



Rajthanee Hospital Public Company Limited

4Q17 And 2017 Result



SET Opportunity Day: 23 March 2018



1. Summary and Updates

4

2. Business Overview

9

3. Financial Performance 4Q17 and 2017 RJH Group

20

4. Financial Performance 4Q17 and 2017 RRH

33

5. Strategies & Future Projects

38

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01

Executive Summary

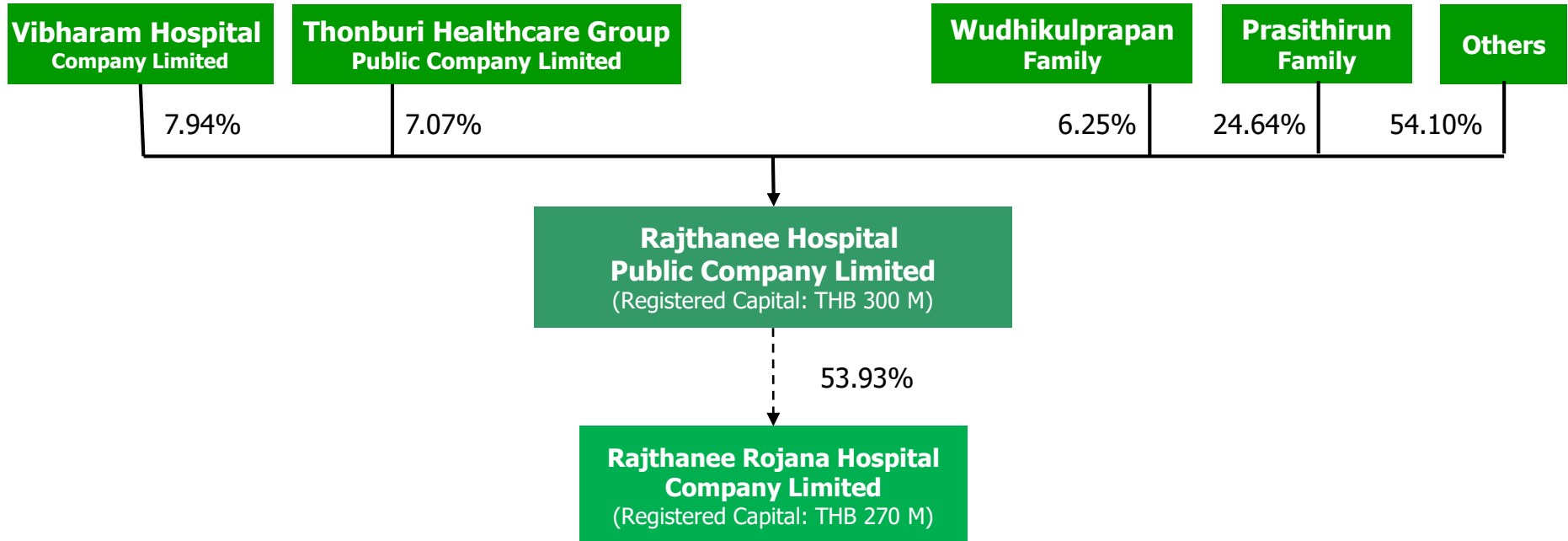


Company Profile



Our History	Rajthanee Hospital Public Company Limited ("RJH") was established in 1990 and commenced its operations in 1992 under the management of experienced physicians. Most of which graduated from Siriraj Medical School and are currently major shareholders of RJH.
Business Overview	2 private general hospitals, namely Rajthanee Hospital and Rajthanee Rojana Hospital ("RRH"), located in Phra Nakhon Si Ayutthaya District and Bang Pa-In District, respectively, as part of Ayutthaya Province
Target Customers	2 primary, mid-to-low target customers: <ul style="list-style-type: none"> • Non-Social Security revenue 56.8% and 55.1% of the total revenue in 2016 and 2017, respectively • Social Security revenue 43.2% and 44.9% of the total revenue in 2016 and 2017, respectively
Number of Hospital Beds	353 registered hospital beds, 219 beds in service and 51 examination rooms
Excellent Medical Centers	<ul style="list-style-type: none"> • Emergency and Neurosurgery Center • Heart Center • Orthopedics Center • Minimal Invasive Surgery (MIS)
Financial Performances	Total revenue from hospital operations <ul style="list-style-type: none"> • 2015–2017: THB 1,024.3 M and THB 1,209.5 M, 1,403.1 respectively +13.9% CAGR
Future Projects	Estimated capital expenditure: THB 700–760 M <ul style="list-style-type: none"> • New Hemodialysis Center • Capacity expansion - add up to 23 hospital beds in RJH and 16 beds in RRH • Renovation and expansion of OPD examination - RRH • Medical equipment • New 9-storey patient building – RJH

Shareholding Structure



Remarks: Shareholding in RJH is as of 15 March 2018

Background & Major Events



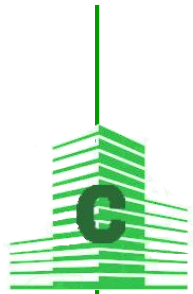
1992

Commenced the business operations on 29 June 1992 with 33 beds in service



2010

Building C commenced service mainly for capitation patients under the social security scheme.



2014

RJH invested THB 126 M in the acquisition of 52.17% of total issued shares in Rojanavej Hospital Company Limited



2016

The Company's shares were listed on the Stock Exchange of Thailand



2017

The Company received the HA level 3 reaccreditation at 27 Jun. 2017



The Company launched cardiac catheterization for patients with heart diseases and received the accreditation for Level 3 of HA

2015

RJH received the accreditation for Level 1 and 2 of Hospital Accreditation (HA)

2012



Converted into public company and changed the company Name to Rajthanee Hospital Public Company Limited

1995



Established Ayutthaya Vechakarn Company Limited

1990

Investment in Rajthanee Rojana Hospital



Investment Opportunity :	<ul style="list-style-type: none">• Rojanavej Hospital (renamed to Rajthanee Rojana Hospital (RRH)) suffered accumulated loss from the severe flood in 2011.• In 2013, its management decided to exit and invited prospective acquirers, including RJH, to buy out the shares in the company.
Investment Rationale:	<ul style="list-style-type: none">• Prime location: Adjacent to Rojana Industrial Park coupling with expanding residential communities.• Benefit from patients referred from RRH for medical treatments to be provided by RJH's specialized physicians• Lessened crowdedness at the main campus: RJH would be able to refer to RRH a part of its social coverage patients whose medical conditions are not complicated.• Expected potential growth: RRH has potential to improve its competency in providing a high-standard level of medical service in the future to be in line with the same that RJH has to offer.• A proactive measure to prevent other hospital chains from entering into the market in Ayutthaya
Acquisition:	<ul style="list-style-type: none">• Currently, RJH holds 53.93% in RRH• On 26 Feb. 2018, the Board of Directors' meeting resolved to acquire the remaining shares of RRH at price of THB 35 per share, totaling THB 435.35 M.

02

Business Overview



Business Characteristics



Rajthanee Hospital (RJH)



Rajthanee Hospital Public Company Limited

Registered hospital beds	253 beds
Beds in service	187 beds
Examination rooms (average)	45 rooms
Number of the insured persons	157,266
Quota of the insured persons	161,000
Full-time / Part-time physicians	42 / 147
Nurses	193

As of Dec. 31, 2017

Rajthanee Rojana Hospital (RRH)



Rajthanee Rojana Hospital Company Limited

Registered hospital beds	100 beds
Beds in service	32 beds
Examination rooms (average)	6 rooms
Number of the insured persons	12,401
Quota of the insured persons	40,250
Full-time / Part-time physicians	7 / 43
Nurses	34

Excellence Medical Centers



Emergency & Neurosurgery Center

- Regular road accidents take place on the main roads, namely Asian Highway and Rojana Road
- Facilitating the patients and dispatching ambulances to the scenes of the accidents in a timely manner
- Medical specialists available for 24 hours a day



Heart Center

- Cardiac Catheterization
- Echocardiogram
- Coronary Artery Bypass Graft
- Valve Replacement
- Atrial Septal Defect
- Electrophysiology



Orthopedics Center

- Orthopedics surgery for traumatic patients
- Total hip replacement surgery
- Total Knee replacement surgery
- Medical treatments for osteoarthritis and osteoporosis



Minimal Invasive Surgery (MIS)

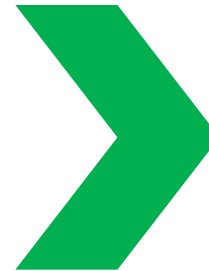
- Arthroscopic surgery for patients with knee, shoulder or spine injury
- Laparoscopic Cholecystectomy
- Laparoscopic Appendectomy
- Laparoscopic Herniorrhaphy

Scope of Our Medical Services



The Complete Scope of Medical Services

- Medicine
- Surgery and Orthopedics
- Pediatrics
- Obstetrics and gynecology
- Otolaryngology
- Ophthalmology
- Anesthesiology
- Radiology
- Dentistry

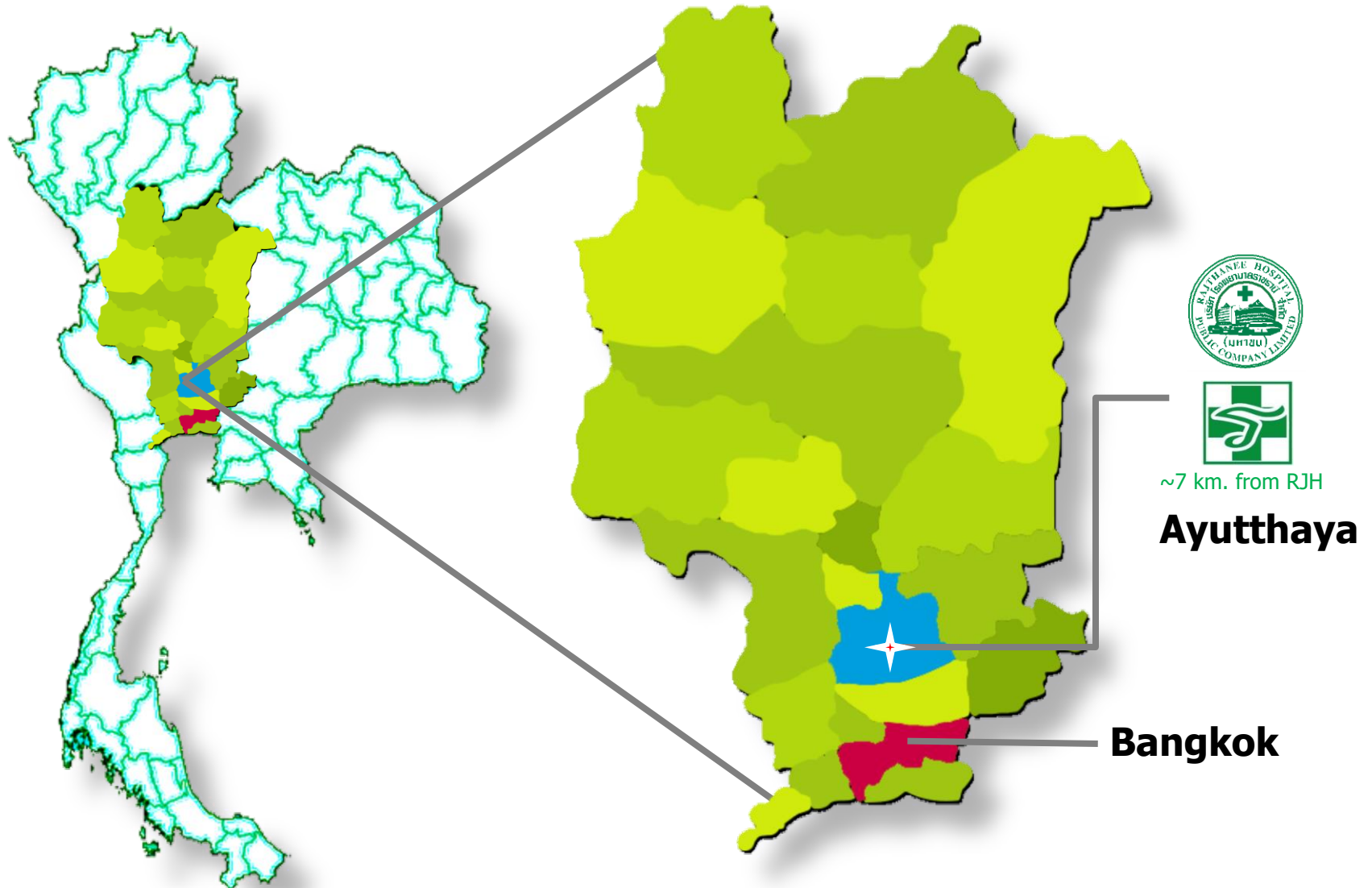


Scope of Our Medical Services



No.	Medical Services	RJH	RRH	No.	Medical Services	RJH	RRH
1	Heart center	✓		5	Internal Medicine clinic:		
2	Emergency medicine and neurosurgery center	✓			- Internal medicine clinic	✓	✓
3	Centers of specialties:				- Gastroenterology	✓	
	- Computerized tomography scan (CT)	✓			- Dermatology	✓	
	- Magnetic Resonance Imaging (MRI)	✓			- Hematology	✓	
	- Hemodialysis center	✓	✓		- Neurology	✓	
	- Health Check-up and Occupational Medicine Center	✓	✓	- Nephrology	✓		
	- Dental center	✓	✓	6	Healthcare clinics and other services:		
	- Orthopedics center	✓			- General practice clinic	✓	✓
- Phacoemulsification center	✓		- Obstetrics and gynecology clinic		✓	✓	
4	Surgery clinic:				- Pediatrics clinic	✓	✓
	- General surgery clinic	✓	✓		- Otolaryngology clinic	✓	
	- Orthopedics surgery clinic	✓	✓		- Ophthalmology clinic	✓	
	- Plastic surgery clinic	✓			- Acupuncture clinic	✓	
	- Neurosurgery	✓			- Emergency medicine clinic		✓
- Urology clinic	✓		- Radiology department		✓	✓	
					7	Occupational medicine clinic	✓

Location and Health Service Coverage



No.1 Hospital in Ayutthaya



Ayutthaya Province:

- High growth prospect for hospital business
- Large population and economy with increasing healthcare spending
- Locations of major industrial estates and industrial parks:
 - 3 industrial estates: Ban Wa (Hi-Tech) Industrial Estate, Bang Pa-in Industrial Estate and Saha Rattana Nakorn Industrial Estate
 - 2 industrial parks: Rojana Industrial Park and Factory Land Wangnoi Industrial Park

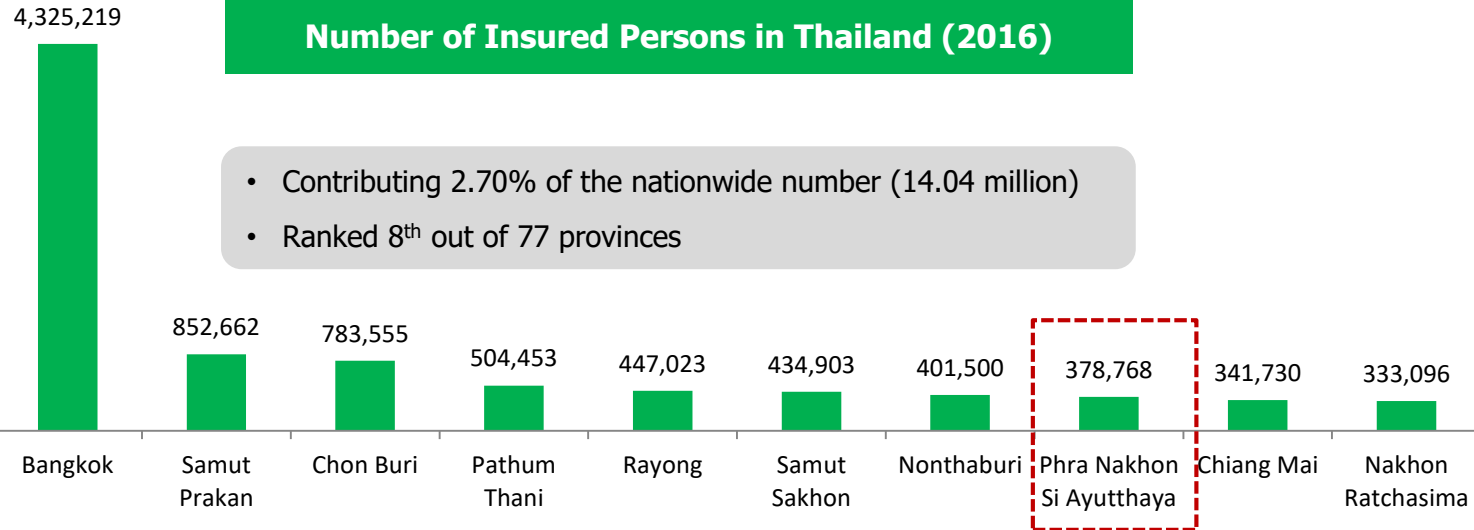
RJH as the leading private hospital group in Ayutthaya:

- The first private hospital in Ayutthaya celebrating its 25 years of operation
- With the largest number of registered hospital beds (i.e. 353 beds)
- Reputable medical staff and medical services of good quality and standard

RJH's competitors are large government hospitals and private hospitals in Ayutthaya.

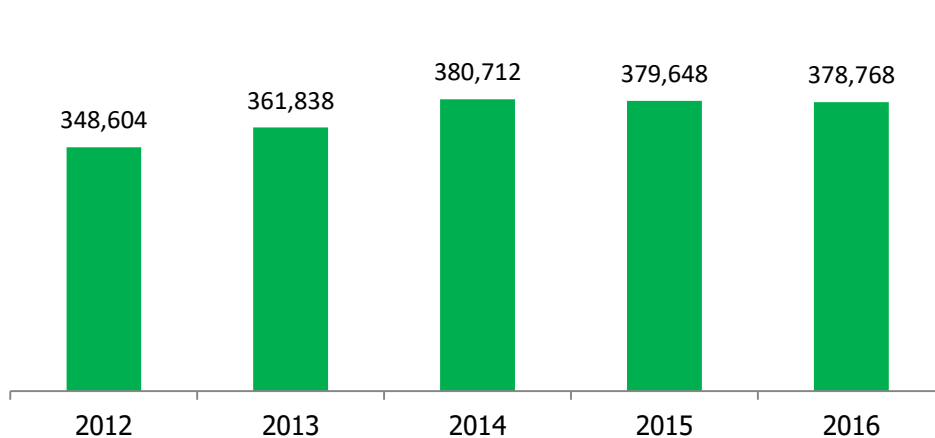
Hospitals	Gov't/ Private	Locations	Social Security Scheme	No. of Registered Beds
Phra Nakorn Sri Ayutthaya	Gov't	Phra Nakhon Si Ayutthaya District	✓	528
Sena Hospital	Gov't	Sena District	✓	180
Karunvej Ayutthaya Hospital	Private	Bang Pa-in District	✓	105
Supamitrsena General Hospital	Private	Sena District	-	100
Peravech Hospital	Private	Phra Nakhon Si Ayutthaya District	-	53

Ayutthaya's Healthcare Industry Outlook



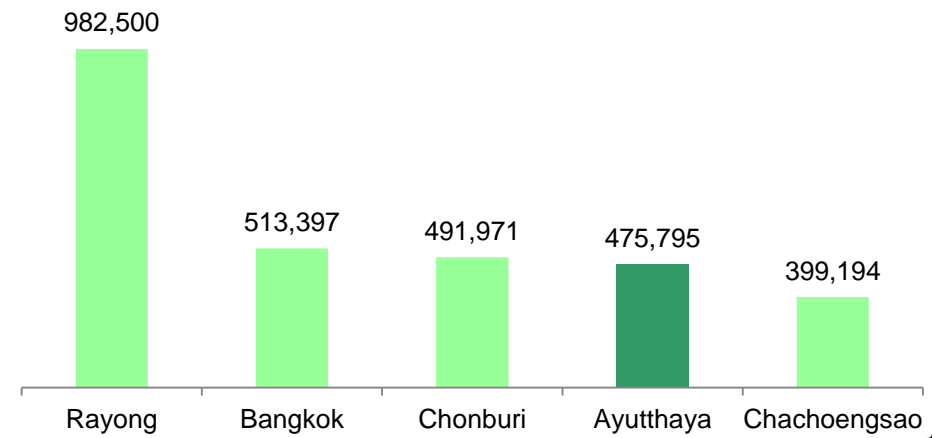
Source: Social Security Office, Ministry of Labor

Number of Insured Persons in Ayutthaya



Source: Social Security Office, Ministry of Labor

Provinces with the highest GDP per capita (2015)

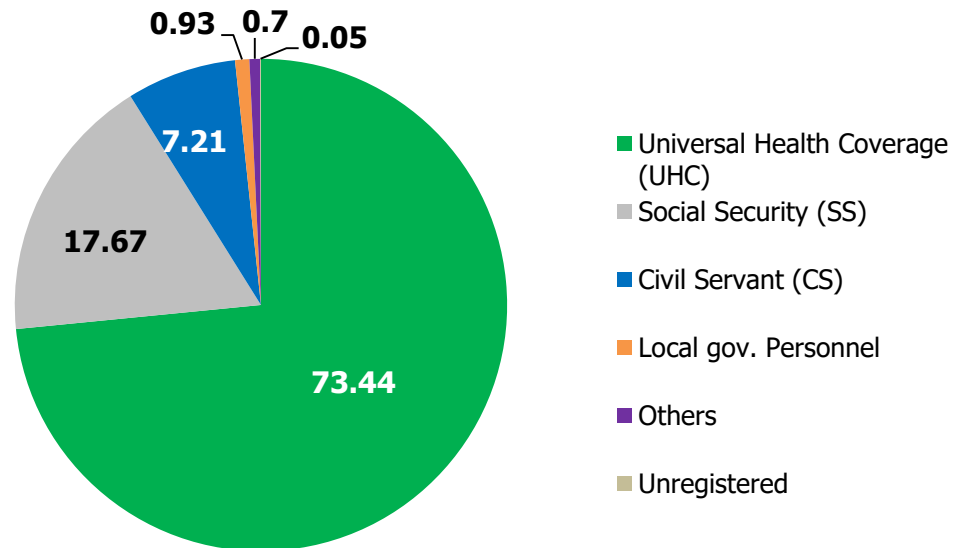


Source: NESDB

Thailand's Capitation Schemes



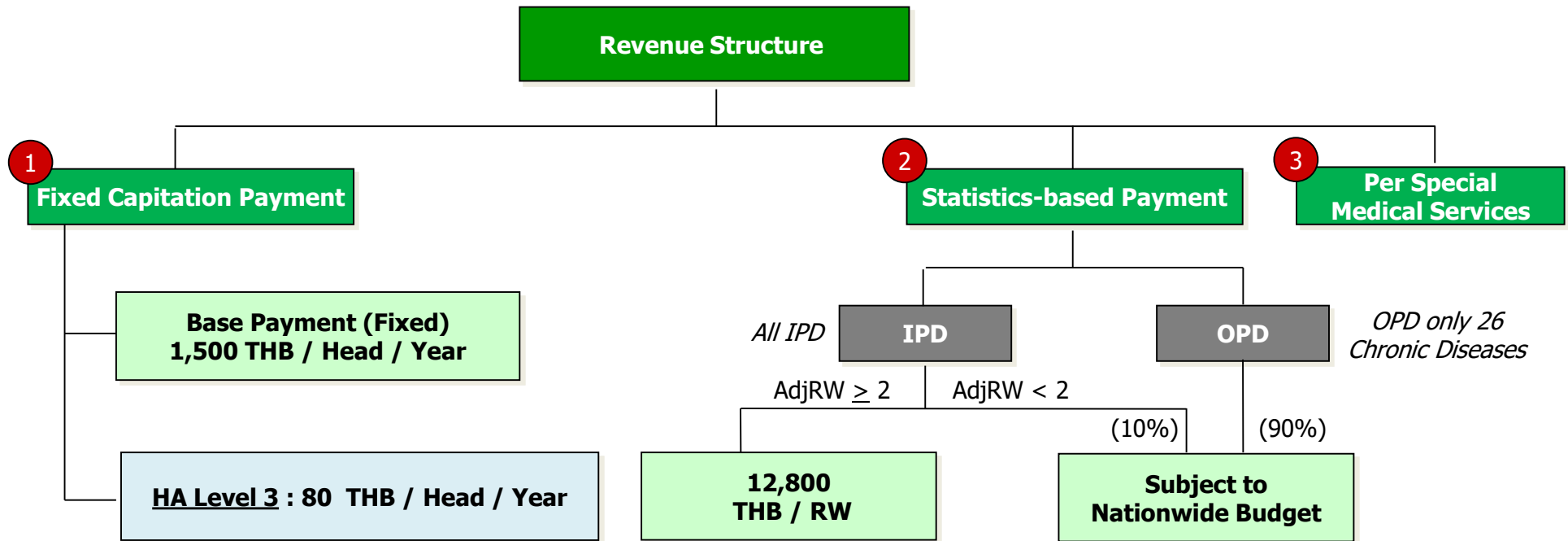
Healthcare Segments in 2016



Source: National Health Security Office (NHSO)

Capitation Schemes	Description
Universal Health Coverage (UHC)	It was aimed to provide healthcare services for those who are not in any other healthcare scheme.
Social Security Scheme (SS)	This scheme offers healthcare benefits to employees in the private sector as a minimum requirement. The benefits cover sickness, disability, injuries from hazardous incidents and death, both from work or non-work.
Civil Servant (CS)	A welfare scheme for state and state enterprise employees

Revenue Structure under Social Security Scheme



Service Payments for Social Security Scheme



Payment type	2013	2014	2015	2016	2017(July)
1. Fixed Capitation Payment (THB/Head/Year) • Monthly payment	1,446	1,460	1,460	1,460	1,500
Additional Payments					
2. HA Accredited Hospital Payment (THB/head/year) • Monthly payment	HA Level 1: 0 HA Level 2: 40 HA Level 3: 80	HA Level 1: 0 HA Level 2: 40 HA Level 3: 80	HA Level 1: 0 HA Level 2: 40 HA Level 3: 80	HA Level 1: 0 HA Level 2: 40 HA Level 3: 80	HA Level 1: 0 HA Level 2: 40 HA Level 3: 80
3. Payments subject to conditions • 26 Chronic diseases (OPD) ~ 90% • AdjRW < 2 (IPD) ~ 10% • 6 months payment	Variable (nationwide budget)	Variable (nationwide budget)	Variable (nationwide budget)	Variable (nationwide budget) Budget: 432 THB per insured person	Variable (nationwide budget) Budget: 447 THB per insured person
4. Payments depending on high caring costs AdjRW ≥ 2 (THB / 1 AdjRW) (Able to refer cases to supra-contractors or medical schools with tertiary care)	< Tertiary Care: 11,500 Tertiary Care: 15,000	< Tertiary Care: 11,500 Tertiary Care: 15,000	< Tertiary Care: 10,000 Tertiary Care: 15,000	< Tertiary Care: 10,000 Tertiary Care: 15,000 Budget: 560 THB per insured person	12,800 THB Budget: 640 THB per insured person
5. Other Payments – Equipment & Implants, etc.	As per actual payments made; subject to the Social Security Office's policy				

RJH was awarded the Level 3 of Hospital Accreditation (HA) in 2015 and received first reaccreditation in 27 Jun. 2017

RJH is of secondary care.

03

3. Financial Performance 4Q17 and 2017 – RJH GROUP



Note to Financial Presentation



1. Since 2016 , revenue was reclassified to Non Social Security (Non-SS) and Social Security (SS) :
 - SS is revenue earned from Social Security Office which is mainly related to number of Social Security persons registered with RJH.
 - Non-SS is revenue other than SS. This revenue category is related to number of visited patients i.e. Self-pay , insurance, corporate contract, civil servant, Compulsory Automobile Insurance Act as well as Hemodialysis patients under Social Security.

There is no change to total amount of revenue which has been previously presented.

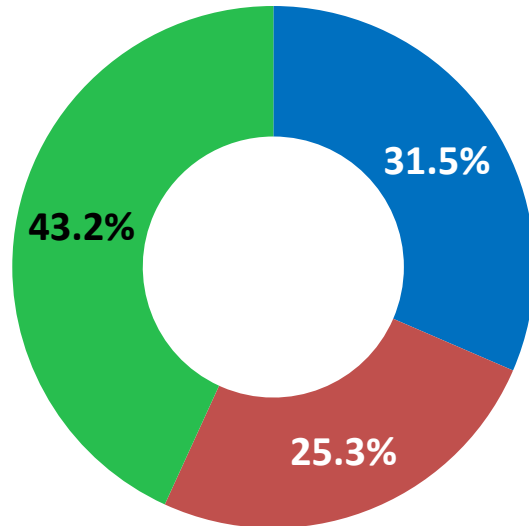
2. Since 2016 , number of patients were derived from number of visited patients. Previously, number of patients were derived from number of bills. Non-SS Patients may utilize benefit from insurance and pay for the remaining. Two bills are recorded for one visited patient. In order to reflect more accurately income per patient, we has used number of visited patients instead of number of bills since 2016.

Revenue Breakdown By Patient Type



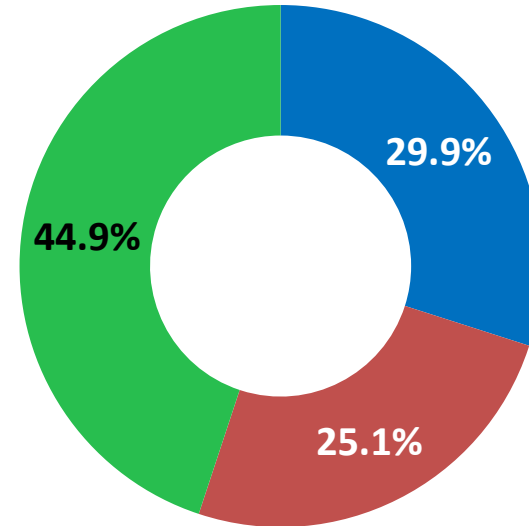
Patient Type (Consolidated)

As of 2016



- OPD Non SS Patients
- IPD Non SS Patients
- Social Security Scheme

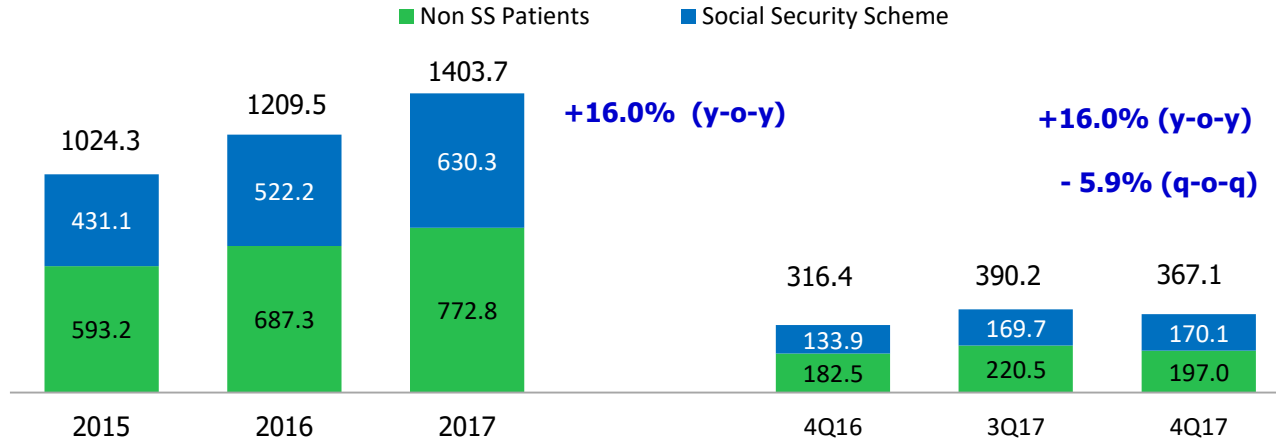
As of 2017



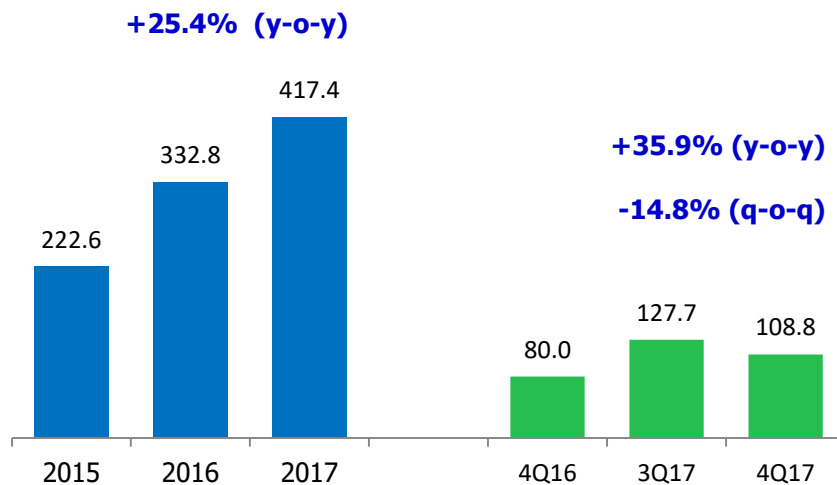
4Q17 and 2017 Group Performance



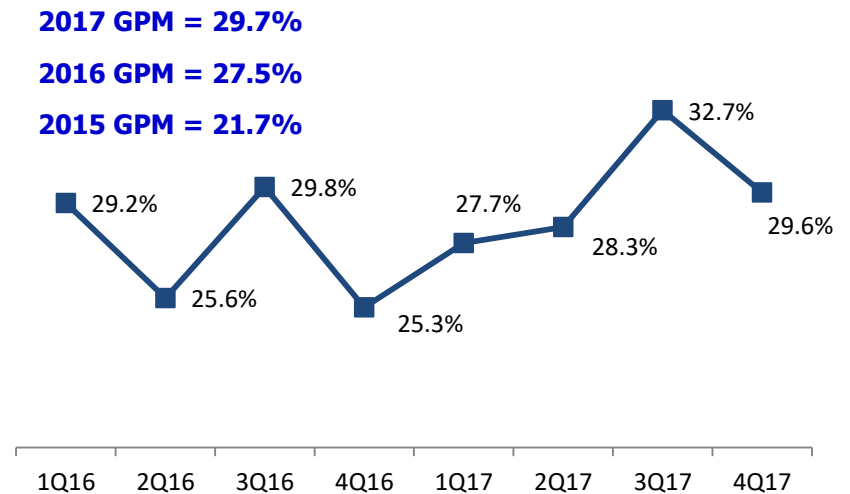
Revenue from Hospital Operations (THB Million)



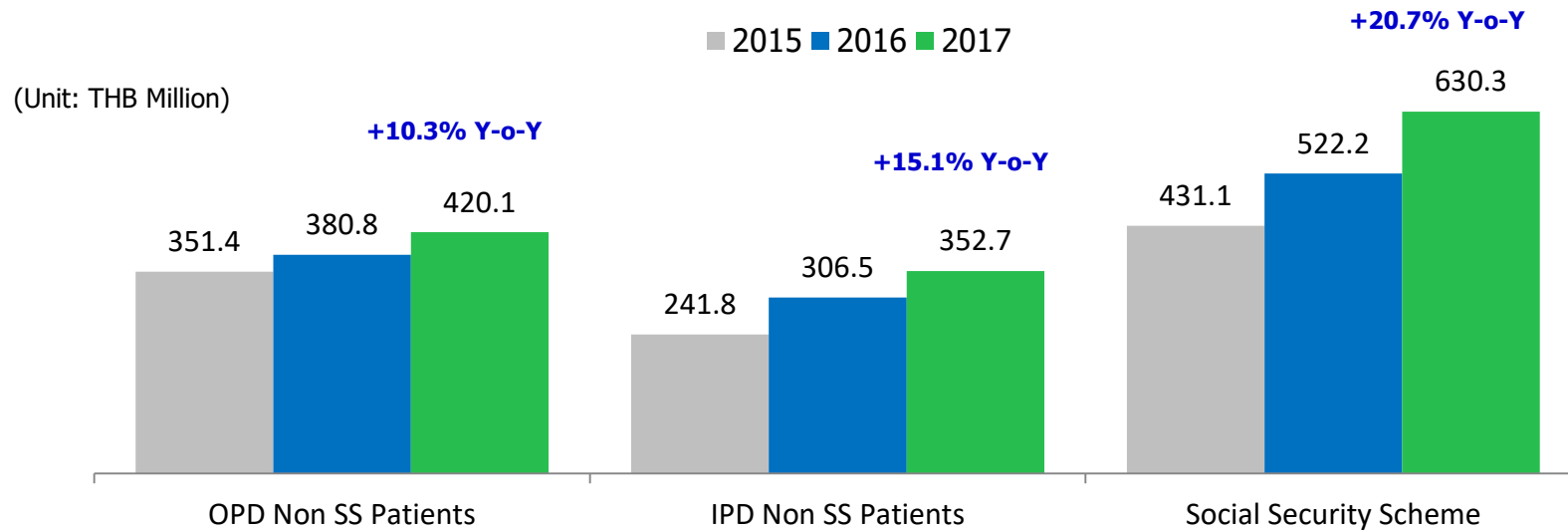
Gross Profit (THB Million)



Gross Profit Margin (%)



Revenue by Patient Types : 2015 – 2017



Growth from Non-Social Security Patients :

- OPD – increase of subspecialty doctors, especially cardiologists, ophthalmologists and dentists contributed to increase in number of OPD visits. In addition, the promotion of check-up program also boosted OPD revenue
- IPD – RJH added 26 beds and RRH added 8 beds in 2017. Improved revenue was also from orthopedics and obstetrical delivery case, Cath Lab.
- Increase of hospital service fee and medical price

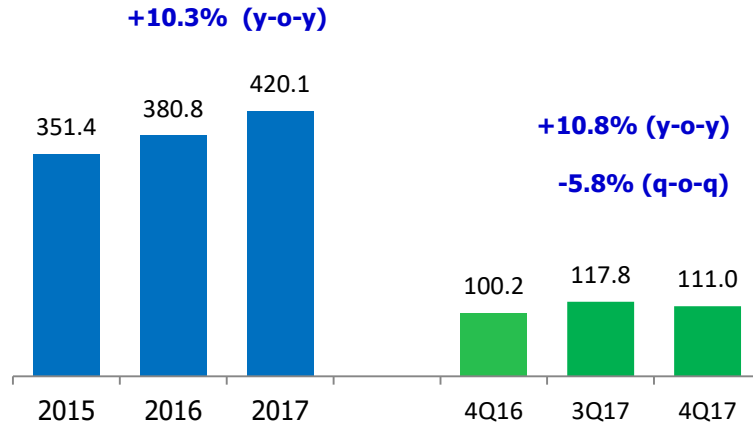
Growth from Social Security Patients:

- Increasing registered social security persons, more admittance of patients with complicated diseases and the efficiency in patient data management
- Increase of payment rate from Social Security Office since Jul 2017.

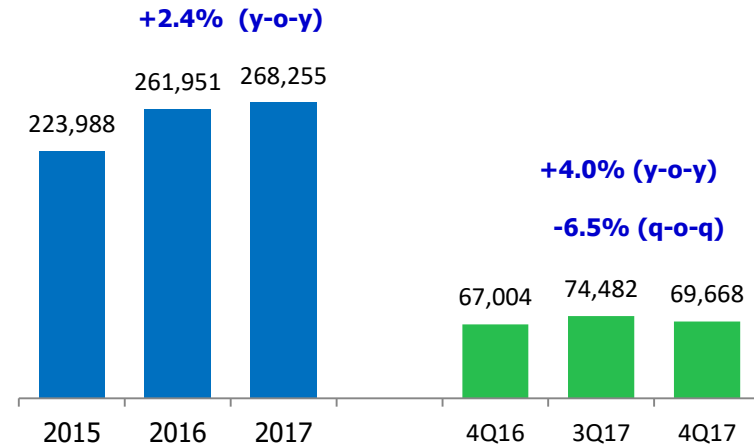
OPD - Non SS Patients



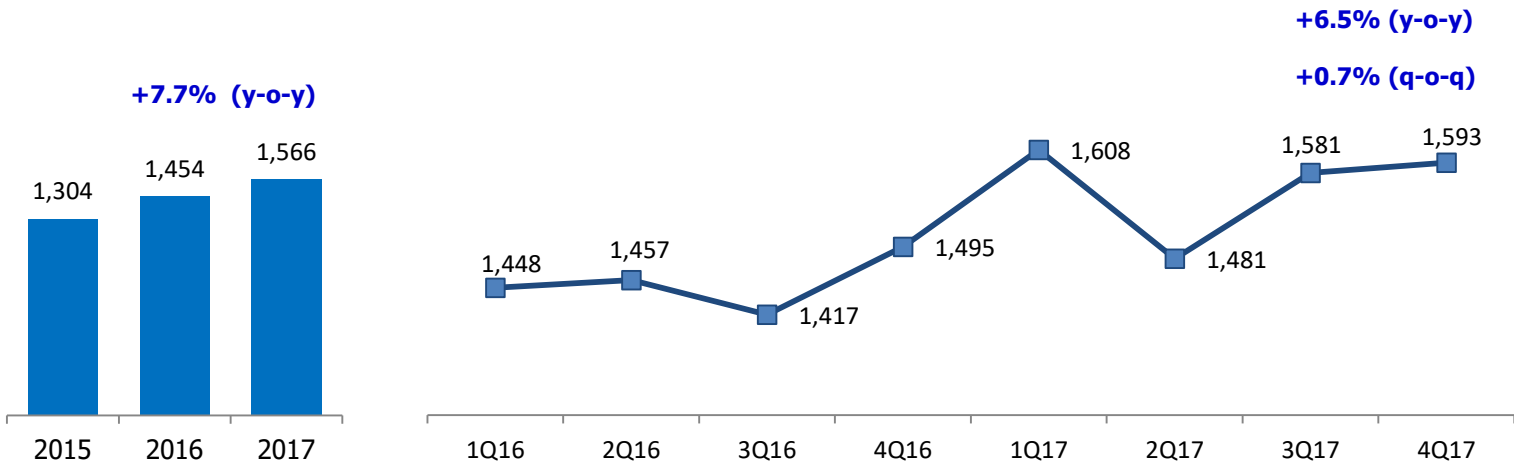
Revenue from OPD Non SS Patients (MB)



Number of OPD Visits (Visits)



Revenue per OPD Visit (THB/Visit)

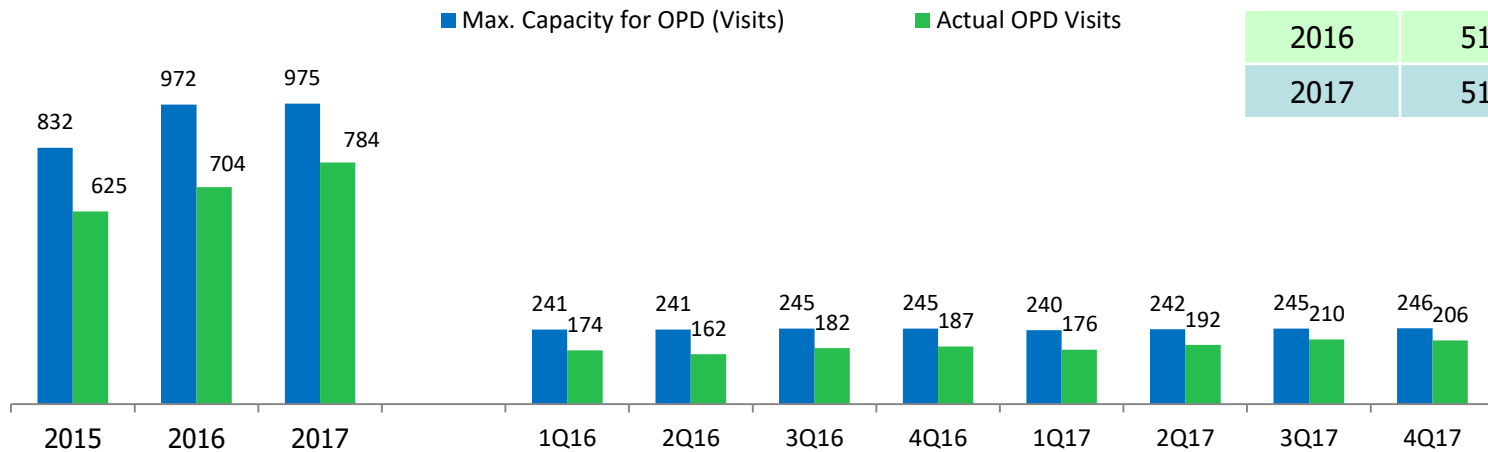


OPD Utilization Rate – All Sectors



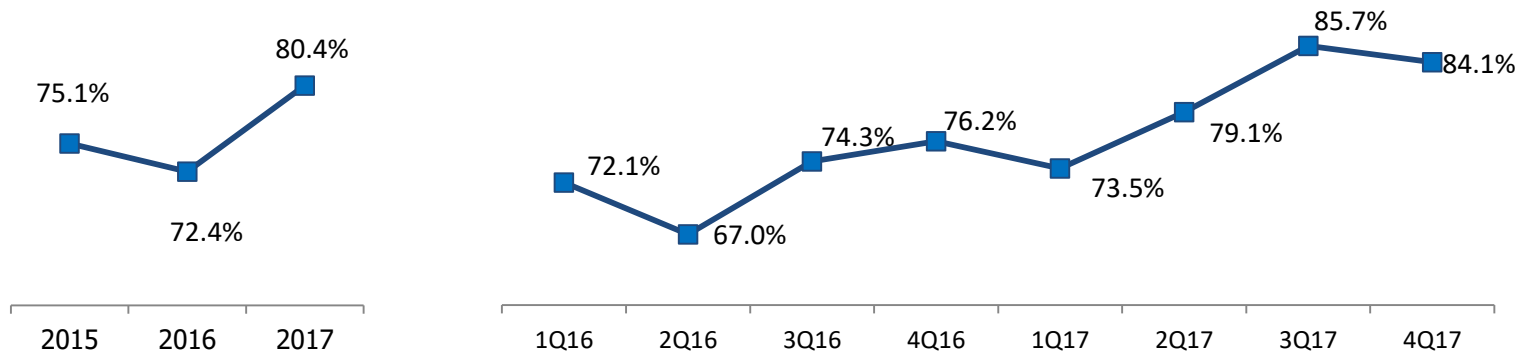
OPD Visits

(Unit: '000 visits)



Period	No. of Exam. Rooms	Hemo dialysis Units
2015	44	31
2016	51	43
2017	51	47

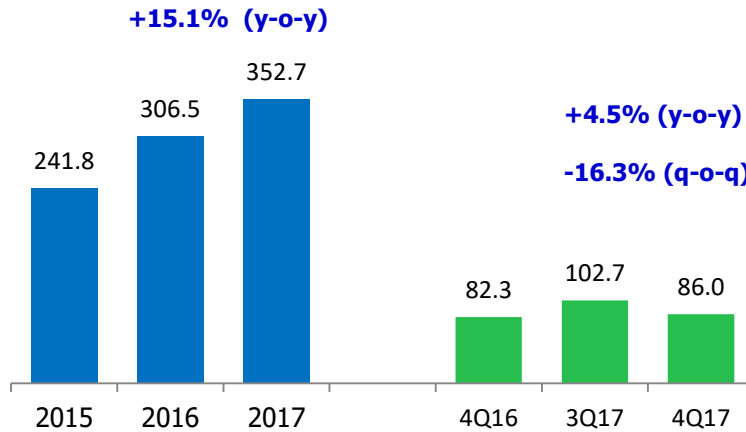
OPD Utilization Rate (%)



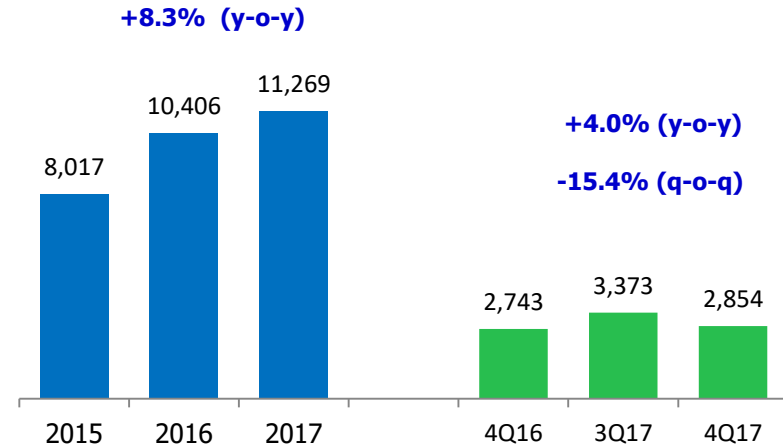
IPD – Non SS Patients



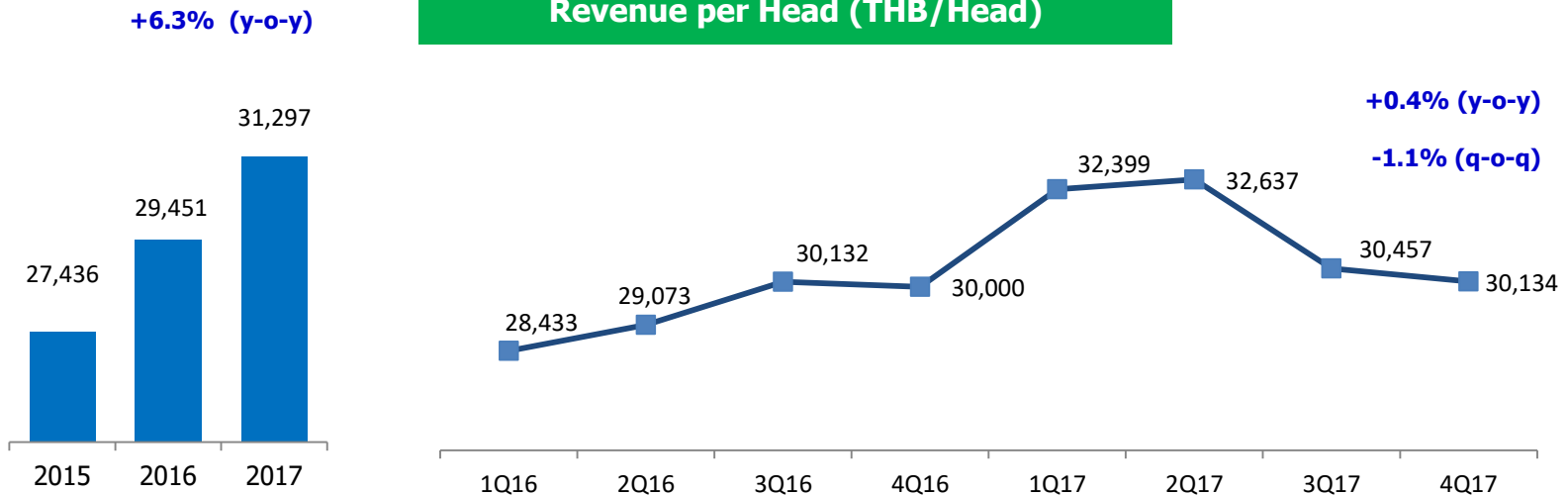
Revenue from IPD Non SS Patients (MB)



Number of IPD Patient (Head)



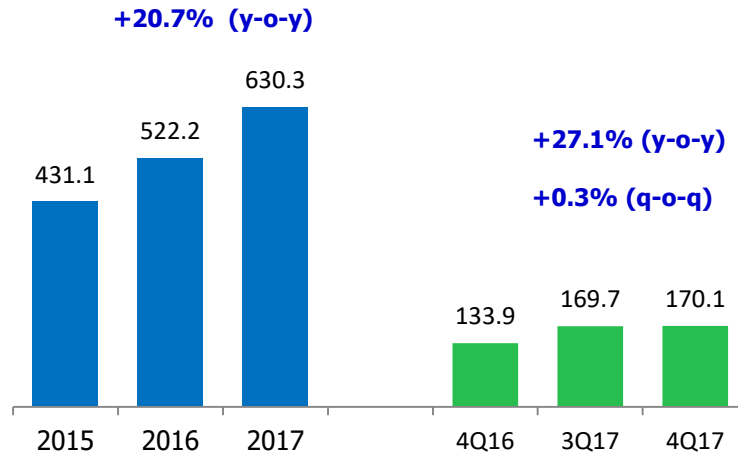
Revenue per Head (THB/Head)



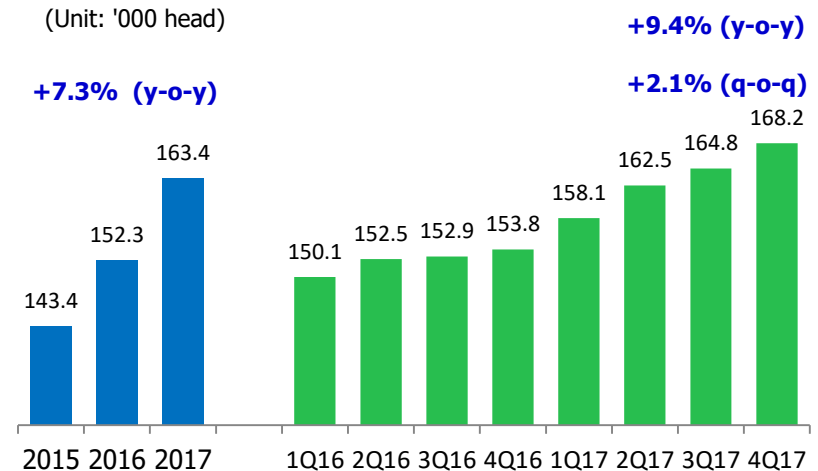
Social Security Scheme



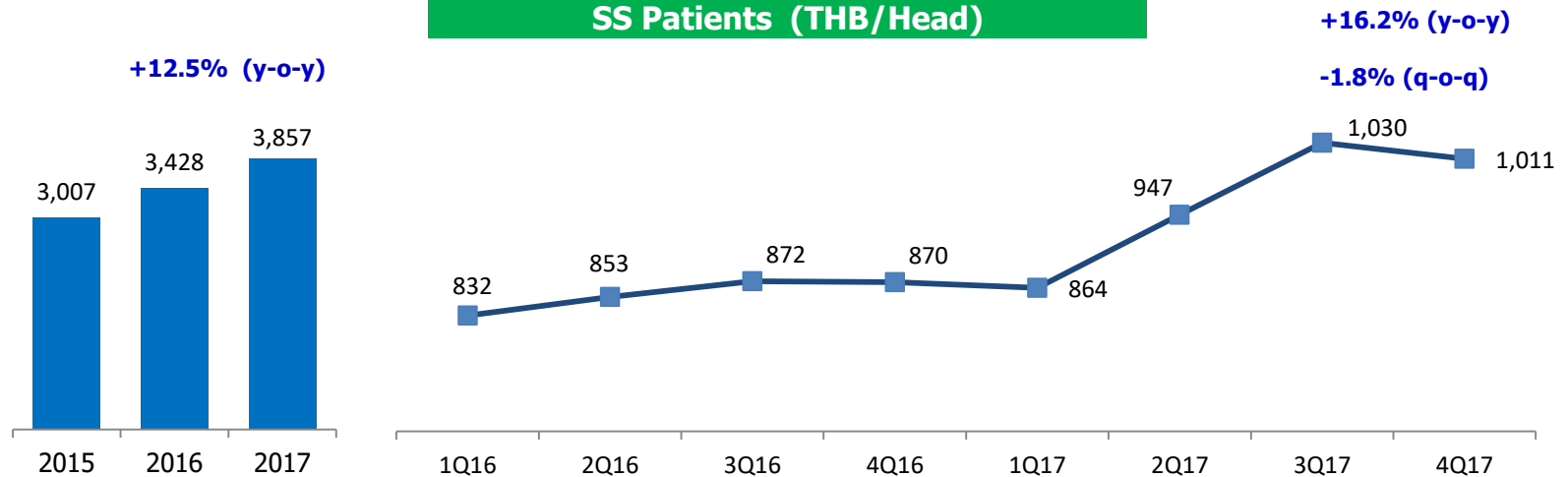
Revenue from SS Patients (MB)



Average Registered SS Patients



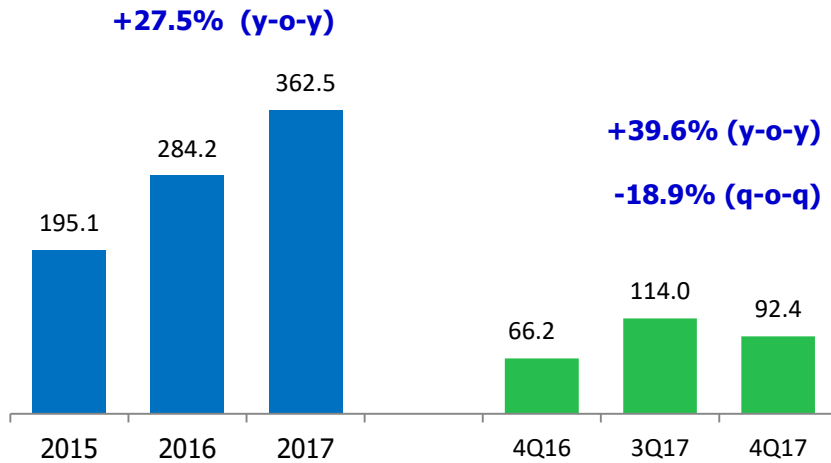
Revenue per Average Registered SS Patients (THB/Head)



4Q17 and 2017 Group Performance



EBITDA (THB Million)

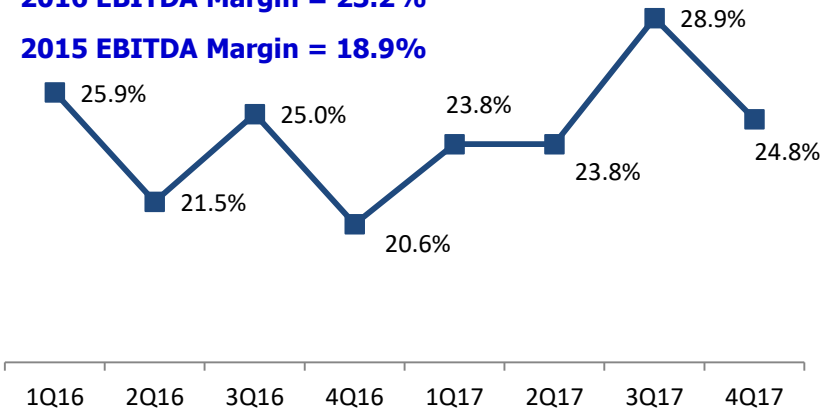


EBITDA Margin (%)

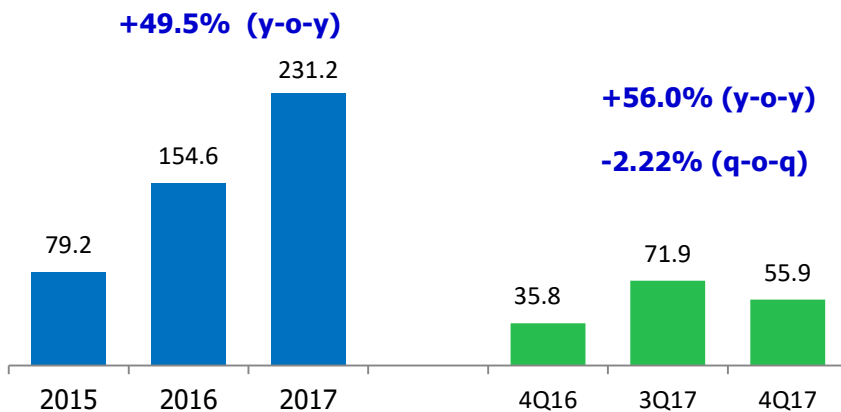
2017 EBITDA Margin = 25.4%

2016 EBITDA Margin = 23.2%

2015 EBITDA Margin = 18.9%



Net Profit (THB Million)

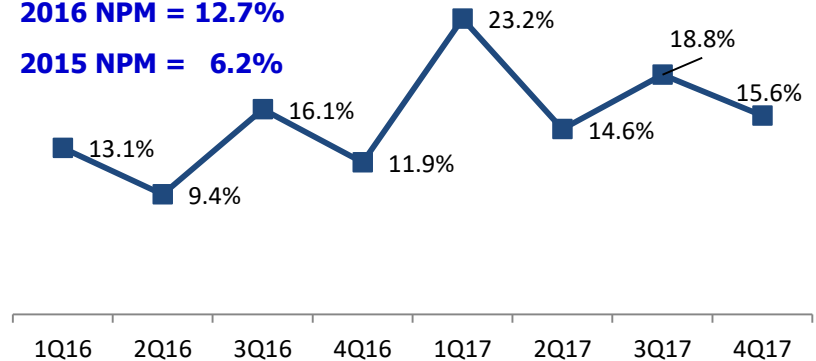


Net Profit Margin (%)

2017 NPM = 18.0%

2016 NPM = 12.7%

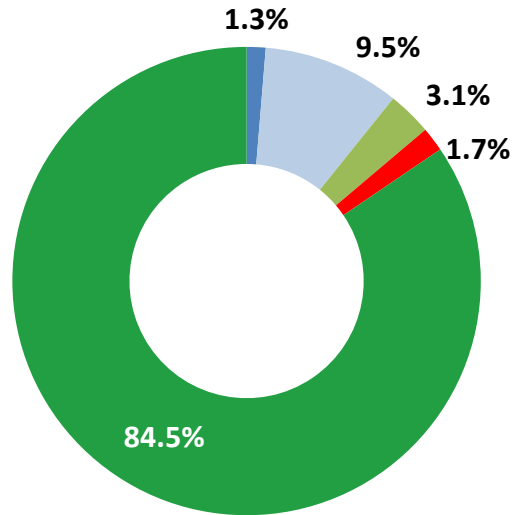
2015 NPM = 6.2%



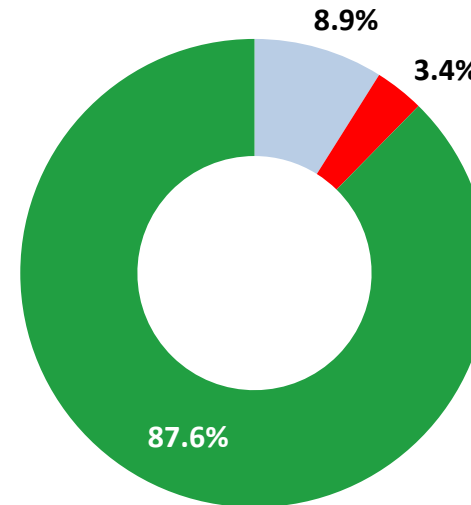
Capital Structure & Debt-to-Equity Ratio



As of 2016

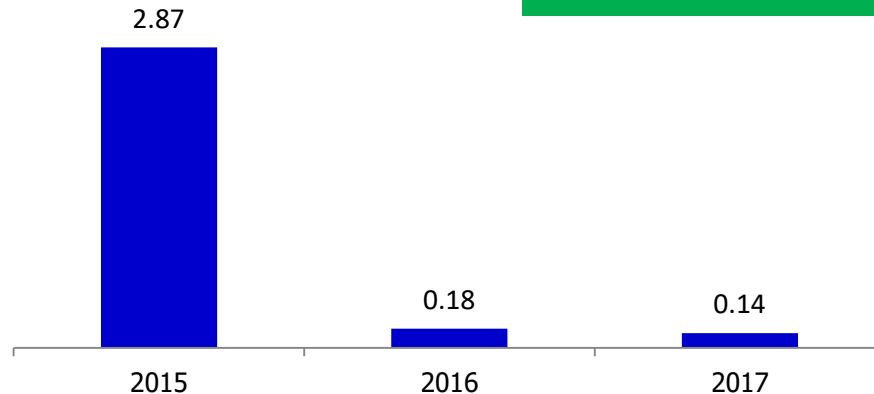


As of 2017



- ST Loans
- Accounts payable
- LT Loans
- Others Liabilities
- Equity

Debt-to-Equity Ratio (Times)



Remarks:

- The post-IPO shareholders' equity increased since 3Q16.
- Pay-off loans with financial institutions in 2H16

04

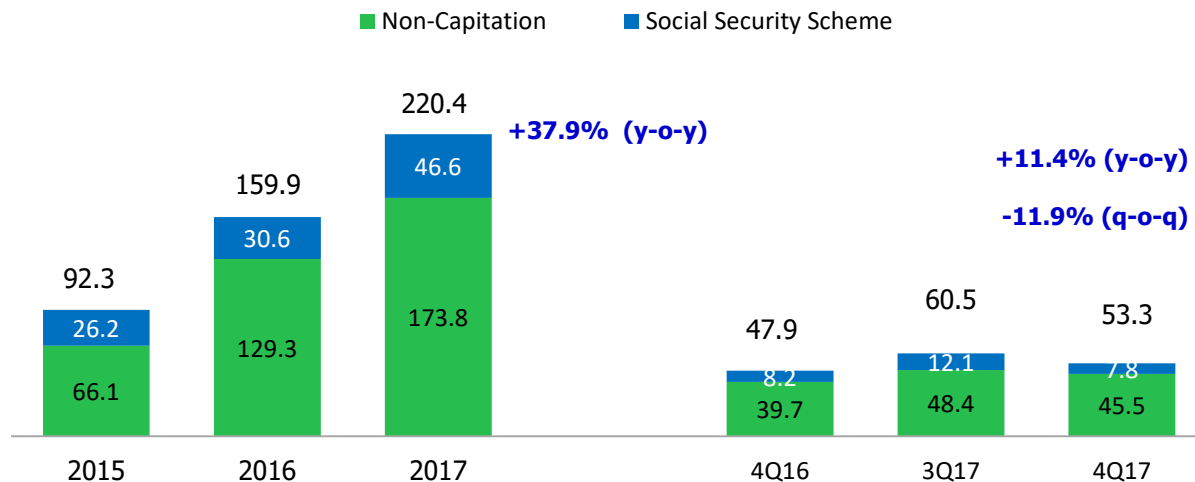
Financial Performance 4Q17 and 2017 - RRH



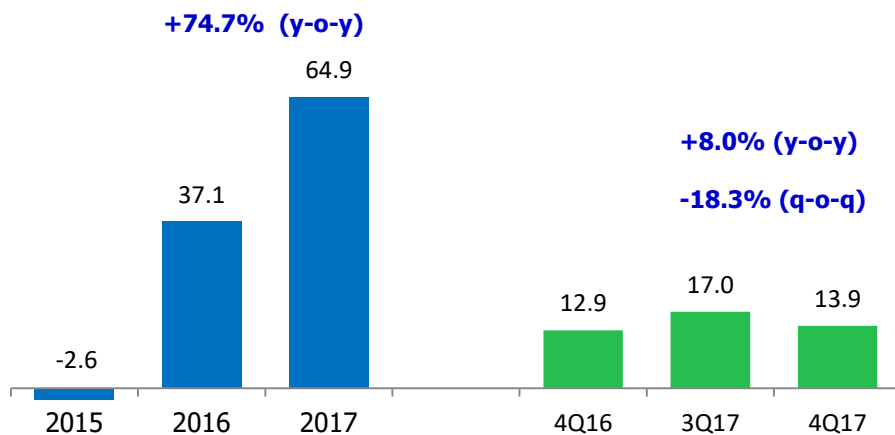
RRH - 4Q17 and 2017 Performance Summary



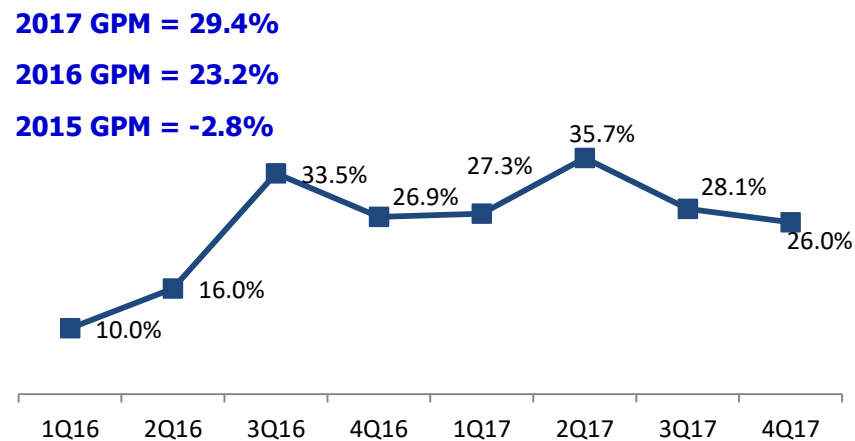
Revenue from Hospital Operations (THB Million)



Gross Profit (THB Million)



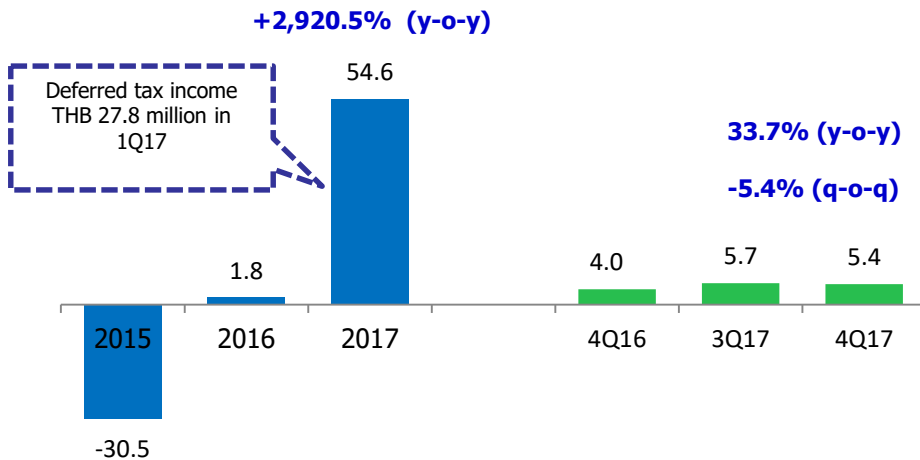
Gross Profit Margin (%)



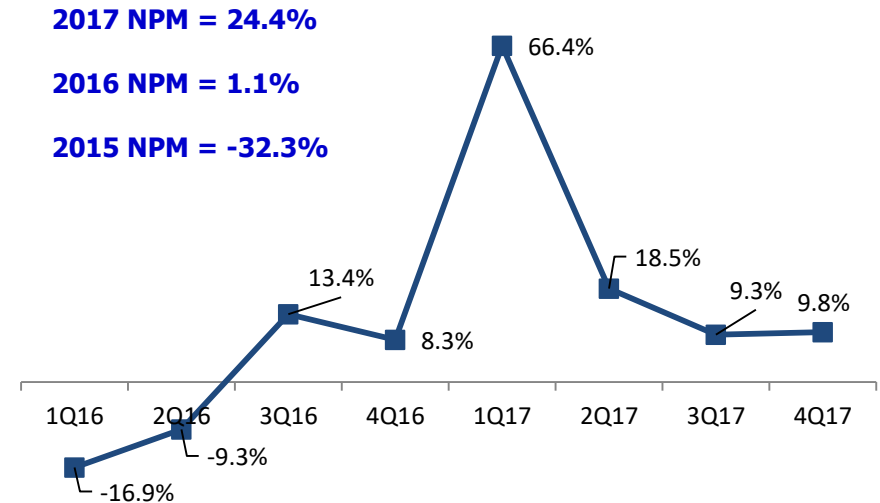
RRH - 4Q17 and 2017 Performance Summary



Net Profit (THB Million)



Net Profit Margin (%)

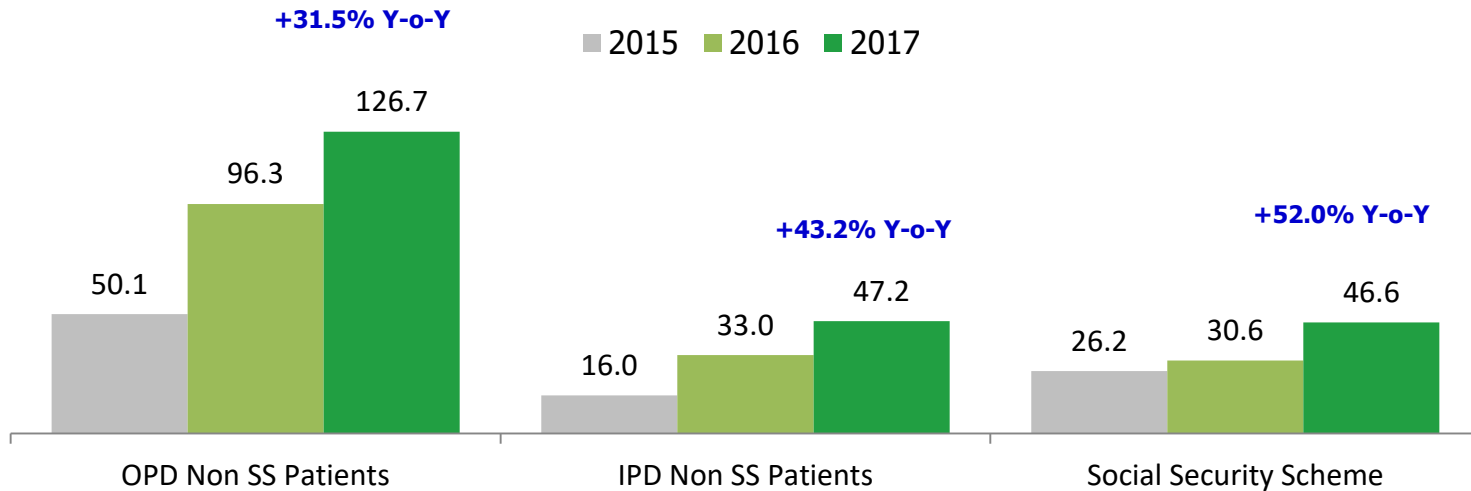


- In 1Q17, RRH recorded deferred tax income which mostly was tax shield stemming from 5-year losses. Total tax shield was THB 27.8 million. RRH on the other hand recorded deferred tax expenses (deferred tax write-off) THB. 4.4 million in 2017.
- In 2Q17, SS revenue from chronic diseases was adjusted upward for THB 7.67 million. THB 3.32 million and THB 3.64 million was adjusted for Y16 and 1Q17 revenue respectively. Therefore, revenue and gross margin was relatively high in 2Q17.

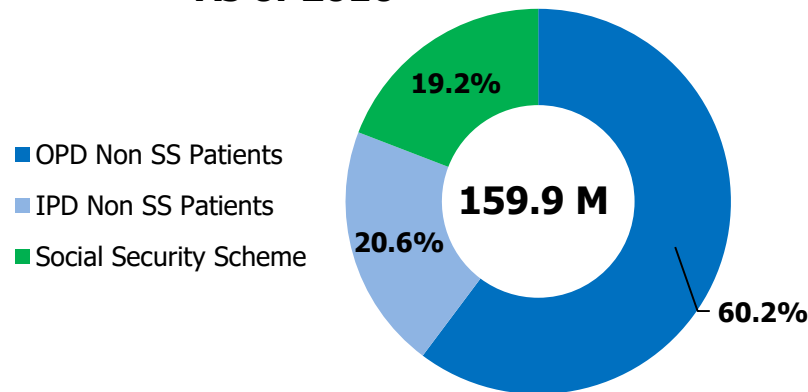
RRH - Revenue by Patient Types : 2015 – 2017



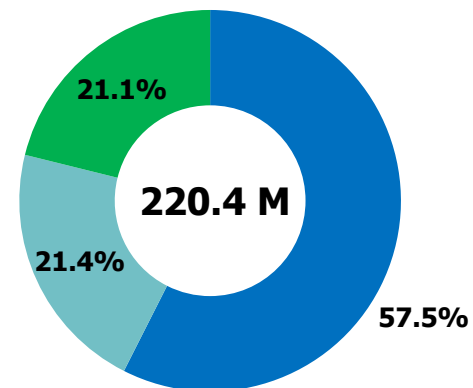
(Unit: THB Million)



As of 2016



As of 2017



05

Strategies for 2018 & Future Projects



Strategies for 2018



Segments	Strategies
Total Revenue	<ul style="list-style-type: none"> Targeted total revenue growth of 10-15%
OPD	<ul style="list-style-type: none"> Boost spending per bill by focusing on specialty cases such as dental implantation and laser slit lamp for ophthalmology procedures / 4D ultrasound for antenatal care (maternal–fetal medicine), etc. Alleviate crowded OPD at RJH by emigrating patients to RRH and by focusing on outside checkup and vaccines. Income from new unit : MRI center , 16 new hemodialysis units in RJH Renovation of OPD examination area in RRH
IPD	<ul style="list-style-type: none"> Addition of up to 23 hospital beds at RJH and 16 beds at RRH within 3Q 2018. Revise up IPD pricing Focus on growth in number of cash patients: <ul style="list-style-type: none"> - Cardiac Catheterization - Cataract surgery - Minimal invasive surgery - Obstetrical delivery cases
Social Security	<ul style="list-style-type: none"> Increase the number of insured persons at RJH and RRH Boost income from SW checkup, chronic disease
Heart Center	<ul style="list-style-type: none"> Increase the number of all categories of patients (UC / SC / Cash)

Future Projects



Projects	Capital Expenditure	Expected Completion	Project Details
MRI Center	Already Invested	Opened in Jan. '18	<ul style="list-style-type: none"> To be the 1st MRI center in Ayutthaya Partnering with an MRI company with extensive experience in MRI market in the upcountry Expecting minimum of 160 cases per month
Capacity Expansion	Approx. THB 20 M	3Q 2018	<ul style="list-style-type: none"> Adding up to 23 hospital beds at RJH and 16 beds at RRH
Hemodialysis Center	Approx. THB 15 M	4Q 2018	<ul style="list-style-type: none"> Expansion from 27 to 43 units at RJH
A New 9-storey Patient Building	Approx. THB 600 M	2020	<ul style="list-style-type: none"> Addition of 120 patient beds to serve only cash patients Expanded medical centers/clinics (e.g., Heart Center, Pediatric Center; Dental Center, Check-up Center and ICU) New medical centers (e.g., Gastrointestinal & Liver Center, Infertility Center and Skin & Beauty Center) Expecting to absorb demand of healthcare services for 5-10 years
Total Capital Expenditure	Approx. THB 635 M		

Future Projects



Projects	Beds	Expected Completion	Project Details
<p>New 9-storey Patient Building</p>	<p>120</p>	<p>2020</p>	<ul style="list-style-type: none"> • Focus only on cash patients • Conveniently located at the main campus of RJH and connected to the existing patient building • 4 floors designated for OPD examination rooms together with a number of expanded and new clinics and centers • 5 floors designated for IPD wards, 24 beds per floor, total of 120 beds • 16 new ICU units



Thank You

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