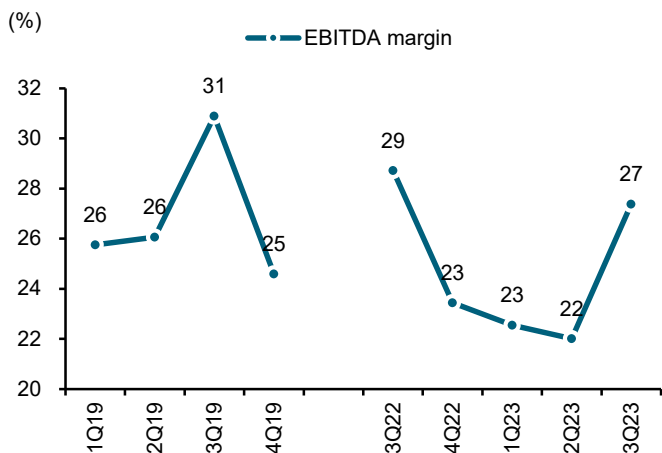
Source: BCH

Exhibit 4: Core profit, quarterly



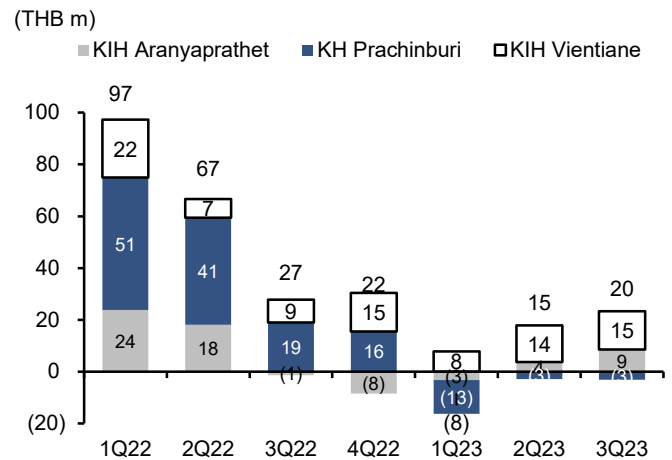
Source: BCH

Exhibit 5: EBITDA margin



Note: 3Q22 excludes Moderna write-off
Sources: BCH; FSSIA estimates

Exhibit 6: Three new hospitals' EBITDA trend



Sources: BCH; FSSIA's compilation

Financial Statements

Bangkok Chain Hospital

Profit and Loss (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Revenue	21,405	18,827	12,851	14,089	15,342
Cost of goods sold	(10,561)	(12,772)	(8,971)	(9,691)	(10,427)
Gross profit	10,844	6,055	3,880	4,399	4,915
Other operating income	-	-	-	-	-
Operating costs	(1,469)	(1,946)	(1,928)	(2,015)	(2,133)
Operating EBITDA	10,248	5,059	2,956	3,424	3,882
Depreciation	(874)	(950)	(1,003)	(1,040)	(1,099)
Goodwill amortisation	-	-	-	-	-
Operating EBIT	9,374	4,109	1,953	2,384	2,783
Net financing costs	(147)	(148)	(121)	(108)	(94)
Associates	2	0	2	2	2
Recurring non-operating income	127	84	88	92	96
Non-recurring items	0	0	0	0	0
Profit before tax	9,354	4,046	1,920	2,368	2,785
Tax	(1,846)	(888)	(384)	(473)	(557)
Profit after tax	7,507	3,157	1,536	1,895	2,228
Minority interests	(661)	(118)	(179)	(197)	(217)
Preferred dividends	-	-	-	-	-
Other items	-	-	-	-	-
Reported net profit	6,846	3,039	1,357	1,697	2,011
Non-recurring items & goodwill (net)	0	0	0	0	0
Recurring net profit	6,846	3,039	1,357	1,697	2,011
Per share (THB)					
Recurring EPS *	2.75	1.22	0.54	0.68	0.81
Reported EPS	2.75	1.22	0.54	0.68	0.81
DPS	0.33	1.40	0.50	0.30	0.37
Diluted shares (used to calculate per share data)	2,494	2,494	2,494	2,494	2,494
Growth					
Revenue (%)	139.8	(12.0)	(31.7)	9.6	8.9
Operating EBITDA (%)	306.3	(50.6)	(41.6)	15.8	13.4
Operating EBIT (%)	438.6	(56.2)	(52.5)	22.1	16.7
Recurring EPS (%)	456.9	(55.6)	(55.4)	25.1	18.5
Reported EPS (%)	456.9	(55.6)	(55.4)	25.1	18.5
Operating performance					
Gross margin inc. depreciation (%)	50.7	32.2	30.2	31.2	32.0
Gross margin exc. depreciation (%)	54.7	37.2	38.0	38.6	39.2
Operating EBITDA margin (%)	47.9	26.9	23.0	24.3	25.3
Operating EBIT margin (%)	43.8	21.8	15.2	16.9	18.1
Net margin (%)	32.0	16.1	10.6	12.0	13.1
Effective tax rate (%)	19.7	22.0	20.0	20.0	20.0
Dividend payout on recurring profit (%)	12.0	114.9	91.9	44.0	46.4
Interest cover (X)	64.5	28.4	16.9	23.0	30.6
Inventory days	12.9	12.3	13.9	10.7	10.8
Debtor days	42.9	49.3	43.7	39.9	36.6
Creditor days	40.3	41.0	49.9	38.6	38.7
Operating ROIC (%)	51.4	21.4	11.7	15.6	18.4
ROIC (%)	50.1	21.0	11.7	15.3	18.0
ROE (%)	68.9	23.9	10.9	13.0	14.3
ROA (%)	35.5	14.2	8.3	10.1	11.2
* Pre exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)					
Cash patient revenue	7,476	9,372	9,099	10,032	10,954
SSO patient revenue	2,905	3,371	3,752	4,058	4,388
NHSO patient revenue	11,023	6,084	0	0	0

Sources: Bangkok Chain Hospital; FSSIA estimates

Financial Statements

Bangkok Chain Hospital

Cash Flow (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Recurring net profit	6,846	3,039	1,357	1,697	2,011
Depreciation	874	950	1,003	1,040	1,099
Associates & minorities	-	-	-	-	-
Other non-cash items	660	24	176	197	217
Change in working capital	(2,204)	1,459	1,786	125	125
Cash flow from operations	6,175	5,471	4,322	3,059	3,452
Capex - maintenance	(678)	(984)	(896)	(986)	(1,074)
Capex - new investment	-	-	-	-	-
Net acquisitions & disposals	(1)	2	0	0	0
Other investments (net)	-	-	-	-	-
Cash flow from investing	(679)	(982)	(896)	(986)	(1,074)
Dividends paid	(821)	(3,491)	(1,247)	(746)	(933)
Equity finance	0	0	0	0	0
Debt finance	(274)	(3,153)	0	(800)	0
Other financing cash flows	(90)	(462)	(99)	(109)	(119)
Cash flow from financing	(1,186)	(7,106)	(1,346)	(1,655)	(1,053)
Non-recurring cash flows	-	-	-	-	-
Other adjustments	0	0	0	0	0
Net other adjustments	0	0	0	0	0
Movement in cash	4,310	(2,616)	2,080	418	1,326
Free cash flow to firm (FCFF)	5,647.32	4,645.31	3,550.83	2,188.14	2,480.26
Free cash flow to equity (FCFE)	5,131.91	875.07	3,327.20	1,164.45	2,258.92

Per share (THB)

FCFF per share	2.26	1.86	1.42	0.88	0.99
FCFE per share	2.06	0.35	1.33	0.47	0.91
Recurring cash flow per share	3.36	1.61	1.02	1.18	1.33

Balance Sheet (THB m) Year Ending Dec	2021	2022	2023E	2024E	2025E
Tangible fixed assets (gross)	19,417	20,274	21,174	22,160	23,234
Less: Accumulated depreciation	(7,175)	(7,992)	(8,995)	(10,035)	(11,134)
Tangible fixed assets (net)	12,243	12,282	12,179	12,125	12,100
Intangible fixed assets (net)	540	425	425	425	425
Long-term financial assets	-	-	-	-	-
Invest. in associates & subsidiaries	34	32	32	32	32
Cash & equivalents	5,256	2,640	4,720	5,139	6,464
A/C receivable	3,547	1,539	1,539	1,539	1,539
Inventories	437	362	244	265	285
Other current assets	4,302	2,294	124	135	148
Current assets	13,541	6,835	6,626	7,077	8,436
Other assets	26	223	223	223	223
Total assets	26,384	19,796	19,485	19,882	21,215
Common equity	12,980	12,445	12,555	13,506	14,583
Minorities etc.	1,326	1,065	1,146	1,234	1,332
Total shareholders' equity	14,306	13,510	13,700	14,740	15,916
Long term debt	6,791	3,888	3,888	3,088	3,088
Other long-term liabilities	170	163	163	163	163
Long-term liabilities	6,961	4,051	4,051	3,251	3,251
A/C payable	1,358	1,300	876	951	1,026
Short term debt	250	0	0	0	0
Other current liabilities	3,510	935	856	939	1,022
Current liabilities	5,117	2,235	1,733	1,890	2,048
Total liabilities and shareholders' equity	26,384	19,796	19,485	19,882	21,215
Net working capital	3,418	1,959	173	49	(77)
Invested capital	16,260	14,921	13,032	12,853	12,703

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

Per share (THB)

Book value per share	5.20	4.99	5.03	5.42	5.85
Tangible book value per share	4.99	4.82	4.86	5.25	5.68

Financial strength

Net debt/equity (%)	12.5	9.2	(6.1)	(13.9)	(21.2)
Net debt/total assets (%)	6.8	6.3	(4.3)	(10.3)	(15.9)
Current ratio (x)	2.6	3.1	3.8	3.7	4.1
CF interest cover (x)	35.9	6.9	28.5	11.8	25.0

Valuation	2021	2022	2023E	2024E	2025E
Recurring P/E (x) *	7.7	17.3	38.8	31.0	26.2
Recurring P/E @ target price (x) *	8.9	20.1	45.0	36.0	30.4
Reported P/E (x)	7.7	17.3	38.8	31.0	26.2
Dividend yield (%)	1.6	6.6	2.4	1.4	1.8
Price/book (x)	4.1	4.2	4.2	3.9	3.6
Price/tangible book (x)	4.2	4.4	4.3	4.0	3.7
EV/EBITDA (x) **	5.4	10.9	17.9	15.1	13.0
EV/EBITDA @ target price (x) **	6.3	12.5	20.8	17.6	15.2
EV/invested capital (x)	3.4	3.7	4.1	4.0	4.0

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

Sources: Bangkok Chain Hospital; FSSIA estimates

Bangkok Chain Hospital PCL (BCH TB)

FSSIA ESG rating

★ ★ ★

39.71 /100

Exhibit 7: 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 8: 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 9: 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	0.56	0.71	0.75	0.72	0.80	0.85	2.36	3.52
BESG environmental pillar score	0.00	0.00	0.00	0.00	0.38	0.38	2.96	4.63
BESG social pillar score	0.00	0.22	0.22	0.22	0.22	0.22	1.70	3.47
BESG governance pillar score	2.35	2.41	2.62	2.50	2.41	2.63	3.19	2.91
ESG disclosure score	18.06	19.81	19.81	19.81	20.08	20.08	31.27	47.60
Environmental disclosure score	0.00	0.42	0.42	0.42	1.24	1.24	20.57	46.18
Social disclosure score	3.17	10.52	10.52	10.52	10.52	10.52	18.53	41.96
Governance disclosure score	50.87	48.37	48.37	48.37	48.37	48.37	54.64	54.64
Environmental								
Emissions reduction initiatives	No	No	No	No	Yes	Yes	Yes	Yes
Climate change policy	No	No	No	No	No	No	Yes	Yes
Climate change opportunities discussed	No	No	No	No	No	No	No	No
Risks of climate change discussed	No	No	No	No	No	No	No	No
GHG scope 1	--	--	--	--	--	--	1	2
GHG scope 2 location-based	--	--	--	--	--	--	5	6
GHG Scope 3	--	--	--	--	--	--	--	--
Carbon per unit of production	--	--	--	--	--	--	--	--
Biodiversity policy	No	No	No	No	No	No	No	No
Energy efficiency policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Total energy consumption	--	--	--	--	--	--	10	12
Renewable energy use	--	--	--	--	--	--	--	--
Electricity used	--	--	--	--	--	--	10	12
Fuel used - natural gas	--	--	--	--	--	--	--	--

Sources: Bloomberg; FSSIA's compilation

Exhibit 10: ESG score by Bloomberg (cont.)

FY ending Dec 31	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022
Fuel used - crude oil/diesel	No	No	No	No	No	No	No	No
Waste reduction policy	No	No	No	No	Yes	Yes	Yes	Yes
Hazardous waste	—	—	—	—	—	—	—	0
Total waste	—	—	—	—	—	—	—	0
Waste recycled	—	—	—	—	—	—	—	0
Waste sent to landfills	—	—	—	—	—	—	—	0
Environmental supply chain management	No	No	No	No	No	No	No	Yes
Water policy	No	No	No	No	No	No	Yes	Yes
Water consumption	—	—	—	—	—	—	—	—
Social								
Human rights policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Policy against child labor	No	No	No	No	No	No	No	Yes
Quality assurance and recall policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Consumer data protection policy	No	No	No	No	No	No	No	No
Equal opportunity policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Gender pay gap breakout	No	No	No	No	No	No	No	No
Pct women in workforce	—	—	—	—	—	—	—	76
Pct disabled in workforce	—	—	—	—	—	—	—	1
Business ethics policy	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Anti-bribery ethics policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Health and safety policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Lost time incident rate - employees	—	—	—	—	—	—	0	0
Total recordable incident rate - employees	—	—	—	—	—	—	0	1
Training policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fair remuneration policy	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Number of employees – CSR	—	—	—	—	—	—	8,597	8,877
Employee turnover pct	—	—	—	—	—	—	—	43
Total hours spent by firm - employee training	—	—	—	—	—	—	—	54,702
Social supply chain management	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Governance								
Board size	10	10	10	12	12	12	12	11
No. of independent directors (ID)	4	4	4	4	4	4	4	4
No. of women on board	3	3	3	4	4	3	3	3
No. of non-executive directors on board	5	5	5	5	5	5	5	5
Company conducts board evaluations	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
No. of board meetings for the year	6	5	6	5	5	6	6	6
Board meeting attendance pct	93	94	90	96	100	99	94	97
Board duration (years)	—	—	—	—	—	—	—	—
Director share ownership guidelines	No	No	No	No	No	No	No	No
Age of the youngest director	28	29	30	29	30	31	32	33
Age of the oldest director	72	73	74	75	76	77	78	79
No. of executives / company managers	5	5	5	5	5	7	7	6
No. of female executives	1	—	—	—	—	—	—	—
Executive share ownership guidelines	No	No	No	No	No	No	No	No
Size of audit committee	3	3	3	3	3	3	3	3
No. of ID on audit committee	3	3	3	3	3	3	3	3
Audit committee meetings	4	4	5	5	5	5	5	5
Audit meeting attendance %	100	92	100	93	100	100	93	100
Size of compensation committee	0	0	0	0	0	0	0	0
No. of ID on compensation committee	—	—	—	—	—	—	—	—
No. of compensation committee meetings	—	—	—	—	—	—	—	—
Compensation meeting attendance %	—	—	—	—	—	—	—	—
Size of nomination committee	0	0	0	0	0	0	0	0
No. of nomination committee meetings	—	—	—	—	—	—	—	—
Nomination meeting attendance %	—	—	—	—	—	—	—	—
Sustainability governance								
Verification type	No	No	No	No	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

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History of change in investment rating and/or target price

Bangkok Chain Hospital (BCH TB)



Date	Rating	Target price	Date	Rating	Target price	Date	Rating	Target price
26-Nov-2020	BUY	20.00	05-Aug-2021	BUY	28.50	03-Aug-2023	BUY	22.50
20-Apr-2021	BUY	23.00	25-Oct-2022	BUY	26.00	03-Nov-2023	BUY	24.50
25-May-2021	BUY	24.00	09-Feb-2023	BUY	25.50			
14-Jul-2021	BUY	28.00	03-May-2023	BUY	23.50			

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
Bangkok Chain Hospital	BCH TB	THB 21.10	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.

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 22-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.