



The Role of the Newborn Screening Study Group in the Implementation of the National Newborn Screening Program

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University of the Philippines Manila

Objectives

Part 1

Highlights on the history of the national newborn screening program

Part 2

- Strategies that Influenced public policy
- Discuss barriers and opportunities in translating research to policy and to affect change on the current policy environment of the particular institution [in this case, DOH]

Newborn Screening

- Newborn screening is a universally accepted **public health program** aimed at the early identification of infants who are affected by certain genetic, metabolic or infectious conditions.



TO AVOID DELAYS IN PROCESSING COMPLETE THIS FORM ACCURATELY

INITIAL SAMPLE REFRESH SAMPLE
 For Twins 2&3, 3&4 For Triplets 3&4, 3&5
 For Multiple Births

Sample ID
10000015 0040201 / 0801155 D2012-10

Old Patient ID
Report sample required due to:
 contaminated sample delayed mail (>14 days)
 insufficient sample post-BT or ET
 <24 hrs after birth initial positive

Mother's First Name: M. Mae
Date of birth (day/month/year): Time (AM/PM): AM **Time (AM/PM):** PM
Site: Neck Axilla Birth Wt (Grams): _____
Site: Arm Hand 1 week
Site: No Age of Gestation: 2 weeks 3 weeks
Date of Collection (day/month/year): Time (AM/PM): no Age of Gestation: Specimen

Feeding:
1. Breast 2. Lactose Formula 3. Soy/Lactose-Free

Hospital/Place of Collection:
Hospital/Place of Birth:

Attending Practitioner (Last Name, First Name):
The Practitioner: 1. Doctor 2. Nurse 3. Midwife 4. Other _____

Practitioner's Day Contract Number: **Practitioner's Month Number:**
Born: 1. Sick 2. Premature 3. On Ventilator 4. Date of Birth Translation: _____
Status: 5. Considered in above please state _____ 6. Other relevant clinical information: _____

Province: **Zip Code:**
Barangay/City: **Complaint No. of Parent/Guardian:**

FOR LABORATORY USE ONLY

Detach for Philhealth use.
10000015

Research in 1996
Funded by UP Manila and PCHRD-DOST

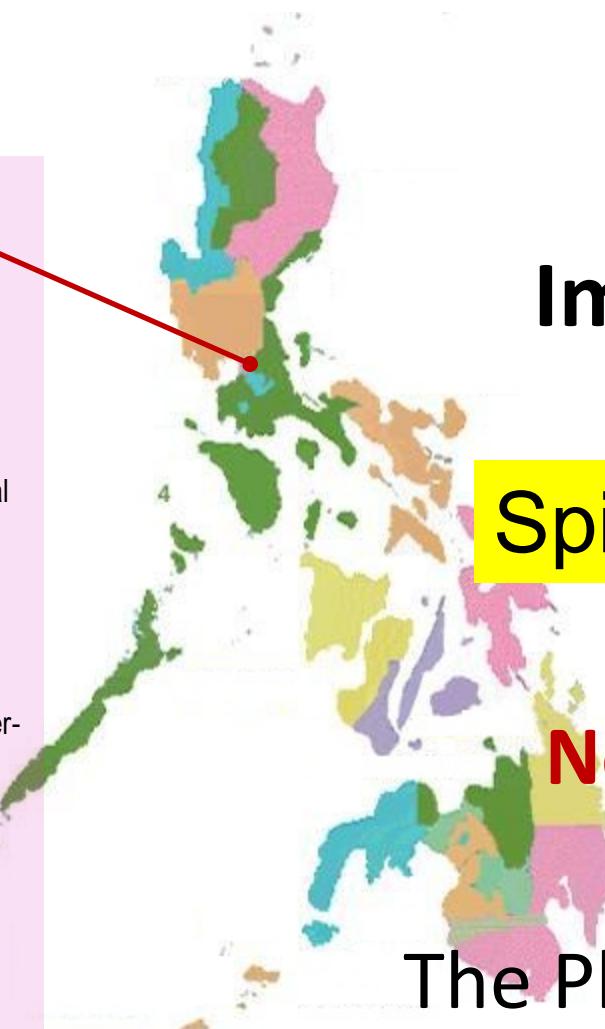
Part 1

1996

24
facilities

NCR

Capitol Medical Center
Cardinal Santos Medical Center
Chinese General Hospital and Medical Center
De Los Santos Medical Center
Dr. Fe Del Mundo Memorial Medical Center
Foundation Philippines, Inc.
Dr. Victor R. Potenciano Medical Center
FEU-Nicanor Reyes Medical Foundation Hospital
Mary Chiles General Hospital
MCU-FDT Medical Foundation Hospital
Medical Center Manila
Metropolitan Medical Center
Our Lady of Lourdes Hospital - Manila
University of Perpetual Help Rizal Medical Center-
Las Piñas
Philippine General Hospital
Quezon City General Hospital
Rizal Medical Center
St. Luke's Medical Center
UERM Memorial Medical Center Hospital
United Doctors Medical Center
Manila Doctors Hospital
Ospital ng Maynila
Philippine Children's Medical Center
Quirino Memorial Medical Center
St. Martin De Porres Hospital - San Juan



Pilot Implementation

Spirit of Voluntarism

Newborn Screening
Study Group

The Philippine Newborn
Screening Project was born



1999

Region 1

Ilocos Training and Regional Medical Center
Mariano Marcos Memorial Hospital and Medical Center
Region I Medical Center
Lorma Medical Center

Region 3

AUF-Medical Center
James L. Gordon Memorial Hospital
Talon General Hospital

NCR

Capitol Medical Center
Cardinal Santos Medical Center
Chinese General Hospital and Medical Center
De Los Santos Medical Center
Dr. Fe Del Mundo Memorial Medical Center Foundation Philippines, Inc.

Dr. Victor R. Potenciano Medical Center
FEU-Nicanor Reyes Medical Foundation Hospital

Mary Chiles General Hospital
MCU-FDT Medical Foundation Hospital

Medical Center Manila
Metropolitan Medical Center

Our Lady of Lourdes Hospital - Manila
University of Perpetual Help Rizal Medical Center-Las Piñas

Philippine General Hospital
Quezon City General Hospital

Rizal Medical Center
St. Luke's Medical Center
UERM Memorial Medical Center Hospital
United Doctors Medical Center

Manila Doctors Hospital
Ospital ng Maynila

Philippine Children's Medical Center
Quirino Memorial Medical Center

St. Martin De Porres Hospital - San Juan
The Medical City

Dr. Jesus C. Delgado Memorial Hospital
Manila Adventist Medical Center

University of Santo Tomas Hospital
Mary Johnston Hospital, Inc.

World Citi Medical Center
Olivarez General Hospital
San Juan Medical Center
Las Piñas General Hospital and Satellite Trauma Center
Hospital of the Infant Jesus

CAR

Baguio General Hospital and Medical Center

Region 2

Veterans Regional Hospital

Region 4A

De La Salle University Medical Center
Fernando Air Base Hospital
St. Peter General Hospital
Batangas Regional Hospital
Dr. Mario D. Bejasa General Hospital
Evangelista Medical Specialty Hospital
Golden Gate General Hospital
Mary Mediatrix Medical Center

Region 8

Eastern Visayas Regional Medical Center

Region 6

Sara District Hospital
Western Visayas Medical Center

Region 7

Cebu Doctors Hospital
Visayas Community Medical Center
Perpetual Succour Hospital – Cebu
Eversley Childs Sanitarium
Ramiro Community Hospital
Cebu Velez General Hospital

ARMM

Wao District Hospital

Region 10

Northern Mindanao Medical Center
Maria Reyna Hospital
Mindanao Sanitarium and Hospital

Region 11

Davao Doctors Hospital

69 facilities

2000

CAR
Baguio General Hospital and Medical Center
St. Louis University Hospital of the Sacred Heart

Region 1
Ilocos Training and Regional Medical Center
Mariano Marcos Memorial Hospital and Medical Center
Region I Medical Center
Lorma Medical Center
Bethany Hospital, Inc. - San Fernando

Region 3
AUF-Medical Center
James L. Gordon Memorial Hospital
Talon General Hospital
Central Luzon Doctors' Hospital
Afable Medical Center
Alferos Hospital
Perpetual Help Hospital - Olongapo
Sacred Heart Hospital

NCR
Capitol Medical Center
Cardinal Santos Medical Center
Chinese General Hospital and Medical Center
De Los Santos Medical Center
Dr. Fe Del Mundo Memorial Medical Center
Foundation Philippines, Inc.
Dr. Victor R. Potenciano Medical Center
FEU-Nicanor Reyes Medical Foundation Hospital
Mary Chiles General Hospital
MCU-FDT Medical Foundation Hospital
Medical Center Manila
Metropolitan Medical Center
Our Lady of Lourdes Hospital - Manila
University of Perpetual Help Rizal Medical Center-Las Piñas
Philippine General Hospital
Quezon City General Hospital
Rizal Medical Center
St. Luke's Medical Center
UEMR Memorial Medical Center Hospital
United Doctors Medical Center
Manila Doctors Hospital

Region 6
Sara District Hospital
Western Visayas Medical Center
Godofredo P. Ramos Hospital
Bugsong Medicare Community Hospital
Iloilo Mission Hospital
West Visayas State University Medical Center
Iloilo Doctors Hospital
St. Paul's Hospital of Iloilo, Inc.
Culasi District Hospital
Capiz Emmanuel Hospital

ARMM
Wao District Hospital

Region 2
Veterans Regional Hospital
Cagayan Valley Medical Center
Manuel A. Roxas District Hospital
Aparri Christian Hospital

Region 4A
De La Salle University Medical Center
Fernando Air Base Hospital
St. Peter General Hospital
Batangas Regional Hospital
Dr. Mario D. Bejasa General Hospital
Evangelista Medical Specialty Hospital
Golden Gate General Hospital
Mary Mediatrix Medical Center
Divine Mercy Hospital
Family Care Hospital
Lipa Medix Medical Center

Region 4B
Sta. Cruz District Hospital

Pagamutang Pangmasa ng Laguna
University Health Service, U.P. Los Baños (UHS-UPLB)
Los Baños Doctors Hospital and Medical Center
St. John The Baptist Medical Center, Inc.
Majayjay Medicare Hospital
University of Perpetual Help Medical Center Biñan
Laguna Provincial Hospital
N. L. Villa Memorial Medical Center
Calamba Medical Center
Daniel O. Mercado Medical Center

Region 8
Eastern Visayas Regional Medical Center
OSPA-Farmers Medical Center
Divine Word Hospital - Tacloban
Bethany Hospital - Leyte

Bohol St. Jude General Hospital
Our Lady of Rule Maternity and General
Silliman University Medical Center Foundation
Rural Health Unit II - Tanjay
Gov. William Villegas Memorial Hospital
Siquijor Provincial Hospital
Tagbilaran Puericulture Center and Maternity
Cong. Natalio Castillo Sr. Memorial Hospital
Cong. Simeon Toribio Memorial Hospital
Holy Child Hospital
Cordova Municipal Health Center
Bindoy District Hospital
Cebu Puericulture Center and Maternity House,
Amlan Municipal Health Center

Region 7
Cebu Doctors Hospital
Visayas Community Medical Center
Perpetual Succour Hospital – Cebu
Eversley Childs Sanitarium
Ramiro Community Hospital
Cebu Velez General Hospital
Gov. Celestino Gallares Memorial Hospital
St. Vincent General Hospital
Chong Hua Hospital
Vicente Sotto Memorial Medical Center
Mactan Doctors' Hospital
Lapu-Lapu City Hospital
Saint Anthony Mother and Child Hospital
Bayawan District Hospital

CARAGA
DOH CARAGA Regional Hospital

Region 10
Northern Mindanao Medical Center
Maria Reyna Hospital
Mindanao Sanitarium and Hospital
Mercy Community Hospital, Inc.
Misamis University Medical Center
Gregorio T. Lluch Memorial Hospital
Doctors Sabal Hospital
Capitol University Medical CityCagayan de Oro Maternity- Children's Hospital and Puericulture

Madonna and Child Hospital
J.R. Borja Memorial City Hospital
Cagayan de Oro Polymedic General Hospital
Cagayan de Oro Medical Center,
Bethel Baptist Hospital, Inc
Bukidnon Provincial Medical Center

Region 9
Wao District Hospital
Zamboanga City Me

Region 12
Cotabato Regional and Medical Center
Midsayap Community Doctors Hospital
Cotabato Provincial Hospital

153 facilities

2001

Region 1
 Ilocos Training and Regional Medical Center
 Mariano Marcos Memorial Hospital and Medical Center
 Region I Medical Center
 Lorna Medical Center
 Bethany Hospital, Inc. - San Fernando
 Holy Child General Hospital
 Metro Vigan Cooperative Hospital

Region 3
 AUF-Medical Center
 James L. Gordon Memorial Hospital
 Talon General Hospital
 Central Luzon Doctors' Hospital
 Afable Medical Center
 Alfers Hospital
 Perpetual Help Hospital - Olongapo
 Sacred Heart Hospital
 V.L. Makabali Memorial Hosp., Inc.
 Malolos Maternity Hospital and Eye Center
 Women's Hospital
 San Fernando Hospital

NCR
 Capitol Medical Center
 Cardinal Santos Medical Center
 Chinese General Hospital and Medical Center
 De Los Santos Medical Center
 Dr. Fe Del Mundo Memorial Medical Center Foundation
 Philippines, Inc.
 Dr. Victor R. Potenciano Medical Center
 FEU-Nicanor Reyes Medical Foundation Hospital
 Mary Chiles General Hospital
 MCU-FDT Medical Foundation Hospital
 Medical Center Manila
 Metropolitan Medical Center
 Our Lady of Lourdes Hospital - Manila
 University of Perpetual Help Rizal Medical Center-Las Piñas
 Philippine General Hospital
 Quezon City General Hospital
 Rizal Medical Center
 St. Luke's Medical Center
 UERM Memorial Medical Center Hospital
 United Doctors Medical Center
 Manila Doctors Hospital
 Hospital ng Maynila
 Philippine Children's Medical Center
 Quirino Memorial Medical Center
 St. Martin De Porres Hospital - San Juan
 The Medical City
 Dr. Jesus C. Delgado Memorial Hospital
 Manila Adventist Medical Center
 University of Santo Tomas Hospital
 Mary Johnston Hospital, Inc.
 World Citi Medical Center
 Olivarez General Hospital
 San Juan Medical Center
 Las Piñas General Hospital and Satellite Trauma Center
 Hospital of the Infant Jesus
 National Children's Hospital
 Medical Center Muntinlupa Inc.
 Makati Medical Center
 Jose Reyes Memorial Medical Center
 Christ the King General Hospital
 Medical Center Parraque
 Las Piñas City Medical Center
 San Juan de Dios Hospital
 Alabang Medical Center
 St. Clare's Medical Center
 Trinity Woman and Child Center "The Birth Place"
 Las Piñas Doctors Hospital
 Fatima University Medical Center
 Alejandro Doctors Medical Clinic
 Valenzuela Medical Center
 Protacio Hospital

Region 4B
 Sta. Cruz District Hospital

Region 6
 Sara District Hospital
 Western Visayas Medical Center
 Godofredo P. Ramos Hospital
 Bugasong Medicare Community Hospital
 Iloilo Mission Hospital
 West Visayas State University Medical Center
 Iloilo Doctors Hospital
 St. Paul's Hospital of Iloilo, Inc.
 Culasi District Hospital
 Capiz Emmanuel Hospital
 Bacolod Adventist Medical Center
 St. Anthony College Hospital
 Dr. Pablo O. Torre Sr. Memorial Hospital (Riverside Medical Center)
 The Doctor's Hospital, Inc.

Region 9
 Wao District Hospital
 Zamboanga City Medical Center

ARMM
 Wao District Hospital

Region 12
 Cotabato Regional and Medical Center
 Midsayap Community Doctors Hospital
 Cotabato Provincial Hospital
 General Santos Doctors' Hospital
 Saint Elizabeth Hospital, Incorporated

211 facilities

CAR
 Baguio General Hospital and Medical Center
 St. Louis University Hospital of the Sacred Heart

Region 2
 Veterans Regional Hospital
 Cagayan Valley Medical Center
 Manuel A. Roxas District Hospital
 Aparri Christian Hospital

Region 5
 Bicol Medical Center
 Ago General Hospital
 Camarines Norte Provincial Hospital
 Universidad de Sta. Isabel-Mother Seton Hospital
 Sts. Peter and Paul Hospital, Inc.

Region 8
 Eastern Visayas Regional Medical Center
 OSPA-Farmers Medical Center
 Divine Word Hospital - Tacloban
 Bethany Hospital - Leyte
 PHILPHOS Hospital
 Hinunangan Community Hospital
 Dr. Gregorio B. Tan Memorial Hospital
 Remedios Trinidad Romualdez Hospital

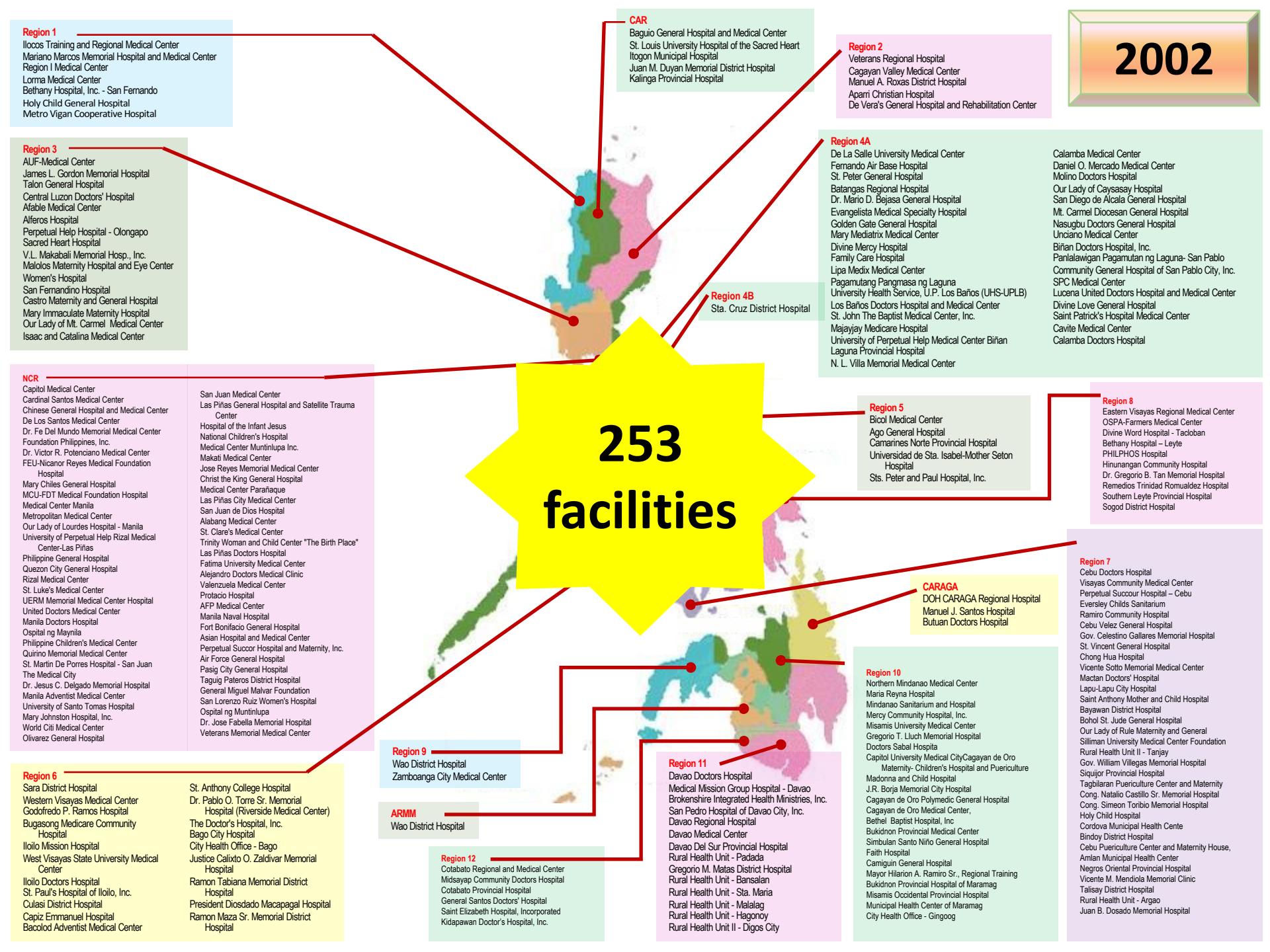
CARAGA
 DOH CARAGA Regional Hospital

Region 10
 Northern Mindanao Medical Center
 Maria Reyna Hospital
 Mindanao Sanitarium and Hospital
 Mercy Community Hospital, Inc.
 Misamis University Medical Center
 Gregorio T. Lich Memorial Hospital
 Doctors Sabat Hospital
 Capitol University Medical CityCagayan de Oro Maternity- Children's Hospital and Puericulture
 Madonna and Child Hospital
 J.R. Bonifacio Memorial City Hospital
 Cagayan de Oro PolyMedic General Hospital
 Cagayan de Oro Medical Center,
 Bethel Baptist Hospital, Inc
 Bukidnon Provincial Medical Center
 Simbalun Santri Nino General Hospital
 Faith Hospital
 Camiguin General Hospital
 Mayor Hilario A. Ramiro Sr., Regional Training
 Bukidnon Provincial Hospital of Maramag
 Misamis Occidental Provincial Hospital
 Municipal Health Center of Maramag

Region 4A
 De La Salle University Medical Center
 Fernando Air Base Hospital
 St. Peter General Hospital
 Batangas Regional Hospital
 Dr. Mario D. Bejasa General Hospital
 Evangelista Medical Specialty Hospital
 Golden Gate General Hospital
 Mary Mediatrix Medical Center
 Divine Mercy Hospital
 Family Care Hospital
 Lipa Medix Medical Center
 Pagamutang Pangmasa ng Laguna
 University Health Service, U.P. Los Baños (UHS-UPLB)
 Los Baños Doctors Hospital and Medical Center
 St. John The Baptist Medical Center, Inc.
 Majayjay Medicare Hospital
 University of Perpetual Help Medical Center Biñan
 Laguna Provincial Hospital
 N. L. Villa Memorial Medical Center
 Calamba Medical Center
 Daniel O. Mercado Medical Center
 Molino Doctors Hospital
 Our Lady of Caysasay Hospital
 San Diego de Alcala General Hospital
 Mt. Carmel Diocesan General Hospital
 Nasugbu Doctors General Hospital
 Unciano Medical Center
 Biñan Doctors Hospital, Inc.
 Panlalawigan Pagamutang ng Laguna- San Pablo Community General Hospital of San Pablo City, Inc.
 SPC Medical Center
 Lucena United Doctors Hospital and Medical Center

Region 7
 Cebu Doctors Hospital
 Visayas Community Medical Center
 Perpetual Succour Hospital - Cebu
 Eversley Chidz Sanitarium
 Ramiro Community Hospital
 Cebu Velez General Hospital
 Gov. Celestino Gallares Memorial Hospital
 St. Vincent General Hospital
 Chong Hua Hospital
 Vicente Sotto Memorial Medical Center
 Mactan Doctors Hospital
 Lapu-Lapu City Hospital
 Saint Anthony Mother and Child Hospital
 Bayawan District Hospital
 Bohol St. Jude General Hospital
 Our Lady of Rule Maternity and General
 Silliman University Medical Center Foundation
 Rural Health Unit II - Taray
 Gov. Willib Villegas Memorial Hospital
 Siquijor Provincial Hospital
 Tagbilaran Puericulture Center and Maternity Hospital
 Cong. Natalio Castillo Sr. Memorial Hospital
 Cong. Simeon Toribio Memorial Hospital
 Holy Child Hospital
 Cordova Municipal Health Cente
 Bindyo District Hospital
 Cebu Puericulture Center and Maternity House, Amlan Municipal Health Center
 Negros Oriental Provincial Hospital
 Vicente M. Mendiola Memorial Clinic
 Talisay District Hospital

2002



2003

Region 1
 Ilocos Training and Regional Medical Center
 Mariano Marcos Memorial Hospital and Medical Center
 Region I Medical Center
 Lorna Medical Center
 Bethany Hospital, Inc. - San Fernando
 Holy Child General Hospital
 Metro Vigan Cooperative Hospital
 Urdaneta Sacred Heart Hospital
 Dagupan Doctor's-Villafior Memorial Hospital

CAR
 Baguio General Hospital and Medical Center
 St. Louis University Hospital of the Sacred Heart
 Itogon Municipal Hospital
 Juan M. Duyan Memorial District Hospital
 Kalinga Provincial Hospital
 Bontoc General Hospital
 BCU - Sto. Niño Jesus Medical Center Foundation, Inc.

Region 2
 Veterans Regional Hospital
 Cagayan Valley Medical Center
 Manuel A. Roxas District Hospital
 Apayao Christian Hospital
 De Vera's General Hospital and Rehabilitation Center

NCR
 Capitol Medical Center
 Cardinal Santos Medical Center
 Chinese General Hospital and Medical Center
 De Los Santos Medical Center
 Dr. Fe Del Mundo Memorial Medical Center
 Dr. Victor R. Potenciano Medical Center
 FEU-Nicanor Reyes Medical Foundation Hospital
 Mary Chiles General Hospital
 MCU-FDT Medical Foundation Hospital
 Medical Center Manila
 Metropolitan Medical Center
 Our Lady of Lourdes Hospital - Manila
 University of Perpetual Help Rizal Medical Center-Las Piñas

Region 3
 AUF-Medical Center
 James L. Gordon Memorial Hospital
 Talon General Hospital
 Central Luzon Doctors' Hospital
 Afable Medical Center
 Alfers Hospital
 Perpetual Help Hospital - Olongapo
 Sacred Heart Hospital
 V.L. Makabali Memorial Hosp., Inc.
 Malolos Maternity Hospital and Eye Center
 Women's Hospital
 San Fernando Hospital
 Castro Maternity and General Hospital
 Mary Immaculate Maternity Hospital
 Our Lady of Mt. Carmel Medical Center
 Isaac and Catalina Medical Center

San Marcelino District Hospital
 Bulacan Medical Center
 Gonzales General Hospital, Inc.
 Jose B. Lingad Memorial Regional Hospital
 St. Jude Family Hospital
 St. Paul Hospital - Bulacan Inc.
 Nueva Ecija Doctors' Hospital
 Briones Medical Specialists and Lying-in Clinic
 San Antonio District Hospital
 Rosario Memorial Hospital
 Calumpit District Hospital
 Ruyang Maternity and General Hospital
 Santissima Trinidad Hospital
 Nazareno Church Foundation
 President Ramon Magsaysay Memorial Hospital

Region 4B
 Sta. Cruz District Hospital
 Medical Mission Group Hospital and Health Services Cooperative of Oriental Mindoro
 San Jose District Hospital - Mindoro

Rural Health Unit II - Tanjay
 Gov. William Villegas Memorial Hospital
 Siquijor Provincial Hospital
 Tagbilaran Puericulture Center and Maternity
 Cong. Natalio Castillo Sr. Memorial Hospital
 Cong. Simeon Toribio Memorial Hospital
 Holy Child Hospital
 Cordova Municipal Health Center
 Bindoy District Hospital
 Cebu Puericulture Center and Maternity House,
 Amlan Municipal Health Center
 Negros Oriental Provincial Hospital
 Vicente M. Mendiola Memorial Clinic
 Talisay District Hospital
 Rural Health Unit - Argao
 Juan B. Dosado Memorial Hospital

Region 6
 Sara District Hospital
 Western Visayas Medical Center
 Godofredo P. Ramos Hospital
 Bugasong Medicare Community Hospital
 Iloilo Mission Hospital
 West Visayas State University Medical Center
 Iloilo Doctors Hospital
 St. Paul's Hospital of Iloilo, Inc.
 Culasi District Hospital
 Capiz Emmanuel Hospital
 Bacolod Adventist Medical Center
 St. Anthony College Hospital
 Dr. Pablo O. Torre Sr. Memorial Hospital (Riverside Medical Center)
 The Doctor's Hospital, Inc.
 Bago City Hospital
 City Health Office - Bago
 Justice Calixto O. Zaldivar Memorial Hospital

Ramon Tabiana Memorial District Hospital
 President Diocesano Macapagal Hospital
 Ramon Maza Sr. Memorial District Hospital
 Corazon Locsin Montelibano Memorial Regional Hospital
 Don Salvador Benedicto Memorial District Hospital
 Dr. Rafael S. Tumbokon Memorial Hospital
 San Carlos City Hospital
 Ililo Provincial Hospital
 Federico Roman Tridor Sr. Memorial District Hospital
 Teresita L. Jalandoni Provincial Hospital
 Cadiz District Hospital
 Lorenzo D. Zayco District Hospital
 Dr. Ricardo Y. Ladrido Memorial Hospital
 City Health Office - Victoria City
 Isabela District Hospital
 City Health Office - Escalante City
 Angel Salazar Memorial General Hospital

Region 8
 Eastern Visayas Regional Medical Center
 OSPA-Farmers Medical Center
 Divine Word Hospital - Tacloban
 Bethany Hospital - Leyte
 PHILPHOS Hospital
 Hinunangan Community Hospital
 Dr. Gregorio B. Tan Memorial Hospital
 Remedios Trinidad Romualdez Hospital
 Southern Leyte Provincial Hospital
 Sogod District Hospital

Region 9
 Wao District Hospital
 Zamboanga City Medical Center
 Salug Valley Medical Center
 Pagadian City Medical Center
 Zamboanga Del Sur Health Services Cooperative Hospital

Region 11
 Davao Doctors Hospital
 Medical Group Hospital - Davao
 Brookeshine Integrated Health Ministries, Inc.
 San Pedro Hospital of Davao City, Inc.
 Davao Regional Hospital
 Davao Medical Center
 Davao Del Sur Provincial Hospital
 Rural Health Unit - Padada
 Gregorio M. Matas District Hospital
 Rural Health Unit - Bansalan
 Rural Health Unit - Sta. Maria
 Rural Health Unit - Malalag
 Rural Health Unit - Hagonoy
 Rural Health Unit II - Digos City

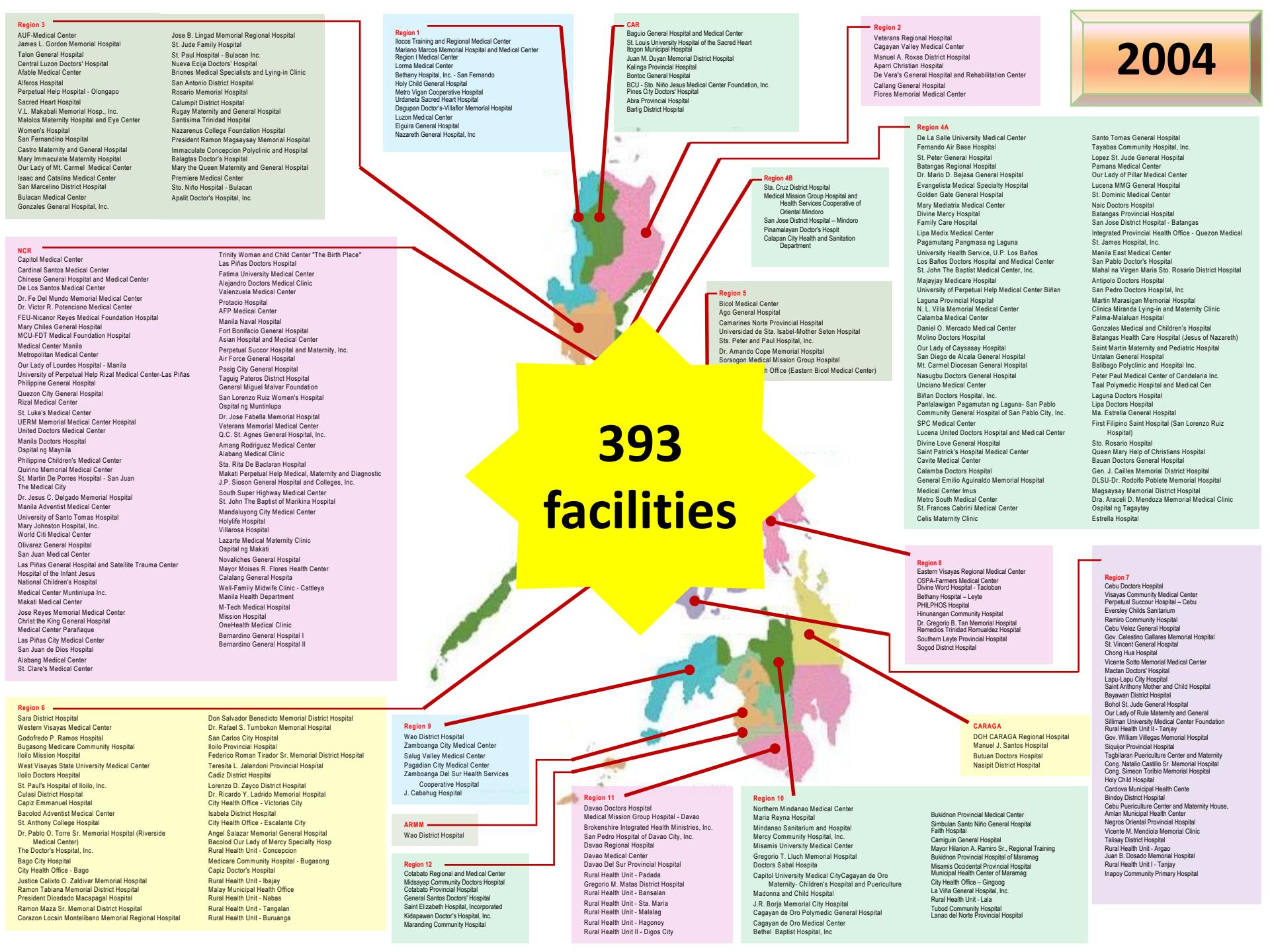
Region 10
 Northern Mindanao Medical Center
 Maria Reyna Hospital
 Mindanao Sanitarium and Hospital
 Mercy Community Hospital, Inc.
 Misamis University Medical Center
 Gregorio T. Lluch Memorial Hospital
 Doctors Sabah Hospital
 Capital University Medical CityCagayan de Oro Maternity Children's Hospital and Puericulture
 Camiguin General Hospital
 Mayor Hilario A. Ramiro Sr., Regional Training
 Bikidiong Provincial Hospital of Maramag
 Misamis Occidental Provincial Hospital
 Municipal Health Center of Maramag
 City Health Office - Ginggoog
 La Virna General Hospital, Inc.

ARMM
 Wao District Hospital

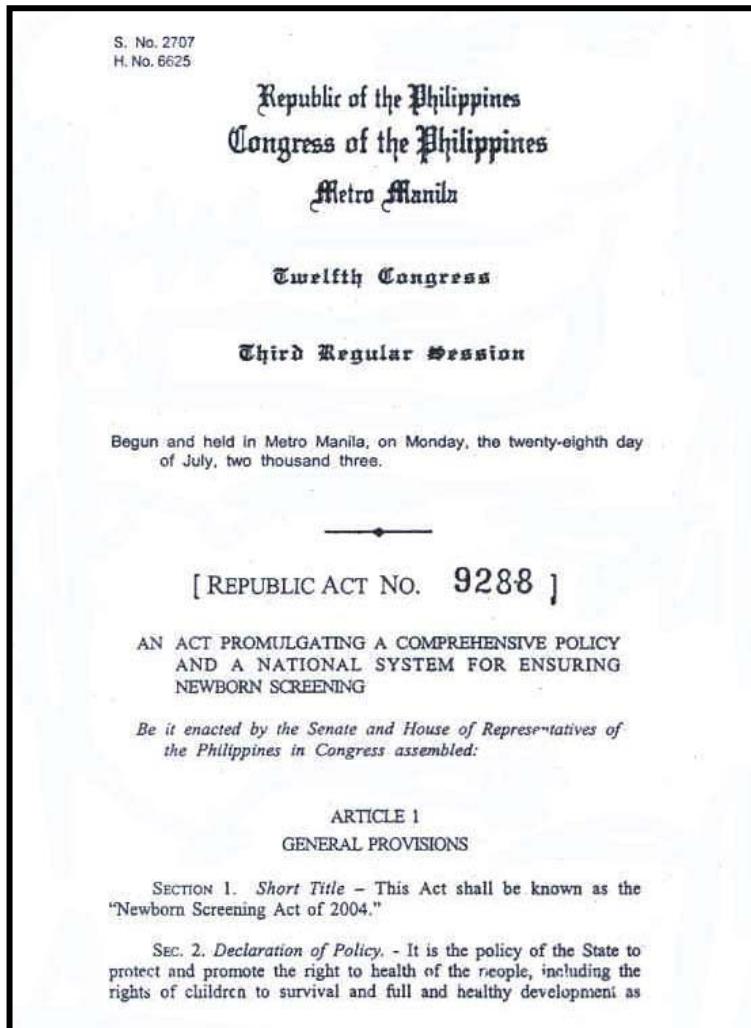
323 facilities

Region 12
 Cotabato Regional and Medical Center
 Midsayap Community Doctors Hospital
 Cotabato Provincial Hospital
 General Santos Doctors' Hospital
 Saint Elizabeth Hospital, Incorporated
 Kidapawan Doctor's Hospital, Inc.

2004



The life of the Newborn Screening Study Group ended with the passage of the Newborn screening Law (RA9288).



**Enactment of the
RA 9288
(April 6, 2004)**

**Signing of the
Implementing
Rules and Regulation of
RA 9288
(October 5, 2004)**

Highlights of NBS Law (RA9288)

Sec 2. Declaration of Policy:

- Institutionalize a National Newborn Screening System that is...
 - Comprehensive
 - Integrative
 - Sustainable
 - Collaborative
- Opportunity of every baby born in the Philippines to undergo NBS

Highlights of NBS Law (RA9288)

- Obligation of Health Workers to inform parents or legal guardians of the newborn about newborn screening
- **Sec 9** DOH and PHIC shall require health institutions to provide newborn screening services as condition for licensure and accreditation
- **Sec 10** Defining DOH as the lead agency
- **Sec 11** Creation of an Advisory Committee
- **Sec 13** Creation of the Newborn Screening Reference Center
- **Sec 16** PHIC will include newborn screening in benefits package

Governance



Lead Agency

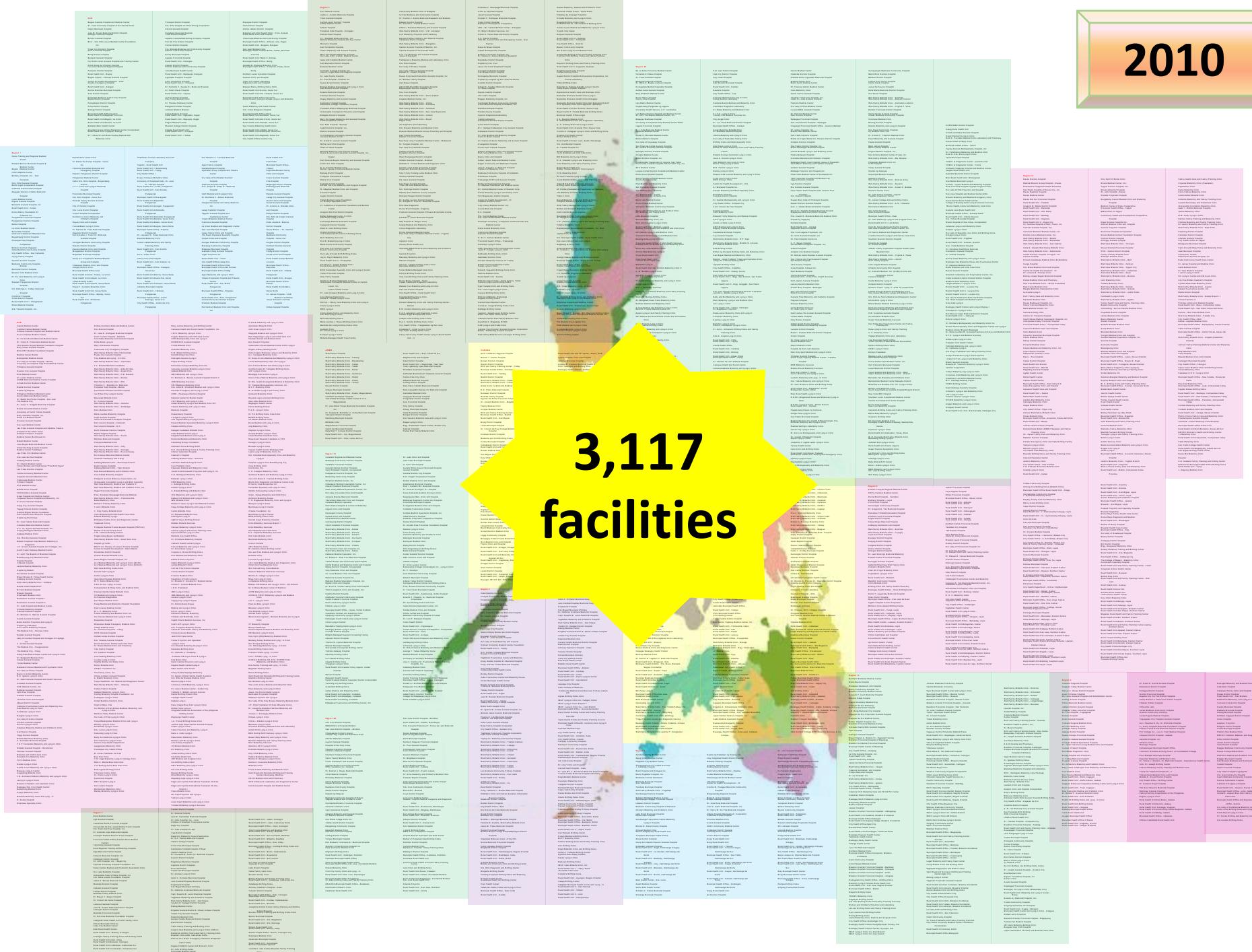


Technical Partner



2010

3,117
facilities



2017

6500+
facilities

1491
Facilities
offering ENBS

Newborn Screening Centers

6



NSC - NORTHERN LUZON
Mariano Marcos Memorial Hospital
and Medical Center

Newborn Screening Center
Central Luzon

EXPANDED
NEWBORNSCREENING
AVAILABLE
NOW

4

NSC - CENTRAL LUZON
Angeles University Foundation
Medical Center

Newborn Screening Center
Central Luzon

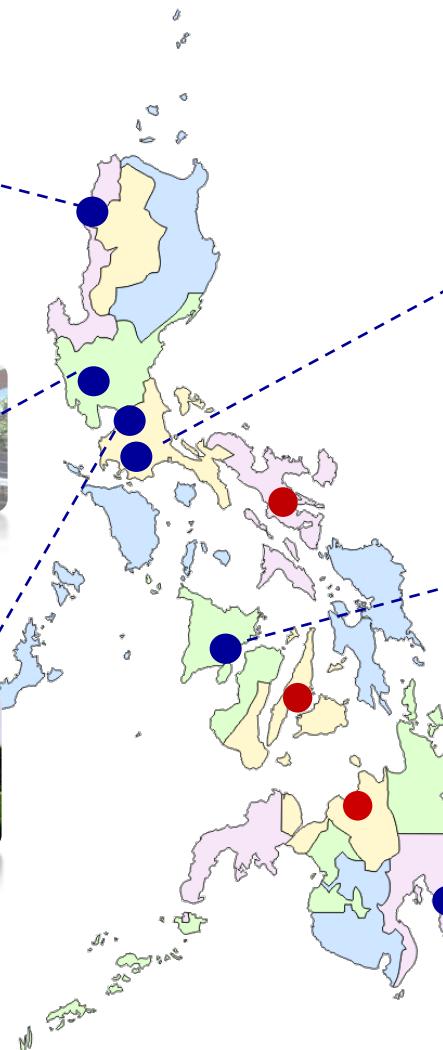
EXPANDED
NEWBORNSCREENING
AVAILABLE
NOW

1

NSC - NIH
UP Manila

● Future NSCs

Cebu to open in 2018



NSC - SOUTHERN LUZON
Daniel Mercado Medical Center

5



NSC - VISAYAS
West Visayas State
University Medical Center

2

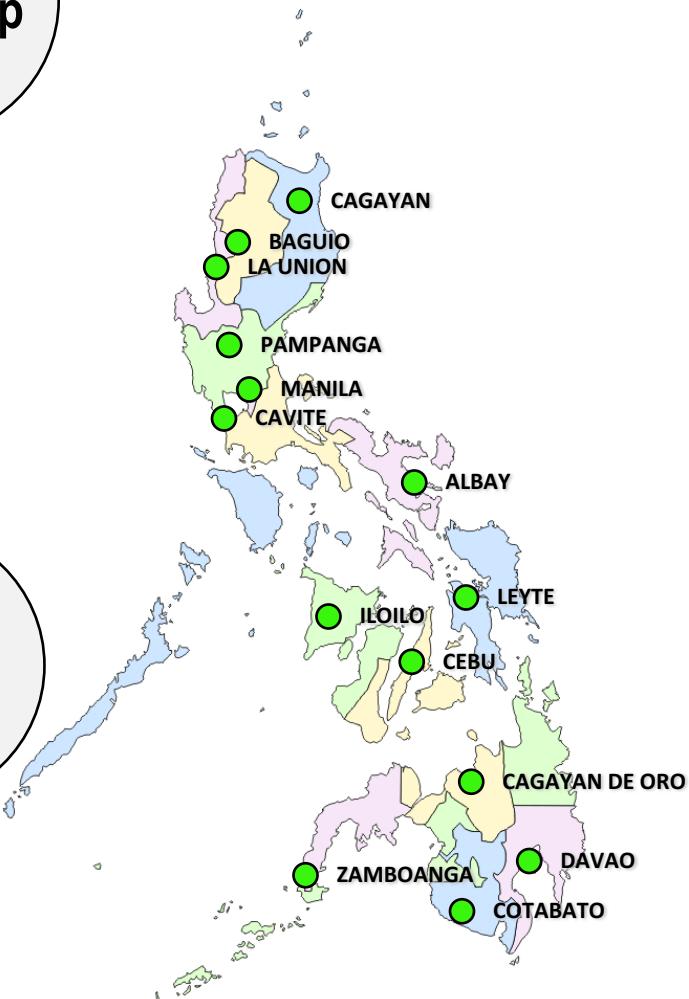
3



NSC - MINDANAO
Southern Philippines
Medical Center

EXPANDED
NEWBORNSCREENING
AVAILABLE
NOW

Long Term
Follow-up

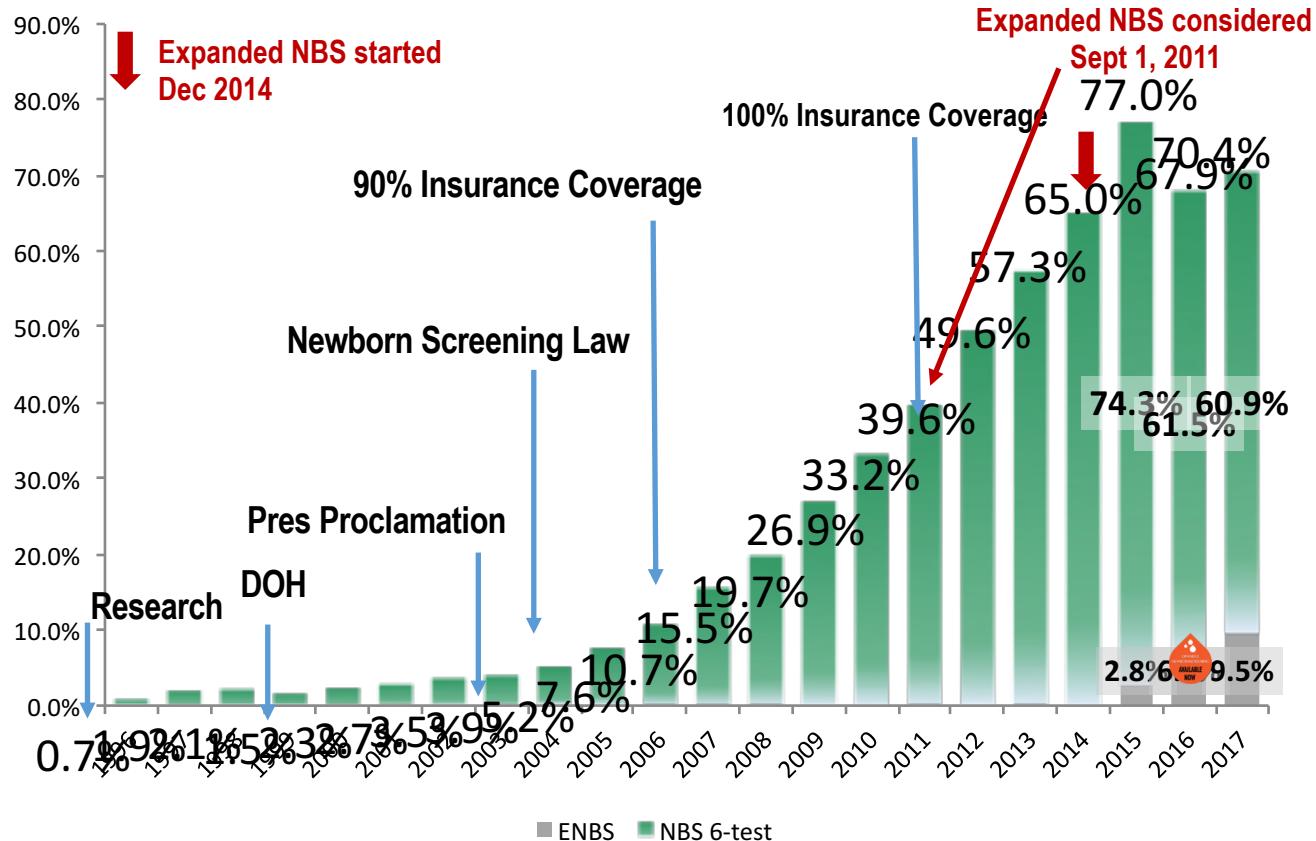


Total of
14 clinics

NBS Continuity Clinics

- Ilocos Training and Regional Medical Center, Region 1
 - Cagayan Valley Medical Center, Region 2
 - Jose B. Lingad Memorial Regional Hospital, Region 3
 - Baguio General Hospital and Medical Center, CAR
 - Philippine General Hospital, NCR
 - Gen. Emilio Aguinaldo Memorial Hospital, CALABARZON
 - Bicol Regional Training and Teaching Hospital, Region 5
 - West Visayas State University Medical Center, Region 6
 - Vicente Sotto Memorial Medical Center, Region 7
 - Eastern Visayas Regional Medical Center, Region 8
 - Zamboanga City Medical Center, Region 9
 - Northern Mindanao Medical Center, Region 10
 - Southern Philippines Medical Center, Region 11
 - Cotabato Regional Medical Center, Region 12
-
- *Mimaropa region is being handled by PGH NCR*
 - *Caraga region is being handled by SPMC Region 11*
 - *ARMM is being handled by CRMC Region 12*

Screening Coverage as of Dec 2017



Note: Denominator prior to 2016 used 1.7-1.8M livebirth. 2016-2017 is 2.2M

Since 1996, more than 120 000 babies
have been saved from mental
retardation and death!

Since Dec 2014, we are now offering newborn screening for 28 conditions.

Issuance of AO 2014-0045 or the Guidelines on the Implementation of Expanded Newborn Screening Program



Republic of the Philippines
Department of Health
OFFICE OF THE SECRETARY

NOV 19 2014

ADMINISTRATIVE ORDER
NO. 2014- 0045

SUBJECT: Guidelines on the Implementation of the Expanded Newborn Screening Program

I. Rationale

Efforts are continuously being done to achieve the goal of saving Filipino newborns for common life-threatening heritable disorders. To this end, the National Comprehensive Newborn Screening System is expanding the screening panel of disorders from six (6) to more than twenty (20) disorders. An expanded screening program will give opportunities to significantly improve the quality of life for affected newborns and will also identify babies whose condition may not become symptomatic until permanent damage or disability has occurred.

WHAT IS NEW?



- PhilHealth is covering only 6 conditions in the Newborn Care Package (NCP). We are waiting for the announcement of coverage of the remaining 22 conditions.
- Only 70% of newborns undergo newborn screening. We have to work harder to reach the babies, esp those born at home.

Help us reach the mothers!



Part 2

Strategies that Influenced Public Policy

Strategy 1

Teamwork

Work with a team.

Work as a team. It is lonely and frustrating
to work alone.

You have to find your team.

Show government that you are not alone!

Persistence of the Newborn Screening Study Group because we ALL believed in its value!





Lifetime Commitment of the Newborn Screening Study Group



Strategy 2

Effective Communication Strategies

Info campaign must reach the public, the professionals and policy makers.

Translation of NBS brochure into major dialects

**Pagtulungan nating iligtas
ang 33,000 na mga bata na maaring
maapektuhan sa mga sakit na ito.**

Magtanong tungkol sa Newborn Screening
sa inyong mga health workers

Sa kasalukuyan may limang sakit na sinusuri ang newborn screening. Ito ay ang mga sumusunod:

1. Congenital Hyperthyroidism (CH)

Ang CH ay resulta ng kakulangan o kawalan sa thyroid hormone. Ang thyroid hormone ay mahalaga sa pisikal at mental na paglaki ng isang tao. Kung hindi kaagad masusuri at mabibigyan ng hormone sa loob ng 4 na linggo, tuluyan ng mauudlot ang paglaki at magiging ganap na "mentally retarded" ang mga batang may CH.

2. Congenital Adrenal Hyperplasia (CAH)

Ang CAH ay nagdudulot ng sobrang kawalan ng asin sa katawan, pagkatuyo o dehydration at mataas na antas ng "male sex hormones" sa katawan ng babae o lalaki. Kung hindi kaagad masusuri at mabibigyan ng karampatang lunas sa loob ng 7-14 araw, maaaring mamatay ang sanggol.

3. Galactosemia (GAL)

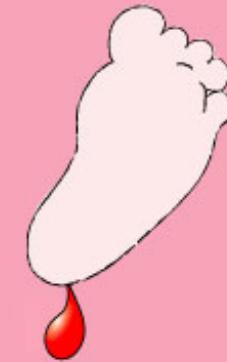
Ang GAL ay isang kondisyon kung saan ang katawan ay walang kakayahang iproseso ang "galactose" o asukal na galing sa gatas. Ang sobrang galactose sa katawan ay nakapagdudulot ng pagkasira ng atay at utak, at pagkakaron ng katarata sa murang edad.

4. Phenylketonuria (PKU)

Ang PKU ay isang kondisyon kung saan ang katawan ay walang kakayahang iproseso ang "phenylalanine". Ang phenylalanine ay isang importanteng sangkap sa paggawa ng protina na kailangan ng ating katawan. Ang sobrang phenylalanine sa katawan ay nakapagdudulot ng pagkasira sa utak.

5. Glucose 6 Phosphate Dehydrogenase Deficiency (G6PD def)

Ang G6PD Deficiency ay isang kondisyon kung saan ang katawan ay kulang sa enzyme na G6PD. Ang mga batang kulang sa G6PD ay madaling magkarron ng Hemolytic Anemia kapag nalantad sa liang mga gamot, kemikal, at pagkain.



**ILIGTAS
ANG INYONG
MGA ANAK
Mula Sa
Mental Retardation**

Para karagdagang katanungan, makipag-ugnayan:

sa inyong mga health workers

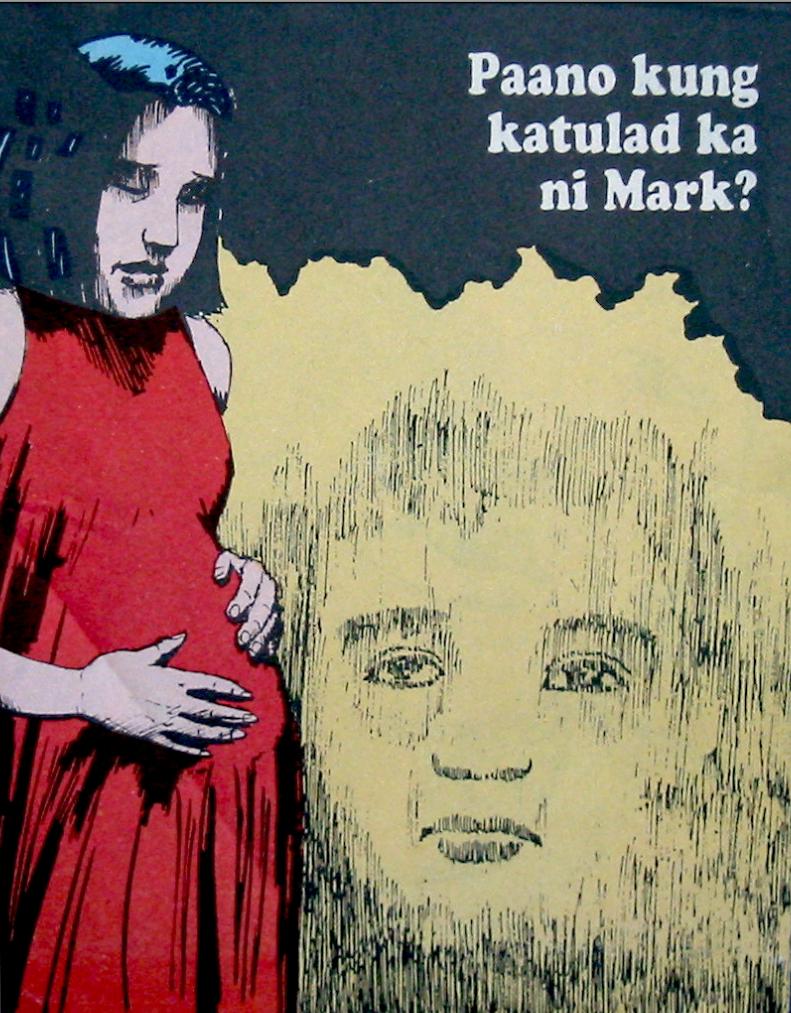
o

Newborn Screening Reference Center
National Institutes of Health
University of the Philippines Manila
625 Pedro Gil St., Ermita, Manila 1000

E-mail: info@nsrc-nih.org.ph
URL: <http://www.nsrc-nih.org.ph>

Newborn Screening Center
Institute of Human Genetics
National Institutes of Health
University of the Philippines Manila
625 Pedro Gil St., Ermita, Manila 1000

E-mail: info-nbs@humangenetics.com.ph
URL: <http://www.humangenetics.com.ph/newborn.html>



Paano kung
katulad ka
ni Mark?



Comic Book for Mothers

On-air radio promotions on Newborn Screening





newborn screening Philippines



About 726 results

- Home
- My Channel
- Trending
- Subscriptions
- History
- Watch Later

SUBSCRIPTIONS

Add channels

- Popular on YouTube
- Music
- Sports
- Gaming

- Browse channels
- Manage subscriptions

YouTube, a Google company

Filters



Newborn Screening in the Philippines

Mary Bakis
1 year ago • 1,502 views
Made with Explain Everything.



New Born Screening

cmzphl
4 years ago • 22,286 views



Expanded NBS Interview Clip from MedTalk (CNNPhilippines)

vylhphilippines
11 months ago • 499 views
Excerpts from the live interview of Dr. Carmencita Padilla about Birth Defects on 'MedTalk', a CNN Philippines talk show hosted by ...



Blessing Ka Baby (Newborn Screening Jingle, 2015 Update)

vylhphilippines
11 months ago • 3,343 views
The Newborn Screening Jingle "Blessing Ka Baby" was composed by Mr. Lloyd Oliver Cruz and commissioned by the Department ...



MedTalk Episode 45 - Newborn Screening

9 News & Current Affairs
2 years ago • 740 views
MedTalk: Helping you out in finding answers to your medical concerns. MedTalk is a weekly on-air medical consultation program ...



newbornscreening.info via Philippines

oinkie30
7 years ago • 3,180 views
this is a compilation for the newbornscreening advocacy! www.newbornscreening-doh3.page.tl.



Spots for Tots - NSW Newborn Screening Program

The Children's Hospital at Westmead
1 year ago • 2,112 views
This video gives users an overview of newborn blood spot screening, covering how and why blood spot tests are done, what ...



Newborn Screening Philippines

1 video
CHANNEL Subscribe 0



Newborn Screening in the Philippines

Mary Bakis
7 months ago • 6 views



Newborn Screening Jingle (2014)

vylhphilippines
1 year ago • 2,863 views
BLESSING KA BABY LYRICS BY: LLOYD OLIVER "TINY" CORPUZ COMMISSIONED BY: DOH-REGIONAL OFFICE NATIONAL ...



Articles on NBS in major newspapers and magazines



Exhibit poster at the lobby of a participating hospital



Local Health Department





**'This Hospital Saves Babies from Mental Retardation
Support the Philippine Newborn Screening Project'
Streamer in Every Hospital Offering Newborn Screening
Newborn Screening Awareness Week
Oct 1999**



14-years old. may karamdaman
sana na-newborn screen.
sana naagapan



Ipa-newborn screening si baby
Magtanong sa pinakamalapit na pagamutan

Isang paalala mula kay
Mayor LITO Atienza



BILLBOARDS ALL OVER METRO MANILA AND PROVINCES IN COOPERATION WITH LOCAL GOVERNMENT UNITS

Campaign materials used in the Awareness Campaign in October 2000 (t-shirts, buttons, stickers)



Putting of bumper stickers in cars of doctors



Door to door campaign to Obstetricians



Door to door campaign to Pediatricians



Newsletters distributed to Health Professionals



Religious Groups support the NBS Program

In recognition of the role of the religious sector in the promotion of newborn screening to a broad segment of the Filipino population, a consultation with two (2) religious groups, the Catholic Church and the Seventh Day Adventist Group, was conducted last July 23, 2003 at the National Institutes of Health Conference Room, University of the Philippines, Manila. A key objective of the activity was to orient the participants on the benefits of newborn screening and its current status of implementation in the country. Participants were enjoined to express their opinions and concerns regarding the program as well as define their possible roles in advocating newborn screening among their church members.

CBCP's Commitment

The Catholic Bishops Conference of the Philippines (CBCP) was represented by three participants from different committees. Sr. Pilar Versosa, National Coordinator of the Pro-life Philippines attended on behalf of CBCP's President, Monsignor Bernardo Coronel. Representing the Episcopal Commission on Family and Life was Ms. Ma. Lourdes Galza Atty. Mis Meier-Zafa, Chair of Marriage Enhancement Team Service, was also present during the meeting. Activities identified by CBCP representatives to promote newborn screening among its Catholic constituents include: a) the posting of promotional materials (i.e. posters) on Church bulletin boards; b) the inclusion of newborn screening orientation during pre-marital



The SDA Strategy

The Seventh Day Adventist (SDA) Pastor Dayrit, president of the North the SDA, With him were two key people C. Alfonso, Health Director for the SD Tamayo, an Associate Professor of the expressed strong support for the promotion of newborn screening among its members. Specifically the Family Ministry, was identified as crucial in the program not only among its members but there are plans to integrate newborn screening among its Catholic constituents include: a) the posting of promotional materials (i.e. posters) on Church bulletin boards; b) the inclusion of newborn screening orientation during pre-marital



Community Health Workers say YES to Newborn Screening

Another milestone in the implementation of newborn screening in the country is the mobilization of frontliners in the community healthwork, the Barangay Health Workers, more popularly known as BHWs, the Barangay Nutrition Scholars or BNS and Mother Leaders. The role of community health workers (CHW)s is crucial in bringing health to the



NBS bills seek nationwide coverage of newborn screening

Finally, a bill that will institutionalize newborn screening in the country has been filed in both the Congress and the Senate.

Senate Bill No. 1946 entitled "NBS Test Act - An Act Establishing the Newborn Screening Test, Integrating the same into existing Health Care Delivery System, Establishing Funds therefore, and for other purposes" was filed by Senator Noli "Kabayan" De Castro in May of 2001.

In May of this year, Senator Juan Flavier introduced Senate Bill No. 2564 entitled "NBS Act of 2003 - An Act Promulgating a Comprehensive Policy

and a National System for Ensuring Newborn Screening" in support to the Bill filed earlier by Senator De Castro. Meanwhile, at the Lower House, House Bill No. 5919 entitled "Newborn Screening Act of the Philippines 2003 - An Act Institutionalizing Newborn Screening as Part of Routine Newborn Care in the Nationwide Health Care Delivery System of the Philippines" was filed by Congressman Antonio Yapah and co-authored by Congresswoman Filomena San Juan. Both House Representatives are medical doctors by profession.

Dr. Carmencita D. Padilla, one of the national conveners of NBS in 1996, described the bill as pro-life, pro-child rights and non-controversial. She is very optimistic that the bill will gather more support from other legislators. Dr. Padilla hopes that the passage of the Bill will put newborn screening implementation in place and make it available and accessible to all newborns in the country.

All newborn screening advocates throughout the country are enjoined to help in lobbying for the immediate passage of the Bill. The early passage of the Bill will save 10,000 estimated newborns annually from possible mental retardation and death.

NTWG-NBS conducts workshop for regional coordinators

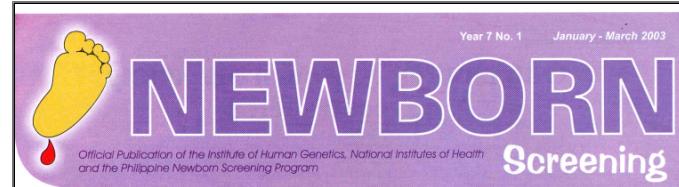


After almost four years since they first met in September 1999, newborn screening coordinators from the different DOH regional health offices gathered together for a workshop last April 28-30, 2003 at the Bayview Park Hotel.

The objectives of the activity were the following: (1) to update the coordinators on the current status of implementation of newborn screening in the country and; (2) to discuss critical issues related to the implementation of newborn screening and discuss the future directions of newborn screening at all-levels.

Except for DOH Regional Office IX and ARMM, the rest of the DOH regional offices were represented.

» NTWG-NBS p. 5



DOH advocates Newborn Screening

The Department of Health (DOH) is other programs progressive and satisfactorily moving in the appropriate direction. "I believe that DOH now has an outstanding opportunity to improve the health of all children throughout the country through its leadership in supporting, improving, and expanding NBS," he told Dayrit in a letter.



Health Secretary Manuel Dayrit meets with Dr. Brad Therrell, director of the U.S. National Newborn Screening and Genetic Resource Center.

levels to increase and widen coverage of newborns, especially in the rural areas where many deliveries are made.

To ensure quality and affordable service

to the public, DOH will enforce regulatory measures, especially in the setting up of NBS facilities. The health secretary has enjoined hospitals planning to set up such facilities to cooperate and coordinate with DOH by integrating their efforts with the national program which is being run jointly with the Institute of Human Genetics, National Institutes of Health, University of the Philippines Manila.

In February 2001, DOH issued

» DOH ADVOCATES p. 6

Exhibit during Nurses Convention Highlighting the Various Roles of Nurses



Reunion of Saved Babies Hosted Nationwide

Reunion of Saved Babies, 7 Oct 2006, Ang Bahay ng Alumni, UP Diliman



Maraming Salamat po!

From NEWBORN SCREENING REFERENCE CENTER, NIH, UP MANILA



SAVE YOUR BABY FROM MENTAL RETARDATION

Newborn Screening done at birth
Positive for Congenital Hypothyroidism
Treated immediately
Normal 7-year old girl

Newborn Screening not done at birth
Positive for Congenital Hypothyroidism
No physical signs at birth
Not treated immediately
14-year old retarded boy



Ask for Newborn Screening



THE DEPARTMENT OF HEALTH & THE NATIONAL INSTITUTES OF HEALTH

www.newbornscreening.ph

They have the same condition:
Congenital Hypothyroidism.

Treatment must start at **14 days old** to avoid mental retardation.

The girl had newborn screening at birth.

She was treated shortly after birth.
She is normal.

The boy DID NOT undergo newborn screening.

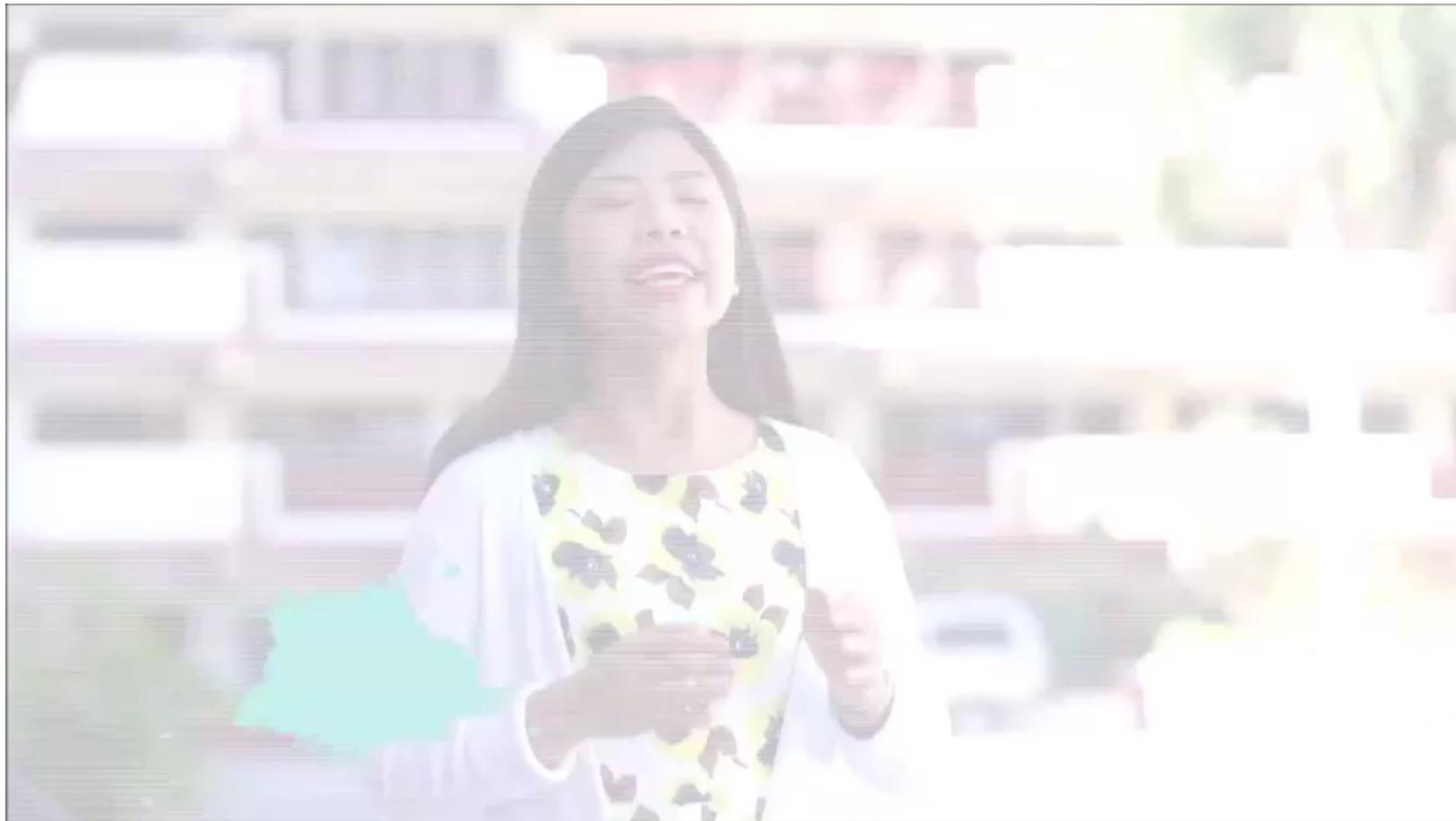
He was seen at PGH at age 14 years old.

He is mentally retarded.

21 years later.....

Engineering graduate Severely Retarded





Strategy 3

Generate data to be used as basis of the policy.

Padilla, CD and Domingo, C for the Newborn Screening Study Group. Implementation of newborn screening in the Philippines. *Philippine J Pediatr.* 2002;51:2-10.

1) to establish the incidence of CH, CAH, Gal, PKU, HCY, G6PD def; and

2) to make recommendations for adoption of nationwide newborn screening.

Newborn Screening Study Group
(Asterisks denote first 24 member hospitals and their coordinators)

Region 1 - Amelia Dumpling, Ma. Luz Jucutan, Wilhelmina Sibayan, and Ma. Dolores Olavarrio, **BETHANY HOSPITAL INC. OF SAN FERNANDO**; Daisy Evangeline Garcia, **ILOCOS TRAINING AND REGIONAL MEDICAL CENTER**; Amalia Komiya, **LORMA MEDICAL CENTER**; Jocelyn Judith Dumila, Marie Rose Corpuz, Monaliza Pastrana, and Ernelia Agulay, **MARIANO MARCOS MEMORIAL HOSPITAL**; Zaldy Guico, Estrelita Uson, Rico Reyes, and Ellen Manzano, **REGION 1 MEDICAL CENTER**.

Region 2 - Jessica Romero, Zenaida Lim, Pennygreen Cortez, Nida Rosales, **APPARI CHRISTIAN HOSPITAL**; Minerva Mallinilin, and Grace Marie Marcos, **CAGAYAN VALLEY MEDICAL CENTER**; Harry G. Soler, **MANUEL ROXAS DISTRICT HOSPITAL**; Melchor de la Cruz, Lorelie Bagasao, Marilyn Padre, and Ma. Isabel Venturina, **VETERANS REGIONAL HOSPITAL**.

Region 3 - Amor Espinosa, **AFABLE MEDICAL CENTER**; Ma. Mercedes Alferos, **ALFEROS HOSPITAL**; Lourdes Lagunilla, Ma. Theresa Pamintuan, Concepcion Pantig, and Ma. Teresa Dychioco, **ANGELES UNIVERSITY FOUNDATION MEDICAL CENTER**; Ma. Erna Balbas, Ma. Agnes Cervantes, Benito Milla, and Yamani Bucad-Chan, **CENTRAL LUZON DOCTOR'S HOSPITAL**; Amor Espinosa, Ma. Josefita Bituin, Teresita Ortin-Oliver, and Corazon Valdez, **JAMES L. GORDON MEMORIAL HOSPITAL**; Amor Espinosa, **PERPETUAL HELP HOSPITAL**; Ledivine Botoon, Milagros Aniaq, Pura Corazon Villanueva, and Virginia Mina, **SACRED HEART HOSPITAL**; Pearl Grace Hobayan, Felix Flaminiano, Olivia Bautista, and Fredeswina Santos, **TALON GENERAL HOSPITAL**.

Region 4 - Sofia Cresencia, Jona Liza Barnueva-Pangan, Melisa Lim, Isabelle Ilao, and Melisa Lim, **BATANGAS REGIONAL HOSPITAL** - Lourdes Blas, Helen Grace Rohsa, and Geraldine Abuyabbor, **BETHANY HOSPITAL**; Myrna Diaz, **DIVINE WORD HOSPITAL**; Nelita Petilla-Salinas, Ms. Lorna Camenforte, Emma Laplana, and Renato Yu, **EASTERN VISAYAS REGIONAL MEDICAL CENTER**; Mario Rodriguez, **OSPA FARMERS MEDICAL CENTER**.

153 hospitals

ana, CONG. SIMEON TORIBIO MEMORIAL HOSPITAL; Azucena Sitoy, Christopher Calimbas, Hon. Sucille Alma Campos, and Ms. Rebecca Baguio, **CORDOVA MUNICIPAL HEALTH CENTER**; Ophelia Baruiz, EVERSELY CHILD SANITARIUM; Mutya Kismet Macuno, Emma Dominguez, Virginia Redulla, and Stella Maris Amora, **GOV. CELESTINO GALLARES MEMORIAL HOSPITAL**; Rogelio Regaldo, and Alain Go, **GOV. WILLIAM "BILLY" VILLELAGAS MEMORIAL HOSPITAL**; Sr. Gloria Ibalio, **HOLY CHILD HOSPITAL**; Joycelyn A. Gonzales, Luz M. Ramirez, Ramon B. Javellana, Grace C. Estremos, **LAPU-LAPU CITY DISTRICT HOSPITAL**; Celerina Oclarene, **MACTAN COMMUNITY HOSPITAL**; Maria Lucila Ilano, Romeo Letigio, Evelyn Tam, and Hipolito Libre, **METRO CEBU COMMUNITY HOSPITAL**; Corazon Quaño, **OUR LADY OF THE RULE MATERNITY AND GENERAL HOSPITAL**; Fe Marie Perez, Vivina Chiu, Dolores Perez, and Marilou Mangubat, **PERPETUAL SUCCOUR HOSPITAL**; Mutya Kismet Macuno, **RAMIRO COMMUNITY HOSPITAL**; Erlinda Lim Juan, **SILLIMAN UNIVERSITY MEDICAL CENTER**; Rose May Barot, Maria Victoria Curzdero, Orlando Osorio, and Maria Elena Patalinhug, **ST. ANTHONY MOTHER AND CHILD HOSPITAL**; Consuelo Albito, Arlene Maria Ambalong, Evelyn Retana, and Josephine Bucol, **SIQUIJOR PROVINCIAL HOSPITAL**; Ferminita Bertulto, **TAGBILARAN PUERICULTURE CENTER AND MATERNITY HOUSE**; Mrs. Ofelia Teves, Mrs. Clarisita Du, Elizabeth Sedillo, Mrs. Peregrina Mariano, and Mrs. Luz Casiano, **TANJAY RHU 2**; Allan Monteclar, Ma. Margarita Acebedo, Grace Arias-Abugan, and Florybeth Mangisay-Taguba, **VICENTE SOTTO MEMORIAL MEDICAL CENTER**. Region 8 - Sonia Sim, Lourdes Blas, Helen Grace Rohsa, and Geraldine Abuyabbor, **BETHANY HOSPITAL**; Myrna Diaz, **DIVINE WORD HOSPITAL**; Nelita Petilla-Salinas, Ms. Lorna Camenforte, Emma Laplana, and Renato Yu, **EASTERN VISAYAS REGIONAL MEDICAL CENTER**; Mario Rodriguez, **OSPA FARMERS MEDICAL CENTER**. Region 9 - Leonora Que, Suzette Montano, and Gay Gonzales, **ZAMBOANGA CITY MEDICAL CENTER**.

ORIGINAL ARTICLE

Cost-Benefit Analysis of the Newborn Screening Program of the Philippines

Carmencita David-Padilla^{1,2}, Leonila F. Dans^{1,3}, Manuel R. Tamondong Jr.², Rose Marichelle S. Bernal², John Joseph O. Laceste⁴, Sylvia Capistrano-Estrada^{1,2}

Acta Medica Philippina, Vol 43 No 2. 2009

If screening coverage is 100%, there is a net benefit
of US\$11.42M every year.

With the current exchange rate, the net benefit is
P593M every year.



Quicklinks

- of 2004 (RA 9288)
• IRR of RA 9288
• Proclamation No. 540

Partners



NSRC
Newborn Screening Reference
Center
N.I.H., U.P. Manila
Unit 304 New Gold Bond Building
1579 F.T. Benitez St., Malate,
Manila

Content View Hits : 397787

Archive

- September, 2015
- June, 2015
- May, 2014
- January, 2014
- July, 2013
- May, 2013
- February, 2013
- November, 2012
- October, 2012
- July, 2012

Resources

ORIGINAL ARTICLE

[Enhancing Case Detection of Selected Inherited Disorders through Expanded Newborn Screening in the Philippines](#)

Volume 45 Number 4 Oct-Dec 2011

FEATURE ARTICLE

[A Master of Science in Genetic Counseling Program in the Philippines](#)

ORIGINAL ARTICLE

[Early Diagnosis and Specialist Care in the Management of Congenital Hypothyroidism](#)

[Characterization of Mutations and Polymorphisms in the G6PD Gene among Filipino Newborns with Glucose-6-Phosphate Dehydrogenase Deficiency](#)

Volume 43 Number 2 2009

FEATURE ARTICLE

[Newborn Screening: Research to Policy](#)

CASE REPORTS

[Galactosemia in Three Filipino Patients - The Importance of Newborn Screening](#)

[Two Filipino Patients with 6-Pyruvoyltetrahydropterin Synthase Deficiency](#)

ORIGINAL ARTICLES

[Glucose-6-Phosphate Dehydrogenase Deficiency in Filipino Neonates with Jaundice](#)

[Incidental Detection of Maple Syrup Urine Disease on Newborn Screening Second Tier Testing for Phenylketonuria](#)

[Improved Screening Efficiency for Phenylketonuria using a Modified Bacterial Inhibition Assay Protocol - Autoclaving the Bloodspot](#)

[Mutations of the Steroid 21-Hydroxylase Gene among Filipino Patients with Congenital Adrenal Hyperplasia](#)

[Mutations of the Phenylalanine Hydroxylase \(PAH\) Gene in Filipino Patients with Phenylketonuria](#)

[Cost-Benefit Analysis of a Neonatal Screening Program for Congenital Hypothyroidism in Metro Manila](#)

[Cost-Benefit Analysis of the Newborn Screening Program of the Philippines](#)

[Models for Increasing the Newborn Screening Performance of Health Facilities](#)

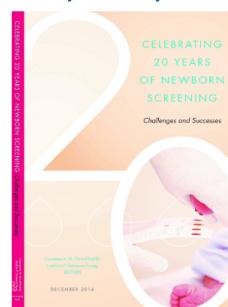
[A Performance Evaluation and Assessment Scheme \(PEAS\) for Improving the Philippine Newborn Screening Program](#)



Latest News

Number of Babies Screened as of February 2018: 18,817,856

January - February 2018



NBS at 20

Strategy 4

Engage all stakeholders

Neonatologist



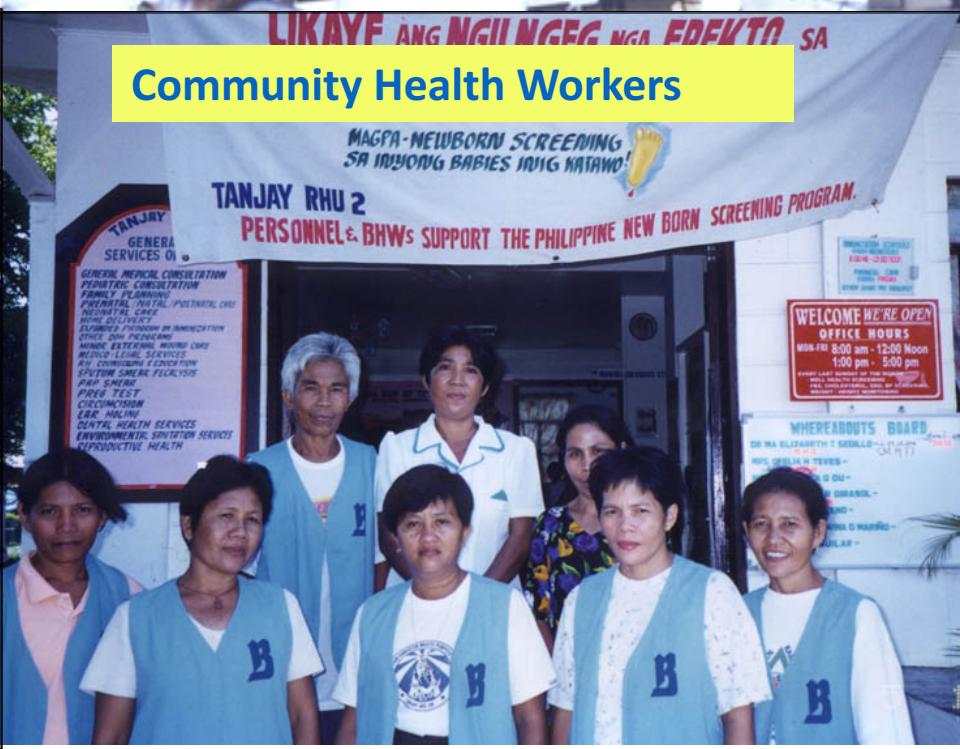
Nurse



Nursery Team



Community Health Workers



Consultation with Endocrinology group, July 2002



Midwives Organizations



Private-Public Partnerships

TREATMENT NETWORK OF SPECIALIST
MOA SIGNING & DISCUSSION OF TREATMENT PROTOCOLS



Youth Volunteers as Advocates



Volunteer Youth Leaders for Health - Philippines
empowering the youth for health



Annual Conference for the NBS Practitioners

OCTOBER 2006, 4TH
ANNUAL CONVENTION
Manila Hotel

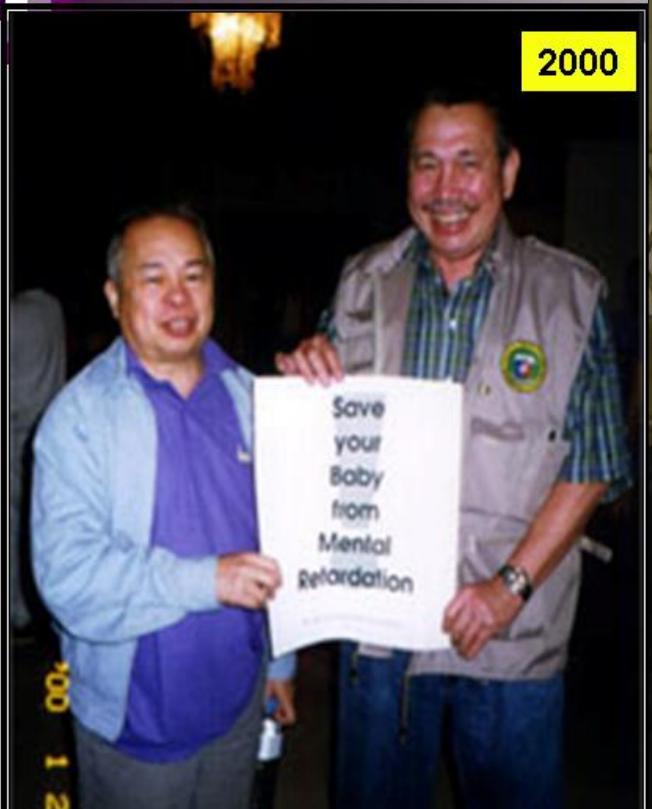


1500 + attendees

OCTOBER 3-4 2017
ANNUAL CONVENTION HELD IN MANILA
Philippine International Convention Center

Strategy 5

Identify your champions for policy development.



NEWBORN SCREENING CONVENTION

"Promoting the Newborn Screening to the Grassroots level "

TAAL VISTA HOTEL, TAGAYTAY

OCTOBER 4, 2007

Keynote speaker was
a politician who just
provided funds for
all 'indigent' families
in her jurisdiction



SOCIETY-SOUTHERN TAGALOG CHAPTER and COMMUNITY



**President Arroyo discusses Newborn Screening
in her Monthly TV show, Oct 2006**



PRESIDENT'S HOUR,
SHOWN IN PHILIPPINE TV CHANNELS 4, 9 AND 13



Pediatricians attend Senate hearings of the newborn screening bill



Lobbying at the Senate Committee



**Discuss barriers and opportunities in translating
research to policy and to affect change on the
current policy environment of the particular
institution**

CELEBRATING 20 YEARS OF NEWBORN SCREENING

Challenges and Successes

Carmencita M. David-Padilla
Josefina P. Gutierrez-Tayag
EDITORS

DECEMBER 2016

Available at www.newbornscreening.ph

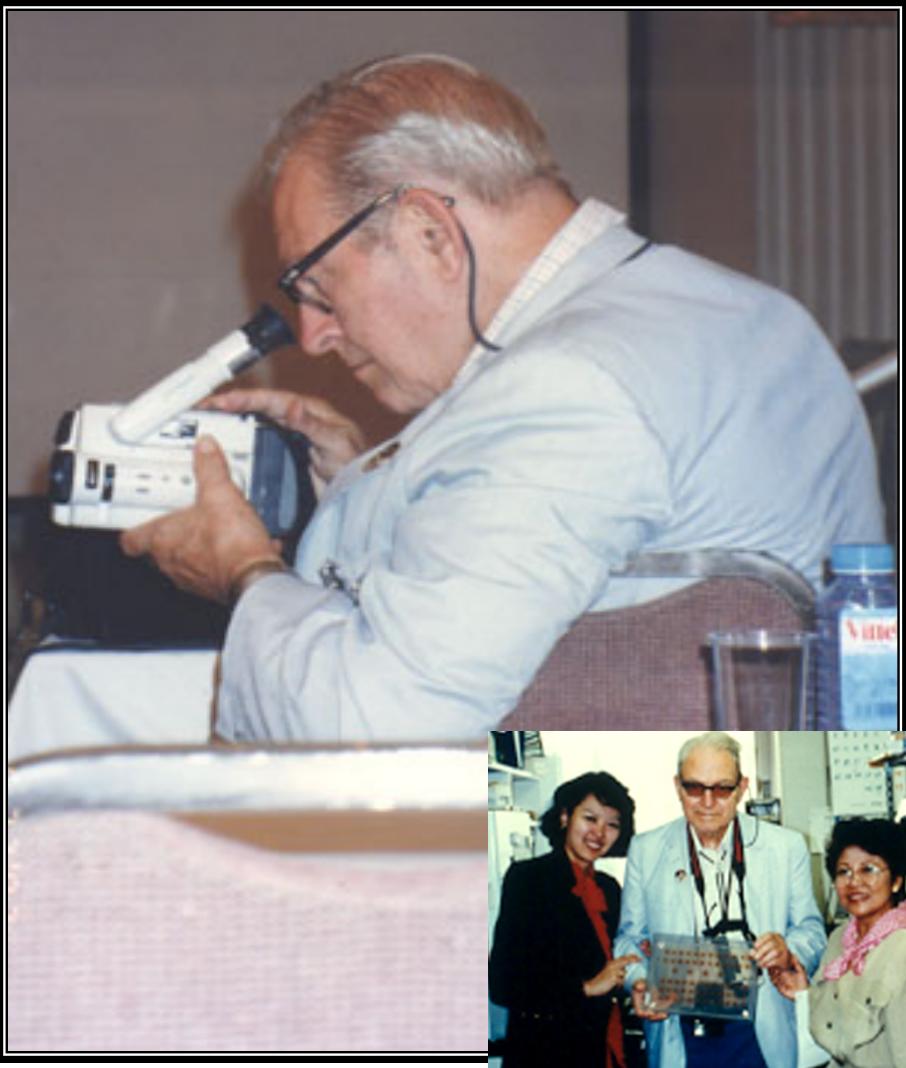


A Journey with Life Lessons

The newborn screening program has taught me life lessons. Indeed, it is a program with humble beginnings, and, as a whole, has been a humbling experience.

It taught my colleagues and I **patience** and **perseverance** but more importantly, it taught me the power of **trust**.

I believe that God has a plan for everybody and HE is the ARCHITECT of EVERYTHING and that includes the newborn screening program. We had many obstacles, but each time, HE gave us a solution through various players in the program. HE taught us to **trust** everybody – those who came to help and even those who were our detractors. I still do not understand why some do not support newborn screening but that does not bother me anymore. They keep us on our toes. They remind us that we should not worry because our ARCHITECT will provide the solution.



- Developing countries must learn from the mistakes of other countries who have established programs...

- You should do better. Avoid committing the same mistakes.

- Never give up!

Dr. Robert Guthrie, father of Newborn Screening
1st Asia-Pacific Regional Newborn Screening Meeting
Sapporo, Japan, 1993

Maraming Salamat po!

Newborn Screening Reference Center (NSRC)

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University of the Philippines Manila

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1579 F. T. Benitez, Malate, Manila

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Twitter:@newbornscreenph



The Role of the Newborn Screening Study Group in the Implementation of the National Newborn Screening Program

Carmencita D. Padilla MD, MAHPS
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University of the Philippines Manila