

annual report

The Philippine Heart Center is the leader in upholding the highest standards of cardiovascular care, a self-reliant institution responsive to the health needs of the Filipino people.

Our Mission

Driven by our shared desire to improve the health status of the Filipino people, we at the Philippine Heart Center, shall provide comprehensive cardiovascular care, enhanced by education and research that is accessible to all.

Our Vision

MESSAGE FROM THE DIRECTOR

*(Welcome Remarks on the Inauguration
of New Facilities on the 38th PHC Anniversary,
15 February 2013 with Pres. Benigno S. Aquino III
as Guest of Honor)*



Welcome to the 38th Anniversary of the Philippine Heart Center. Today is a special day for the PHC, not only for its celebrating another year of service to the Filipino people but because this is the first time that a President of the Philippines has set foot in the PHC to grace an anniversary celebration.

For much too long, government hospitals such as the PHC have languished under the stigma of being dirty, filthy and ill-equipped mainly because the government has not given Health the attention it deserved.

With the PHC as beneficiary of President Aquino's *Kalusugan Pangkalahatan* Program, as the president unveils our new facilities, we proudly declare to the Filipino nation that the PHC is *malinis, mabango* and no other hospital can lay claim to being better equipped and better prepared to confront the problem of heart disease in the country.

A handwritten signature in black ink, reading "Manuel T. Chua Chiaco, Jr." with a stylized flourish at the end.

MANUEL T. CHUA CHIACO, JR., MD
Executive Director
Philippine Heart Center

MEDICAL SERVICES

HIGHLIGHTS OF ACCOMPLISHMENTS



ADMITTING SECTION

	<u>2012</u>	<u>2013</u>
Total Admissions	13,975	14,194
<i>Pay</i>	12,808	12,636
<i>Service</i>	1,167	1,558
Occupancy Rate	75.04%	73.12%
Total Bed Capacity	337	352

OUTPATIENT DIVISION

Total Number of OutPatients	54,824	51,143
<i>Adults</i>	39,183	34,666
<i>Pedia</i>	15,641	16,477

CATCHMENT AREA (In-Patients)

	<u>Region</u>	<u>2012</u>	<u>2013</u>
I	Ilocos Region	285	329
II	Cagayan Valley	195	194
III	Central Luzon	1,875	2,030
IV-A	Calabarzon	2,465	2,445
IV-B	Mimaropa	120	159
V	Bicol Region	227	227
VI	Western Visayas	194	209
VII	Central Visayas	83	104
VIII	Eastern Visayas	157	162
IX	Western Mindanao	70	71
X	Northern Mindanao	79	104
XI	Southern Mindanao	29	28
XII	Socsargen	24	32
XIII	Caraga Region	28	37
CAR	Cordillera Admin.Region	85	86
NCR	National Capital Region	7,899	7,782
ARMM	Autonomous Region in Muslim Mindanao	31	36
Others	(Foreign-Based)	129	159
	TOTAL	<u>13,975</u>	<u>14,194</u>

	<u>2012</u>	<u>2013</u>
<u>NON-INVASIVE CARDIOLOGY (Cardiac Graphics)</u>		
Total Number of Procedures Done	38,891	40,161
<i>In-Patients</i>	11,824	11,956
<i>OutPatients</i>	27,067	28,205
Total Patients Served	38,563	37,477
<i>In-Patients</i>	11,496	15,643
<i>OutPatients</i>	27,067	21,834
<u>INVASIVE CARDIOLOGY (CV Lab)</u>		
Total Number of Procedures Done	5,664	5,822
<i>Hemodynamic Studies</i>	195	188
<i>Coronary Angiograms</i>	3,603	3,765
<i>PCI Cases</i>	20	12
<i>PCI with Stent</i>	1,140	1,151
Total Patients Served	5,882	4,785
<u>NUCLEAR MEDICINE</u>		
Total Number of Procedures Done	5,882	3,194
<i>Imaging</i>	960	975
<i>Radioactive Iodine Therapy</i>	49	78
<i>Radioimmunoassay</i>	4,873	2,141
Total Patients Served	3,068	5,765
<i>Imaging</i>	960	975
<i>Radioactive Iodine Therapy</i>	49	78
<i>Radioimmunoassay</i>	2,059	4,712
<u>PULMONARY MEDICINE</u>		
Total Number of Procedures Done	99,498	112,527
Total Patients Served	79,758	132,467
<u>RADIOLOGY</u>		
Total Number of Procedures Done	51,618	53,565
<i>Gen. Diagnostic</i>	36,948	38,225
<i>CT Scan</i>	2,743	2,978
<i>Ultrasound</i>	4,566	4,505
<i>Interventional</i>	5,609	5,584
<i>MRI</i>	1,752	2,273
Total Patients Served	46,586	42,985
<u>LABORATORY MEDICINE</u>		
Total Number of Procedures Done	290,442	298,456
Total Patients Served	40,048	44,521

	<u>2012</u>	<u>2013</u>
<u>BLOOD BANK</u>		
Total Number of Procedures Done	181,437	196,456
Total Patients Served	5,928	6,579
Total Blood-Letting Sessions	9,789	11,078
<u>CARDIOVASCULAR SURGERY</u>		
Total Number of Surgeries	2,798	3,028
<i>Pay Patients</i>	<i>2,218</i>	<i>2,360</i>
<i>Service Patients</i>	<i>580</i>	<i>668</i>
Total Number of Open Heart Surgeries	1,256	1,444
Total Bypass Surgeries	572	619
Total Valvular Surgeries	277	324
Total Congenital Heart Surgeries	598	680
Total Thoracic CV Surgeries	113	104
Total Vascular Surgeries	219	221
<u>PERIPHERAL VASCULAR</u>		
Total Number of Procedures Done	2,510	2,798
Total Patients Served	2,259	2,565
Total Wound Care Patients Served	378	382
<u>CARDIAC REHABILITATION</u>		
Total Number of Procedures Done	2,005	4,487
Total Patients Served	328	415
<u>PHYSICAL REHABILITATION</u>		
Total Number of Procedures Done	23,474	26,499
Total Patients Served	20,892	18,870
<u>ELECTROCARDIOLOGY</u>		
Total Number of Procedures Done	965	1,051
Total Patients Served	945	1,019

INFECTION CONTROL PROGRAM

For the year 2013, Philippine Heart Center had a total of 295 healthcare-associated infections, representing an average of 24.58 infections/month and average infection rate of 2.08%.

Compared to year 2012 with a total of 343 healthcare-associated infections, a monthly average of 28.58 cases and an average infection rate of 2.46%, a 13.99% decrease in total number of infections and 0.38% decrease in the infection rate were noted.

Medical Infections

A total of 262 medical healthcare-associated infections were recorded for 2013. Respiratory Infection had the highest incidence with a total of 145 cases followed by bloodstream infection with 60 cases, urinary tract infection with 41 cases, surgical site infection with 30 cases and skin and soft-tissue infection with 16 cases.

In 2012, there were 315 medical infections with 219 respiratory infection, 46 for bloodstream infection, 37 for urinary tract infection, 30 for surgical site infection and 11 skin and soft-tissue infection. With these, a 16.82% decrease in medical infections was noted.

The decrease may be attributed to strict compliance with infection control practices like isolation precaution, appropriate use of PPEs, hand hygiene and utilization of the Bundles of Care (VAP, CRBSI, CAUTI).

MEDICAL INFECTIONS		
<u>Type of Infection</u>	<u>2012</u>	<u>2013</u>
Respiratory	219	145
Bloodstream	46	60
Urinary Tract	37	41
Surgical Site	30	30
Skin & Soft-Tissue	11	15
TOTAL	<u>315</u>	<u>262</u>

Surgical Infections

A total of 32 surgical site infections were recorded in 2013. This represents an average of 2.75 cases per month and an average surgical site infection rate of 1.02%.

For 2012, there were a total of 28 surgical site infections, an average of 2.33 cases per month and an average of 0.97% surgical site infection rate.

These statistics show a 14.28% increase in surgical site infections, a 0.42% increase in cases per month and a 0.05% increase in the surgical site infection rate.

The increase in surgical site infections may be attributed to the following factors: ongoing renovations near/at the Operating Room complex, risk factors of patients like diabetes mellitus, elderly and very young patients, smokers/previous smokers, alcoholic drinkers, those with underlying infection/s before surgery, and emergency cases.

Device-Associated Infections

A total of 110 device-associated infections were recorded for the year 2013, with Ventilator-Associated Pneumonia (VAP) as the highest with 75 cases, catheter-related bloodstream infection (CRBSI) - 21 cases, catheter-associated urinary tract infection (CAUTI) – 14 cases. Total device-associated infection rate is 4.28%.

For 2012, there was a total of 137 device-associated infections, with a total rate of 5.71%, VAP had the highest - 121 cases, CRBSI - 6 cases and CAUTI - 10 cases.

DEVICE-ASSOCIATED INFECTIONS		
<u>Type of Infection</u>	<u>2012</u>	<u>2013</u>
Ventilator-Associated Pneumonia (VAP)	121	75
Catheter-Related Bloodstream (CRBSI)	6	21
Catheter-Associated Urinary Tract (CAUTI)	10	14
TOTAL	<u>137</u>	<u>110</u>

Comparing statistics, there was a 19.71% decrease in the number of device-associated infections and a 1.43% decrease in device-associated infection rate. These may be attributed to the decrease in the use of devices in the intensive care units (ICUs) such as mechanical ventilator, central line and indwelling foley catheter, compliance to bundles of care, and aseptic technique.

Hand Hygiene Compliance

<u>Group</u>	<u>2012</u>	<u>2013</u>
Nursing	64.53%	74.94%
Other Healthcare Workers	36.98%	49.09%
Doctors	39.09%	48.61%
Auxiliary (Janitors)	36.4%	38%
OVERALL COMPLIANCE	<u>59.07%</u>	<u>70.15%</u>

Increase in Hand Hygiene compliance may be attributed to the following factors: Availability of hand hygiene materials like liquid soap, paper towel, and alcohol-based hand rub (alcogel); celebration of World Hand Hygiene Day (May 5) and Global Handwashing Day (October 15); and the regular hand hygiene Compliance Audit by the Infection Control Link Coordinators. These activities remind the staff, employees, patients and their families about the importance of hand hygiene/washing.

Bedsore Surveillance

Total bedsore cases (health-care associated) for 2013 was 104, as compared to 171 cases in 2012. There was a 39.18% decrease in bedsore cases. Top bedsore management were turning and applying bactroban/calmoseptine cream.

PRESIDENT AQUINO AT INAUGURATION OF PHC FACILITIES



President Benigno S. Aquino III was the Guest of Honor at the inauguration of state-of-the-art facilities of the PHC on February 15, 2013 on the occasion of the Center's 38th anniversary.

The PHC is a tangible and grateful beneficiary of the P-Noy administration's *Kalusugan Pangkalahatan* (Universal Health Care) program. According to PHC executive director Manuel T. Chua Chiao, Jr., the centerpiece of these new facilities is the HYBRID OPERATING ROOM, the first and only one in the Philippines, with a built-in robotic imaging system for advanced cardiovascular procedures.

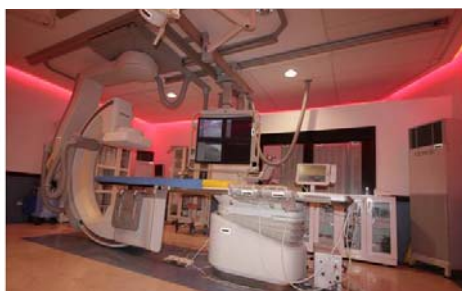
Other facilities inaugurated include a dedicated Pediatric Cardiovascular operating Room, a General Surgery Operating Room, separate from the Cardiac operating theatres, and an Endoscopic and Special Procedures Operating Room. The entire Operating Room complex of PHC now includes 10 operating rooms, with eight (8) dedicated to cardiovascular surgery.

PHC is also proud of its three (3) top-of-the-line catheterization laboratories and life support training programs that have earned for the hospital the status of an internationally-certified life- support training center.

The Hybrid O.R. is the most advanced operating suite in the country to date. Essentially, it is a sterile environment where traditional and interventional functions of the cath lab are combined with the traditional surgical functions of the O.R. It allows the cardiovascular surgeons, interventional cardiologists and radiologists and the CV healthcare team to perform combined open, minimally invasive and catheter-based procedures in the same operative setting.

The Pediatric CV Operating Room aims to increase the number of children that PHC can treat with heart surgery. It has the only intraoperative 3D Transesophageal Echocardiography for infants, neonates, young children and adolescents in the country. This facility will be a boon to pediatric heart patients.

Other facility improvements recently completed include the total renovation of the original Presidential Suite, a Wellness Clinic to take care of outpatient package check-up services and a new Children's Ward.



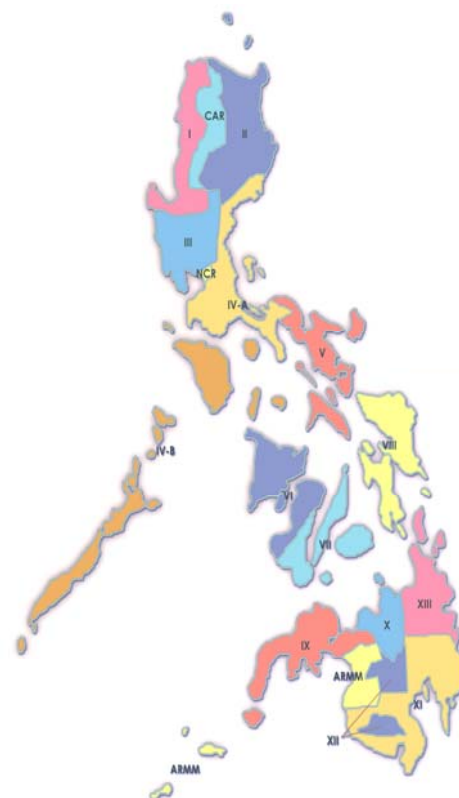
EDUCATION AND TRAINING

HIGHLIGHTS OF ACCOMPLISHMENTS

	<u>2012</u>	<u>2013</u>
Medical Specialty Trainees Graduated	32	59
Medical Training Programs Conducted	83	76
Participants in Medical Training Programs	1,779	2,669
Nursing Training Programs Conducted	106	112
Participants in Nursing Training Programs	2,824	3,062
In-House HRD Training Programs Conducted	73	85
Participants in In-House HRD Training Programs	2,183	3,224
Number of Students Deployed by HRD	154	156
Number of Volunteers Trained	98	137

TOTAL DISPERSAL

	Region	No. of Graduates
NCR	National Capital Region	21
CAR	Cordillera Administrative Region	2
I	Ilocos Region	1
II	Cagayan Valley	1
III	Central Luzon	2
IV-A	Calabarzon	3
IV-B	Mimaropa	0
V	Bicol Region	2
VI	Western Visayas	0
VII	Central Visayas	2
VIII	Eastern Visayas	1
IX	Western Mindanao	1
X	Northern Mindanao	1
XI	Southern Mindanao	1
XII	Socsargen	0
XIII	Caraga Region	0
ARMM	Autonomous Region in Muslim Mindanao	0
ABROAD	(Singapore)	1
TOTAL		<u>39</u>



RESEARCH

	<u>2012</u>	<u>2013</u>
Number of Researches (Medical)	118	95
Number of Researches (Nursing)	8	7

PUBLIC INFORMATION AND COMMUNITY SERVICE

	<u>2012</u>	<u>2013</u>
Number of People's Day Free Clinic	11	11
Number of Patients Served	833	746
Number of Community Outreach Projects	7	2
Number of People Served (Outreach)	379	200



SUPPORT SERVICES

			<u>2012</u>	<u>2013</u>
<u>PHARMACY</u>				
Total Number of Prescriptions Filled			865,343	841,744
In-Patient	833,017	803,418		
OutPatient	32,326	38,326		
Gross Sales Income (4.7% decrease)			Php340,803,603	Php324,741,178
<u>SOCIAL SERVICES</u>				
Total Patients Served			39,686	44,871
Transaction Area			28,199	32,487
OutPatients			10,231	10,950
New Cases	3,076	3,426		
Re-evaluated Cases	2,524	2,809		
Pre-Admission Cases	2,087	2,043		
Emergency Cases	2,544	2,672		
In-Patients			1,256	1,434
<u>NUTRITION AND DIETETICS</u>				
Total Number of Cooked Meals Prepared			712,049	778,758
Total Number of Tube Feedings Prepared			13,031	13,179
Number of Patients Visited			13,184	18,406
Number of Patients Given Diet Instructions			6,826	7,037
Gross Income (including penalties)			Php65,470,960	Php61,486,427
<u>FOODSERVICE</u>				
Gross Income (Cash Sales)			Php10,153,556	Php10,290,852
Increase of Php137,296.34 due to introduction of new variety of food served and better quality of service given to customers.				
Income from Hospital-Paid Functions (Increase of Php1,330,379)			Php2,274,104	Php3,604,483
Savings from Produce of Botanical/Herb Garden			Php13,465	Php20,062

ENGINEERING AND MAINTENANCE

(Major Projects for 2013)

Renovation/Expansion/Upgrading

Radiology Division
(Reception/Waiting Area/Office/
Sub-Waiting Area & Reception/Chief's Office)

X-Ray Reading Room/Residents' Locker Room

Ultrasound Section
CT Reading Room/Fellows' Room/Conference Room

Presidential Suite
(Medication/Treatment Room/Equipment Storage/
Comfort Room/Utility Room)

Nuclear Medicine

Heart Foundation Office (CV Surgery & Anesthesia Offices)

Wellness Clinic (5th floor)

Isolation Room (Men's & Women's Comfort Rooms)
at Adult Service Ward

SLEEP Clinic

1475 Main Cafeteria

MAB Elevator #3

Hospital Building Parking

Material Recovery Facility

Conversion

Linen Section to Presidential Suite
PICU2 to Children's Ward
Former CV Surgery & Anesthesia
Offices to Operating Rooms 9&10

Transfer to POCT Satellite Lab from
SICU2 to near CCU & SICU1

Play Area to PICU Waiting Area

EMD Storage Area to MAB Annex
Auditorium

PLANS AND PROGRAMS (2013-2014)

Complete Renovation of Medical Intensive Care Unit and Surgical Intensive Care Units 1 and 2

New Digital Mammography Machine

New 3D Echocardiography Systems

New Virtual Operating Rooms for Surgical Research and Training

New Men's/Women's/Children's Wards at PHC Annex Building

36 New Garden Villa-Type Rooms, 5/F Hospital Building

In the PIPELINE towards our 4th decade of service excellence and highest standards of cardiovascular care

Establishment of PHC-Brand Regional Heart Centers (Bicol, Cagayan de Oro, Cebu, La Union, and Nueva Ecija)

New Digital Radiology with Picture Archiving and Communications System (PACS), Radiology Information System (RIS) and Cardiovascular Information System (CVIS)

Upgrade of CT Scan and Gamma Cameras

New Wellness Center for Wellness and Health Promotion

New Additional Service Wards, 3/F Annex Building

New Multi-Level Car Park Building

PHILIPPINE HEART CENTER
STATEMENT OF INCOME AND EXPENSES
(In Thousand Pesos)

	<u>2013</u>	<u>Percent</u>	<u>2012</u>	<u>Percent</u>	<u>Increase (Decrease) In Percent</u>
INCOME					
Hospital Charges	2,384,949		2,247,409		6.1
Less: Quantified Free Service	268,320		258,197		3.9
Discounts & Allowances	171,215		152,645		12.2
Total	439,535		410,842		7.0
Net Hospital Charges	1,945,414	96.3	1,836,567	96.9	5.9
Other Income	75,596	3.7	59,249	3.1	27.6
GROSS INCOME	2,021,010	100.0	1,895,816	100.0	6.6
Less: Operating Expenses					
Total Personal Services	806,208	39.9	761,688	40.2	5.8
Total Maintenance & Other Operating Expenses	1,426,269	70.6	1,345,885	71.0	6.0
Financial Expenses	73		402		(81.9)
Total Operating Expenses	2,232,550	110.5	2,107,975	111.2	5.9
Income (Loss) Before Government Subsidy	(211,540)	(10.5)	(212,159)	(11.2)	(0.3)
Add: Gov't Subsidy for MOOE	187,000		187,000		
Net Income (Loss) After Government Subsidy	(24,540)		(25,159)		(2.5)



PHILIPPINE HEART CENTER

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