



Bangkok Dusit Medical Services (BGH)

Investor Presentation

1Q14 Results

June 2014













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- The Acquisition of Sanamchan Hospital















Overview













Overview

- Established on February 26, 1972
- Largest private hospital operator in Thailand in terms of revenues from patient services and market capitalization
- Owns and manages 31 hospitals (with total beds* of 5,616) under 6 hospital brands:

Bangkok Du	DMS alt Medical Services Brand	No. of Hospitals	No. of Beds*
3	Bangkok Hospital	16	2,652
%	Phyathai Hospital	5	1,237
(Samitivej Hospital	4	975
**	Paolo Memorial Hospital	3	557
HOSPITAL SINCE 1898	BNH Hospital	1	144
2	Royal International Hospital	2	51

^{*} Maximum number of beds according to the structure of the hospitals













Shareholding Structure

As of 23 Jan 2014

		% of Shareholding
1	Mr. Prasert Prasarttong-Osoth, M.D. and family	24.3%
2	Mr. Wichai Thongtang and family	15.3%
3	Bangkok Airways*	7.8%
4	The Viriyah Insurance Co., Ltd.	6.2%
5	Mr. Chirotchana Suchato, M.D. and family	2.7%
6	Thai NVDR Co., Ltd.	2.6%
7	Ladpli family	2.5%
8	HSBC (SINGAPORE) NOMINEES PTE LTD	2.4%
9	Bangkok Bank Public Co., Ltd.	2.3%
10	Mr. Chuladej Yossundharakul, M.D. and family	1.9%
	Total	68.0%

Source: Summary of the information from Thailand Securities Depository Company Limited (TSD)







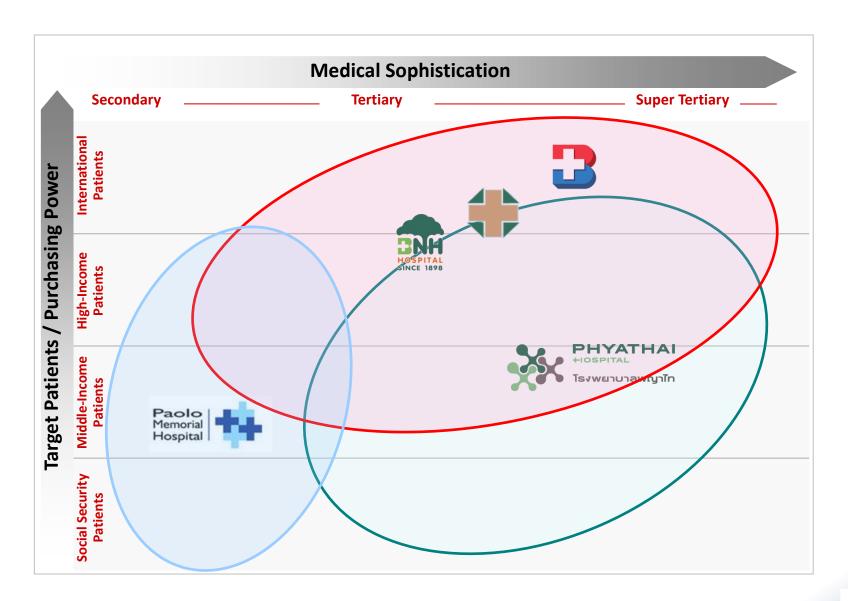






^{*} Consisted of Bangkok Airways Co., Ltd., Bangkok Airways Holding Co., Ltd, and Bangkok Air Catering Co., Ltd

Diversification of Patient Mix















Hospital Network in Key Strategic Locations

Hospitals under Management



Ownership No. of Beds (1)

100%

343

1. Bangkok Hospital

Bangkok Heart Hospital (BMC) 100% 97

3. Wattanosoth Hospital 48 100% 60

4. Bangkok Huahin (BHN) 100%

Group 2

ENH

Group 1



7. Samitivej Sriracha (SSH) 69.8% 150 8. Samitivej Thonburi (2) (STH) 55.7% 150

9. BNH Hospital (BNH) 91.5% 144

Remark (1) Structured beds Formerly known as Krungdhon hospital (KDH)

Registered beds Formerly known as Paolo Nawamin Hospital









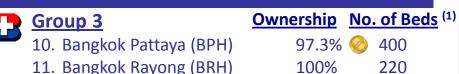












12. Bangkok Chanthaburi (BCH) 99.7% 170

13. Bangkok Trat (BTH) 99.8% 114

99.7% 317 14. Bangkok Phuket (BPK) 15. Bangkok Hat Yai (BHH) 98.8% 165

16. Bangkok Samui (BSH) 100% 50 17. Bangkok Phrapradaeng (BPD) 84.0% 60

Group 4 18. Bangkok Ratchasima (BKH) 90.9% 300 19. Bangkok Pakchong 90.9% 30

20. Bangkok Udon (BUD) 100% 120 21. Bangkok Phitsanulok (BPL) 100% 100

Children Ratanavej Hospital at Phitsanulok 100% 58

22. Royal Angkor International 80.0% 21 23. Royal Rattanak International 70.0% 30

Group 5 Ownership No. of Beds (3) 24. Phyathai 1 (PYT1) 350 100%

25. Phyathai 2 (PYT2) 260 99.1% 26. Phyathai 3 (PYT3) 230 98.2%

27. Phyathai Sriracha (PYTS) 74.1% 257 28. Phyathai Nawamin (Pnwm) (4)

29. Paolo Paholyothin (Pmed) 30. Paolo Samutprakarn(Psamut)

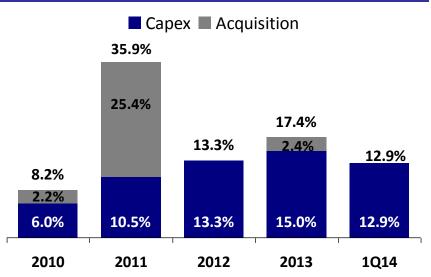
31. Paolo Chokchai 4 (Pchok)

Expansion Plans and Investment Criteria

Expansion Plans

- **Expansion of existing hospitals where** utilization is reaching 75-80%
- New greenfield hospitals
- New hospitals from acquisitions
- **Expansion in complementary non-hospital** investments

CAPEX as % of Revenue *



Remark:- CAPEX based on fixed assets addition









Investment Criteria

- Strategic fit & potential synergy
 - Strategic location/ high growth areas
 - Proven track record
 - **Patient base expansion**
 - Potential to attract both local and international patients
- **Financial Return**
 - IRR / Payback period
 - Investment cost per bed
 - Profit break-even point
 - Revenue & profit contribution to Group
- **Impact to Balance Sheet**
 - **Gearing ratios**

^{*} Revenue from hospital operations, revenue from sales of goods and other income

Investment Updates

New Hospitals in Pipeline







Bangkok Hospital Chiangmai

Royal Phnom Penh Hospital

			-	
Hospitals	Total Beds	1 st Phase	Project Details	Commission Date
Bangkok Hospital Chinatown	58	24	 Basic Tertiary care hospital aiming to tap into affluent ethnic Thai- Chinese residents 	By 3Q14
2 Bangkok Hospital Khon Kaen	120	50	 Acquired Vachprasit Hospital during 2Q13 and upgrading to become Basic Tertiary care hospital 	By 3Q14
3 Bangkok Hospital Chiangmai	185	34	 Hub Tertiary care hospital targeting Thai & international patients 	By 3Q14
4 Royal Phnom Penh Hospital, Cambodia	104	50	 Basic Tertiary care hospital targeting Cambodian and expatriates 	By 3Q14
5 Sri-Rayong Hospital	195	25	 Secondary care hospital targeting middle income patients Initial opening as clinic & ER (Dec 2013) 	By 3Q14













Investment Updates

New Hospitals in Pipeline







Samitivej Chonburi Hospital

Jomtien Hospital

Hospitals	Total Beds	1 st Phase	Project Details	Commission Date
6 Dibuk Hospital (Bangkok Hospital Phuket 2)	100	29	 Secondary care hospital targeting middle income patients 	2014
7 Samitivej Chonburi Hospital	220	59	Basic Tertiary care hospital targeting patients living in Chonburi	2015
8 Paolo Rangsit Hospital	150	100	Secondary care hospital targeting middle income patients	2015
Jomtien Hospital (Bangkok Hospital Pattaya 2)	250	100	 Secondary care hospital targeting middle income patients Opening as polyclinic & ER (Mid 2014) 	2016













Investments

Investments in Other Hospitals : - Listed Companies

- Ramkhamhaeng Hospital PCL 38.24%
- Bumrungrad Hospital PCL 23.95%

Non- Hospital Strategic Investments⁽¹⁾

•	National Healthcare Systems	100%	central lab, central supply chain & other shared services		
٠	Greenline Synergy	100%	shared IT services		THB mm
•	A.N.B. Laboratories	100%	medicine & pharmaceutical product manufacturer & distributor	Non-Hospita	al Revenues
•	Bangkok Premier Life Insurance Broker	100%	health & life insurance broker	23	%
•	Bio Molecular Laboratories	95%	central lab for bio molecular study & examination		
•	Medic Pharma	87%	pharmaceutical product manufacturer _	1,171	1,446
٠	Sodexo	74 %	support services	2012	2013
•	Bangkok Helicopter Services	49%	transportation of patients via helicopter services		

(1) Not included all BGH's investments





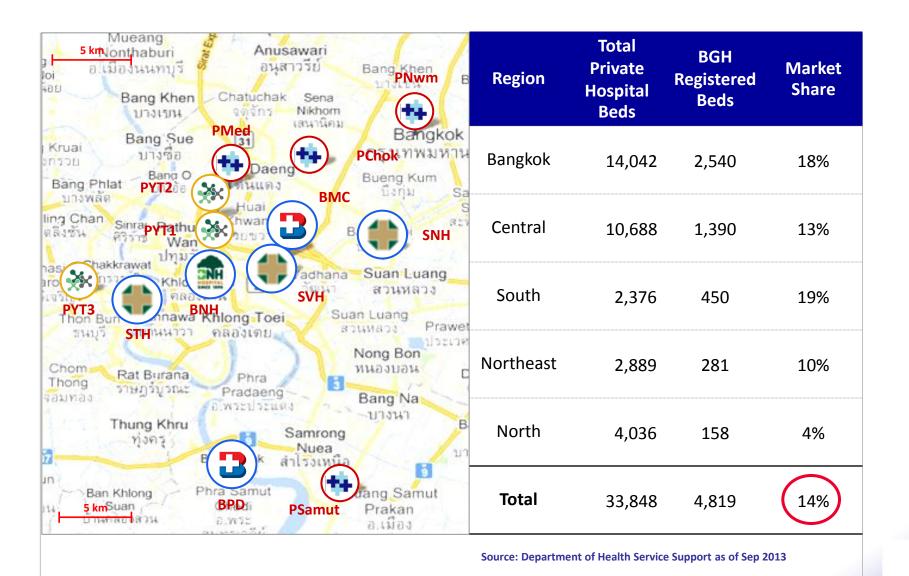








Extensive Market Coverage in Bangkok and Vicinity Area











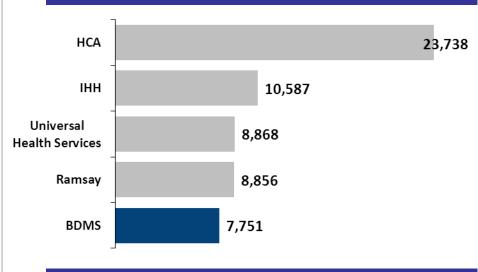


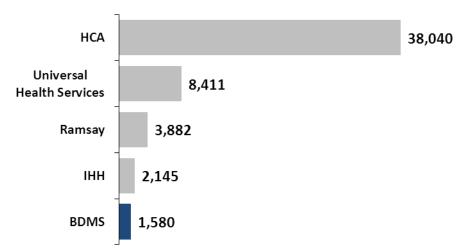


Global Hospital Rankings



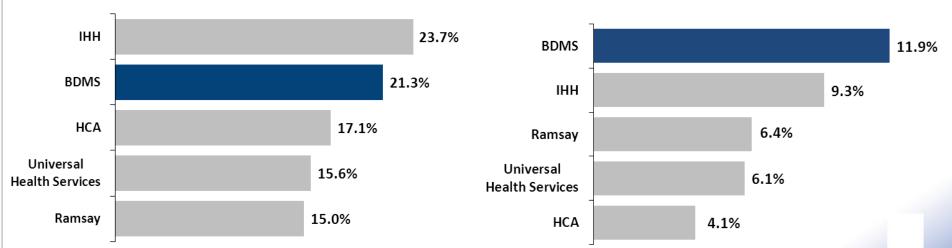
Revenue (USD mm)





EBITDA Margin

Net Profit Margin



Remark: - Market capitalization as of 30 May 2014

- Financial performance (excluding non-recurring items) for year ended December 2013 except Ramsay for year ended June 2013











Group Vision & Strategic Goals

"To be a leader in providing a full continuum of healthcare with Thai hospitality"

Ensure Business Growth

Organic growth & expansion

- Grow revenue from existing market
- Acquire new patients in new markets
- Develop new products/ technologies & increase outreach
- Enhance referral within BDMS and other providers

Improve
Organizational
Efficiency

Enhance shared services

- Leverage networking competitive advantages
- Optimize tangible asset utilization
- Outsource non- core activities

Become Hospital of Endearment

Attract & maintain healthcare professionals

- Improve clinical & hospitality service standards
- Strengthen payer and alliance relationship
- Strengthen strategic suppliers relationship
- Encourage corporate social responsibility

Strengthen Brand

Promote brand positioning

- Clear market segmentation among 6 hospital brands
- Enhance BDMS corporate identity to all stakeholders















Healthcare Industry







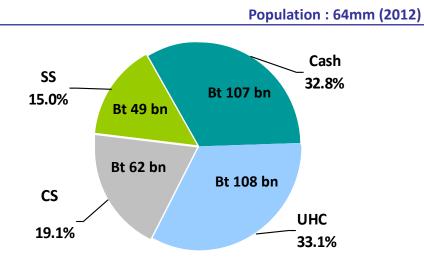






Thailand Healthcare Coverage

Healthcare Segments in Thailand



Total: Bt 326 bn (2012)

Source: NHSO, SSO, IHPP, BDMS Estimates

- Universal Healthcare Coverage (UHC) A welfare program for Thai people to receive medical coverage for IPD and OPD care at registered facilities for payment of Baht 30 (US\$ 1.00) per visit
- Civil Servant (CS) A welfare program provided to employees of governments and state-owned enterprises
- Social Security Scheme (SS) Minimum requirement of healthcare provided to employees of private companies
- Private Healthcare Proportion of Thai population not covered or choose not to use public healthcare schemes (UHC, CS and SS), though may have private insurance coverage













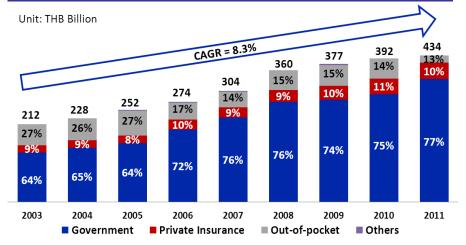
Increasing Healthcare Demand

Thai Population / Bed Population growth higher than supply

	2008	2009	2010
Bangkok	312	379	266
Central	402	414	409
Northeast	779	724	714
North	500	679	460
South	492	500	498
Total	502	540	477
Global Average (Y2006-2012)		385	→

Source: Ministry of Public Health and World Health Organization

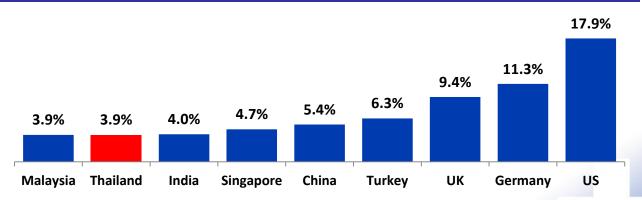
Increasing Healthcare Expenditures in Thailand (2003 - 2011)



Source: National Health Account of Thailand and Health Systems Research Institute

Low Healthcare Penetration

Healthcare expenditure as % of GDP in Thailand is still low compared to other developing and developed countries



Source: World Health Organization for 2012







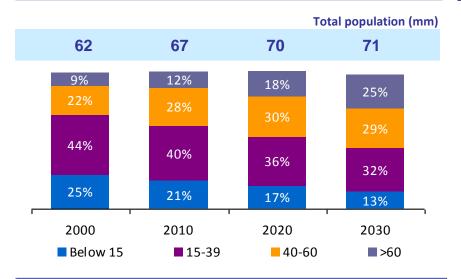






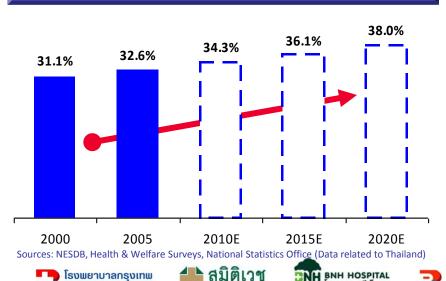
Increasing Healthcare Demand

Population Growth and Aging Profile



Urbanization

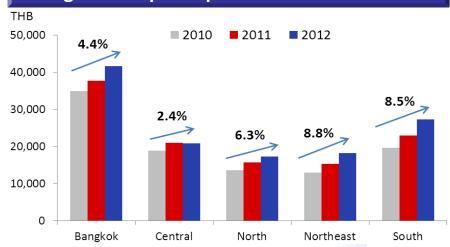
โรงพยาบาลกรุงเทพ



Commentary

- Aging population will have great implications on both healthcare costs as well as its capacity to serve demand. In addition, aging population also means a strain on healthcare capacity if it fails to catch up well with increasing demand
- Increasing degree of urbanization is expected over time from 31.1% in 2008 to 38.0% in 2020
- The trend has also been the same for overall South East Asia countries where rapid urbanization is expected from 36.7% in 2000 to 50.6% in 2025

Rising Income per Capita



Sources: NESDB

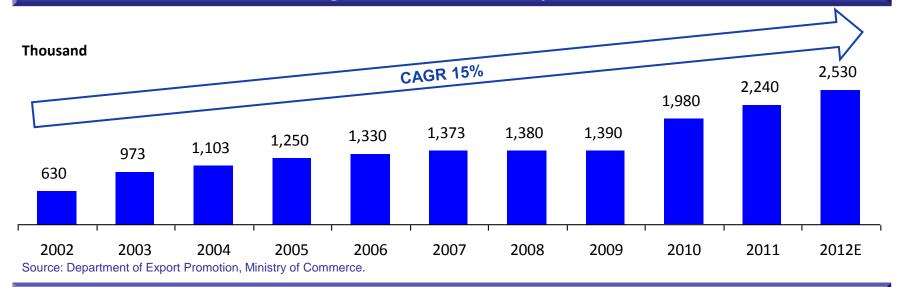
Roval Bangkok

รงพยาบาลบีเอ็นเอช



Medical Tourism





Medical Tourism as a Rising Phenomenon

Procedures (In USD)	USA	Singapore	Thailand	Malaysia	India
Heart Bypass	130,000	18,500	11,000	9,000	10,000
Heart Valve Replacement	160,000	12,500	10,000	9,000	9,000
Angioplasty	57,000	13,000	13,000	11,000	11,000
Hip Replacement	43,000	12,000	12,000	10,000	9,000
Hysterectomy	20,000	6,000	4,500	3,000	3,000
Knee Replacement	40,000	13,000	10,000	8,000	8,500
Spinal Fusion	62,000	9,000	7,000	6,000	5,500

Source: "Patient Beyond Border" by Josef Woodman















Operational Statistics







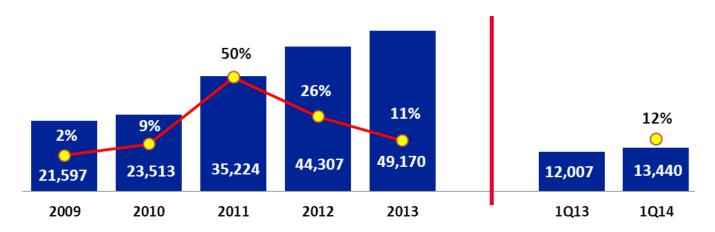






Continued Double Digit Revenue Growth

Patient Revenue Trend (THB mm)



Commentary

- 1Q14 Patient revenue increased by 12% yoy, primarily from
 - Growth in number of outpatients and inpatients across our network hospitals
 - Rising in healthcare inflation and increasing in intensity
 - Patient ward renovation and an increase in patient referral
 - Consolidation of new network hospitals
 - Samitivej Thonburi (STH) since May 2013
 - Bangkok Hospital Phitsanulok (BPL) since October 2013







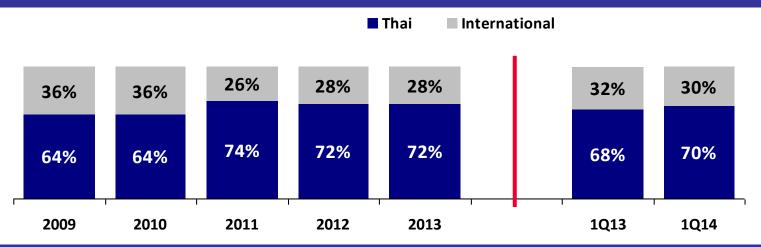






Expanding Both Thai and International Patients

Revenue Contribution by Nationality



Commentary

- 1Q14 revenue from Thai patients grew 15% while international patients grew 4% yoy
 - Top 5 international patient revenues are from Japan, UK, Myanmar, Germany and USA which contribute 2.7%, 2.0%, 1.8%, 1.8% and 1.6% of total patient revenues respectively
 - International patient revenues grew significantly for Russia (+15%), Myanmar (+15%) and Japan (+9%)

Remarks:- Operational statistics data in 2011 are including PYT & Paolo since Jan 2011







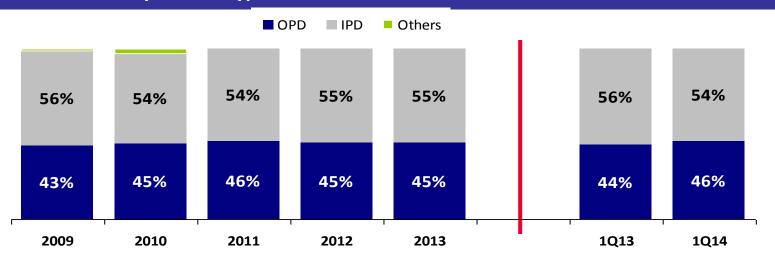




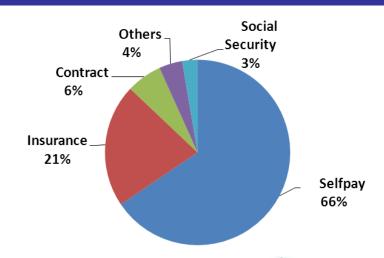


Patient Mix

Revenue Breakdown by Patient Types



1Q14 Patient Revenue by Payor



Commentary

1Q14 OPD revenues increased 10% yoy while IPD revenues increased 14% yoy







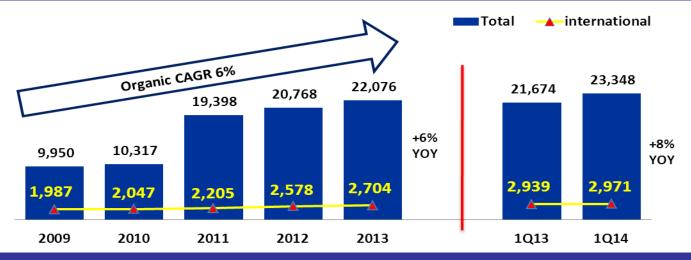




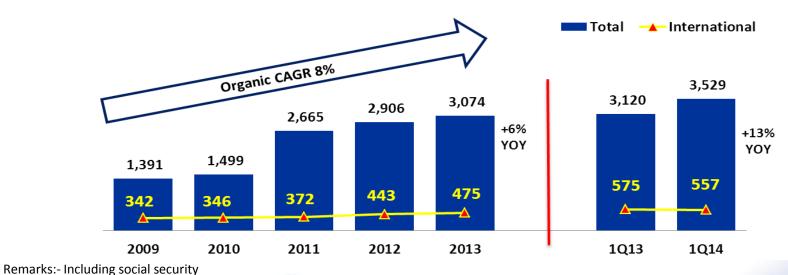


Patient Base Expansion From Both Organic Growth & Acquisitions

Number of OPD Visits per Day



Average Daily Census (ADC)



marks: meraamig social seed







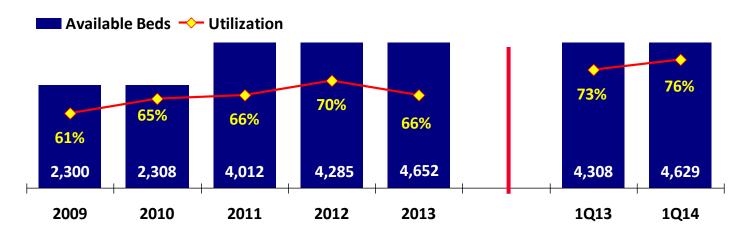




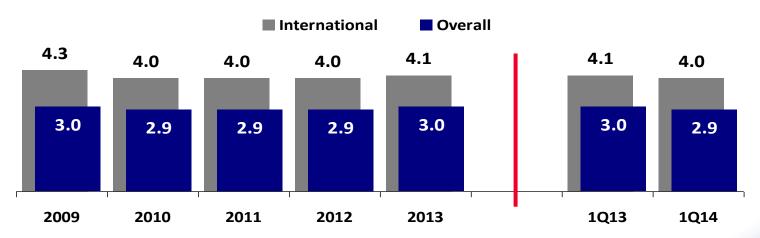


Utilization of Beds

Utilization Based on Available Beds



Average Length of Stay (days)



Remarks:- Including social security patients















Financial Highlights









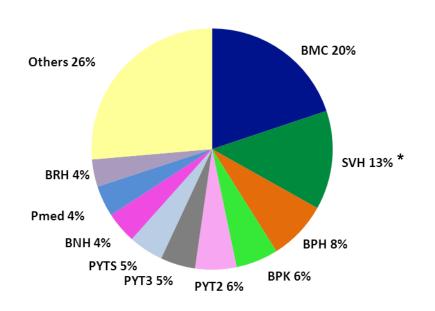


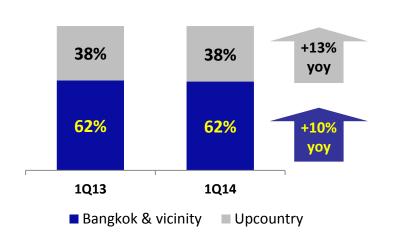


Diversified Sources of Revenues

Revenue Contribution in 1Q14

Revenue Contribution & Growth by Locations





Commentary

- During 1Q14, top 5 hospitals (by location) contributed 53% of total revenue
- Bangkok & vicinity hospitals that grew more than 10% yoy : PNWM(+29%), PYT3(+19%), Psamut(+15%), Pchok(+14%) and Pmed(+11%)
- Upcountry hospitals that grew more than 13% yoy :- BUD(+47%), BHN(+24%), BHP(+22%), BCH(+19%), RAH(+19%), SSH(+18%), BPD(+17%), RRH(+17%) and BTH(+14%)

Remark:- Hospital abbreviation shown on page 8

* SVH also included SNH performance









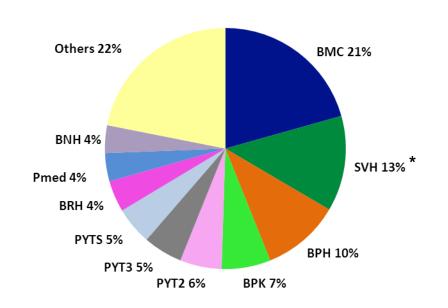


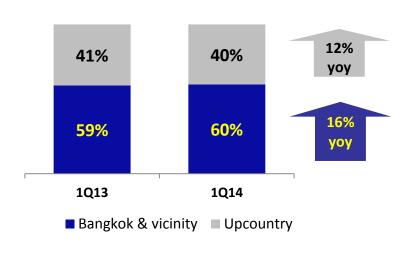


EBITDA Contribution

EBITDA Contribution in 1Q14

EBITDA Contribution & Growth by Locations





Commentary

During 1Q14, top 5 hospitals (by location) contributed 57% of total EBITDA

Remark:- Hospital abbreviation shown on page 8

* SVH also included SNH performance

EBITDA is calculated from revenue from hospital operations + revenue from F&B + other income – cost from hospital operations – SG&A expenses









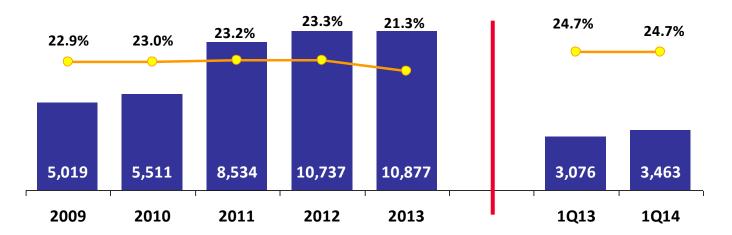




Profitability Trend

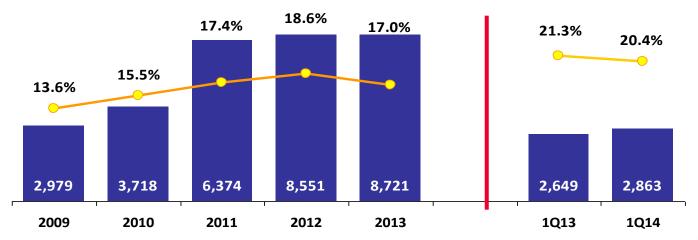
EBITDA & EBITDA Margin*

(THB mm)



EBIT & EBIT Margin*

(THB mm)



^{*} Excluding non-recurring items











Profitability Trend

Net Profit & Net Profit Margin*

(THB mm)



Commentary

■ 1Q14 Net profit increased 7% yoy from growth in number of outpatients and inpatients across our network hospitals, rising in healthcare inflation and increasing in intensity netted with an increase in both clinical and non-clinical staffs and rental expenses

^{*} Excluding non-recurring items







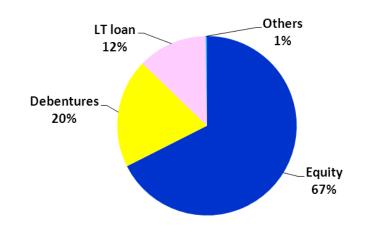






Capital Management

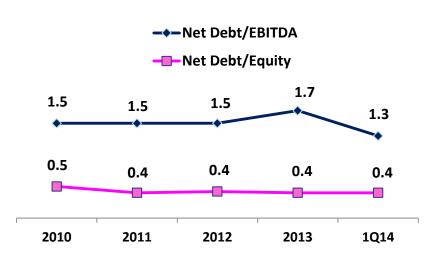
Capital Structure as of Mar 2014



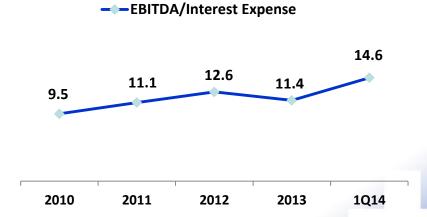
Dividend Payment & Payout Ratio



Gearing Ratios: Well Within Covenants



Interest Coverage





















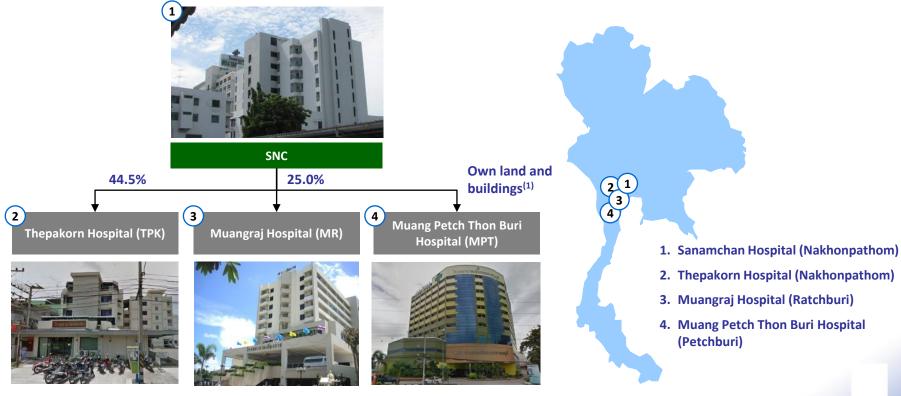






Overview of Sanamchan Hospital

Sanamchan Hospital (SNC) is a private hospital located in Nakhonpathom province, which also holds shares in Thepakorn Hospital, Muangraj Hospital, and owns land and buildings of Muang Petch Thon Buri Hospital



Remark: (1) SNC purchased MPT's assets, including land and buildings, from Sukhumvit Asset Management in 2012





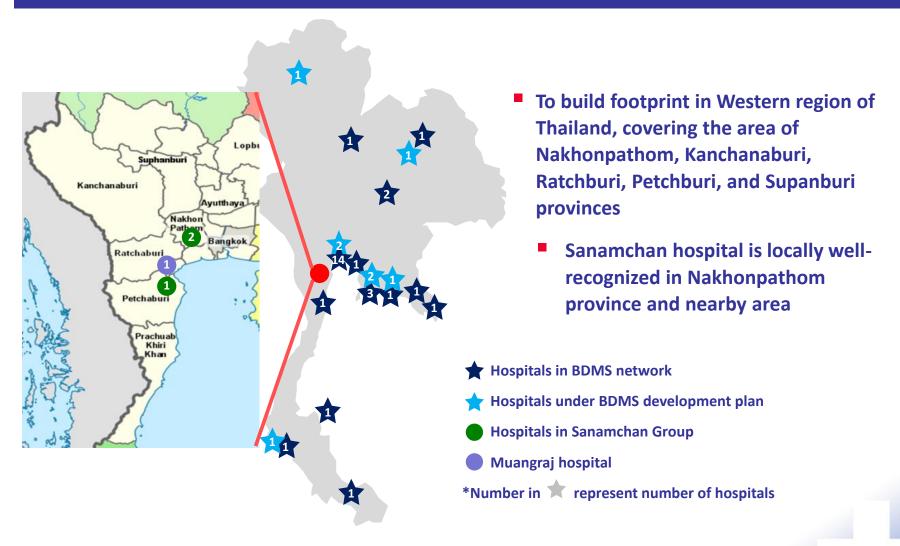








Operating Landscape









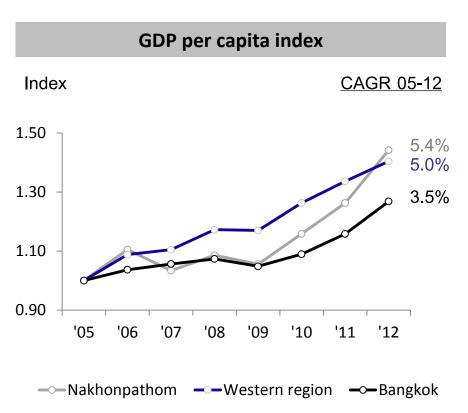


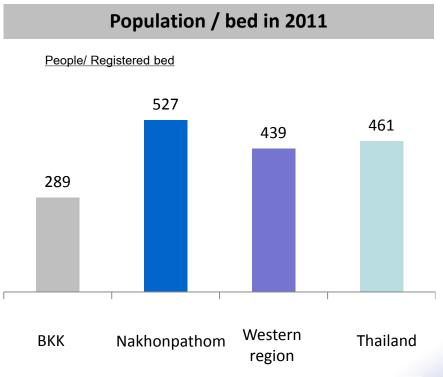




Operating Landscape

- Nakhonpathom and western region economy have been growing during the past years at 5.4% and 5.0%
- The lack of medical infrastructure in this area should serve as an opportunity for SNC and its affiliates





*Source: NESDB, Ministry of Public Health









*Source: NESDB and MOPH

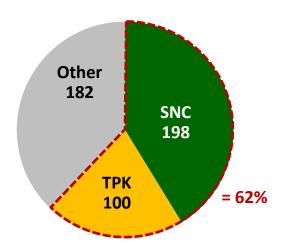


Transaction Rationale

- BDMS could immediately increase patient base in Western region
- Potential referral of patients from Sanamchan group to BDMS

Private hospital beds in Nakhonpathom

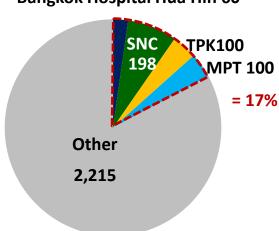
Registered Beds



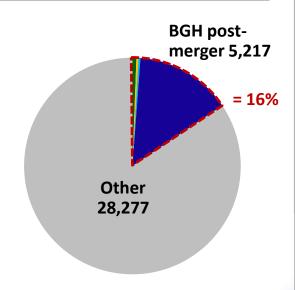
^{*}Source: Ministry of Public Health

Private hospital beds in Western region





Private hospital beds in Thailand



Remark: SNC is in the process of obtaining approval to reduce the registered beds from 275 to 198











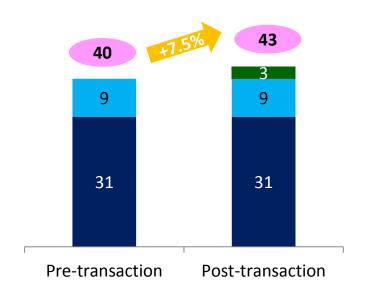


Transaction Rationale (Cont'd)

Further expand BDMS network nationwide by adding 3 more hospitals with 555 additional structured beds

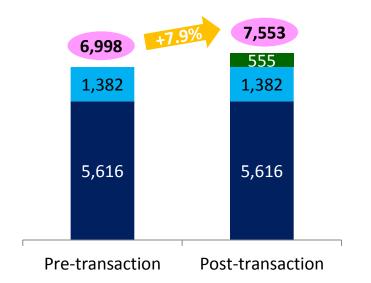
Number of hospitals in BDMS network

•



Number of structured bed in BDMS network

Beds



Remark: 555 structured beds consisted of 200 beds of Sanamchan Hospital + 100 beds of Thepakorn Hospital + 255 beds of Muang Petch Thon Buri Hospital



Hospitals







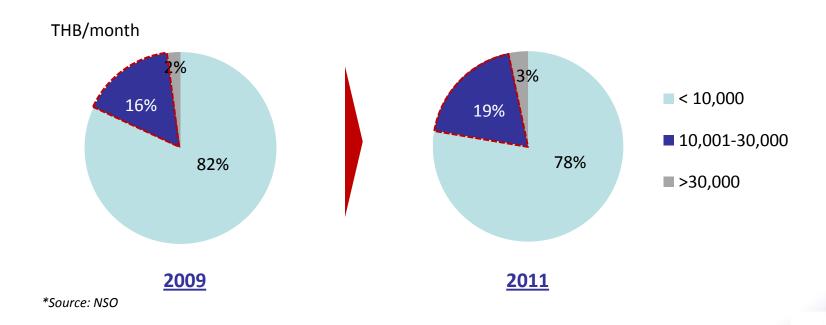




Transaction Rationale (Cont'd)

- Expand patient base to capture growth in middle income segment
 - During 2009 2011, percentage of middle income population has increased from 16% to 19%

Percentage of Each Income Group to total Population







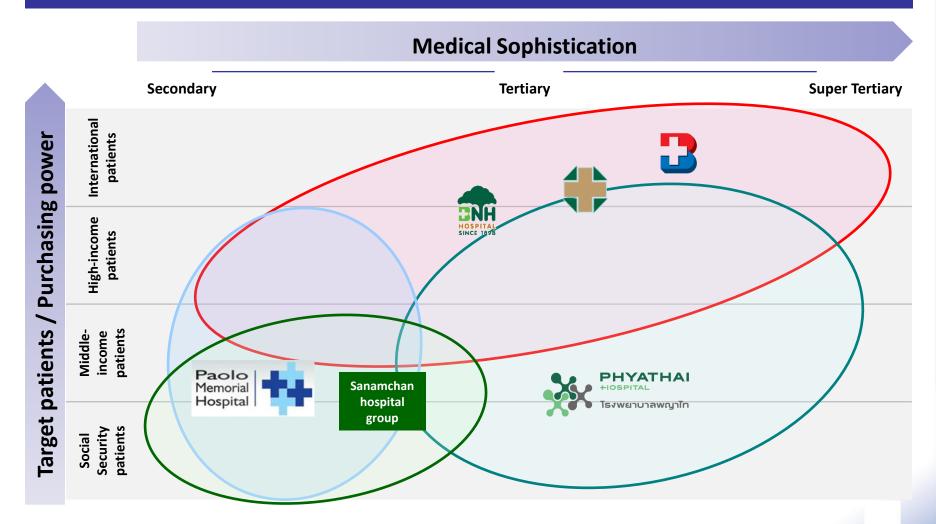








Transaction Rationale (Cont'd)















Hospital Overview

	Sanamchan Hospital (SNC)	Thepakorn Hospital (TPK)	Muangraj Hospital (MR)	Muang Petch Thon Buri Hospital (MPT)
Structured beds	200	100	200	255
Available beds	176	60	100	n.a.
Location	Nakhonpathom	Nakhonpathom	Ratchburi	Petchburi
Medical sophistication	Basic tertiary	Secondary	Secondary	Secondary
Key assets	 Land 38 rai (used 19 rai) 2 hospital buildings with 10-storey and 11-storey 2 support buildings, with 4-storey and 5-storey 	Land 2 rai2 hospital buildings, each has 5-storey	Land 15 rai9-storey hospital building	Land 9 rai2 hospital buildings with 10-storey and 3- storey
Key clinics	Kidney centerHeart center with doctor specialized in heart surgery	 General clinic 	 Kidney center offering dialysis services to patients 	
Key Medical equipment	CT 64 sliceMRI 1.5 teslaCath LabMammogram		4D ultrasoundCT scan 16 slice	
Participation in Social Securities Scheme	• No	Yes (70% of revenue)	• No	• No













Key Operational Statistics

Operational Statistics 1Q14	Sanamchan Hospital	Thepakorn Hospital	Muangraj Hospital
OPD visits per day (visits)	536	53 / 209	293
ADC (beds)	133	6 / 19	82
Revenue per visit (THB)	~1,800	~700	~1,500
Revenue per patient day (THB)	~11,000	~7,300	~7,400
Utilization rate (%)	75.7%	41.7%	81.8%
Number of registered SS patients (patients)		25,960	
Revenue per registered SS patient (THB)		2,476	

Remark: Thepakorn Hospital's statistics are consisted of general / social securities patients





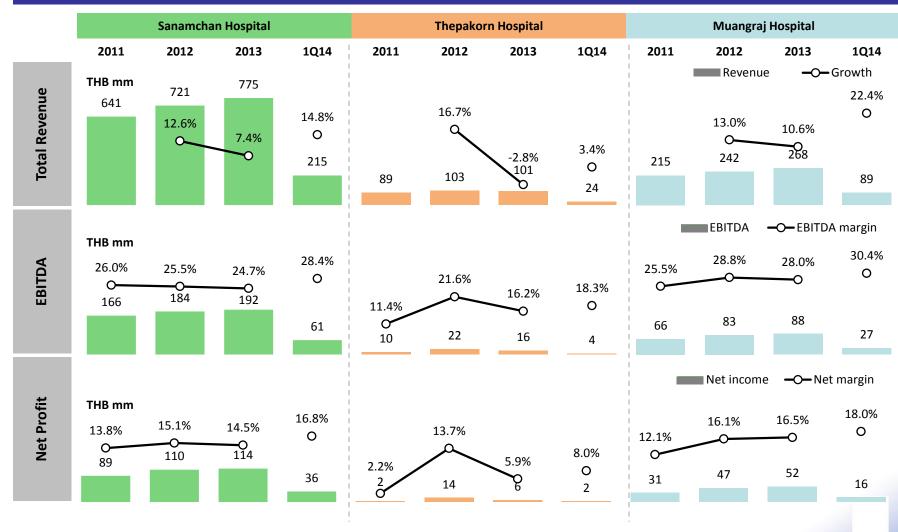








Historical Financial Performance⁽¹⁾



Remark: Financial data is adjusted to accrual basis and excluded non recurring items













- On May 28, 2014, BDMS's Board of Directors approved the establishment of a new subsidiary under the name of Bangkok Hospital Sanamchan Company Limited (BSNC), and approved that BSNC acquire and receive the transfer of the entire business of Sanamchan Hospital Company Limited (SNC)
- In consideration of the entire business transfer from SNC to BSNC, BSNC will pay approximately THB 3,555 − 3,655 mm in cash (at 2014 P/E of 18.4 −19.0x⁽¹⁾ and P/BV ~2.0x⁽²⁾ for their hospital business) to SNC
- However the entering into the entire business transfer of BSNC is subject to the result of the due diligence of SNC. The transaction is expected to be completed by July 2014.

Remarks (1) Multiple adjusted by unused land of SNC, investment in listed securities, and land and buildings of MPT, and others totaling THB 764 mm

(2) Adjusted by appraisal value







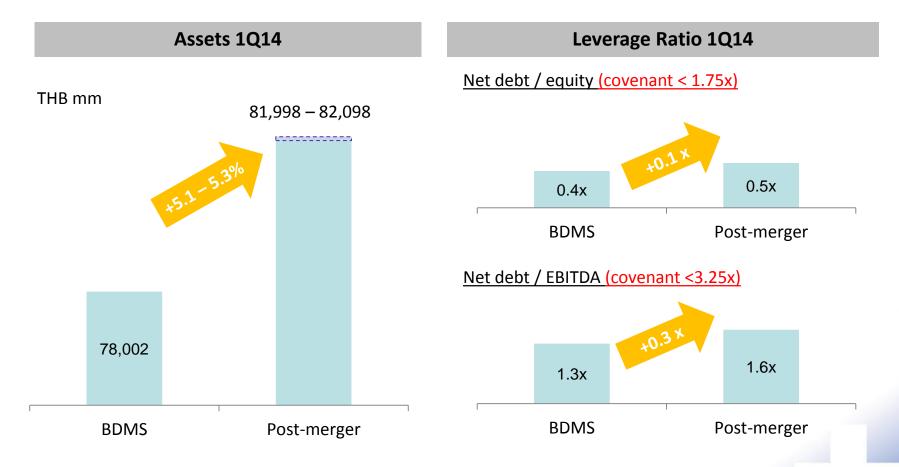






Impact of the Transaction to BDMS Financial Position

Assume BDMS borrows debt of THB 3,555 – 3,655 mm to invest in SNC, the company assets will increase by
 5.1 – 5.3% while still able to maintain its key leverage ratio at a low level















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