

Newborn Hearing Screening  
Reference Center

# 2023 Annual Report

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NHSRC 

# Table of Contents

01	Message from the Director	
02	Vision and Mission	
03	Mandate	
04	Organizational Chart	
05	Major Milestones	
06	Accreditation of Newborn Hearing Screening Centers	
		11
		15
		19
		21

Message from the Director

Vision and Mission

Mandate

Organizational Chart

Major Milestones

Accreditation of Newborn Hearing Screening Centers

Training and Certification of Hearing Screening Personnel

Summary of Data from the Newborn Hearing Screening Registry

Device Certification

Miscellaneous Activities

# Organization

**ROSARIO R. RICALDE, MD, FPSO-HNS**  
NHSRC Director

## Consultants

**MA. LEAH C. TANTOCO, MD, FPSO-HNS, MClinaud**  
Assistant Director and  
Coordinator for Audiological Equipment/Devices

**CARLOS DIEGO ROZUL, MClinaud**  
Coordinator for Personnel Certification

**ART BRYAN MOLDON**  
Consultant Information Technology,  
Registry Database, Privacy

**FRANCIS ARLAN MAURICIO, RN, MClinaud**  
Coordinator for Standards & Certification of Hearing  
Screening Centers

**MAVIN G. REYES, RN, CSSYB**  
Coordinator for Social Media,  
Promotions, and Website

## Administrative Staff

**ABNER A. ASPREC**  
Administrative Officer

**ROMALYN P. AGAPAY**  
Administrative Officer for Finance

**TRACY NICOLE B. NAVARRO**  
Administrative Assistant  
Registry Monitoring Tool

**EMMANUEL JOHN T. BARRENO**  
Administrative Assistant (Cash Office)

**JAMES ANDREW M. SAN AGUSTIN**  
Administrative Assistant for External Affairs

**JOSE MARIA A. RUIVIVAR**  
Administrative Assistant for Device  
Certification

**JONALYN D. CAPITO**  
Administrative Assistant for Personnel  
Certification

**JOEBIRT R. MILLANO**  
Administrative Assistant for Facility  
Certification

**CAMILO C. RANA**  
Administrative Aide

# MESSAGE FROM THE DIRECTOR

As we end 2023 and near the 10th year of full implementation of RA 9709 in 2024, we recall the colorful history of the Newborn Hearing Screening Reference Center in this annual report.

We conducted the a comprehensive strategic planning seminar facilitated by Dr. Raul Destura as part of the National Institutes of Health when the staff crafted the new Mission and Vision of the NHSRC. That activity renewed our spirits and gave us a clearer direction going forward.

This year marks the 1st year that our database, the Electronic National Newborn Hearing Screening Registry (ENNHSR) was made available to all users coming from Category A to D hearing centers. Many thanks to the efforts of the National Telehealth Center and to the many newborn hearing managers and screeners who tried to integrate past and present data. The mobile phone version of ENNHSR was also launched and the copyrights for all versions of ENNHSR (Lite, Live, Staging Websites, Mobile Android and Mobile IOS) were given certifications by the Intellectual Property Office of the Philippines. We hope that all stakeholders in newborn hearing in the country will continue to benefit from our efforts.



**Rosario R. Ricalde, MD**

# VISION AND MISSION

## Vision

“To be the recognized authority in newborn hearing screening and intervention in the Philippines by 2028.”

## Mission

The NHSRC of the UP-NIH is committed to provide newborn and infants born in the Philippines equal access to comprehensive early detection and intervention of hearing loss through training and education, technology and facility assessment and certification, data systems management, and research funding support as mandated by law. We utilize innovative and current technologies, and engage well-trained, progressive, inclusive, multispecialty and multidisciplinary experts. As we respond to the national health need, we will ethically manage our resources to obtain self-sufficiency for our programs, and provide equitable opportunities for career and financial growth of our organization.

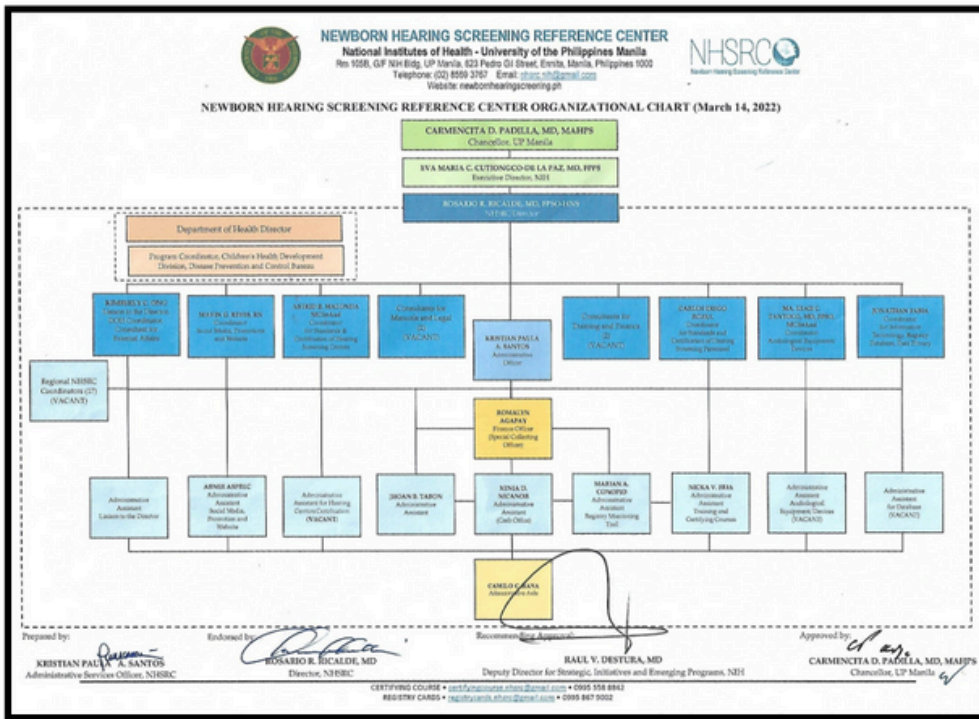
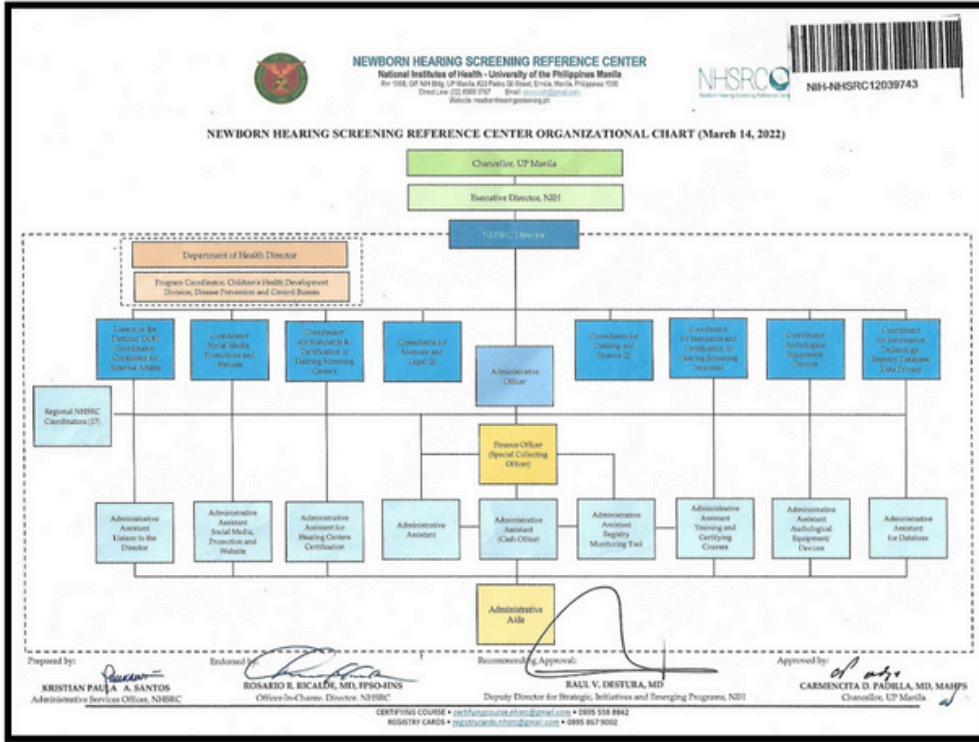
# MANDATE

## MANDATE

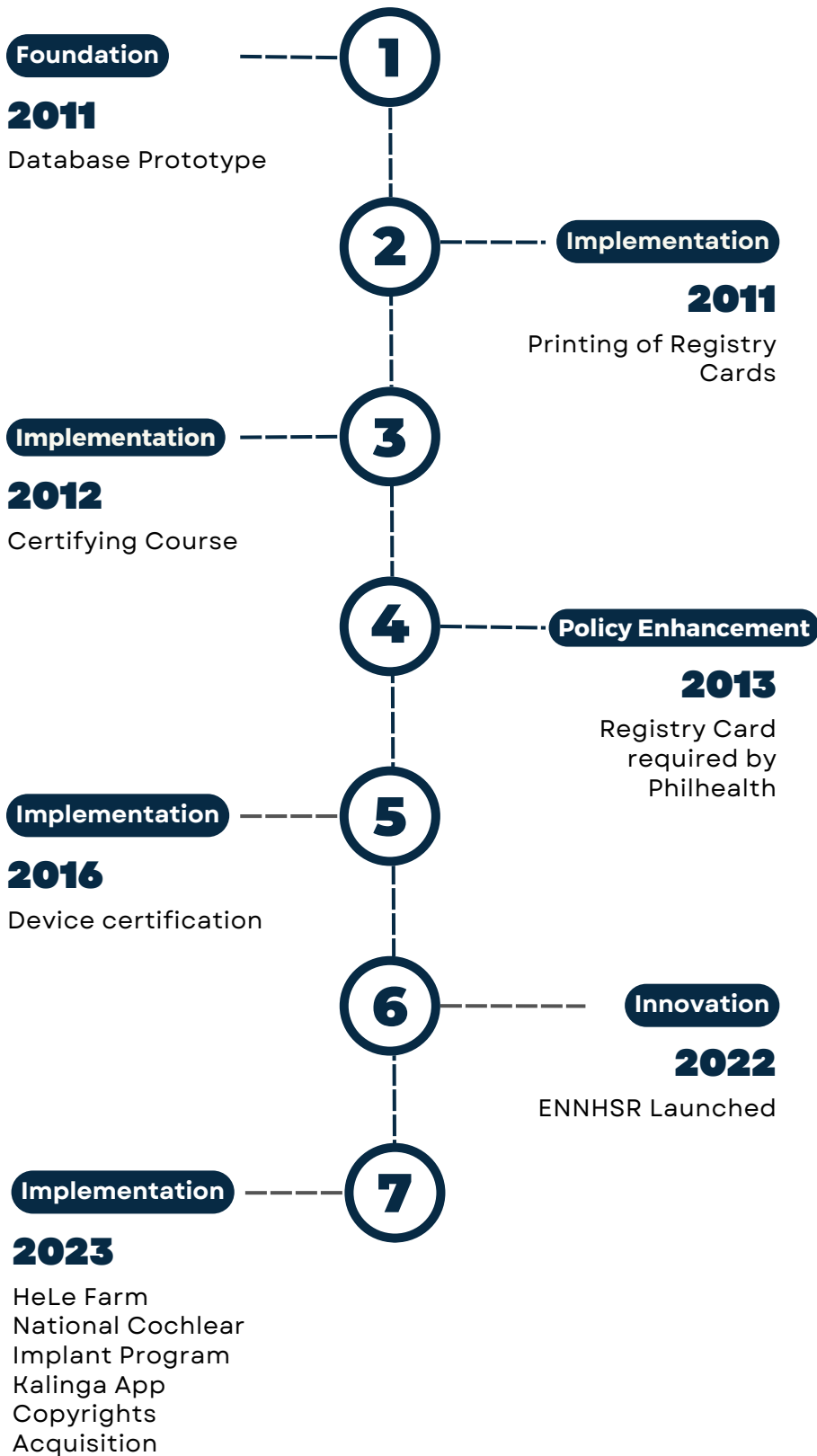
The Newborn Hearing Screening Reference Center – National Institutes of Health (NSHRC-NIH) as the technical arm of the Department of Health shall assist on the following:

1. Defines and recommends newborn hearing screening testing and follow-up protocols which includes hearing screening methods, devices used, location, manner, and timing of newborn hearing testing.
2. Conducts personnel certifying courses together with the DOH.
3. Conducts testing and certification of newborn hearing screening devices and methods with the DOH.
4. Distributes newborn hearing screening registry cards and levies fees as approved by the DOH.
5. Distributes advisory and advocacy materials in coordination with DOH.
6. Maintains and oversees the national hearing screening database and case registries.
7. Assists government and non-government agencies in all aspects of the program including implementation, training, awareness campaigns including overseeing the content of educational and other instructional materials

# ORGANIZATIONAL CHART



# MAJOR MILESTONES





# ACCREDITATION OF NEWBORN HEARING SCREENING CENTERS

As of December 2023, there are 1195 accredited hearing screening centers nationwide. An increase of 36.26% has been identified. {Figure 1 shows the distribution of these accredited centers per region. Table 1 shows the number of accredited centers according to category.

**1098**  
2021 Centers

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**877**  
2022 Centers

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**1195**  
2023 Centers

Category	2022 Centers	2023 Centers
A	849	1169
B	14	13
C	5	4
D	9	9

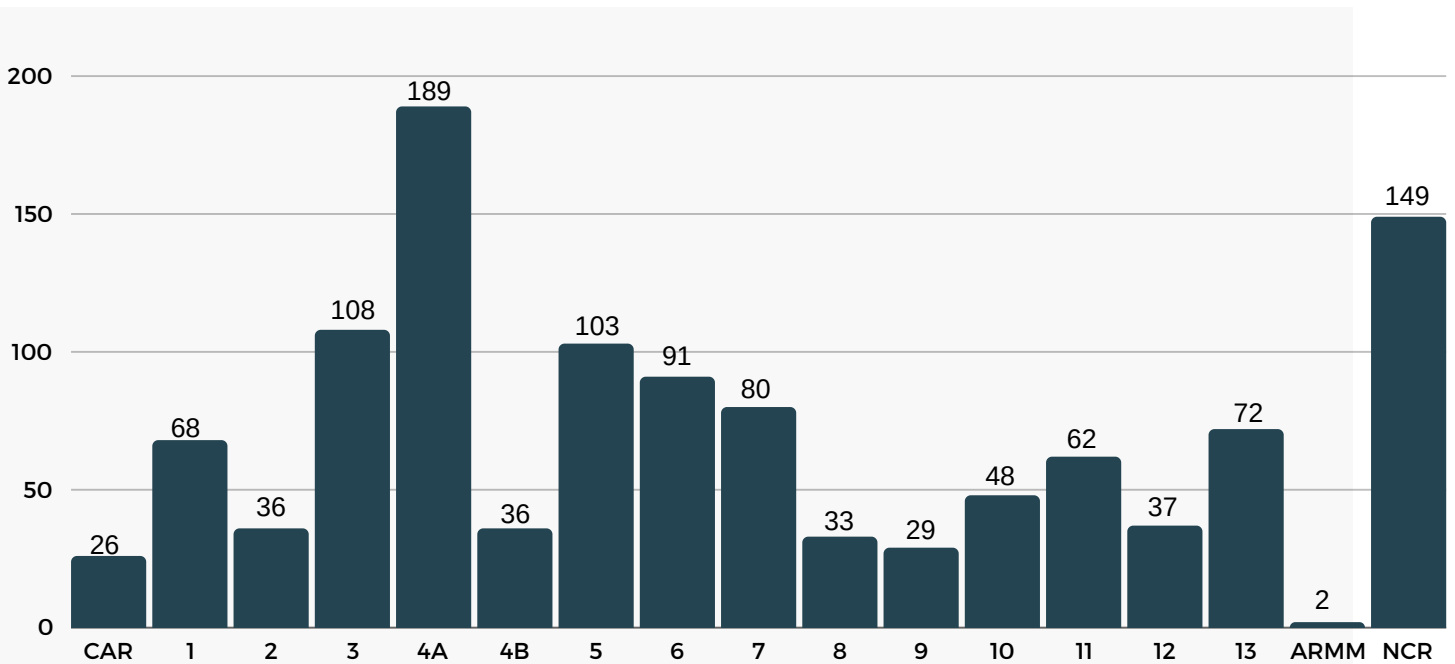


Table 1

# ACCREDITATION OF NEWBORN HEARING SCREENING CENTERS

Below is the distribution of facilities based on Category Certification.

## Category A Facilities in the Philippines

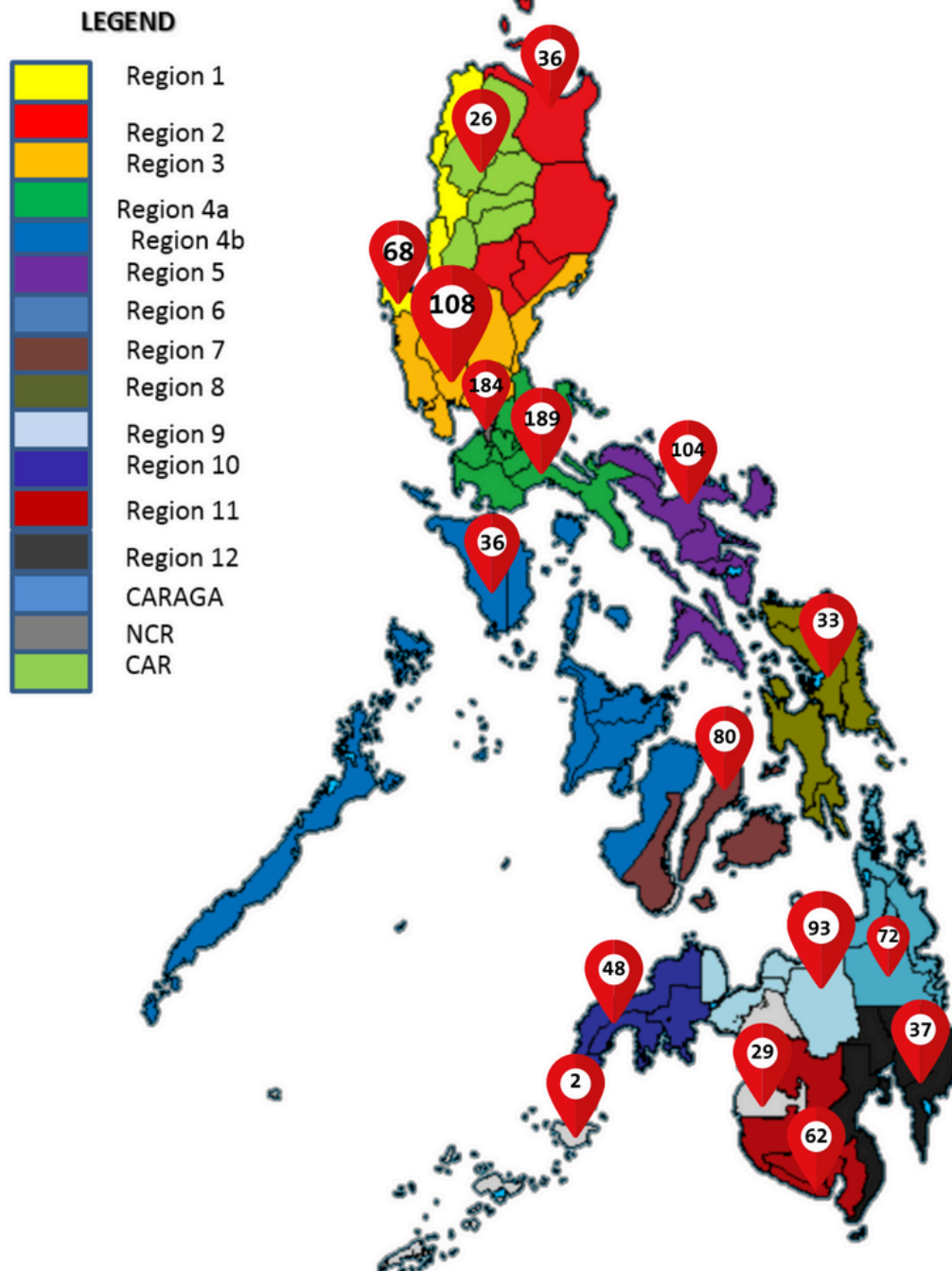


Image 1

# ACCREDITATION OF NEWBORN HEARING SCREENING CENTERS

Below is the distribution of facilities based on Category Certification.

## Category B Facilities in the Philippines

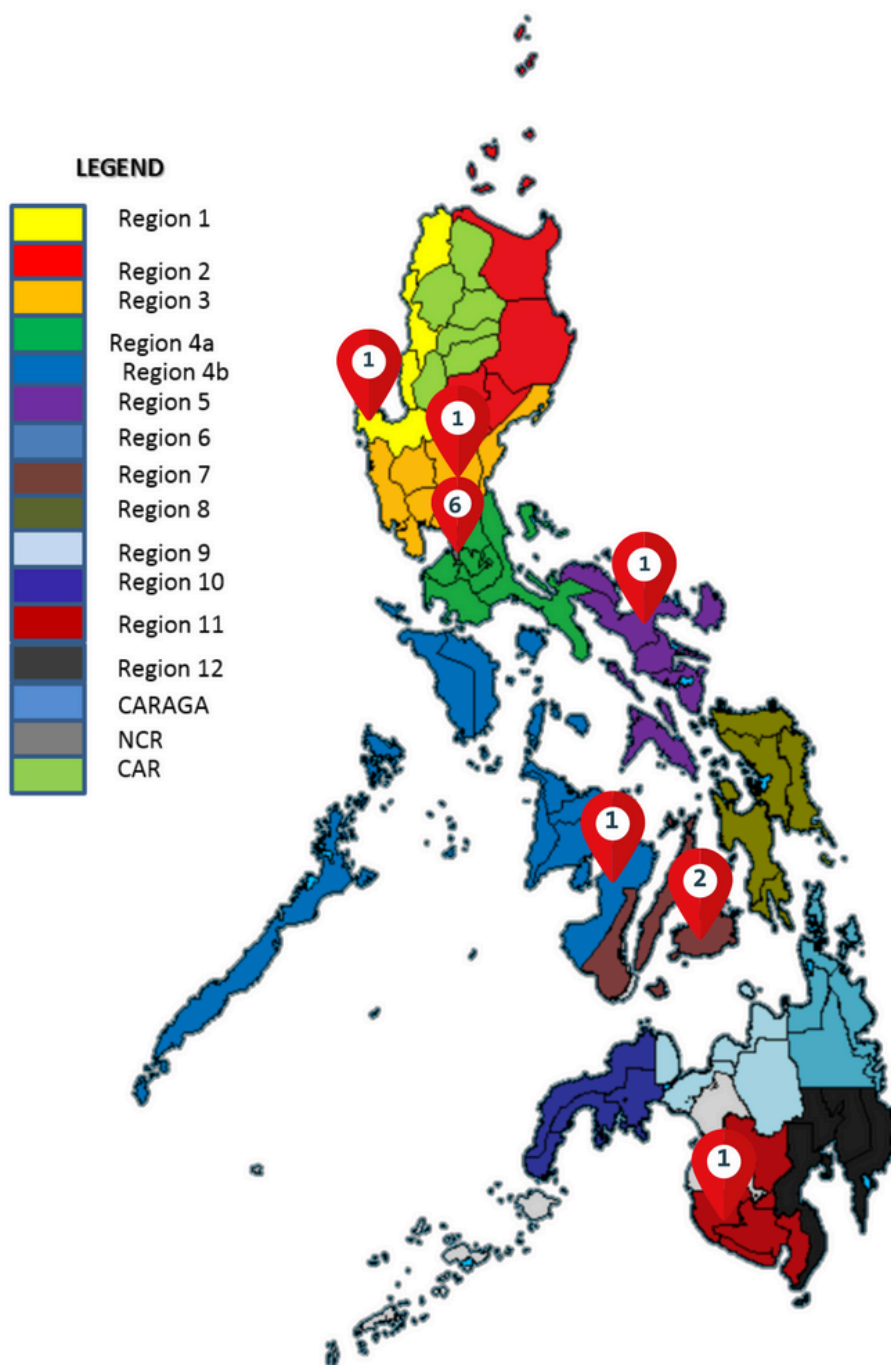


Image 2

# ACCREDITATION OF NEWBORN HEARING SCREENING CENTERS

Below is the distribution of facilities based on Category Certification.

## Category C Facilities in the Philippines

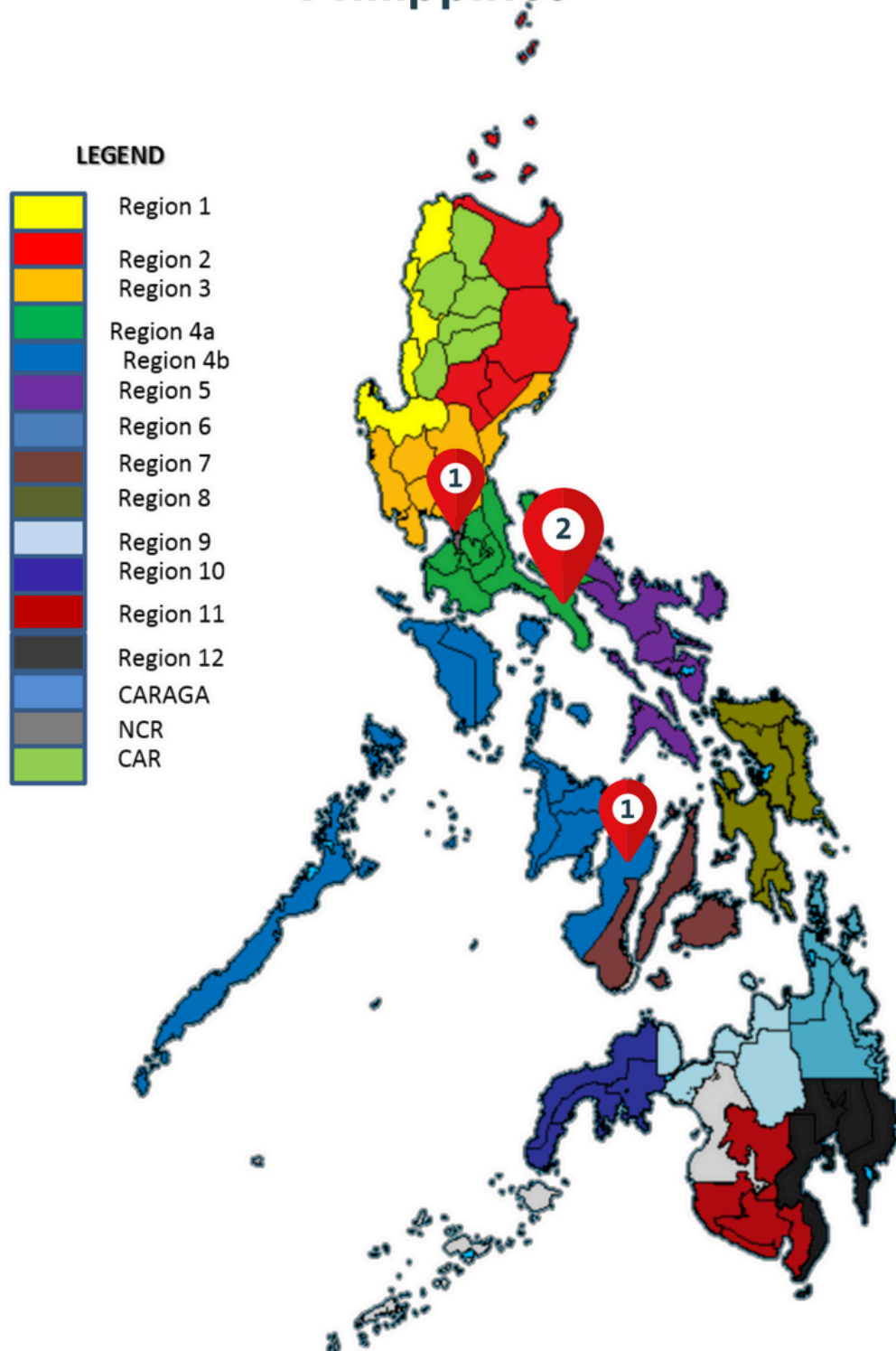


Image 3

# ACCREDITATION OF NEWBORN HEARING SCREENING CENTERS

Below is the distribution of facilities based on Category Certification.

## Category D Facilities in the Philippines

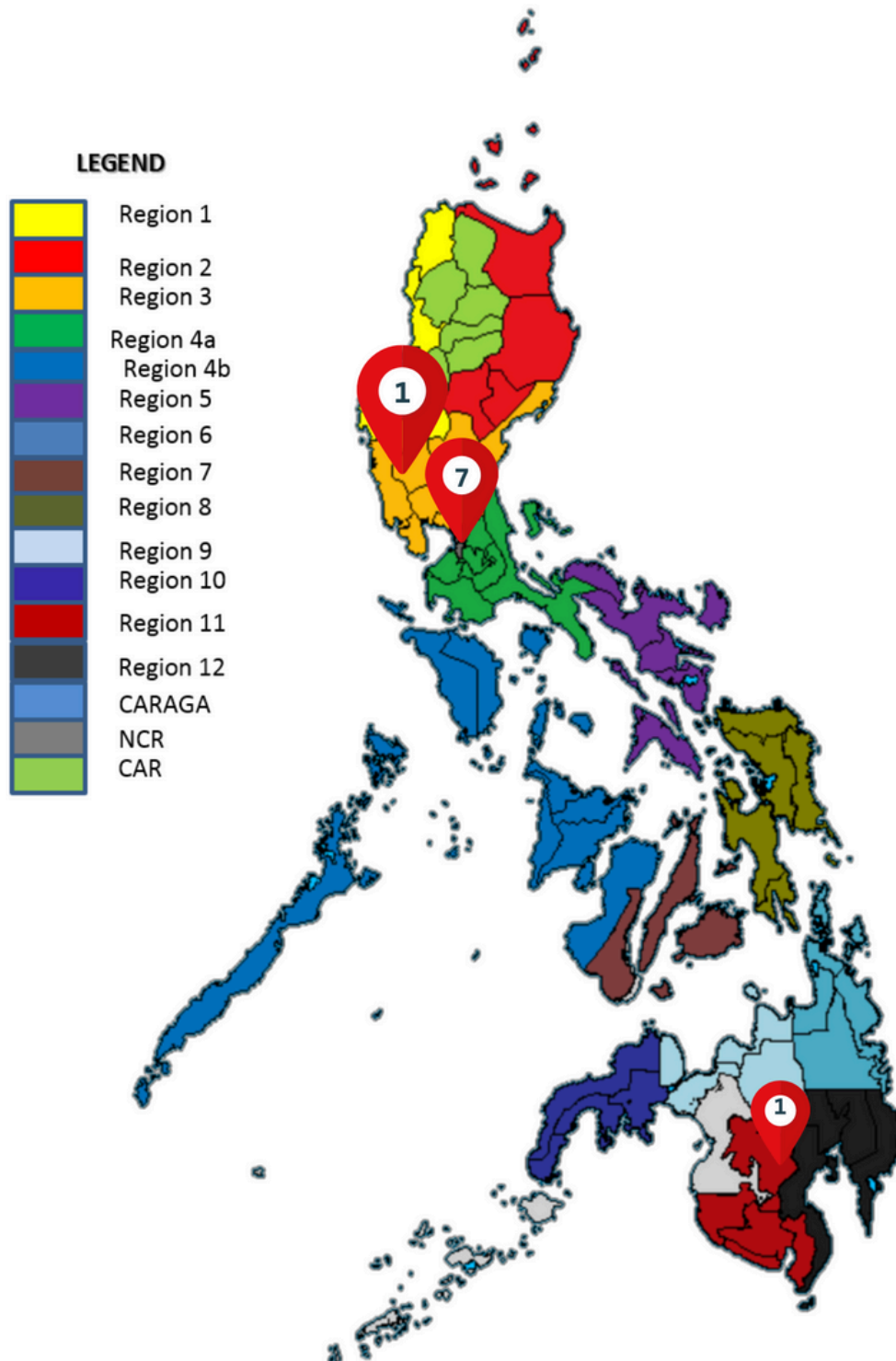


Image 4

## TRAINING AND CERTIFICATION OF HEARING SCREENING PERSONNEL

In 2022, two hundred one (201) Certifying Courses were conducted. 199 courses were conducted online using a 3rd Party Service Provider, Canvas and 2 Face-to-face certifying courses were conducted in Cebu and Davao respectively (Table 2). Among the 201 Certification, 3 were Category B and 198 were Category A Certification.

**550**  
2021 Certified Personnel

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**452**  
2022 Certified Personnel

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**924**  
2023 Certified Personnel

**353**      **147**      **424**  
2022 Online Certification      Face-to-Face Certification      Regional and Special Courses

Online Course
January 2-31, 2023
February 1-18, 2023
March 1-31, 2023
April 3-28, 2023
May 1-31, 2023
June 1-30, 2023
July 3-31, 2023
August 1-31, 2023
September 1-29, 2023
October 2-31, 2023
November 2-30, 2023
December 1-29, 2023

Face-to-face
February 8, 2023
February 15, 2023
March 8, 2023
March 15, 2023
April 12, 2023
April 19, 2023
June 21, 2023
July 12, 2023
July 19, 2023
August 9, 2023
August 16, 2023
September 13, 2023
September 20, 2023
October 11, 2023
October 18, 2023

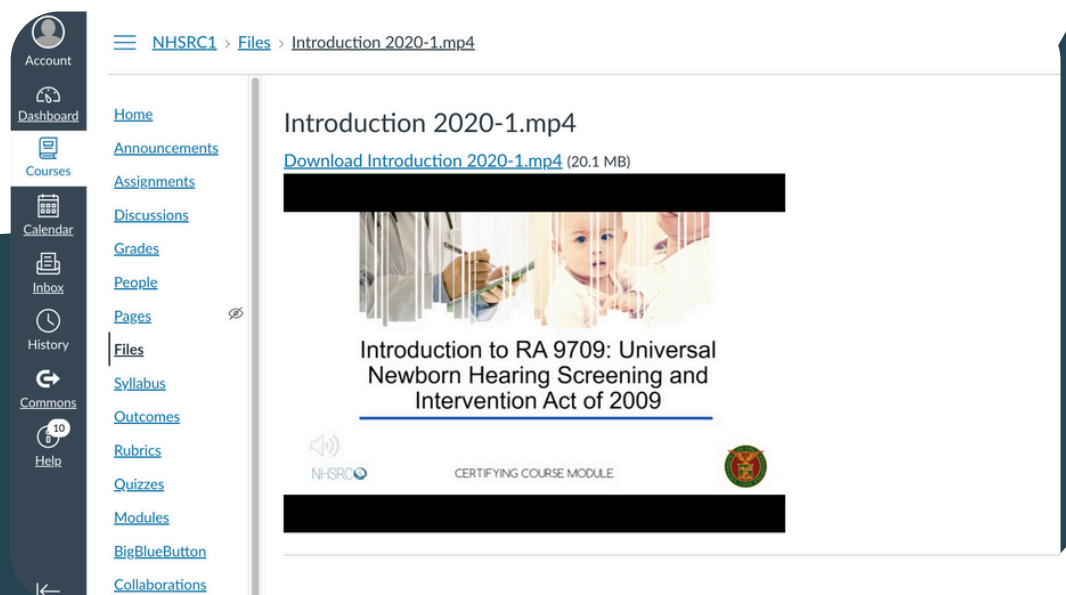
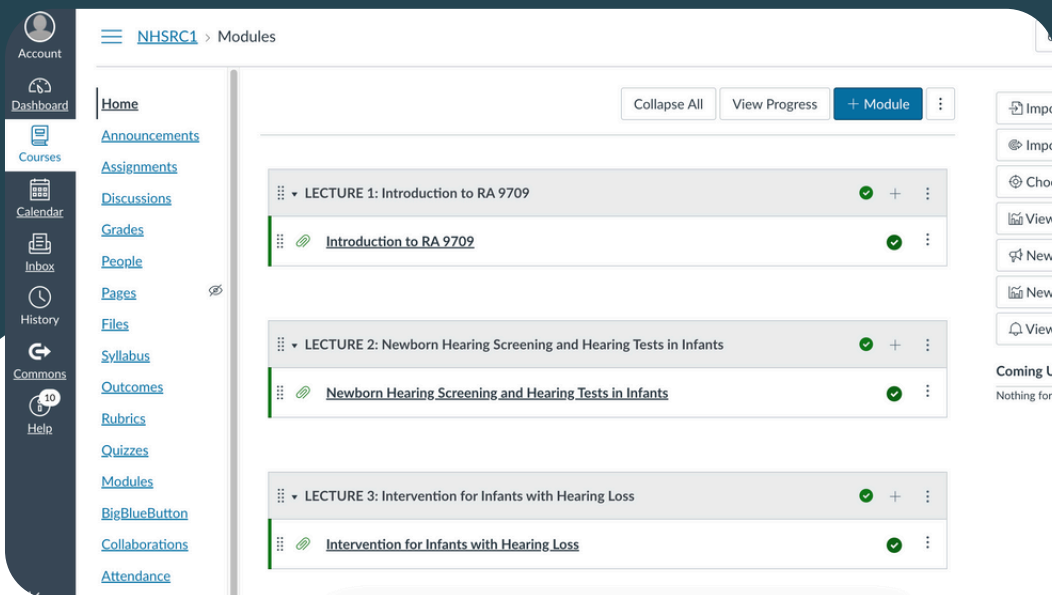
Regional Course
Bacolod - April 15, 2023
Davao - April 27-28, 2023
Bicol - June 7, 2023
Baguio - June 14-16, 2023
Cebu - June 29, 2023
CARAGA - July 28, 2023
Bohol - October 20, 2023
Iloilo - November 24, 2023

Special Course
PNEI Hosted - June 25, 2023

Table 3. List of Course Breakdown based on Learning Set-up and Initiatives..

# TRAINING AND CERTIFICATION OF HEARING SCREENING PERSONNEL

Image 1 and 2 show the dashboard of the Newborn Hearing Screening Course using the Canvas/Infrastructure Platform.



## TRAINING AND CERTIFICATION OF HEARING SCREENING PERSONNEL

Images below are the photos taken during the monthly face-to-face certification training at the NHSRC Main Office in Malate, Manila.





# TRAINING AND CERTIFICATION OF HEARING SCREENING PERSONNEL

Images below are the photos taken during the monthly face-to-face certification training at the NHSRC Main Office in Malate, Manila.



## SUMMARY OF DATA FROM THE NEWBORN HEARING SCREENING REGISTRY

Certified facilities submitted their reports through the ENNHSR. Table 5 shows the number of babies screened per region, respectively.

An increase of **524,042 (170.14%)** babies were screened as compared to 2022's 193,989.

BARMM records the highest number of babies screened with 124,015, Region 8 with the lowest number of babies screened with 4,041. The national average is at 30,547 babies screened.

**158,317**

*2021 Babies Screened*

**193,989**

*2022 Babies Screened*

**524,042**

*2023 Babies Screened*

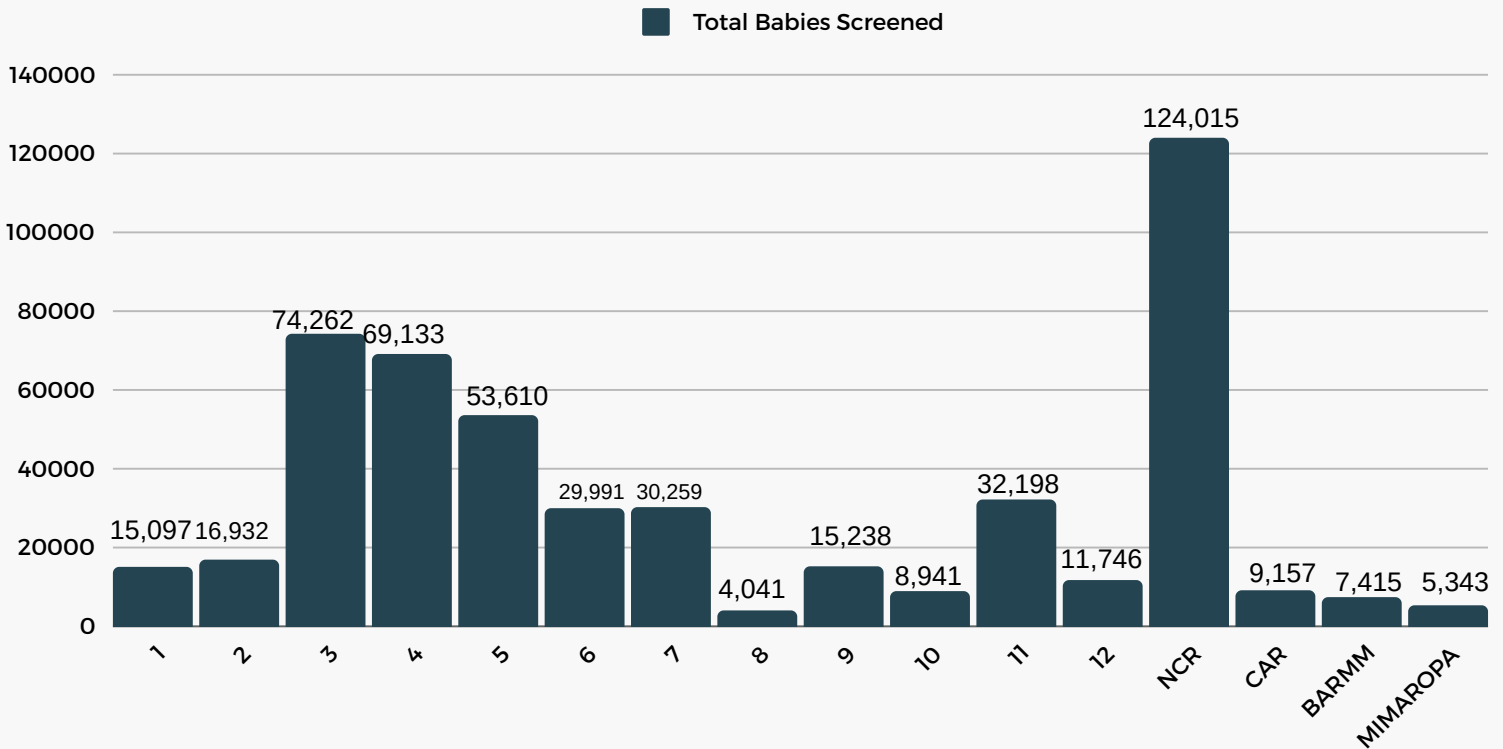


Table 5

## SUMMARY OF DATA FROM THE NEWBORN HEARING SCREENING REGISTRY

Certified facilities submitted their reports through the ENNHSR. Tables 6 and 7 show the distribution of results and breakdown per region, respectively. Data submitted showed that 31,383 (6%) babies had bilateral refer results, 26,882 (5.1%) had unilateral refer and 459,991 (87.77%) had bilateral pass results (Table 6).

NCR records the greatest number of incidences of Bilateral Refer and Unilateral Refer Results followed by Region 4 and Region 5 (Table 7 and 8).

**7,861**

*2021 Bilateral Refer*

**11,065**

*2022 Bilateral Refer*

**31,383**

*2023 Bilateral Refer*

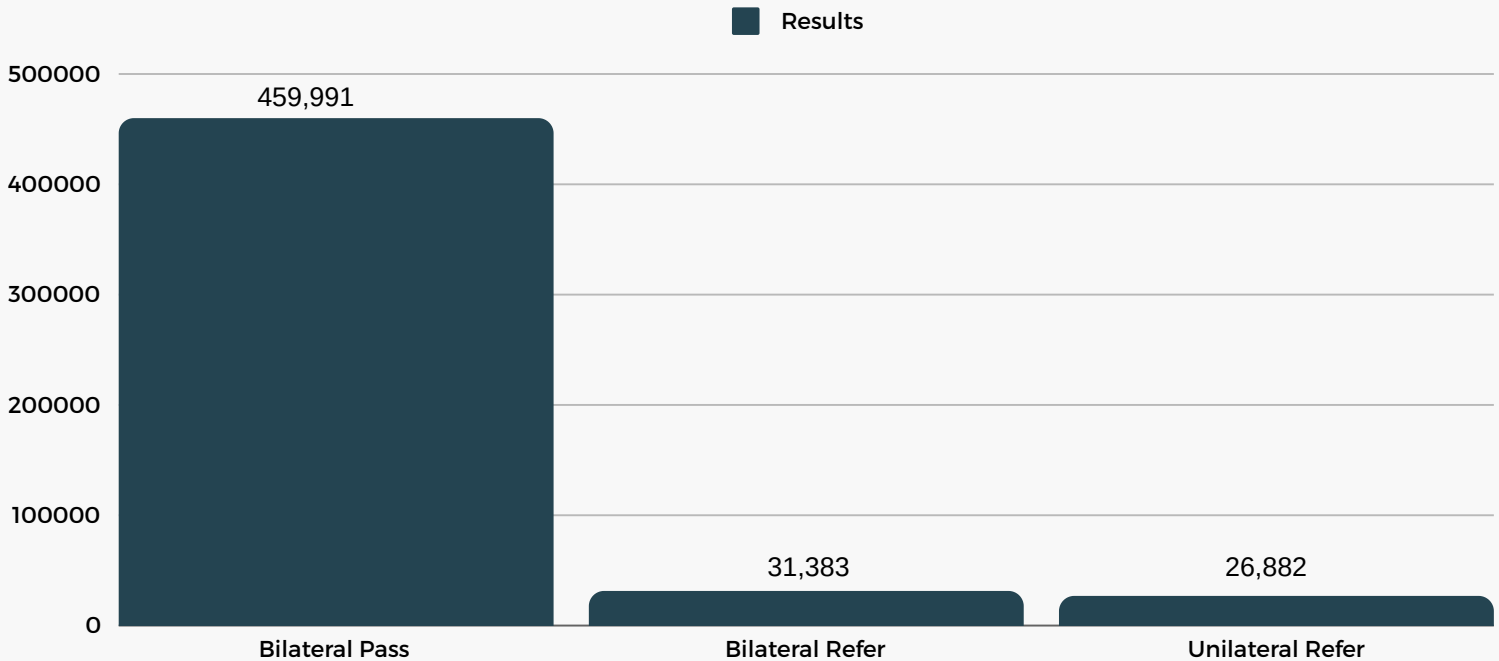


Table 6

## SUMMARY OF DATA FROM THE NEWBORN HEARING SCREENING REGISTRY

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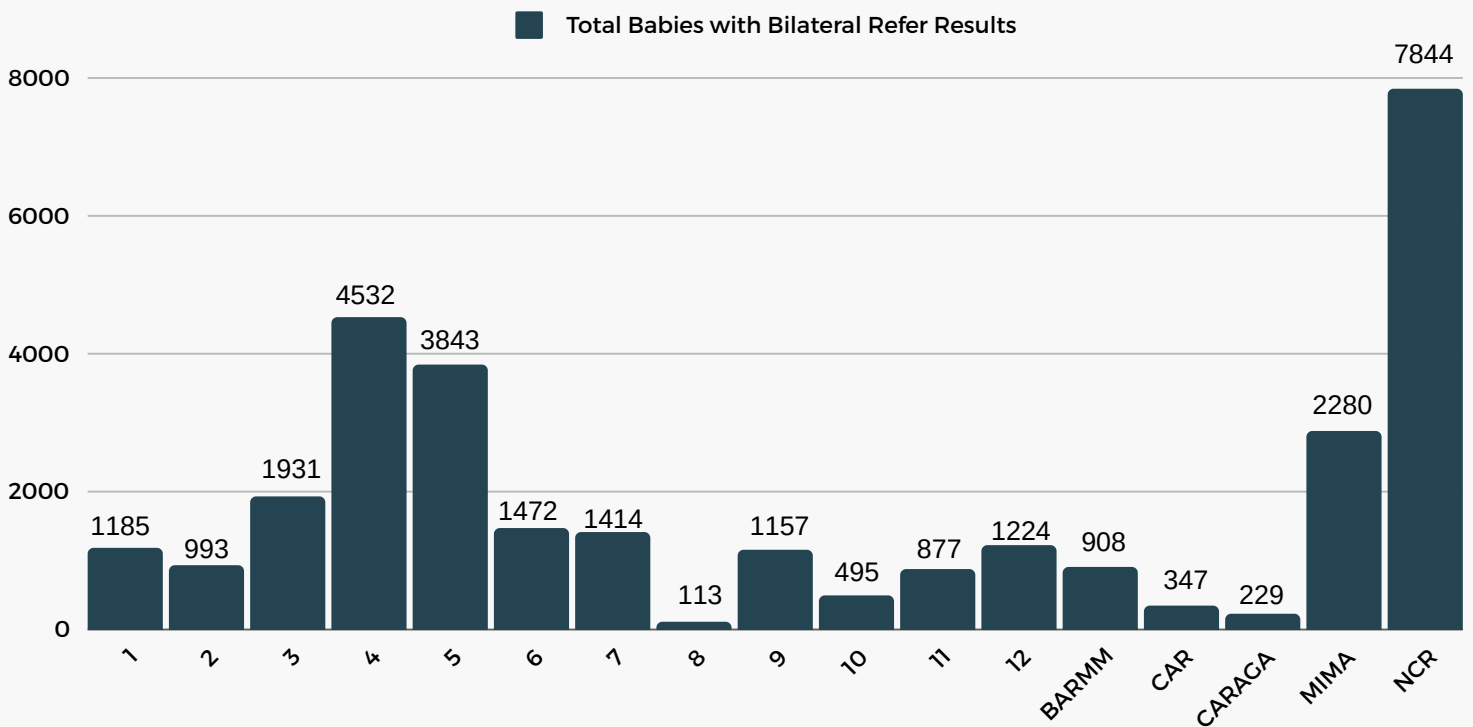


Table 7

NOTE: No data has been submitted by Categories B, C, and D for any follow up from those with Bilateral and Unilateral Refer Results.

## SUMMARY OF DATA FROM THE NEWBORN HEARING SCREENING REGISTRY

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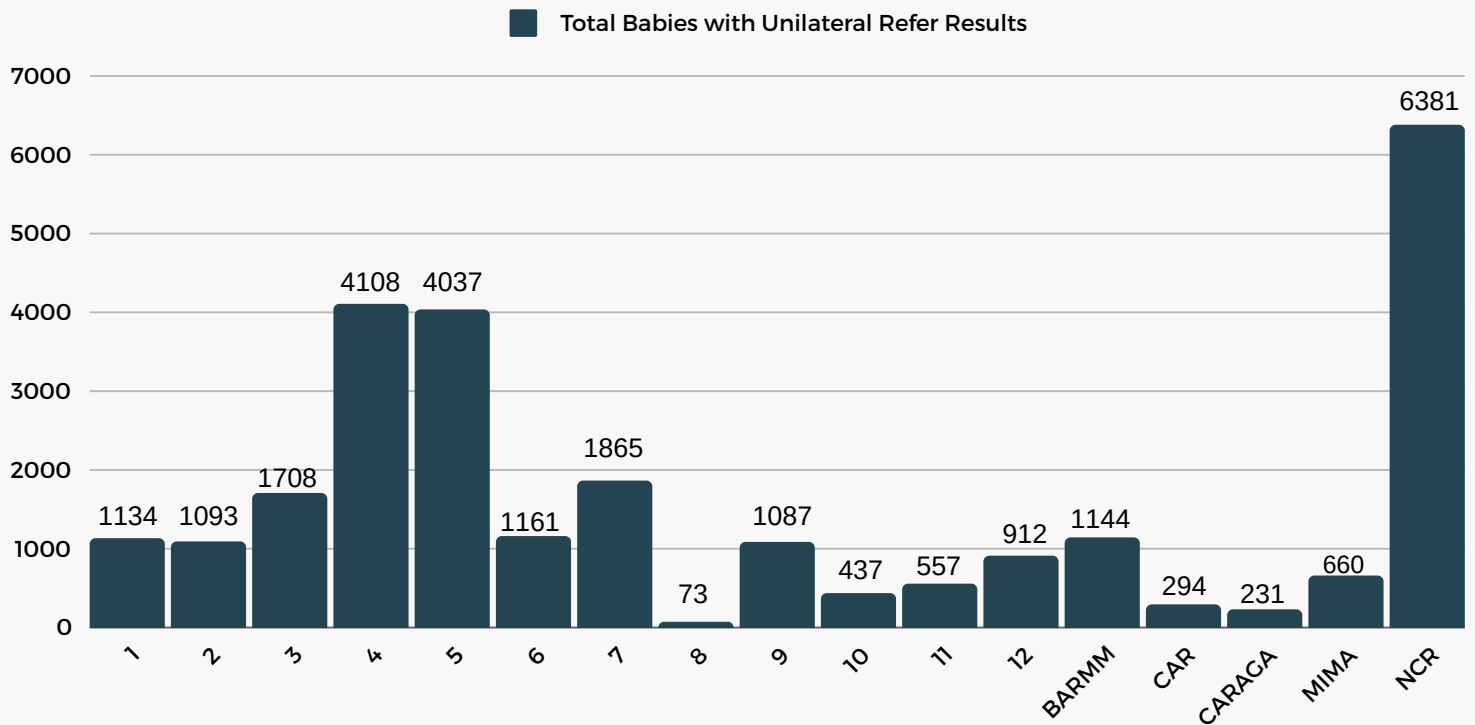


Table 8

## SUMMARY OF DATA FROM THE NEWBORN HEARING SCREENING REGISTRY

In 2023, marked the first recording of confirmatory tests using ENNHSR. A total of thirty-four (34) patients were identified with hearing loss and fourteen (14) upon confirmatory test

<b>2023 ABR</b>	
<b>ABR NORMAL HEARING THRESHOLD TOTAL</b>	<b>16</b>
<b>ABR BILATERAL HL TOTAL</b>	<b>17</b>
<b>ABR UNILATERAL TOTAL</b>	<b>1</b>
<b>GRAND TOTAL</b>	<b>34</b>

<b>2023 ASSR</b>	
<b>ASSR NORMAL HEARING THRESHOLD TOTAL</b>	<b>0</b>
<b>ASSR BILATERAL TOTAL</b>	<b>13</b>
<b>ASSR UNILATERAL TOTAL</b>	<b>1</b>
<b>GRAND TOTAL</b>	<b>14</b>

## DEVICE CERTIFICATION

In 2023, no additional hearing screening equipment was certified by the NHSRC. In total, there are 19 hearing screening devices certified by the NHSRC (Table 4).

# 19

*2022 Certified  
Devices*

# 22

*2023 Certified  
Devices*

### Certified Hearing Screening Equipment

- Biologic Audx Pro Hearing Screening System 580-AXPBOX-01
- GSI AUDIOscreeener+ OAE Part number 2205-9730 without printer
- GSI 70 AUTOMATED OAE SCREENER Part # 1770 -9702(Multi-Patient with printer)
- GSI 70 AUTOMATED OAE SCREENER Part # 1770 -9708 (Single patient with printer)
- GSI Corti 1804314, 1804315, 1804316
- Interacoustics OtoRead Screener TE
- Interacoustics OtoRead Screener DP
- MAICO703043x.P.SW/703041x.P.SW Ero Scan TEOAE or DPOAE
- MAICO MB11 BERAPhone AABR
- MAICO easySCREEN BERAPHONE 8516041
- MAICO EROSCAN 8106839
- NATUS Echo-Screen
- NEUROSOFT aSCREEN with Mini Thermal Printer POS-5805DD
- NEUROSOFT Audio-Smart with Mini Thermal Printer POS-5805DD
- NATUS Echoscreen III Pro
- Otodynamics Echocheck OAE screener
- Otodynamics Otoport Lite OAE screener
- OTOMETRICS MADSEN ACCUSCREEN Newborn Hearing Screener TEOAE, DPOAE
- Sentiero Eco SOH100098 TEOAE, DPOAE
- Sentiero Advanced SOH100360 TEOAE, DPOAE, AABR
- Sentiero Basic SOH100098 TEOAE, DPOAE
- Sentiero Desktop SIP10043

## MISCELLANEOUS ACTIVITIES

2023 marked the beginning of several projects and initiatives that will enhance the implementation of Newborn Hearing Screening. The following are the project grants in 2023:

### HEARING LOSS INTERVENTION PROGRAM (HALIP)

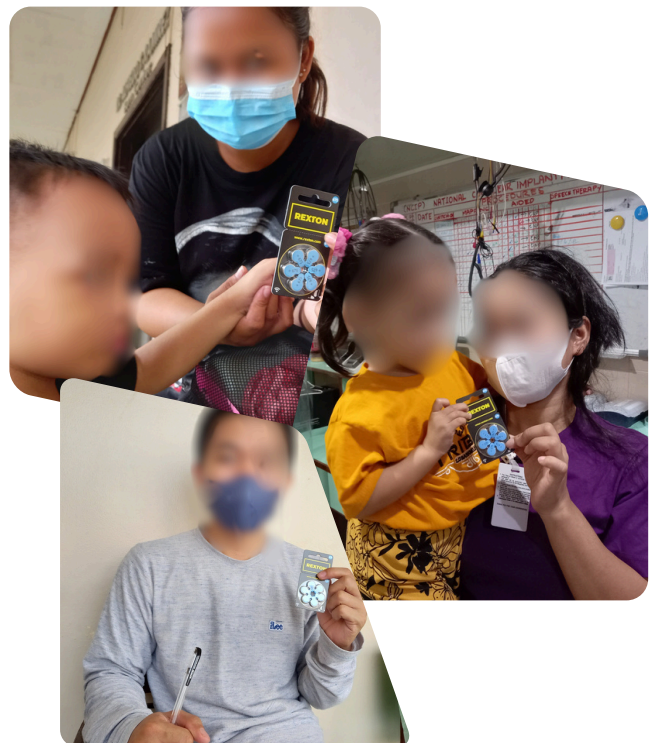
The Hearing Loss Intervention Program (HALIP) seeks to improve the lives of qualified patients through the provision of binaural hearing devices with appropriate aural and speech-language habilitation and monitoring, specifically early identification and intervention of bilateral sensorineural hearing loss in children. The goal is to showcase the benefits of providing patients with the appropriate patient care, hearing management, and intervention, with the use of hearing amplification and speech-language therapy. Another, is to showcase the benefits of providing patients with binaural hearing aids as opposed to just one hearing aid via public health programs. If the child does not show benefit from hearing aid use, HALIP will facilitate referral for possible Cochlear Implantation to the Philippine National Ear Institute's - National Cochlear Implant Program (NCIP) or similar Cochlear Implantation programs available.

#### Hearing Aid Dispensing:

- As of December 31, 2023, the program had successfully delivered 28 hearing devices (Aries Pro BTE 675). Currently, the program is in the second phase (Tranche 2) of implementation, where the focus is on fitting and molding the hearing aids for the patients. Tranche 3 will follow, finalizing the dispensing process. A total of 10 patients have already received their hearing aids.

#### Speech Therapy Services:

- To accommodate upcoming tax deductions for contracted therapists, adjustments have been made to the following:
  - Speech therapy session frequency
  - Case conference budget allocation





## MISCELLANEOUS ACTIVITIES

2023 marked the beginning of several projects and initiatives that will enhance the implementation of Newborn Hearing Screening. The following are the project grants in 2023:

### HEARING FOR LIFE FACILITY FOR AUDIOLOGIC AND REHABILITATIVE MANUFACTURING (HELE FARM)

The Hearing for Life Facility for Audiologic and Rehabilitative Manufacturing (HeLe FARM) Project aims to establish an in-premise manufacturing service for research and teaching, and for point-of-care delivery of complementary devices and technologies for newborn hearing and communication health in a university hospital.

Updates on the Hele farm Project are as follows:

- On Infrastructure Development, a 30-square meter room in the LKM Maker space is being set up as the facility for HeLe Farm implementation named UP Sibol Prosthesis Studio. An acquisition of a 3D Printing Equipment (Phrozen) and software package (Materialise Mimics) were used for training and implementation.
- In terms of capacity building, an immersion workshop was conducted and proposed a development of a training program in partnership with the College of Fine Arts, the latter being responsible for the development of the training curriculum.
- Currently, they have started identifying the steps to achieve the integration of the project to digital fabrication technologies. Through the use of the acquired equipment and software, they have developed a process for creating molds. Additionally, a process was developed to create molds manually using RTV Silicone.

The following challenges were identified:

- Steep learning curve with 3D Processing and 3D Modeling tools.
- Learning curve on material handling and molding with silicone.
- Local supplier of quality silicone does not accept government procurement.



## MISCELLANEOUS ACTIVITIES

2023 marked the beginning of several projects and initiatives that will enhance the implementation of Newborn Hearing Screening. The following are the project grants in 2023:

### NATIONAL COCHLEAR IMPLANT PROGRAM (NCIP)

The aim of the National Cochlear Implant Program (NCIP) is to create a service delivery process for cochlear implantation in children identified with bilateral hearing impairment who have shown little or no benefit with hearing aid amplification at the Philippine General Hospital (PGH) with the intention that this process can be applied to other Category D Newborn Hearing Centers nationwide.

The following are the current updates of the NCIP Project:

- There is a total of 4 candidates for surgery with 11 candidates currently undergoing completion of work-up.
- Budget for consignment approved last December 14, 2023, with Cochlear™ and Med-El as consigners.
- Meeting with the Medical Social Services done to streamline the consignment process which allows only Class C and D to become eligible to receive the implant.
- It has been decided by the ORL-HNS Department that patients under the program must be admitted under the Pay Patient Services, providing borrowed single rooms, to restrict chances of infection. The approval of this proposal is still pending from the DDHO. Surgeries will commence once approval has been received.



## MISCELLANEOUS ACTIVITIES

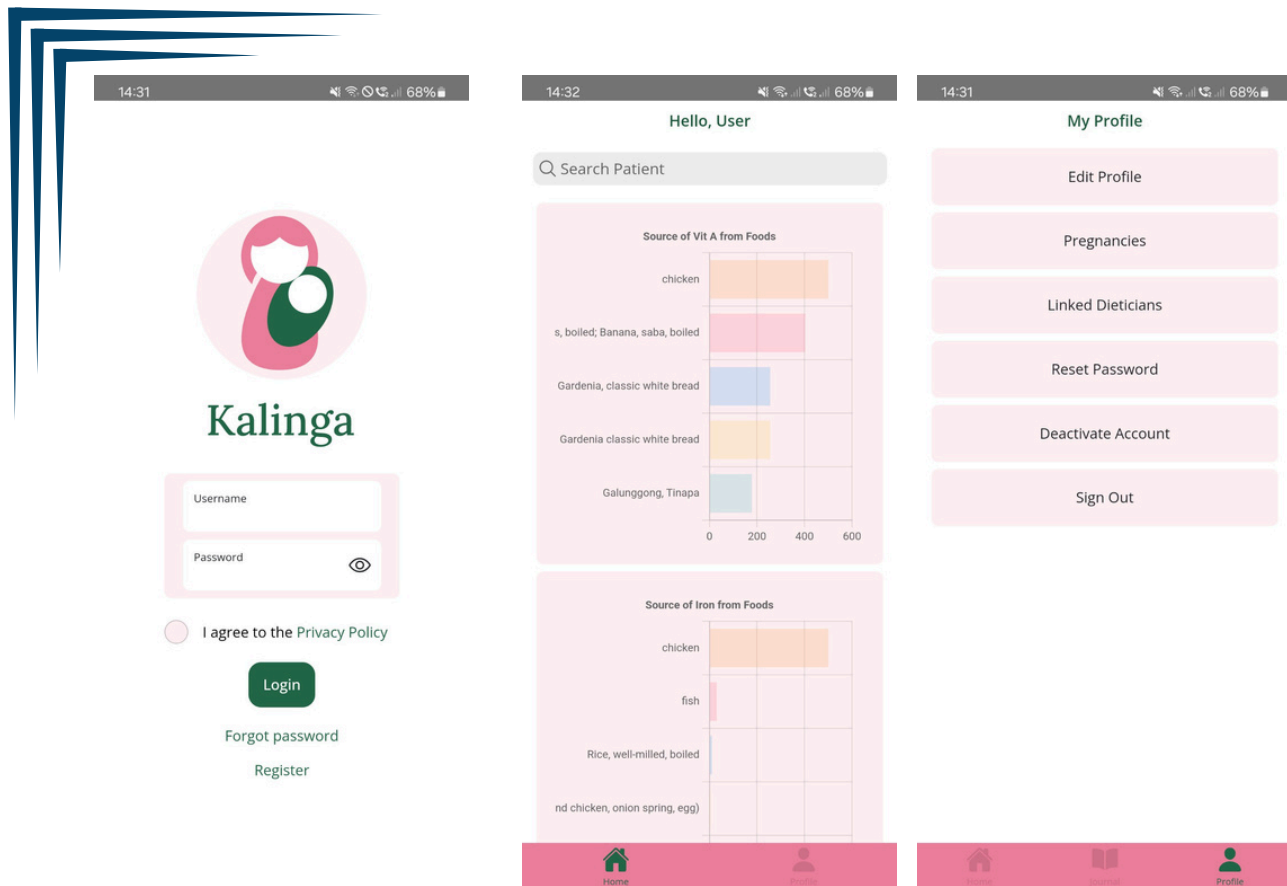
2023 marked the beginning of several projects and initiatives that will enhance the implementation of Newborn Hearing Screening. The following are the project grants in 2023:

### DESIGN, DEVELOPMENT, AND TESTING OF A MOBILE APPLICATION OF THE ENNHSR FOR IRON, AND RETINOL INTAKE AMONG PREGNANT WEMEN IN SELECTED NHSRC-ACCREDITED FACILITIES (KALINGA APP)

The objective of Kalinga App is to create a mobile application that records the dietary intake of pregnant women and notifies designated newborn hearing screening facilities about individuals who may be at risk of iron, and vitamin A deficiencies, as they have a significant correlation with newborn hearing impairment. The data taken from the mobile app shall be also sent to the central Electronic National Newborn Hearing Screening Registry (ENNHSR).

The screenshots below are finished User Interface of the Kalinga Application which included the following:

- a. Login Screen
- b. Dashboard
- c. Profile Screen



## MISCELLANEOUS ACTIVITIES

2023 marked the beginning of several projects and initiatives that will enhance the implementation of Newborn Hearing Screening. The following are the project grants in 2023:

### NEWBORN HEARING SCREENING SIMULATION AND TRAINING LABORATORY (SIMLAB)

The project aims to develop a Simulation and Training Laboratory that will be used to enhance and refine the training programs of the Newborn Hearing Screening Reference Center. Specifically, the project aims to:

1. Construct a Category D Newborn Hearing Simulation and Training Laboratory within the National Institute of Health Building;
2. Develop online training modules for newborn hearing screening, confirmatory testing, hearing aid fitting, aided testing, play and behavioral audiometry, and cochlear implant programming that can be used by the NHSRC;
3. Create telemedicine, and teleaudiology algorithms for use by the NHSRC.

The following are the updates on the project:

- The University of the Philippines System (UP System) Integrated Budget Office and Liaison (UP-SIBOL) has approved the use of a 13 square meter (SQM) meeting room.
- A Memorandum of Agreement (MOA) is currently being drafted between the Property and Non-Estate Income (PNEI) Office and the UPCM Building Administration to finalize the rental fee and usage guidelines.
- To enhance the meeting room's functionality, soundproofing is being explored for future implementation.



## COPYRIGHTS

In 2023, NHSRC was awarded with the following copyrights that allows the seamless data collection for newborn hearing screening:

Republic of the Philippines  
**INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES**  
 Bureau of Copyright and Related Rights  
 Taguig City, Philippines

*Certificate of Copyright Registration*

Transfer Certificate No. 2023-05617-N-TCCR

Be it known that on October 20, 2023, the **UNIVERSITY OF THE PHILIPPINES MANILA**, Manila, NCR caused the recordation and transfer in its name, the copyright of the work with the following specifications:

Title	: ELECTRONIC NATIONAL NEWBORN HEARING SCREENING REGISTRY (ENNHSR) LITE, LIVE, AND STAGING WEBSITES
Author(s)	: Erasmo Gonzalo D. Llanes, Maria Rina T. Reyes-Quintos, Charlotte M. Chiong, Maria Luz M. San Agustin, Ma. Leah C. Tantoco, and et. al
Class	: Class N (Computer programs, software, games, applications)
Creation Date	: October 1, 2020
Period of Protection	: Lifetime of the last surviving author and for fifty (50) years after the said author's death.

By virtue of a notarized Deed of Assignment dated July 14, 2023 executed by **ERASMO GONZALO D. LLANES, MARIA RINA T. REYES-QUINTOS, CHARLOTTE M. CHIONG, MARIA LUZ M. SAN AGUSTIN, MA. LEAH C. TANTOCO, and ET. AL** and duly recorded in this office on October 20, 2023. The transfer/assignment of copyright shall not affect the copyright term or period of protection of the copyrighted work as indicated in this Transfer Certificate of Copyright Registration.

The recordation of copyright transfer is submitted to the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOP), for the purpose of completing the records of the NLP in accordance with Section 182 of Republic Act No. 8293, the Intellectual Property Code of the Philippines. This certificate is a transfer from Certificate of Copyright Registration No. 2023-05616-N (totally cancelled) by virtue hereof in so far as the above-described work is concerned.

Issued on October 20, 2023 in the City of Taguig, Philippines.

**ATTY. EMERSON G. CUYO**  
 Director IV  
 Bureau of Copyright and Related Rights



Certificate of copyright registration for ENNHSR Live, Lite and Staging Websites

## COPYRIGHTS

In 2023, NHSRC was awarded with the following copyrights that allows the seamless data collection for newborn hearing screening:

Republic of the Philippines  
**INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES**  
 Bureau of Copyright and Related Rights  
 Taguig City, Philippines

*Certificate of Copyright Registration*

Transfer Certificate No. 2023-05613-N-TCCR

Be it known that on October 20, 2023, the **UNIVERSITY OF THE PHILIPPINES MANILA**, Manila, NCR caused the recordation and transfer in its name, the copyright of the work with the following specifications:

Title	: ELECTRONIC NATIONAL NEWBORN HEARING SCREENING REGISTRY (ENNHSR) MOBILE (ANDROID NATIVE)
Author(s)	: Erasmo Gonzalo D. Llanes, Maria Rina T. Reyes-Quintos, Charlotte M. Chiong, Maria Luz M. San Agustin, Ma. Leah C. Tantoco, and et. al
Class	: Class N (Computer programs, software, games, applications)
Creation Date	: April 1, 2022
Period of Protection	: Lifetime of the last surviving author and for fifty (50) years after the said author's death.

By virtue of a notarized Deed of Assignment dated June 15, 2023 executed by **ERASMO GONZALO D. LLANES, MARIA RINA T. REYES-QUINTOS, CHARLOTTE M. CHIONG, MARIA LUZ M. SAN AGUSTIN, MA. LEAH C. TANTOCO, and ET. AL** and duly recorded in this office on October 20, 2023. The transfer/assignment of copyright shall not affect the copyright term or period of protection of the copyrighted work as indicated in this Transfer Certificate of Copyright Registration.

The recordation of copyright transfer is submitted to the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOPHL), for the purpose of completing the records of the NLP in accordance with Section 182 of Republic Act No. 8293, the Intellectual Property Code of the Philippines. This certificate is a transfer from Certificate of Copyright Registration No. 2023-05612-N (totally cancelled) by virtue hereof in so far as the above-described work is concerned.

Issued on October 20, 2023 in the City of Taguig, Philippines.

**ATTY. EMERSON G. CUYO**  
 Director IV  
 Bureau of Copyright and Related Rights



Certificate of copyright registration for the Android Application for ENNHSR

## COPYRIGHTS

In 2023, NHSRC was awarded with the following copyrights that allows the seamless data collection for newborn hearing screening:

Republic of the Philippines  
**INTELLECTUAL PROPERTY OFFICE OF THE PHILIPPINES**  
 Bureau of Copyright and Related Rights  
 Taguig City, Philippines

*Certificate of Copyright Registration*

Transfer Certificate No. 2023-05615-N-TCCR

Be it known that on October 20, 2023, the **UNIVERSITY OF THE PHILIPPINES MANILA**, Manila, NCR caused the recordation and transfer in its name, the copyright of the work with the following specifications:

Title	: ELECTRONIC NATIONAL NEWBORN HEARING SCREENING REGISTRY (ENNHSR) MOBILE (IOS NATIVE)
Author(s)	: Erasmo Gonzalo D. Llanes, Maria Rina T. Reyes-Quintos, Charlotte M. Chiong, Maria Luz M. San Agustin, Ma. Leah C. Tantoco, and et. al
Class	: Class N (Computer programs, software, games, applications)
Creation Date	: April 1, 2022
Period of Protection	: Lifetime of the last surviving author and for fifty (50) years after the said author's death.

By virtue of a notarized Deed of Assignment dated July 14, 2023 executed by **ERASMO GONZALO D. LLANES, MARIA RINA T. REYES-QUINTOS, CHARLOTTE M. CHIONG, MARIA LUZ M. SAN AGUSTIN, MA. LEAH C. TANTOCO, and ET. AL** and duly recorded in this office on October 20, 2023. The transfer/assignment of copyright shall not affect the copyright term or period of protection of the copyrighted work as indicated in this Transfer Certificate of Copyright Registration.

The recordation of copyright transfer is submitted to the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOP), for the purpose of completing the records of the NLP in accordance with Section 182 of Republic Act No. 8293, the Intellectual Property Code of the Philippines. This certificate is a transfer from Certificate of Copyright Registration No. 2023-05614-N (totally cancelled) by virtue hereof in so far as the above-described work is concerned.

Issued on October 20, 2023 in the City of Taguig, Philippines.

**ATTY. EMERSON G. CUYO**  
 Director IV  
 Bureau of Copyright and Related Rights



Certificate of copyright registration for the iOS Application for ENNHSR

# Questions? Contact us.

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