



UNIVERSITY OF THE PHILIPPINES MANILA
THE HEALTH SCIENCES CENTER

HIGHLIGHTS *of* ACCOMPLISHMENTS

November 2017 - October 2020



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CHANCELLOR'S MESSAGE



CARMENCITA DAVID PADILLA MD, FPPS, MAHPS

Academician, National Academy for Science and Technology
Professor 12, College of Medicine, UP Manila
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In my past bids for the position of Chancellor, I have stated that my vision is for UP Manila to be recognized as the **National Center of Health Research and Development** for the Filipino people. This is anchored on UP's mandate to perform its unique and distinctive leadership role in higher education and development as stated in the UP Charter of 2008 or Republic Act 9500.

I can say with humility that in the past 6 years, UP Manila has achieved this status as a

National Center of Health Research and Development

having made a greater impact to the Philippine society as it positioned itself as a significant academic partner of the Department of Health and the Department of Science and Technology.

UP Manila has achieved its stature as the **National Center of Health Research and Development**, with closer collaboration among its 9 degree granting units:

- 1 College of Arts and Sciences
- 2 College of Allied Medical Professions
- 3 College of Dentistry
- 4 College of Medicine
- 5 College of Nursing
- 6 College of Pharmacy
- 7 College of Public Health
- 8 National Teacher Training Center for the Health Professions
- 9 School for Health Sciences

And 2 non-degree granting units:

- Philippine General Hospital
- National Institutes of Health

UP MANILA: TOWARDS EXCELLENCE IN ACADEMICS, RESEARCH, AND PUBLIC SERVICE

In the past 6 years under my leadership, my team has steered UP Manila towards:

Excellence in Academics and Research

The ASEAN integration in 2015 prompted UP Manila to prepare its academic community to produce highly skilled and better-equipped graduates - solving problems and challenges of the future. The rigid review of undergraduate and graduate programs ensured deepened responsiveness to the needs of the country.

Using a framework of **Outcome-based Education (OBE)** and the **new GE program**, colleges have finalized:

21 UNDERGRADUATE PROGRAMS

20 GRADUATE PROGRAMS
Undergoing Revision

As such it has sustained its leading position as top health-education provider based on the outstanding board examination performance of our graduates. Three new graduate programs have been introduced:

- 1** PhD in Health Sciences by Research
- 2** PhD in Health Sciences by Publication DrHPed
- 3** PhD in Health Sciences by Research



MASTERS IN PUBLIC HEALTH

Starting 2019, UP Manila also started the offering of MPH, a joint offering of CPH, CM, and CAS, to

160  **SCHOLARS**

in the Doctors to the Barrios Program of the Department of Health.

Brief

The UP Manila Research **Bridging Effort Funds (BriEF)** Assistance Program has been instituted to provide short-term limited financial support to faculty research projects while waiting for release of funds of externally funded projects.

CANVAS

In support of flexible learning during the New Normal during the COVID Pandemic, UP Manila procured a second Learning Management System, **CANVAS**, to ensure the implementation of remote learning opportunities.

>70% 

More than 70% of the faculty have completed training in CANVAS and trainings for students will be scheduled soon.

6,552 RESEARCHES

In 2015, The Research Grants Administration Office (RGAO) has been restructured with expansion of its responsibilities to include assisting investigators in grants application and coordination with research agencies.

From 2014 to 2020, the research dashboard of RGAO has registered 6,552 researches from UP Manila faculty, REPS, PGH residents and fellows, students and staff.

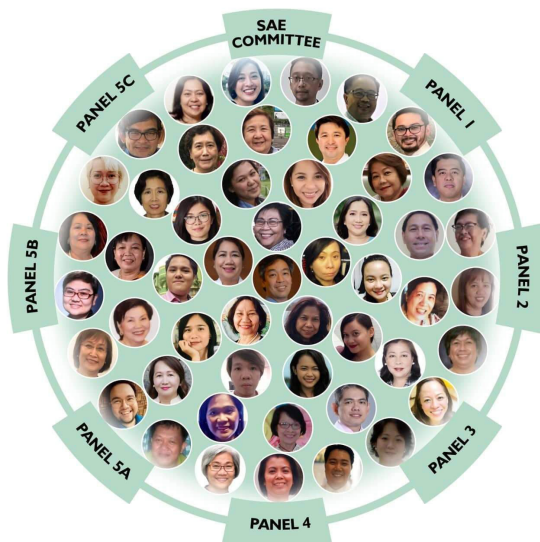


There are 210 COVID related projects registered in the past 4 months on a wide range of topics:

- **Clinical Trials**
- **Clinical Features of COVID**
- **Information Technology Innovations**
- **Infection Control Measures**
- **Molecular Biology of SARS-CoV2**
- **Guidelines and Protocols**
- **Impact of Quarantine on Medical Education**
- **Knowledge, Attitudes, and Practices**
- **COVID-19 on Social Media**



With the exponential growth of research activities in UP Manila, it was deemed necessary to recommend the **separation of the offices of the Executive Director of NIH and the Vice Chancellor for Research**. Since the establishment of NIH in 1996, its Executive Director was also the Vice Chancellor for Research. The separation was approved by the board of regents in 2018. The Vice Chancellor for research took the responsibility of moving researches in the Colleges and Executive Director provided guidance to the NIH Institutes and Centers.



UP Manila assumed leadership not only in the number and quality of health research, but in promoting Research Ethics. Recently, the UP Manila Research Ethics Board was recognized as the **Most Outstanding Research Ethics Committee in all of Asia**.

TTBDO PORTFOLIO

11 ACTIVE LICENSEES

- 2** TECHNOLOGIES
Sambong and Lagundi
- 2** PENDING LICENSING AGREEMENTS
CHITS, Hemoxyther
- 3** RCAs WITH INDUSTRY IN PROCESS
Rohto, D&L, ULSSI
- 3** LICENSING APPLICATIONS IN PROCESS
Lagundi, Ulasimang Bato

INTELLECTUAL PROPERTIES

- 103** DISCLOSURES
- 18** PATENTS
- 29** UTILITY MODELS

The creation of the **Technology Transfer and Business Development Office (TTBDO)** in 2016 expanded business development opportunities of its discoveries as it provided assistance in licensing, IP awareness, disclosures, protection, portfolio development, capability building, and patent searching.

Operational Efficiency for Enhanced Services and Protection of its Human Assets

Recognizing a gap in the mental health care system, a **Psychosocial Wellness Network (PSWN)** was formally established in 2016 to work for the development of a mentally healthy university by creating a nurturing and healing environment. PSWN focuses on the promotion of mental health and prevention of and intervention of mental illness. A referral flowchart was created to streamline the process of referral of students in mental crisis which included the use of UP Lift, a patented, locally developed mental health support app.

The UP Manila Staff Development Program included **Awakening Seminars**, an intensive program dealing with relationship building, communication processes, and conflict management in the workplace. The overall philosophy of the program is grounded on the cultural context that with clear and standard office procedures, communication processes, and smooth inter personal relationship among the personnel, productivity and improved performance can be achieved.

With increasing health care expenses, the previously approved one-time Financial Assistance Program for Hospitalization Expenses (FAPHE) of P200, 000.00 was no longer sufficient. In response, UP Manila awarded each employee a maximum **P100,000.00 Health Benefit Fund** every year which can be used to pay for confinements within the year. This eventually became eHOPE and was adopted UP systemwide.

Bandwidth was improved. Remote access to the UP Manila libraries was introduced.

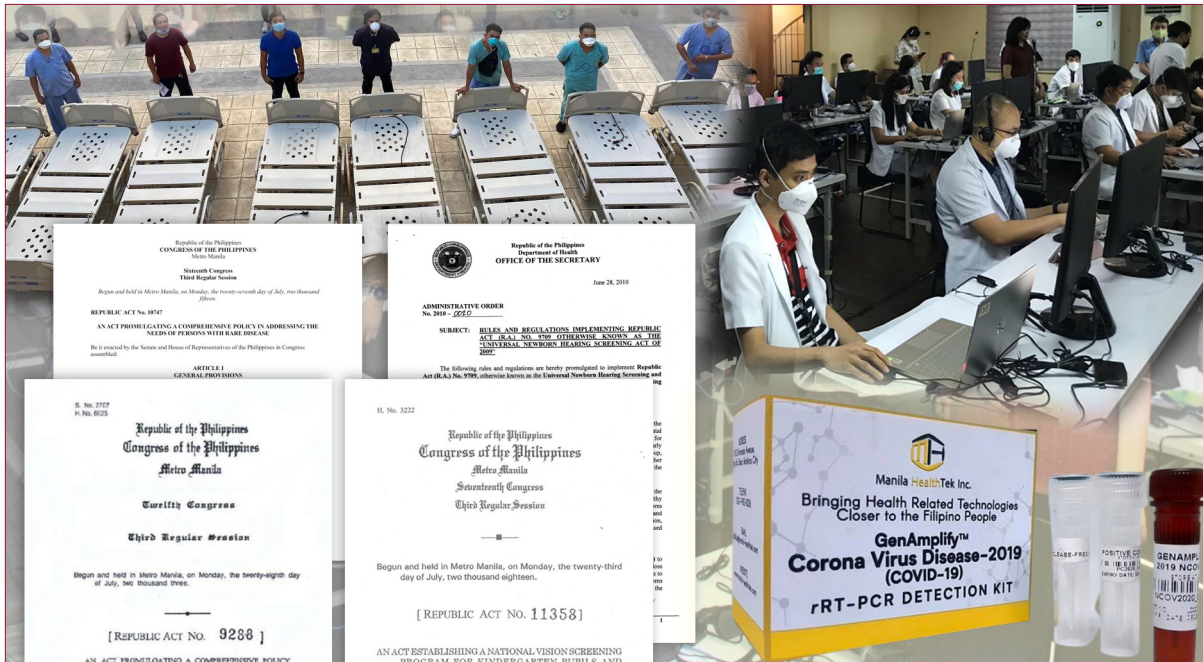
In response to COVID, **webinars** were hosted to prepare the community for the New Normal.

The following were introduced:



- Automated Payroll System**
- Checkless/Cashless System of Payments and Collection**
- One-stop Clearance for Retirees**
- Work From Home Guidelines**
- Online DTRS, BESTS, and computer/connectivity assistance**

Heightened Individual and Institutional Extension Service



The UP Manila community continues to demonstrate its strong sense of nationalism and a passion to serve the country through the various engagements. UP Manila continues to serve as academic partner of the Department of Health in the implementation of:

RA 11358
National Vision Screening Act of 2019

RA 10747
Rare Disease Act of 2016

RA 9288
Newborn Screening Act of 2004

RA 9709
Universal Newborn hearing Screening and Intervention Act of 2009

At the Senate and the House of Representatives, UP Manila has contributed **position statements** on health bills. UP Manila has also taken the initiative towards promoting a more comprehensive public

health approach to the addiction problem in our country. A multi-disciplinary **Technical Working Group on Addiction Sciences** has been created. Through the leadership of this group, our University has partnered with relevant government, academic and non-government organizations to form the **Asian Center for Drug Policy**. Through these efforts, our university shall be at the forefront of advocacies to combat various forms of addiction.

UP Manila is a major player during national emergencies, COVID-19 being the most recent:

- The participation of NIH in the development of COVID-19 kit
- The hosting of 2 COVID-19 testing laboratories (NIH and PGH)
- The offering of the Biosafety training seminars by NIH National Training Center for Biosafety & Biotechnology
- The designation of PGH as a COVID Referral Center
- The setting up of the Bayanihan Na! Operation Center which had a hotline 155-200.

EXCELLENCE IN

Academics and Research



UP Manila's pioneering and cutting-edge academic programs and researches are dedicated to improving health and health care delivery. The past six years have witnessed the university intensify the pursuit of this mission year after year to address a range of critical health and public health challenges amid a vastly changing landscape.

With a keener sense of realities in the country's health system and global developments, UP Manila continued to advance in its task of educating, training, and nurturing the next generation of health care practitioners, mentors, researchers, and leaders. Refined and new degree programs that respond to emerging and current societal needs were instituted. The university's ability and authority to influence health professions education, healthcare policy formulation and practice; and catalyze innovations and technologies were fully harnessed and stepped up.

The ASEAN integration in 2015 prompted UP Manila to prepare its academic community to

produce graduates with critical thinking skills and who are deeply equipped to solve the problems and challenges of the future. The Covid 19 pandemic attested to UP Manila's swift and systematic response to the need to shift and adapt to remote and flexible learning approaches but mindful of the health students' need for patient exposure and clinical learning.

Meanwhile, UP Manila's research program brought together groundbreaking initiatives and collaborative approaches towards providing relevant solutions to pressing health problems. The years in review chalked up significant research breakthroughs that were translated into major health policies and programs, medical devices and diagnostic kits, herbal and medicinal products, e-health tools and systems, educational and reference materials, and further vital areas and topics for research. The Covid 19 pandemic provided more opportunities to contribute to health through researches on trials for existing drugs, supplementary/adjunct treatments, development of devices and PPEs, and other vital topics.

AT A GLANCE

- Developed and offered **three new graduate programs - PhD in Health Sciences by Research, PhD in Health Sciences by Publication, and Doctor in Health Professions Education.**
- Procured a second Learning Management System, **CANVAS**, to ensure the implementation of remote learning opportunities.
- Continued construction of the **19-storey National Institutes of Health** to provide a permanent home to the 14 NIH research institutes and centers and 19 study groups.
- Created and expanded the **Technology Transfer and Business Development Office (TTBDO)** and Office of International Linkages for greater academic and research collaboration and translation.
- Implemented the BOR-approved separation of the offices of the **NIH Executive Director** and the **Vice Chancellor for Research.**
- Restructured the **Research Grants Administration Office (RGAO)** to assist investigators in grants application and coordination with research agencies.
- Enactment of Republic Act 10747 or the **Rare Disease Act** and Republic Act establishing a **National Vision Screening Program for Kindergarten Pupils.**
- **High research citation scores** in clinical, health and pre clinical areas that contributed to the higher ranking of UP in world and global university rankings from 2018-2020.
- **Maintained outstanding performance** of graduates in the health licensure examinations and UP Manila's distinction as a top performing health university.

FAST DATA

Total amount of **Research Dissemination Grants** to faculty members

P15,196,804.00

P9,067,455 in 2015-2017

↑ 67%

Total amount of **Faculty Development Grants** to faculty members

P7,051,916.00

P3,634,497.22 in 2015-2017

↑ 94%

Total cost of **Academic Program Improvement-funded Projects** granted to UP Manila

P32,985,357.00

P21,114,176.00 in 2015-2017

↑ 56%



6,552

Total **registered researches** with the Research Grants Admin Office from 359 in 2014-2017; **216** studies are COVID-related



25

Number of **position statements on health bills** prepared for Senate and Congress



103

Technology disclosures being prioritized for **patenting, commercialization, utilization, and creation** of spin-offs and start-up companies



520

Total **INBOUND** students
↑62% from 2014-2016



101

Total **INBOUND** faculty
↑71% from 2014-2016



284

Total **OUTBOUND** students
↑99% from 2014-2016



76

Total **OUTBOUND** faculty
↑23% from 2014-2016

Top Licensure Exam Performer and Contributor to UP's Rise in World Rankings

Citations are increasingly used as indicators in research performance that reflect the quality and impact of the research to society. The “citation scores” are based on the frequency of a university’s researches being cited in other research outputs, such as international journals, and indicates the impact or influence of the research projects.

Its high research productivity and integrity enabled UP Manila to post high citation scores in the clinical, health and pre-clinical areas that contributed to the higher rankings of UP

in the Times Higher Education (THE) World University Rankings in 2018 and 2019.

With a score of 98.8 in 2019 and 91.9 in 2020 and ranked 7th and 8th, respectively, UP outranked prestigious universities, such as Harvard University, University of Oxford and Stanford University.

UP ranked 95th in the Asia University Rankings for 2019, 501 to 600th for the World University Rankings and 126-150th for the subject of clinical and pre-clinical health.

RANKING FOR CITATIONS SCORES: CLINICAL, PRE-CLINICAL, AND HEALTH

2018		2019		2020	
1. Anglia Ruskin University, UK	100.0	1. Tokyo Metropolitan University, Japan	100.0	1. Metropolitan Autonomous University, Mexico	97.7
2. University of California, Berkeley	98.9	2. Auckland University of Technology, New Zealand	99.6	2. University of Canberra, Australia	94.1
3. Tokyo Metropolitan University, Japan	98.9	3. Metropolitan Autonomous University, Mexico	99.5	3. Pontifical Javeriana University, Colombia	94.0
4. St George's, University of London	97.0	4. Jordan University of Science and Technology	99.4	4. Jordan University of Science and Technology	93.8
5. University of Oxford	93.8	5. University of Canberra, Australia	99.2	5. Howard University, USA	93.7
6. Washington University in St Louis	96.4	6. Anglia Ruskin University, UK	99.1	6. Auckland University of Technology, New Zealand	93.0
7. Howard University	96.2	7. University of the Philippines, Philippines	98.8	7. Brighton and Sussex Medical School, UK	92.9
8. Queen Mary University of London	95.9	8. Brighton and Sussex Medical School, UK	98.6	8. University of the Philippines, Philippines	91.9
8. Stanford University	95.9	9. Pontifical Javeriana University, Colombia	97.4	9. Anglia Ruskin University, UK	90.5
10. University of Cambridge	95.6	10. University of Lorraine, France	95.3	10. Nova Southeastern University, USA	86.0
48. University of the Philippines	87.5				

The UP Manila graduates' exemplary [performance in every licensure examination](#) during the past six years attests to its excellence and relevance as a leading health university. This outstanding record has earned for UP Manila the honor of being a consistent top performing school for medicine, nursing, dentistry, pharmacy, occupational and physical therapy, posting 100% or almost 100 percent passing rates over the years. The distinction complements the graduates' tools in their hands to be great future health leaders and practitioners and affirm their significance as health professionals who have pledged to serve our people and our country.



Faculty and research staff incentives to enhance excellence

For the period Nov 2014 – August 2020, financial support was given to the faculty and research staff through the grants supervised by the Office of the Vice Chancellor for Academic Affairs. These include Research Dissemination Grants, Faculty Development Grants, Publication Award, and Publication Fees. These grants are meant to improve research productivity and enhance their skills and excellence as teachers and researchers.



Research Dissemination Grants and Faculty Development Grants

The Research Dissemination Grants (RDG) and Faculty Development Grants (FDG) are given to faculty and research staff for producing quality researches and as incentives for oral or poster presentation of such researches in national and international conferences.

The total amount granted from November 2014 to August 2020 was P15,196,804 for the RDG and P7,051,916 for the FDG with the amount granted from 2014 to 2017 for each type of grant 48% and 39% higher, respectively, than the amount granted from November 2011 to October 2014. Undergraduate and graduate students were also provided with funding support for paper/poster presentation or attendance in national and local conferences and training courses.

RESEARCH DISSEMINATION GRANTS FROM NOV 2014 TO MARCH 2020*

COLLEGE/ UNIT	2014-2017		2018-19 (Jan-Dec), 2020 (Jan-March)	
	No. of Recipients	Amount	No. of Recipients	Amount
CAMP	13	757,994.84	6	312,042.63
CAS	44	2,642,548.74	27	2,114,925.96
CD	8	443,421.94	9	771,760.22
CM	22	1,619,244.18	15	1,279,797.76
CN	9	792,525.22	5	283,619.89
CP	5	277,521.01	1	33,506.34
CPH	20	1,035,121.22	5	193,192.56
NIH	1	99,879.84	9	753,576.83
NTTCHP	1	87,520.15	4	270,713.96
SHS	17	1,220,997.40	1	116,222.00
UL	1	90,671.40		
TOTAL	141	P 9,067,445.94	82	6,129,358.15

*Quarantine restrictions due to COVID-19 pandemic temporarily stopped the granting of the incentive

FACULTY DEVELOPMENT GRANTS FROM NOV 2014 TO MARCH 2020*

COLLEGE/ UNIT	2014-2017		2018 (Jan-Dec), 2019 (Jan-Dec), 2020 (Jan-March)	
	No. of Recipients	Amount	No. of Recipients	Amount
CAMP	2	158,799.36	6	302,962.29
CAS	5	934,102.86	11	442,435.27
CD	10	349,207.62	9	297,461.53
CM	22	1,203,612.26	11	818,036.78
CN	8	337,890.26	11	376,918.8
CP	7	84,551.96	2	15,699.11
CPH	0	0	12	700,991.59
CHDP	4	63,205.31	1	20,877.15
NIH	1	72,509.25	6	400,777.59
NTTCHP	9	430,618.34	0	0
SHS	0	0	2	41,259.37
TOTAL	78	P 3,634,497.22	72	P 3,417,419.51

*Quarantine restrictions due to COVID-19 pandemic temporarily stopped the granting of the incentive

Publication Award

Two other forms of incentives provided to the faculty are Publication Award and Publication Fee. The Publication Award is for faculty members who publish original papers, reviews, case reports, full text of oral presentations and advocacy articles. The Publication Fee Award is for faculty and researchers whose papers are accepted for publication in an ISI or scopus-indexed journal and publication requires a fee.

DATA ON PUBLICATION AWARD AND PUBLICATION FEE GRANTED FROM NOV 2014-MARCH 2020*

COLLEGE/ UNIT	PUBLICATION AWARD				PUBLICATION FEE			
	No. of Recipients		Amount		No. of Recipients		Amount	
	2014- 2017	2018- 2020	2014-2017	2018-2020	2014- 2017	2018- 2020	2014-2017	2018-2020
CAMP	5	7	67,500.00	92,863.63	0	0	0	
CAS	20	31	306,142.85	727,574.02	8	6	96,471.95	82,888.61
CD	4	2	90,000	45,000	0	0	0	
CM	37	20	486,163.68	256,299.95	2	3	16,516.15	38,779.15
CN	11	5	183,750.00	122,142.85	0	0	0	
CP	19	2	289,642.86	22,500.00	0	1	0	13,138.50
CPH	16	9	213,750	49,971.52	0	1	0	12,481.92
NIH	3	1	52,500	15,000	0	1	0	52,965.20
NTTCHP	2	0	262,500		0	0	0	
SHS	13	0	60,000		5	0	107,349.54	
TOTAL	130	77	P2,011,949.39	P1,331,351.97	15	12	P 220,337.64	P200,253.38

*Quarantine restrictions due to COVID-19 pandemic temporarily stopped the granting of the incentive



ACADEMIC PROGRAMS

UP Manila’s academic programs focus on developing the students’ competencies and outcomes and critical thinking and applied problem-solving skills needed to address a wide variety of problems and challenges throughout the health care delivery and public health systems. The shift to an Outcome-based Education (OBE) for the teaching of all health professions courses was a major strategy towards this goal.

As a stronger response to the call of the World Health Organization for a transformative scale up of health professions education, UP Manila accelerated efforts to increase the quality and relevance of the health professionals it educates for greater impact on health. This is being continuously done through regular reviews of its curricular programs for responsiveness and attunedness to societal needs, reframing and modification of the General Education (GE) program as part of a UP System initiative to harmonize all GE courses across its campuses, continued pursuit of accreditation and quality assurance as tools for quality management, and widening and intensifying its linkages and networks.

Curricular Review and Revision of Degree Programs

In light of the internationalization of higher education in the ASEAN region, the full implementation of the K-12 program, and the new General Education (GE) framework, the various colleges of UP Manila reviewed and revised their curricular programs.

The years also witnessed the implementation and transition to Outcome-based Education as mandated by Executive Order 83: The Philippine Qualifications Framework and the Commission on Higher Education [CHED] Memorandum Order (CMO 46) in 2012. Revisions consisted of developing the University Virtual Learning

Environment, an online learning management system. A recent online learning platform, CANVAS being used by other prestigious universities was adopted with trainings conducted for faculty members and students.

These curricular revisions were endorsed by the UP Manila Curriculum Committee, and subsequently approved by the UP Manila University Council (UC). With the Office of the Vice President for Academic Affairs’ green light, these curricular changes were implemented beginning Academic Year 2018-2019.



a. College of Allied Medical Professions (CAMP)

- Bachelor of Science in Occupational Therapy
- Bachelor of Science in Physical Therapy
- Bachelor of Science in Speech Pathology

b. College of Arts and Sciences (CAS)

- Bachelor of Arts in Philippine Arts
- Bachelor of Science in Biology
- Bachelor of Arts in Development Studies
- Bachelor of Arts in Social Sciences (Area Studies)
- Bachelor of Arts in Political Science
- Bachelor of Science in Applied Physics
- Bachelor of Science in Biochemistry
- Bachelor of Science in Computer Science
- Bachelor of Arts in Behavioral Sciences

c. College of Dentistry (CD)

- Doctor of Dental Medicine

d. College of Medicine (CM)

- Bachelor of Science in Basic Medical Sciences (Intarmed)

e. College of Nursing (CN)

- Bachelor of Science in Nursing

f. College of Pharmacy (CP)

- Bachelor of Science in Pharmaceutical Sciences
- Bachelor of Science in Pharmacy

g. College of Public Health

- Bachelor of Science in Public Health

h. School of Health Sciences

- Bachelor of Science in Nursing (Ladderized Program)

Revised General Education Program

A major revision of all the undergraduate programs is the adoption of the approved GE courses by the UPM University Council in its meeting on February 9, 2016 consistent with the new UP General Education Program in the 21st century that is anchored on the UP GE Framework:

- Rearticulates liberal education for the Filipino as the bedrock of the UP (GE) program.
- Affirms that the UP GE program must be liberal, holistic and integrative in orientation, developing not only measurable skills or competencies but, equally important, the capacity for, and capabilities in critical and creative thinking and action.
- Aims to develop leadership characterized by integrity and honor, excellence, and public service — the hallmarks of a UP education. It will provide students with a broad foundation of study that will: broaden intellectual and cultural horizons;
 - hone critical and creative thinking;
 - develop a passion for learning and scholarship;
 - cultivate a high sense of intellectual and moral integrity; and
 - foster a commitment to nationalism and social justice.



From 2014 to 2020, 11 new GE courses were approved from which students may choose six or a total core GE of 18 units:

1. Ethics & Moral Reasoning for Everyday Life
2. Kasaysayan ng Pilipinas
3. Critical Perspectives in Communication
4. Wika, Kultura at Lipunan
5. Mathematics, Culture & Society
6. Science, Technology & Society (STS)
7. Critical Perspectives in the Arts
8. Philippine Arts and Culture
9. Self and Society
10. Living Systems: Concepts and Dynamics
11. Probing the Physical World

Academic Assessment and Development Program (Quality Assurance)

Program-Level Self-Assessment

The College Self-Assessment Reports (SARs), the first step to quality assessment prior to local and/or international accreditation aimed to identify the colleges' strengths and areas for improvement in the delivery of quality education and other services. Following the UPM AAD/QA orientation in 2018, the SAR has integrated the 11 AUN-QA criteria, which are used by the colleges in evaluating their respective degree programs. The UPM AAD/QA has received the NTTC-HP institutional PAASCU self-survey report*, as well as the 13 Program Level Self-Assessment Reports/equivalents.

COLLEGE	PROGRAM/S
CAS	BS Biology* BS Biochemistry* BS Applied Physics* BS Computer Science* BA Development Studies BA Social Science (Area Studies) BA Political Science BA Behavioral Science BA Organizational Communication BA Philippine Arts*
CD	Doctor of Dental Medicine
CP	BS Pharmaceutical Sciences* BS Pharmacy*

*Among the received SARs, eight (8) have already been endorsed to the UPM AAD Core Committee for review.

Program-level Accreditation

To date, there are 17 recorded accreditation statuses conferred across the UPM colleges three of which were granted recently. The UPM assessment standards have taken a step higher by integrating international standards, such as the AUN-QA in its own framework. This facilitates student mobility within the ASEAN region and ensures that the different degree programs offered in UPM are benchmarked with higher educational institutions in the region.

COLLEGE	PROGRAM/S	ACCREDITING/ASSESSING BODY
CAMP	Bachelor of Science in Occupational Therapy (WFOT-approved education programme) <i>*will apply for PAASCU accreditation by 2021</i>	World Federation of Occupational Therapists
CAS	Bachelor of Arts in Behavioral Sciences (Level I) Bachelor of Science in Biochemistry (Level I) Bachelor of Science in Biology (Level I) Bachelor of Science in Biology (Center of Development) Bachelor of Science in Computer Science (Level I)	PAASCU PAASCU PAASCU CHED PAASCU
CM	Doctor of Medicine (Center of Excellence) Doctor of Medicine (Level IV) Doctor of Medicine (AUN-QA Certified)	CHED PAASCU Asean University Network-Quality Assurance
CN	Bachelor of Science in Nursing (Center of Excellence) Bachelor of Science in Nursing (Level II)	CHED PAASCU

COLLEGE	PROGRAM/S	ACCREDITING/ASSESSING BODY
CP	Bachelor of Science in Pharmacy (Level III) Bachelor of Science in Industrial Pharmacy (Level III)	CHED PAASCU
CD	Considering reapplying for PACUCOA	
NTTCHP	<i>Will apply for PAASCU accreditation by 2021</i>	

Orientation and Trainings on Quality Assurance

The two-day Orientation-Workshop on Quality Assurance held on 6-7 Nov 2018, hosted by the OVCAA, aimed to formulate an efficient quality assurance system for UP Manila. It trained QA focal persons and alternates to plan and implement the said system in their respective units.

For the Accreditor/Assessor Training and Workshops, UP Manila emphasized quality assurance and strengthened its QA network by supporting the participation of the faculty in the AUN-QA trainings and workshops. For the past three years, all colleges have attended at least one AUN-QA-related training. To date, UP Manila has at least 23 QA-trained faculty; some being certified AUN-QA assessors who have led and participated in the assessment of degree programs of universities in Southeast Asia.

ACCREDITING/ASSESSING BODY	TYPE AND/OR LEVEL OF TRAINING	DATE/DURATION OF TRAINING	PARTICIPATING COLLEGE/S
AUN-QA	Tier 1	Mar 2019 Apr 2019 May 2019 Jul 2019	CM, CD, SHS CN, CAS, SHS CAS, CPH, CD CAMP, CAS, CPH
	Tier 2	1-7 Dec 2017 31 Oct - 6 Nov 2019	NTTC-HP CM
	Tier 3	12-27 Mar 2017	CAS
WIU	WIU's 2018 Assessment Institute	Jul - Nov 2018	CAS
PAASCU	PAASCU (Medicine)	18 & 19 Sep 2018	CM
PACUCOA	PACUCOA Accreditor for Pharmacy Program (both undergraduate and graduate)	Ongoing	CP
UP System	Quality Assurance Training for UP Faculty	11 - 14 Nov 2019	CAMP, CAS, CN, CP, CM

Academic Program Improvements

Academic Program Improvement (API) funds are meant to strengthen the link and integration of education, research and creative work, and public service. Its utilization is guided by certain policies to ensure that the funds provide greater impact to the various academic units in their pursuit of academic excellence.

The objectives of the API are to: 1) develop excellent research, innovation, and creative work-enriched academic programs; 2) develop excellent academic programs that would be the basis for knowledge-based public service and public policies; 3) review and improve the academic content of courses and curricular programs, in relation to the constituent unit's (CU) niches, national priorities, recent

discoveries or developments in the discipline, etc.; 4) improve teaching-and-learning pedagogy of academic degree programs by exploring innovative methods; 5) develop high quality academic degree programs that meet national and international quality assurance standards.

For 2014 to 2017, the total API funds granted to the different colleges was P18,063,622.50. Below is the summary of the API funds granted to the colleges per category for 2018-2020:

API PROJECTS APPROVED FOR 2018-2020 AS OF JULY 2020	
Focus and Priority Activities of the API Funds	Total Approved Amount
Planning for faculty development vis-a-vis planning of teaching, research, creative work, administrative, and public service activities of the unit	P1,008,000
Planning to enhance UP Manila's academic excellence through program and institutional academic assessment initiatives, also referred to as quality assurance (QA) initiatives; and the implementation of such academic assessment and development plans	P3,468,284
Development and improvement of curricular programs, which focus on content, pedagogy, and assessment of GE courses, undergraduate major courses and postgraduate courses	P3,116, 960
Planning and training to produce research, creative work, policy publications, and other new knowledge output	P921,190
Planning and training to forge linkages with international collaborators, industries, and government agencies (e.g., research collaboration strategies, on-the-job trainings (OJTs) of students, externships of faculty)	P349,300
Planning and training to mainstream IT/new technology for enhanced pedagogy	P6,058000
TOTAL	P13,914,742



New Graduate Programs

Three new graduate programs were developed and offered. These are the Ph D in Health Sciences by Research approved by the Board of Regents during its meeting on 23 February 2017, Ph D in Health Sciences by Publications approved by the BOR on February 4, 2019, and Doctor of Health Professions Education (DrHPed) approved by the BOR on July 30, 2020. For the first program, two health professionals, one an obstetrician-gynecologist and another, an Occupational Therapist, consisted the first batch of graduates with their research dissertations in the field of health social science.

The programs aim to produce health professionals who are highly competent and skilled in health research, and educational leaders proficient in advancing and managing educational institutions and maximizing the benefits of research in addressing the country's health problems (*please see detailed description below*).

Eight other programs are now being modified based on comments made by the Office of the Vice President for Academic Affairs to be presented in the next University Council meeting. The programs are MD-PhD, MS Biochemistry, MS Pharmacology, MS Pharmaceutical Sciences, MS Social Administrative Pharmacy, M Occupational Health, Master in Health Professions Education, and Master of Arts in Health Professions Education.

PhD in the Health Sciences by Research

The program addresses the lack of human resources who will utilize grants to sustain and create a health research culture to ensure health for all Filipinos, and encourage health professionals, researchers, and scientists in pursuing a higher degree of learning, particularly with an interdisciplinary orientation. The graduates of the program are expected to lead the country's efforts in discovery, research, innovation, and scientific advancement that will address the health issues of developing countries, form part of academe, and produce future scientists as well.

Moreover, the program is focused on the scientific investigation and knowledge discovery, centered on independent study, sustained and skilled research effort, and scientific publication. It is designed to be more flexible and enabling, in contrast to the regular PhD courses. It is also interdisciplinary in nature and cuts across the different expertise in the health sciences. The program provides an opportunity for outstanding students with a master's degree or its equivalent in the health and allied health professions to achieve high level of scholarship and academic excellence through research and publication in the field of the health sciences.





PhD in Health Sciences by Publication

The first of its kind in UP and the country, the PhD by Publication in the Health Sciences is a research degree intended for mid-career academics who have contributed a sizable amount of new knowledge in their respective fields in the health sciences. These academics, while pursuing various careers, must have continued pursuing their research vigorously, be recognized in the research area they have specialized in, and must have published in both international and local indexed scientific literature.

Currently, UP Manila offers mostly professional degrees in health, such as medicine, pharmacy, allied medical professions, dentistry, nursing, and public health. While our health professionals and those from other universities stayed in the academe to practice their areas of specialization, some continue to actively engage in research. In this era when research recognized by the scientific community is considered the mark of excellence, the graduate program provides another path towards scholastic advancement for health scientists. The program covers four research areas: Biomolecular and Pharmacological Research, Ecotoxicological and Environmental Health Research, Health Social Science Research, and Clinical Research.

Doctor of Health Professions Education

The DrHPed follows the mandate of the University of the Philippines and NTTCHP to produce health professions educators, educational leaders, and researchers who can competently manage health science educational and training institutions of the 21st century. The DrHPed follows a reconstructionist philosophy. It will provide students with expanded opportunities to explore their individual professional, instructional, and organizational contexts as health professions educators. It will develop critical thinking, self-reflection, and innovative thinking through presentation of real issues and challenges.

The program is outcome-based education in design and will be delivered in a flexible learning platform. Graduates will be health professions educators with “professional leadership for innovation, research and/or development management in highly specialized or multidisciplinary field, with full independence in individual work and in teams of multidisciplinary and more complex setting that demands leadership for research and creativity and with significant level of expertise-based autonomy and accountability.” (Republic Act 10968: the PQF Law and Policies, Standards and Guidelines for Graduate Programs (CHED MO 15, 2019).

Upon completion, graduates are expected to be:

1. Health professions education scientists who conduct independent research and contribute new knowledge, methodologies, and technologies
2. Health professions educational leaders and managers who can address the challenges of the 21st century higher education institutions
3. Agents of transformative learning

Linkages



The creation of the Office of International Linkages (OIL) in 2015 ensured a more dynamic leadership and management of the university's collaborative programs with national and international universities and organizations. Covered are the following activities: Student Exchange Agreement, Faculty Exchange Agreement, Research and Development Collaboration Agreement, Articulation Agreements, Post Graduate Training Agreement, Program Service Provider Agreement, Partnership Conference Agreement, and Academic Consortium Agreement.

OIL serves as a liaison between UP Manila and the world by facilitating global educational experiences and opportunities for study, research, and other academic activities outside of the Philippines. These undertakings foster critical thinking, intellectual and social growth, knowledge and experiences for professional success, and responsible global citizenship that redounds to the benefit of the Filipinos. OIL continued to strengthen existing linkages with international academic institutions and explore opportunities to collaborate with new institutions. At present, the various colleges in UPM have established links and/or are members of international networks, such as the ASEAN University Network (AUN), Asia-Pacific Rim of Universities (APRU), and ASEAN-European Academic University Network (ASEA-Uninet). As of July 2020, 40 new MOUs/MOAs were processed and signed with foreign universities and institutions and a total of 80 active agreements that were established with 70 foreign universities/organizations.



AUN 2nd International Health Promotion Conference

The 2nd International Health Promotion Conference: Moving towards Healthy Universities in Asia, jointly hosted by the ASEAN University Network (AUN) and the University of the Philippines (UP) on 20-22 August 2019 aimed to develop AUN member-universities to become health-promoting universities by sharing their knowledge and experiences on health promotion. The gathering also highlighted the need for collaborative approaches in the implementation of the “Healthy Universities Framework” that covers healthy staff and students, environmental and physical aspects, capacity building, health promotion and research, and commitment and leadership.

The conference was attended by 300 participants from AUN and non-AUN universities composed of educators, researchers, administrators, and students. It facilitated new collaborations and exchange of research findings in specific areas of concern, thus increasing the number of cross-national comparative studies and formulation of needed policy guidelines.

OIL-administered Programs

For UP to actively participate in the internationalization/globalization arena well-prepared, ready for productive and beneficial partnership/engagement, the following programs were spearheaded: University of the Philippines’ Mobility for Vigor and Excellence (MOVE UP) and Continuous Operational and Outcomes-based Partnership for Excellence in Research and Academic Training Enhancement (COOPERATE), Research/Creative Work Presentation in International Conferences (Travel Grants), UP System and Constituent Unit (CU) Hosted International Conferences, and World Expert Lecture Series. The total amount granted as of July 2020 was P5,934,647 with 36 UPM recipients.

OIL ADMINISTERED PROGRAMS		
Program	Number of Approved Grants	Amount
MOVE-UP	9	P187,2670
COOPERATE	2	P777,660
Travel Grant	5	P358,431
WELS	13	P1,708,245
Hosting	7	P1,217,640
TOTAL	36	P5,934,647

UP Manila as Major Partner of DOH, DOST, and DSWD

The DOH's National Health Objectives and DOST-PCHRD's Essential National Health Research provide the framework for the academic and research programs of UP Manila.

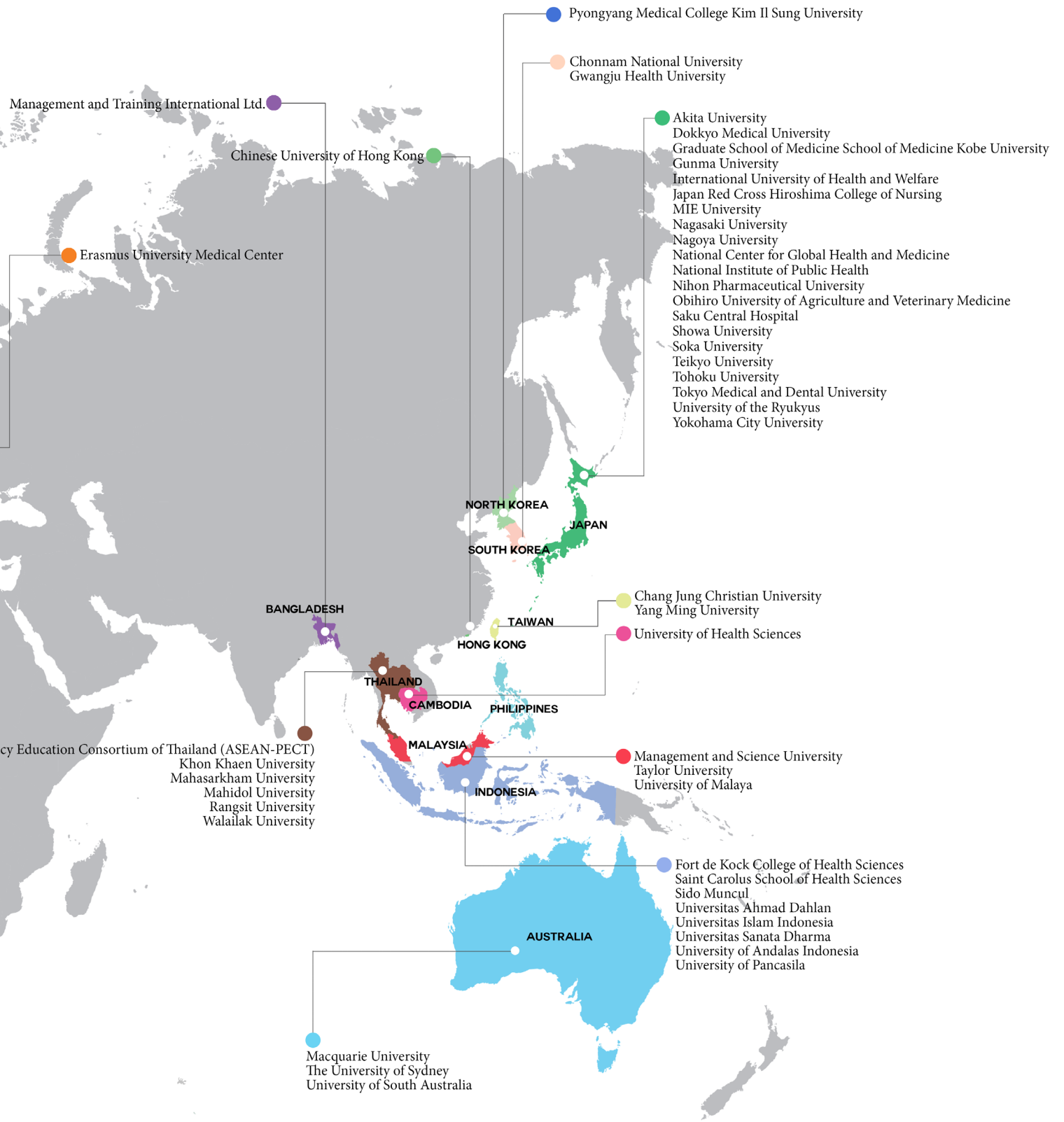
UP Manila is the partner of DOH in implementing the following programs:

- **RA 11358** (National Vision Screening Act of 2019)
- **RA 10747** (Rare Disease Act of 2016; RA 9288 (Newborn Screening Act of 2004)
- **RA 9709** (Universal Newborn hearing Screening and Intervention Act of 2009).

UP Manila, through the College of Public Health and SHS, implements the following DOH programs:

- Health Leadership and Governance Program (HLGP) and in cooperation with the Zuellig Family Foundation (ZFF), to strengthen health leadership and governance among municipalities and provinces across the country. Modular trainings supplemented by coaching and monitoring sessions during practicum are being provided to local chief executives and their health chiefs by identified academic partners in different regions;
- Municipal Leadership and Governance Program (MLGP), to date, the MLGP has trained a total of 300 local chief executives, municipal health officers, and municipal local government operations officers from different municipalities of Northern Mindanao who will assist DOH in improving health outcomes, enhancing local health systems and increasing community participation through its Council for Health Development offices
- The modular Master of Public Health program for 160 Doctors to the Barrios of the DOH composed of six modules that run for 18 days each, spread out within the two years of the DTTB deployment that include field practice assessments similar to the regular MPH program with faculty visits to implementation sites.
- Training program for sanitary inspectors from the previous six-month National Sanitarian Training Program which is the only official training program in the country for sanitary inspectors.





Local Linkages

De La Salle Health Science Institute

St. Paul University

St. Louis University - Baguio
University of the Cordilleras

Philippine Carabao Center

Happy Talkers Learning Hub
Healthcare Without Harm
Holy Angel University - Pampanga

Camarines Sur Polytechnic College

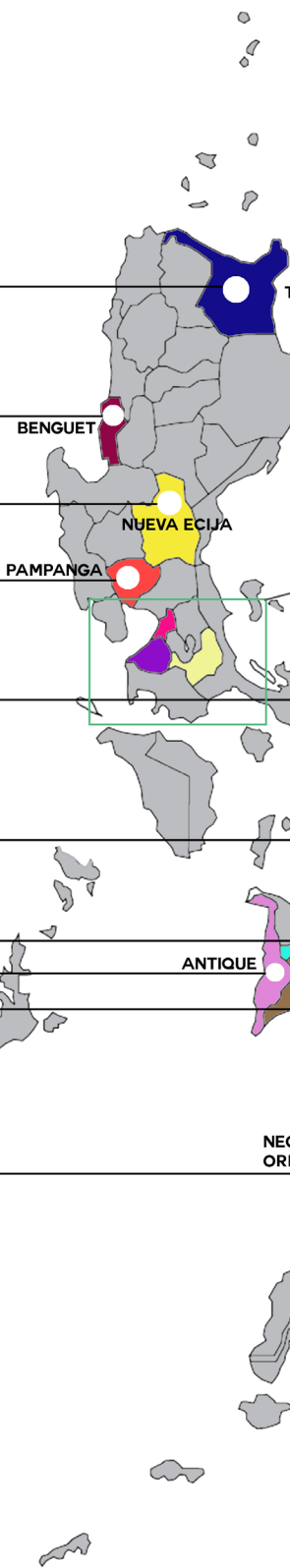
Association of Deans of Philippines College of Nursing, Inc, Eastern Visayas

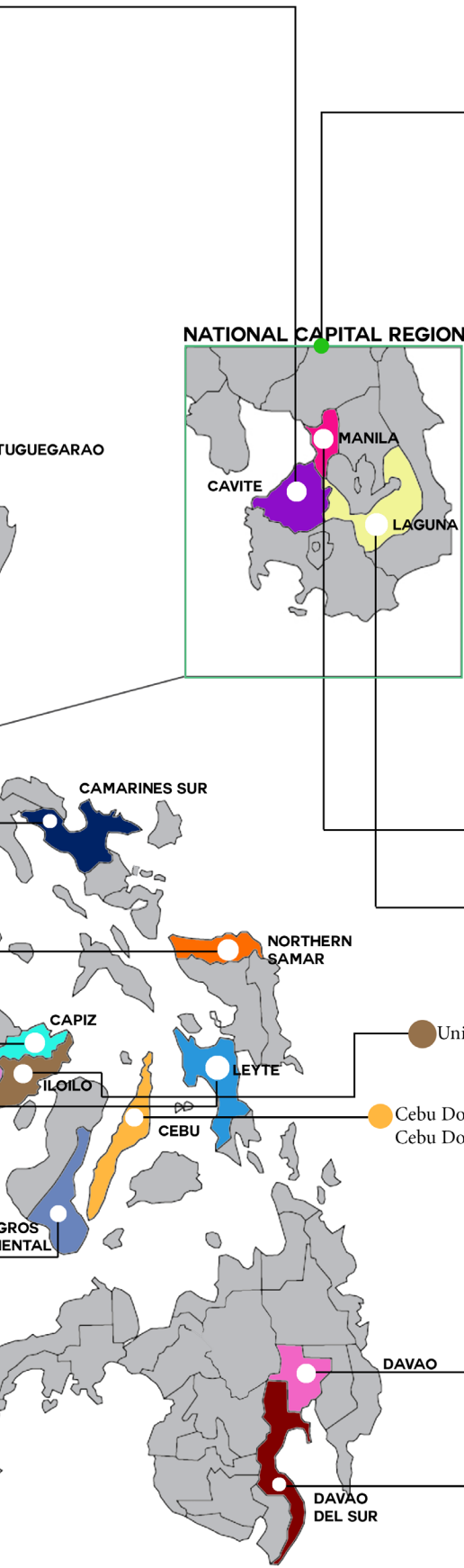
College of St. John - Roxas

Divine Word Hospital Tacloban City
Eastern Visayas Health Research and Development Consortium
Eastern Visayas Regional Medical Center
Leyte Provincial Hospital
Local Government Unit of Babatngon Leyte
Local Government Unit of Dagami Leyte
Local Government Unit of Pastrana Leyte
Local Government Unit of Tabon-tabon Leyte
Pediatrics Society of the Philippines Tacloban Chapter
Philippine Academy of Family Physicians Tacloban Chapter

St. Anthony's College

Foundation University
Silliman University





- Arellano University
- Association of Philippine Medical Colleges, Inc.
- Ateneo Jesuit Health and Wellness Center
- Bureau of Animal Industry
- Capitol Medical Center
- Cardinal Santos Medical Center
- Core Skills Therapy Center
- FEU Nicanor Reyes Medical Foundation
- New Era University
- Our Lady of Fatima University
- Pamantasan ng Lungsod ng Pasay
- Pamantasan ng Lungsod ng Pasig
- Philippine Board of Anesthesiologists, etc.
- Philippine Board of Obstetrics and Gynecology
- Philippine College of Surgeons and Philippine Society of General Surgeons
- Philippine Council for Health research and Development
- Philippine Pediatrics Society
- Philippine Society of Gastroenterology
- Philippine Society of Obstetrics and Gynecology
- Professional Societies in Medicine
- Premier Therapy Provider, Inc.
- San Juan De Dios Educational Foundation
- Southville International School
- Trinity University of Asia
- University of the East Ramon Magsaysay
- Veterans Memorial Medical Center
- Zuellig Family Foundation

- Adamson University
- Association of Philippine Schools of Midwifery
- Child Protection Network Foundation, Inc.
- Chinese General Hospital Manila
- Department of Health
- Emilio Aguinaldo College
- Far Eastern University
- International School Manila
- Jose Rizal University
- KAISAKA
- La Concordia College
- Lyceum of the Philippines University
- Manila Adventist College
- Manila Central University
- Manila Tytana Colleges
- Mary Chiles College
- Mary Johnston College - Philippine Christian University
- Metropolitan Medical Center College
- Pamantasan ng Lungsod ng Maynila
- Philippine Association of Colleges of Dentistry
- Pharmacy Preceptors Guild of the Philippines
- Philippine College of Chest Physicians
- Philippine College of Physicians
- Philippine General Hospital
- Philippine Nursing Association
- Philippine Pharmacists Association (PPhA)
- Philippine Women's University
- Professional Regulatory Board of Medicine
- Southville International School
- Unciano Colleges, Inc.
- University of Perpetual Help College of Manila
- University of Santo Tomas
- Young Pharmacist Group (YPG) - Philippines

Philippine National Health Research System (PNHRS)

UP Manila is one of the core implementers of the PNHRS, along with DOH, DOST-PCHRD, and CHED. Anchored on the principles of the ENHR on inclusiveness, participation, equity, quality and effectiveness, the PNHRS is an integrated national framework for health research in the country formulated in 2013 through Republic Act 10532. It is a convergence strategy that aims to promote cooperation and integration of all health research efforts and stakeholders in the country to ensure that research contributes to evidence-informed health policies and actions. It provides the stimulus and priority areas for UP Manila's research agenda that aims to improve the health status, productivity and the quality of life of Filipinos by:

- Ensuring that health research is linked to the health system needs;
- Ensuring that investments in health research yield the most benefit;
- Promoting good governance among health research organization through efficient, effective, transparent and ethical health research management system;
- Engaging in national and international partnerships and networks for health research development; and
- Ensuring sustainability of resources for health research (Sec. 5, RA 10532).

With the Department of Social Welfare and Development, CPH conducts the **Leadership for Convergence Program** (LCP) geared towards the capacity-building of the department's employees. Under the City and Municipal Action Teams (C/MATs) who are responsible for delivering the social services of the Department to the poor, vulnerable and disadvantaged are being trained on leadership strategies that would aid them in the performance of their duties.



Faculty Workshops and Conferences

Annual Orientation for New Faculty Members

The performance of new faculty members and their commitment to quality and relevant education rely heavily on their understanding and appreciation of the vision-mission, principles, goals and day-to-day operations of the university as governed by international and national framework and principles and university tenets and guidelines. Since 2015, the orientation for new faculty members conducted by the Office of the Vice Chancellor for Academic Affairs, together with the Committee on Instruction, has been expanded to include 1) the roles and functions of the vice chancellors; 2) insights by faculty panelists in performing the three major functions – teaching, research, and public service; 3) faculty rights, benefits, services, privileges, and responsibilities; 4) understanding of outcome-based education (OBE) and instructional design; 3) formulation of outcome-based course designs; and 5) setting up of a valid plan for assessment of student performance.

From 2015 to 2017, a total of 182 new faculty were oriented and 133 for 2018 to 2020. In 2020, given the restrictions of the Covid-19 pandemic, UP Manila will conduct the orientation virtually. The activity is designed to formally welcome the new faculty members into the University community and family.



General Education (GE) Workshops

The GE workshop series, organized by the Office of the Vice Chancellor for Academic Affairs and UP Manila GE Council, are part of the University's faculty development program and efforts to ensure best quality academic courses.

The four-module workshop series provided a channel for faculty members to acquire the proper training and expertise in the implementation of various teaching-learning strategies to achieve the GE learning outcomes.

Module 1: Teaching General Education

Module 2: Making Teaching-Learning Strategies Work for GE

Module 3: Developing Instructional Materials for GE

Module 4: Educational Research and Evaluation of Instruction Towards Continuous Development of the GE Program

Graduate Student Colloquia

With the success of the 1st University-wide Graduate Students Colloquium in 2017, the NGOHS continued with the 2nd Graduate Students Colloquium on April 11-13, 2018 and the 3rd Graduate Students Colloquium on April 10-12, 2019. Apart from promoting a culture of research, the Colloquium also builds the research capabilities of graduate students in improving their thesis/dissertation designs through the guidance of invited experts as well as to motivate them to carry out their thesis promptly and to graduate on time. For the past 3 years of implementation, the holding of the Graduate Students' Colloquium has indeed contributed in increasing the graduation rate while reducing the attrition rate.

Learning Management System for Remote Learning Opportunities

University Virtual Learning Environment (UVLê)

Since 2014, the UP Manila Virtual Learning Environment (VLE) has been the principal platform for the General Education (GE) courses. These VLE courses have within them the UP system-prescribed GE resources.

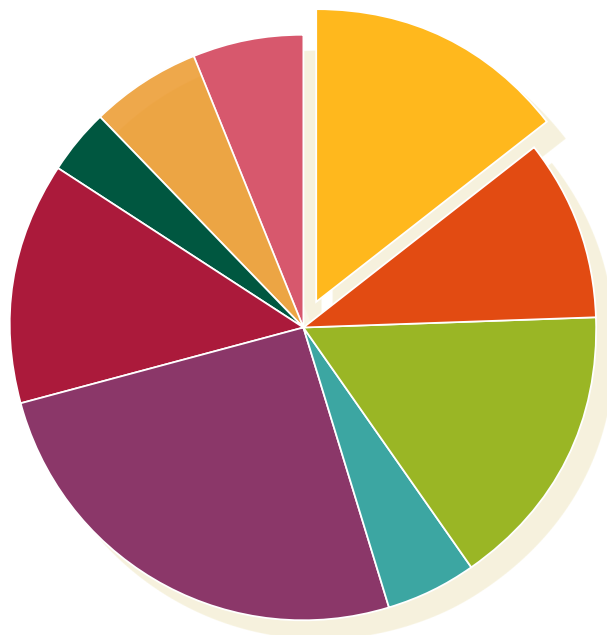
When the Covid 19 pandemic hit, there was an increase in the requests from both students and faculty to get VLE access. An Intractive Learning Center online teaching tool guide was released in March 2020 to help the faculty with emergency remote teaching. The VLE had the Faculty 101 course with its walk through videos and tips for using Moodle tools. More recently, faculty have been requesting for additional Moodle plugins for new ways of teaching using the VLE. The UP Manila Information Management Service (IMS) screens such plugins and ensures that the Moodle version of the VLE is always updated.

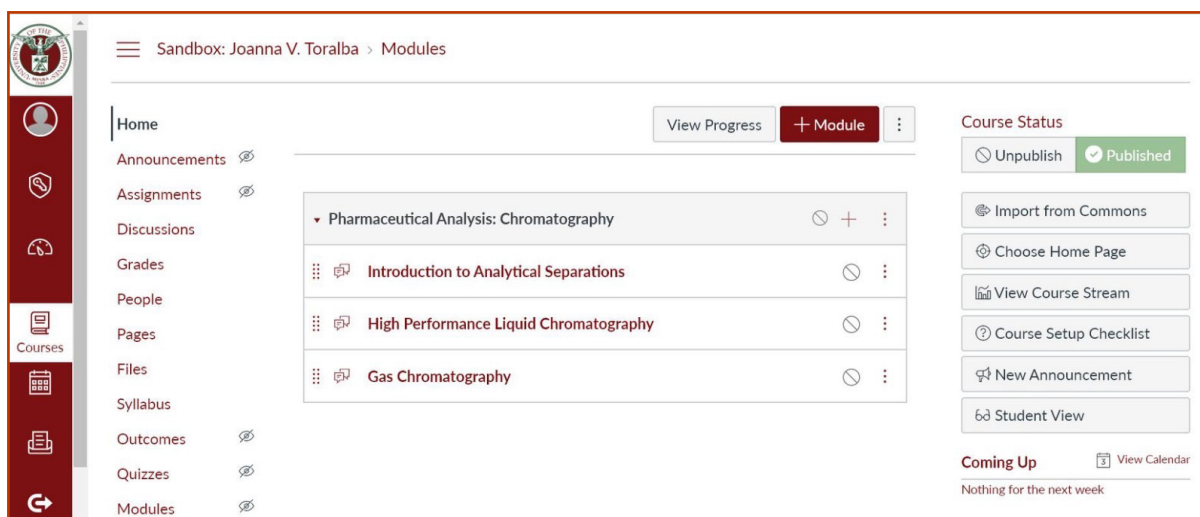
The UP Manila VLE also served as the platform for the UP System Remote Learning Committee's asynchronous course: Course Redesign 101. It was intended to help the UP Manila faculty prepare their course packs. Six hundred fifty UP Manila faculty logged on at least once to this course.

Currently, there are **859** courses on the VLE from the different colleges posting an increase of 250% over the 250 courses in 2014-2017.

COURSES IN VLE:

- NTTC, 125
- CAMP, 85
- CAS, 138
- CD, 43
- CM, 218
- CP, 116
- CPH, 31
- CN, 51
- SHS, 52





Canvas Learning Management System

Beginning first semester of AY 2020–2021, UP Manila constituents can look forward to using Canvas as an additional, alternative, web-based learning management system beginning first semester of academic year 2020–2021. With Canvas, teaching and learning are enhanced; faculty can simplify how they manage courses and facilitate student learning while students can streamline how they access learning materials, plan their learning progress, and effectively collaborate with their peers. The decision for UP Manila to adopt Canvas is timely as the new normal due to the COVID-19 pandemic requires a flexible learning environment allowing online or offline remote learning and, eventually, face-to-face modes. In this flexible learning environment at UP Manila, Canvas will be a platform for varied instructional methods to suit the diverse needs, capabilities, and resources of faculty and students. Such methods may range from low bandwidth, asynchronous methods such as readings or email, to high bandwidth, synchronous methods such as video conferencing; and many options in between, including using collaborative documents, pre-recorded videos, or asynchronous discussions, using mobile phones, tablets, laptops, or desktop computers.

Since Canvas was rolled out to the UP Manila deans last 6 April 2020, 734 faculty members from the different colleges have undergone bootcamp trainings on the fundamentals of Canvas. The trainees were oriented on the Canvas features such as the discussions tool, assignments tool, grading tool (Speed Grader), course analytics, and integration within Canvas of other tools like YouTube, Zoom, Panopto, and Turnitin.

Simultaneously, the faculty of the different departments/academic units embarked on the task of program and course redesign by reviewing and adjusting the curriculum of their various courses consistent with the **OVPAA Memo Nos. 2020-68 and 2020-68A which provided the academic plans and guidelines in the preparations for remote learning in AY 2020-2021.** The course redesign entailed determining the sequencing of course offerings, i.e. what courses can be offered during the first semester via remote learning and those which can be postponed for the second semester; decoupling of lecture and laboratory courses, or offering the lecture in the first semester and the laboratory in the second semester with students receiving a “Deferred” grade in the first semester and getting a final grade once the laboratory component has been completed in the second semester. The course redesign also entailed deciding on the mode of delivery of courses, i.e. remote, face-to-face, blended, etc., and identifying the staff requirements in teaching the courses particularly the hiring of Teaching Assistants/Teaching Fellows, if necessary.

Learning Resources for Students

Through the Learning Resource Center (LRC), UP Manila pursued its commitment to enhance the capabilities of the students by providing free peer-assisted tutorials in Statistics, Physics, Chemistry, Mathematics, and GE courses from 2014-2017 and in Math, Science and English in 2018 to 2019. To further improve the LRC's tutorial services, volunteer faculty tutors were recruited to handle the review classes. From November 2014 to Dec 2019, a total of __ students benefitted from the tutorial sessions.

Apart from the tutorials, the LRC conducts Simulated Examinations with Discussions given within the week before the scheduled departmental exams and with the discussions handled by peer and faculty tutors. Another program, the Summer Bridge Program is a skills development and enrichment course designed to bridge the gap between high school and UP entrance skills requirement for admitted first year students.

NUMBER OF STUDENTS WHO TOOK THE SUMMER BRIDGE PROGRAM			
Year	Number of Students		
	English	Math	Science
2018	26	16	16
2019	37	34	34

The LRC was granted an API-funded project entitled "Development of Updated Learning Assistance Tools in Fundamental Mathematics, Physics and Chemistry". The project included a series of workshops and writeshops on topical modules and video production. It produced topical modules on Chemistry, Physics and Mathematics that were available in printed and digital forms. Online pre-recorded tutorial videos were also produced and uploaded in the LRC VLE.

On-going projects:

- Mainstreaming of Online Simulated Examinations on Mathematics in VLE
- Preparation for Online Summer Bridge Program
- Production of more online tutorial videos
- Training in Canvas to serve as student support for FS 2020-2021
- Production of tutorial videos for student guide on Canvas



Modernizing the University Library

For the past 6 years, efforts to modernize the University Library (UL) have been stepped up both for physical infrastructure and resources in recognition of the vital roles and evolution of libraries from mere storehouses of information to intellectual hubs and springs of knowledge.

The redesign of the new UP Manila Library (renamed UP Manila Library and Learning Commons) was spurred by the need to capacitate the UL in its task of supporting the university's core missions of education, research and public service. Forging ways to serve faculty and students more effectively through adoption of digital technologies and providing leadership and training were intensified.

Held in November 2019 was the groundbreaking for the redesigned 12-story UP Manila Library and Learning Commons with an open layout design to meet the need for space while drawing them deeper into its collections and as a conducive place for collaborations in research and other academic activities. The new building will have a Thesis Room and Dissertation Rooms, Discussion Room, Gallery Hall, Library Information area, Administration Office, and Ground Lobby.

For information resources, the UL continued to increase subscriptions to multidisciplinary online databases. These databases also include research tools (EDS* and OpenAthens**) for easier and faster access by the faculty, staff, and students. Ten (10) online research databases (e-book and e-journal) in different disciplines are currently accessible remotely and there are 3 more online databases to be activated during the first semester of AY 2020-2021.

1. Academic Search Complete
2. Access Medicine
3. CINAHL Complete
4. Clinical Key
5. Dentistry & Oral Sciences Source (DOSS)
6. eBook Collection (EBSCOhost)
7. JSTOR
8. MedOne
9. Micromedex
10. Nursing Reference Center Plus
11. ProQuest Public Health (in-process)
12. Taylor & Francis Medial Library Collection (in-process)
13. UpToDate (in-process)



-
14. EDS or EBSCO Discovery Service* - (in-process) – a one-time search tool for all the databases including that of UP iLib System
 15. Open Athens** (submitted to OVPAA thru the UPD Library as requested by VP Bautista in a meeting on June 5, 2020 with University Librarians in different CUs) – it is a single sign-on remote access to online resources which is a great alternative to VPN

The gradual shift of the library resources from print to online was accelerated by the COVID-19 pandemic. Maximizing the use of its resources entailed wider dissemination and different marketing strategies using library websites, Facebook, Twitter including emails, production of infographics, videos, and conducting online orientations.

RESEARCH PROGRAMS



The health researches conducted by UP Manila, mainly through the National Institutes of Health, have provided high value and impact to society through the vital information generated on disease trends and risks, treatment outcomes or public health interventions, functional abilities, patterns of care, and health care costs and use. Several researches have led to significant discoveries, development of new devices and therapies and new innovations and technologies that are contributing significantly to health improvement.

Advances in health information technology are leading to health researches that generate and develop new insights on health and disease interventions. Clinically rich information is now electronically stored and exchanged, thus, making these more readily available and useful in a more structured format throughout

the health care continuum. As a result, the information is now better used for quality improvement, public health, and research, and to significantly contribute to improvements in health of individuals and populations.

Under the Covid 19 pandemic, UP Manila made significant contributions in responding to the threats and risks of the pandemic and in managing positive patients and suspected cases. For research, the strides are the development of a local RT PCR testing kit, Gen Amplify that is cheaper and with faster results, designation of NIH as a testing laboratory, conduct of biotesting seminars and trainings, participation in solidarity trials and clinical trials for existing drugs as possible cures for Covid 19 illnesses, and conduct of researches on the different aspects of the Covid 19 pandemic. *(Please see separate report on UP Manila Covid 19 response)*

Separation of Two Research Offices

With the exponential growth of research activities in UP Manila and for better coordination and management, it was deemed necessary to recommend the separation of the offices of the **Executive Director of NIH** and the **Vice Chancellor for Research**.

Since the establishment of NIH in 1996, its Executive Director was also the Vice Chancellor for Research. The separation was approved by the BOR in 2018.



The Vice Chancellor for Research took the responsibility of moving researches in the Colleges and overseeing the Research Ethics Board, Research Grants Administration Office, Technology Transfer and Business Development Office, Institutional Research and Biosafety Committee, and Institutional Animal Care and Use Committee. The NIH Executive Director provided guidance to the NIH's 14 institutes and centers and 19 study groups.

Research Ethics Board

UP Manila assumed leadership not only in the number and quality of health research, but in promoting research ethics. Recently, the UP Manila Research Ethics Board was recognized as the Most Outstanding Research Ethics Committee in all of Asia.



As part of guidelines for conducting ethical research under the Covid 19 pandemic, the UPMREB participated in a World Health Organization (WHO)-organized online consultation among national research ethics policy-making bodies held on April 6, 2020. Specific guidelines were created on how research ethics committees should conduct themselves during this critical period. Highlights of the guidelines include the following:

Guideline 3: To prepare for the review of COVID-19 research, RECs should agree on a process for rapid review and communicate this to researchers (and communicate any anticipated delays for non-COVID-19 research)

Guideline 4: Set up systems for remote discussions; and

Guideline 12: Protocol submission should be done electronically

Guideline 8: WHO recommends changing the quorum requirements to one-third of the membership.

Registered Researches

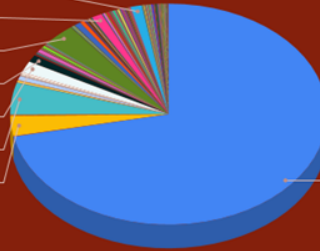
6,597

Estimated Total Amount Budget for Researches

₱5,436,614,943.30

Funding Source

- PGH-EHRO 1.1%
- UPM-NIH Regular Research Grant 1.1%
- Looking for funding 3.3%
- DOH 1.0%
- DOST 1.7%
- PCHRD 4.7%
- UPM-NIH Student Researcher Grant 2.9%



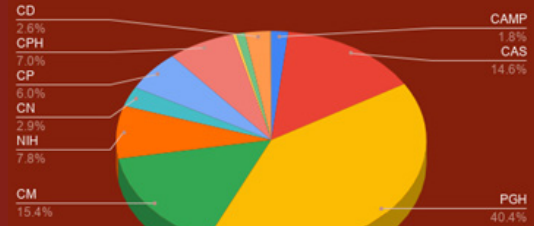
Research Grants Administration Office

In 2015, the tasks of the **Research Grants Administration Office (RGAO)** was expanded to include assisting investigators in grants application and coordination with research agencies through the ff. units: **Grant Application and Protocol Development Unit (GAPDU)**, **Fund Administrations and Management Unit (FAMU)**, and **Research Implementation Support Unit (RISU)**.

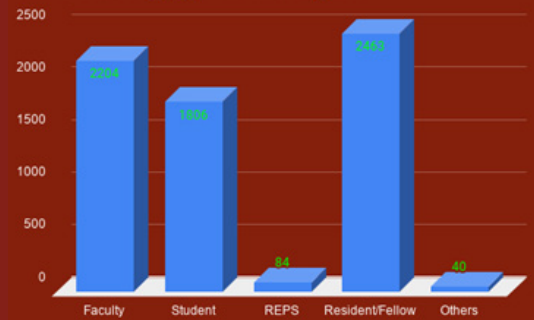
From 2014 to 2020, the research dashboard of RGAO registered 6,552 researches from UP Manila faculty, REPS, PGH residents and fellows, students and staff. There are 210 COVID related projects registered in the past four months on a wide range of topics: clinical trials, clinical features of COVID, information technology innovations, infection control measures, molecular biology of SARS-CoV2, guidelines and protocols, impact of quarantine on medical education, knowledge, attitudes and practices and COVID 19 on social media.

The **UP Manila Research Bridging Effort Funds (BriEF)** Assistance Program has been instituted to provide short-term limited financial support to faculty research projects while waiting for release of funds of externally funded projects.

Registered Researches per Unit/College



Researches by type of Investigator





Technology Transfer and Business Development Office

The creation of the **Technology Transfer and Business Development Office (TTBDO)** in 2015 was aimed to facilitate the transfer and translation of technologies and innovations generated by the University to benefit more Filipinos. The TTBDO replaced the former Intellectual Property Office (IPO) and expanded it to include business development services.

During the past six years, TTBDO expanded the business development opportunities of its discoveries as it provided assistance in licensing, IP awareness, disclosures, protection, portfolio development, capability building, and patent searching. Two major events of TTBDO in recent years were the **Technology Presentation for ULASIMANG BATO** (*Peperomia pellucida*) in partnership with the DOH Philippine Institute of Traditional and Alternative Health Care (PITAHC), and the Teknokalusugan that showcased and pitched in technologies on medicinal and herbal plant products, medical devices and technologies, and medicinal formulations to industry partners.

TTBDO now has a portfolio of 11 active licensees for 2 technologies (sambong and lagundi), 2 pending licensing agreements (CHITS, Hemoxyther), 3 RCAs with industry in process (Rohto, D&L, ULSSI) and 3 licensing applications in process for lagundi and ulasimang bato. On Intellectual Properties, there are 122 total disclosures, 103 active disclosures, 18 patents and 29 Utility Models filed

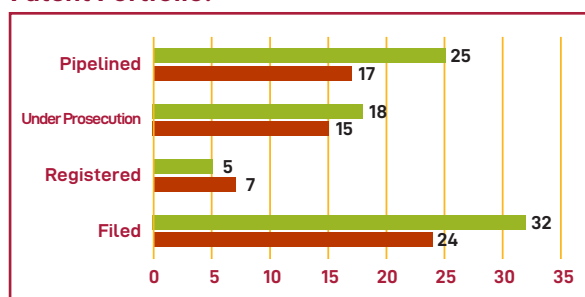
Under the Covid 19 pandemic, the TTBDO expedited research initiatives and technology transfer to address this public health crisis. Since the beginning of the quarantine, the entire staff had been working tirelessly and remotely to provide full circle assistance to the technologies that needed to be protected and for these to be made available for use by health workers and patients with COVID-19. The TTBDO successfully joined forces with the brains of the university to offer anti-COVID 19 technologies within the reach of our fellow Filipinos. From germicidal masks, to sanitation tents, to telepresence robots, and mechanical ventilators, the TTBDO provided the technical support and services needed to realize these projects.

Aside from COVID-19 technologies, TTBDO simultaneously facilitated the protection of many other technologies. Recent successes of TTBDO are the filing of several patent applications before the end of 2019 up to the first quarter of this year.

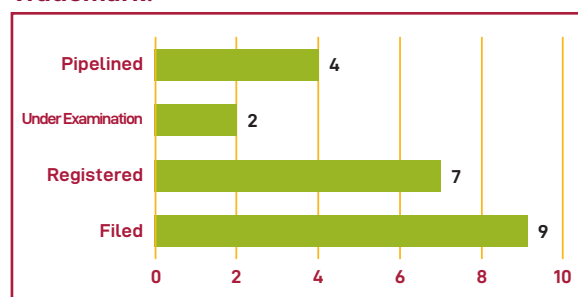
LICENSING

	2017	2018	2019	2020
Licensing Income	P8,347,798.68	P10,129,813.66	P14,475,663.14	P7,940,815.99 (from the 1st half of the year)
Number of partners with licensing agreements in force	17	14	13	12
Technology	Number of Licensing Agreements in force			
Lagundi Syrup	17	14	11	11
Lagundi Tablet	15	11	9	12
Sambong Tablet	8	6	4	6
Akapulco Lotion	0	0	0	0
Tsaang Gubat Tablet	1	1	1	0
Yerba Buena Tablet	1	1	1	0
Total	42	33	26	29
Technology Adapters	Number of Licensing Agreements in force			
Azarias Pharmaceutical Laboratories Inc.	3	3	3	3
Ritemed Philippines, Inc.	3	0	0	0
Pascual Laboratories, Inc.	3	0	0	0
Trevenodd Corporation	2	1	1	3
New Marketlink Pharmaceutical Corporation	4	4	2	2
Pharmacare Products Company	3	3	3	3
Philippine Institute of Traditional and Alternative Health Care (PITAHC)	1	1	1	0
Interhealthcare Pharma Corporation	3	3	3	2
Total	22	15	13	13

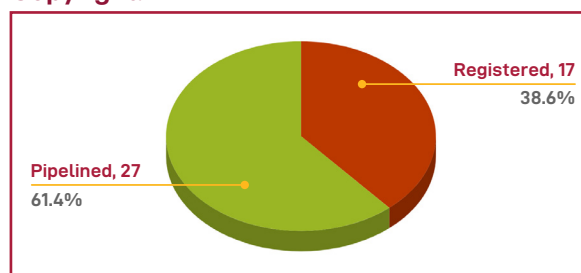
Patent Portfolio:



Trademark:



Copyright:



Health Policy Generation and Development

In line with its thrust of being a proactive partner in and contributor to health policymaking, UP Manila provided evidence-based inputs and rational analysis to legislators for legislating laws and to government for program planning. A think tank group, UP Manila Health Policy Development Hub (HPDH) leads in positioning UP Manila as the policy hub in the Philippines, ASEAN region, and beyond. Its goal is to help the concerned bodies with informed policy making on health issues that will redound to improved health for the Filipinos.

- Four roundtable discussions were held to discuss the coverage, guidelines, scope, and implications of the Universal Health Care Act for the engagement of and discussions with different stakeholders and as inputs for the formulation of the Act's Implementing Rules and Regulations.
- Three roundtable discussions were held to generate ideas and recommendations from varied stakeholders on pressing health issues: Legalization of marijuana (The Compassionate Use of Medical Cannabis Act) – September 2015; Aerial spraying (House Bill 3857, 'An Act prohibiting aerial spraying as a method of applying chemicals and similar substances on agricultural crops' – October 21, 2015 August 3, 2016; Health human resource for an aging Philippines – February 24, 2016.

List of Health Bills/Programs with UP Manila Policy/Position Statements

Position Statements

1. Senate Resolution No. 4040 - Resolution urging the committee on sustainable development goals, innovation, and futures thinking to conduct a hearing, in aid of legislation, on the effects of the COVID-19 pandemic on the future of health service delivery in the country for the new normal and in preparation for future pandemics and other health emergencies
2. Senate Resolution 413 on the Future of Education and PS Resolution 393 on Futures Thinking and the New Normal
3. Senate Bills amending RA 11332 (Notifiable Disease Act) and Establishing Quarantine Facilities
4. Enhanced Community Quarantine for COVID-19: Whole of society approach
5. Position Statements for the IRR of UHC Act under AHEAD-HPSR project : Beyond Hospital Beds: Equity, quality, and service
6. Position Statements for the IRR of UHC Act under AHEAD-HPSR project: Moving towards third party accreditation for health facilities
7. Position Statements for the IRR of UHC Act under AHEAD-HPSR project: Health financing: Co-payments and Personnel
8. Position Statements for the IRR of UHC Act under AHEAD-HPSR project: Health services and financing roles: Population based- and individual-based
9. Senate Resolution Nos. 291, 293, and 301, directing the appropriate Senate Committees to aid in legislation on the preparedness of the Philippine Government on the appropriate measure to address possible outbreak of novel coronavirus 2019 (nCoV2019)
10. RA 11036 (Mental Health Act): Addressing Mental Health Needs of Overseas Filipino Workers
11. Oral Health of Filipinos
12. Health Impact of and Policy Regulations on Electronic Cigarettes
13. Cannabis Legalization: Threat to Public Health
14. DOH Proposed Condom Access Program in Public High School
15. Proposed House Bill No. 292, "An Act Imposing Excise Tax on Sugar Sweetened Beverages by Inserting a New Section 150-A in the National Internal Revenue Code of 1997, as Amended"

List of Health Bills/Programs with UP Manila Policy/Position Statements

Position Statements

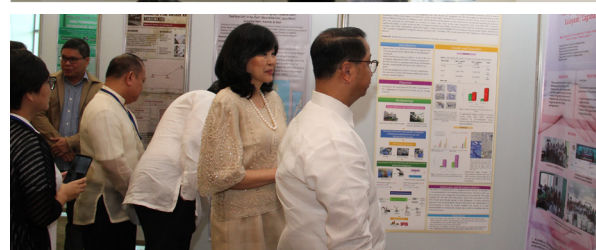
16. Maternal and Infant Nutrition for the first 1000 days of Life
17. SB 378, "Health Promotion Act of 2016"
18. SB 214, "Barangay Health Workers Bill"
19. Vaccine Institute
20. Health Human Resource for an Aging Philippines
21. Comprehensive Dangerous Drugs Act of 2002 (RA 9165)
22. Organ Donation Bill
23. Aerial Spraying
24. Mercury Dental Amalgam

National Institutes of Health

The NIH continued to be at the forefront of generating and applying knowledge, innovations, and technologies that benefit the people's health and harmonizing health-related researches through its 14 institutes/centers and study groups. The NIH component units have stepped up its responses to the current challenges plaguing the country through the conduct of impactful researches on a wide range of pressing health topics and problems and capacity building through trainings and workshops conducted by and for its pool of researchers in different fields.

For the period 2014 to 2017, among the notable strides were the development and manufacture of the dengue testing kit, Biotek Agua M that is also now being distributed in some Asian countries; enactment of Republic Act 10747, or the Rare Disease Act that provides patients with rare diseases and their families improved access to comprehensive medical care, information, and products, and preparation and submission to Senate, Congress, and DOH of position statements and policy recommendations on several health bills for evidence-based policy-making and program formulation/revision.

At the start of the COVID-19 pandemic, the NIH's collaboration with the DOH and DOST in providing solutions to the challenges posed by the pandemic led to the creation and roll out of the locally made COVID 19 RT-PCR testing kits to several laboratories across the country. Currently, the NIH is one of the designated testing centers of DOH for COVID-19. In collaboration with the World Health Organization, the NIH is also participating in clinical trials such as the Solidarity Trial and Convalescent Plasma Trial with scientists from the Institute of Clinical Epidemiology (ICE) as lead.



In light of concerns regarding transmission of the virus among the frontliners, the NIH, through the National Training Center for Biosafety and Biosecurity (NTCBB), has offered Biosafety Education and Awareness Training (BEAT) COVID 19, an online training course designed to provide core concepts of basic biosafety and biosecurity practices for laboratory personnel.

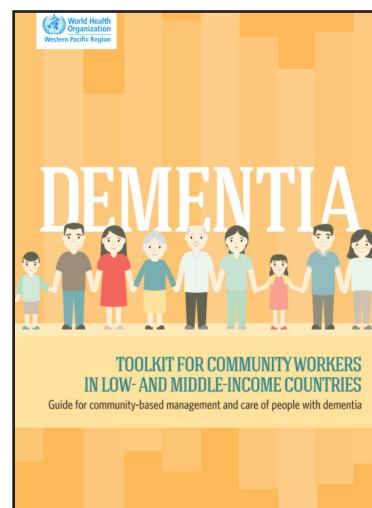
The **completion of the 19-storey National Institutes of Health (NIH)** by 2021 will provide a modern, conducive, and permanent home to the 14 NIH research institutes and centers and 19 study groups. It will provide shared laboratory space for the researches of the 9 degree-granting units of UP Manila and the PGH. It will also be home to four upcoming new facilities - **Clinical Research Center, Animal Research Facility, Disaster Risk Reduction and Management in Health Simulation Center, and Center for Liver Research.**

Below are the major accomplishments of the NIH's component institutes:

INSTITUTE ON AGING (IA)

The greatest contribution of the Institute in the past 6 years has been the continuing human resource development projects for clinical care and research on older people. The clinical training projects include a blended learning training under the WHO Philippines entitled "Training and Coaching Module Development for General Practitioner to be Trained in Geriatric Care and Primary Health Care Providers at the RHUs" in coordination with the DOH. Doctors and nurses from the DOH Apex Hospitals set to establish Geriatric Wards were trained through an on-line Learning Management System (Moodle) in classroom review and case-based learning with the DOH Regional Coordinators as the primary care group.

The Institute conducted the development, translation and validation of the "Dementia Community Toolkit for Low and Middle Income Countries" for six barangays and 55 community workers and the "mhGAP Training Module for Dementia" for 58 hospital-based health workers with support from the WHO WPRO Mental Health Division. The print and online learning materials aimed to raise awareness, enhance a referral system, and support carers of people with Dementia. Participants from the National Capital Region and Regions, I, III, IVA, VII, VIII, XI, with the DOH, DOST and PCHRD through the FITforFRAIL Project were trained in conducting community researches for older people, particularly in performing a Comprehensive Geriatric Assessment.



INSTITUTE ON CHILD HEALTH AND HUMAN DEVELOPMENT (ICHHD)

The outstanding accomplishment of the ICHHD is contributing to the improvement of the National Immunization Program in the fight against vaccine-preventable diseases. The ICHHD improved surveillance of vaccine-preventable diseases like polio through the national surveillance of Guillain-Barre syndrome, provided epidemiologic data to support introduction or scale-up of new and underutilized vaccines such as those for Japanese encephalitis and rotavirus, analyzed effect of vaccination practices such as multiple injections on vaccine hesitancy, filled in knowledge gaps on vaccination, such as effect of previous dengue infection on effectiveness of the first approved dengue vaccine, and participated in clinical trials for the development of new vaccines.

The ICHHD is also part of an international consortium, the Regional Prospective Observational Research for Tuberculosis (RePORT) which was organized by the National Institute of Allergy and Infectious Diseases of the US National Institutes of Health. RePORT provides a platform for TB researchers from member countries to pool data and start specimen biorepositories with the goal of encouraging collaborative and cross-consortia research on TB prevention and treatment.

INSTITUTE OF CLINICAL EPIDEMIOLOGY (ICE)



Foremost among the ICE's research projects is the innovative "Battle in the Blood" or #BitB – the first-ever HIV gaming, engaging, and testing app in the country developed in collaboration with the Liverpool School of Tropical Medicine in UK. #BitB bridges the current obstacles in HIV testing and prevention by repackaging much-needed conversations among the youth through an engaging, challenging and fun approach to HIV/AIDS education.

With the advent of the COVID-19 pandemic, the Institute, in partnership with the Asia-Pacific Center for Evidence-Based Medicine, mobilized the students and graduates of the Diploma and Master of Clinical Epidemiology programs to search the literature, critically appraise and synthesize the evidence into Rapid Reviews on the interventions for COVID-19 management. These rapid reviews which are updated regularly are used as reference for the country's COVID-19 management guidelines.

The Institute coordinates the conduct of the ongoing multinational public health emergency trial on COVID-19 – the WHO Solidarity Trial which aims to determine the effectiveness of re-purposed drugs in the treating hospitalized COVID-19 patients compared to local standard of care using a randomized adaptive design. To date, the clinical trial has answered the question on the effectiveness

of hydroxychloroquine and lopinavir-ritonavir which led to a recommendation against the use of the two repurposed drugs due to lack of benefit in reducing in-hospital mortality. The trial is now adding new interventions such as immunomodulators and monoclonal antibodies into the treatment arms. The Institute is also working on another PCHRD-funded project on the Fabrication and Characterization of UV and Hydrogen Peroxide Vaporization for Disinfection of N95 Respirators that will be useful not just for COVID-19 but for other infectious diseases requiring the use of N95 respirators such as TB.

For capacity building, the Institute conducted the National Clinical Practice Guidelines (CPGs) Development Training Workshops for participants from professional medical societies and academic institutions who were trained on the updated internationally accepted GRADE methodology for developing CPGs. As an offshoot, five national CPGs for priority disease conditions were completed in 2020, namely TB in Children, TB in Adults, Community Acquired Pneumonia in Adults, Neonatal Sepsis and Sepsis in Adults.

INSTITUTE OF HEALTH POLICY AND DEVELOPMENT STUDIES (IHPDS)

The activities of the IHPDS during the years 2017 to 2020 was focused on three major programs: providing empirical evidence to policy makers, harmonizing University of the Philippines Manila positions on key national policies through the UPM Health Policy Hub, and guiding the Metro Manila Health Research and Development Consortium (MMHRDC). In this period, IHPDS's research work on the socio-economic burden of road traffic injuries and child restraints availability and acceptability were cited among the evidences that led to the passage of the Republic Act 11229 or the Child Safety in Motor Vehicles Act of 2019.

In 2017, the MMHRDC hosted its first International Research Symposium with the theme, "Nature-based Products and Therapies: From Soil to Market" followed by other international symposia with the themes "Food Fortification in Universal Healthcare" and "Modern Approaches to NCDs Prevention and Management." Through a series of de-novo process of critical appraisal of literature-round table discussion-technical working group writeshops, the UPM Health Policy Hub worked closely with the DOH to produce evidences and UPM positions on the Universal Health Care Law of 2018, RA 11223, including governance, equity and quality, copayments, third party accreditation, and population-based vs individual based financing.



INSTITUTE OF HERBAL MEDICINE (IHM)

The accomplishments of the Institute of Herbal Medicine were in keeping with its mission to undertake scientific, ethical, and culturally-sensitive research and development of Philippine medicinal plants in an integrated, multi-disciplinary way. Two new formulations were introduced after completing the pre-clinical and clinical studies to help address major syndromes and diseases in the country. These researches are published in a Technical Transfer Document which may be licensed to different pharmaceutical companies for them to manufacture, distribute and market. The new formulations are the *Tsaang gubat* (*Ehretia microphylla*) syrup for abdominal and biliary colic and gastroenteritis. The *Ulasimang bato* (*Peperomia pellucida*) tablet was also developed for those with hyperuricemia and gout and was found to be therapeutically equivalent to allopurinol. Invention patents have been obtained for both formulations. Two separate technology presentations were made to introduce these products to the pharmaceutical industry with several companies showing interest. New Marketlink has also been licensed by UP Manila to bring the *Lagundi* (*Vitex negundo*) syrup and tablet, which is indicated for cough and asthma, to be brought initially to Singapore and eventually to other ASEAN nations.



INSTITUTE OF HUMAN GENETICS (IHG)

With the expansion of the Newborn Screening Program in 2015, IHG saw an increase in the number of cases over the years. To support the needs of these patients, IHG helped lobby for the passage of the Rare Disease Act of 2016 and assisted the DOH in formulating its implementing rules and regulations. To further address the gaps in the comprehensive management of patients, preparations for the establishment of regional centers for human genetics services started in early 2020. The main aim of these centers is to provide a treatment infrastructure in Visayas and Mindanao that will provide comprehensive clinical evaluation, appropriate therapeutic management, and genetic counseling services to families or individuals with genetic and metabolic disorders.

The IHG, with the Philippine Genome Center (PGC) and the PGH are taking the lead on research, capacity building, and institutional linkages for the development of genome-based applications in our country. The Precision Medicine Initiatives hope to achieve a better understanding on how a person's genetics, environment, and lifestyle can help determine the best approach to prevent or treat disease. Through funding by the DOST-PCHRD, genomic databases for heart disease and diabetes specific to the Filipino population are being built to make the practice of medicine more precise and personal.



For the past 3 years, IHG continued to commit to its higher calling of improving the lives of patients with genetic disorders by providing them with leading standards of care, compelling advocacy programs, pioneering management protocols amidst limited resources, and individualized services that led to better quality of life, informed reproductive choices and improved well-being of patients and families served.

INSTITUTE OF MOLECULAR BIOLOGY AND BIOTECHNOLOGY (IMBB)

The IMBB focuses its research efforts on the prevention, early diagnosis, and treatment of infectious diseases. These include the top causes of morbidity and mortality in the Philippines, such as dengue hemorrhagic fever and tuberculosis. In collaboration with NTCBB, the IMBB conducted research and policy-work on the last three pandemics: HIV, 2009 A/H1N1pdm and COVID-19.

The UP-NIH laboratory was the first non-subnational laboratory certified as a COVID-19 testing lab on 20 March 2020 and was run by NIMBB and NTCBB project staff, personnel and volunteers. The certification process took approximately 10 days (Stage 1 to 5). Approximately 8,500 samples were tested for SARS-CoV-2 from 21 March to 15 May 2020. Validation of at least 6 different PCR kits (including the MTEK kit) and 5 RNA extraction kits were also performed during this period with the validation reports provided to RITM/ DOH. The validation study also provided samples for sequencing to the PGC and which were subsequently uploaded to GISAID. IMBB and NTCBB also developed the UP-NIH SARS-CoV-2 Standard Operating Procedures which were made freely available to other institutions.

In the last three years, the IMBB has been at the forefront of developing innovative diagnostics for dengue, HIV and COVID-19. The Biotek-M™ dengue detection kit is the first Filipino-developed nucleic acid platform for dengue diagnosis using isothermal technology. The GenAmplify™ Corona Virus 2019 (COVID-19) rRT PCR Detection Kit is the first Filipino-developed nucleic acid kit for commercial use. A MinION-based HIV drug resistance sequencing platform is also under development as a world's first test for diagnosing HIV drug resistance in a near-point of care setting.

These and other innovations, along with the timely conversion of the Institute's BSL-3 facility for augmenting COVID-19 testing in response to the nation's call for assistance amidst the COVID-19 pandemic, have solidified IMBB's status as a significant contributor to the nation's health.



INSTITUTE OF PHARMACEUTICAL SCIENCES (IPS)

In line with its mission to conduct pharmaceutical researches on the discovery and development of quality pharmaceutical and related products, the IPS has been active in utilizing waste materials as an alternative source of excipients. Fruit peels and seeds, and peels of root crops have been employed for the isolation of starch.

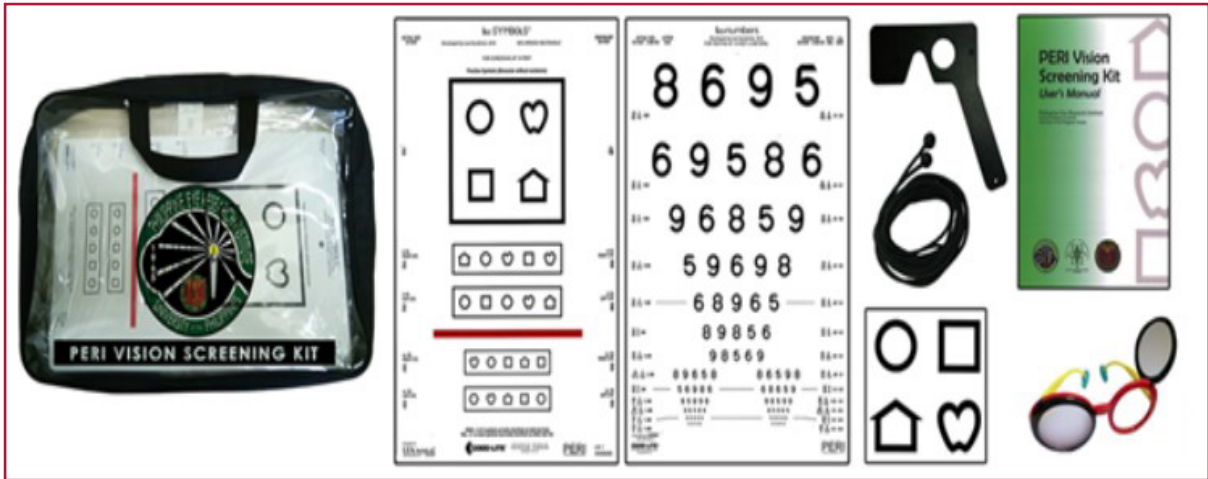
Ethanollic extracts of different plants have also been used as preservative agents in different pharmaceutical preparations and conformed to the specifications of the United States Pharmacopeia for antimicrobial effectiveness. Fruit rinds are utilized to extract and isolate pectin (Figure 1). The product of these studies resulted in 6 utility model applications. Moreover, these isolated excipients have already been incorporated in formulations of other IPS projects.

Utilization of these waste materials and other natural products provide an economically viable source of excipients for pharmaceutical use. This offers a potential solution in minimizing the economic and environmental problem posed by these wastes. This will also alleviate the increasing demand and search for natural excipients with desirable properties for pharmaceutical use.

Another thrust of IPS is to conduct pharmaceutical researches to generate, disseminate, and utilize information for public health improvement and safety. This has been achieved by the Institute through the development of HEMOXYTHER™ capsules to address the problem of iron deficiency anemia in the Philippines. The active component is derived from a natural source, which is a weed utilized as vegetable in Panay Island locally claimed to treat anemia. The safety of this formulation was already established in animals. For human safety, Phase 1 Clinical Trial showed no significant increase in liver enzymes and kidney parameters after a 3-month administration of the capsule. It also demonstrated significant increase in iron and hemoglobin count, confirming its hematinic activity.

HEMOXYTHER™ capsules may be considered effective for hemoglobin augmentation without the usual side effects of available iron preparations. Currently, the product is being processed for technology transfer and commercialization.





PHILIPPINE EYE RESEARCH INSTITUTE (PERI)

The RA 11358 signed into Law by President Duterte in July 2019 mandates the National Vision Screening Program (NVSP), spearheaded by the PERI, in collaboration with the DOH and the Department of Education (DepEd), aims to screen all kindergarten pupils entering the Filipino school system at age 5 or 6 to detect errors of refraction and amblyopia. A PERI Vision Screening module was developed using evidence-based approach. This is a pass-fail system that will be conducted by teachers and other school health personnel. Students who fail in the test will be asked to sit in the front rows of the class as an immediate intervention and are subsequently referred to eye care practitioners for evaluation and treatment.

Nationwide, four pupils in a class of 40 have vision problem; three of them may have error of refraction and one may have amblyopia or lazy eye. Vision screening done at this age would allow early detection of amblyopia when treatment is still possible. Amblyopia, if not treated, will lead to educational, occupational and safety restrictions later in life.

House Bill No. 3222 “An Act Establishing a National Vision Screening Program for Kindergarten Pupils and Appropriating Funds Therefor” was introduced to the 17th Congress by Representative Kimi S. Cojuangco, and the Senate Bill No. 1706 “National Vision Screening Act” introduced to the Senate by Senator Pia S. Cayetano et al. The bill was signed into law by President Rodrigo Roa Duterte on July 31, 2019 as Republic Act 11358.

PERI as one of the implementing agencies of this Act is currently collaborating on the final process of developing the implementing rules and regulations. This is expected to be launched and implemented in August 2020, in time for the celebration of the National Sight Saving Month. The law provides for fund appropriation that will be included in the budget of the University of the Philippines Manila. The NVSP aims to provide the kit and train the teacher of all kindergarten classrooms in the country in the next 3-5 years. This milestone will help realize PERI’s vision of preventing blindness of Filipino children through its research and health policy programs.

PHILIPPINE NATIONAL EAR INSTITUTE (PNEI)

Since 2001, the Philippine National Ear Institute has been in the forefront in undertaking epidemiological investigation related to disorders of hearing, balance and their related functions. Its vision is that "No Filipino shall be deprived of a functioning sense of hearing and balance".

The PNEI formed partnerships with institutions whose personnel are at risk for developing noise-induced hearing loss so that information about noise-induced hearing loss and monitoring for this condition is made part of their wellness program. The PNEI collaborated and continues to work with CHED and the Institute of Health Innovation and Translational Medicine Philippine-California Advanced Research Institutes (PCARI) for research and novel technologies in implementing the Newborn Hearing Screening Program (HeLe Project) under which local production of devices for hearing screening and hearing loss diagnosis were developed.

The Institute also started the groundwork for the National Cochlear Implant Program for an efficient and well-organized system in selecting, managing and rehabilitating children needing cochlear implantation in the Philippines. It also continues to set-up capacity building workshops for promoting and disseminating information on hearing, balance and ear health, as well as, publishing research papers related to newborn hearing screening and the genetics of hearing loss.



NATIONAL TRAINING CENTER FOR BIOSAFETY AND BIOSECURITY

The creation of the National Training Center for Biosafety and Biosecurity (NTCBB) under the National Institutes of Health was approved by the UP Board of Regents on February 22, 2018. With the approval of the Center, the BOR also approved the creation of the National Biosafety Framework that covers aspects of both biosafety and biosecurity. NTCBB's mandate is to create a national training center for training and practice of the principles of biosafety and biosecurity among research, academic and healthcare institutions in the Philippines and the region; and to promote a culture of safety and security in all laboratories working on biological hazards in the Philippines and the region.



Through its continuing program development to inculcate the culture of biosafety and biosecurity in the Philippines, the center generated major outputs that played significant roles in the fight against the Covid 2019 pandemic in the Philippines. The first one is the significant role of the graduates of the Advanced Biorisk Officers Training Program who were deployed in the entire country, helping institutions and laboratories to comply with the biosafety requirements for COVID testing in each of their areas from Luzon, Visayas and Mindanao. The graduates stepped up and join the training force of the NTCBB in

imparting laboratory personnel the biosafety skill set needed in running a COVID testing laboratory.

The second is the DOH's recognition of its training program, the NTCBB's Online Biosafety Training for Laboratorians Handling SARS-CoV-2 (Covid-19), as a training provider for biosafety and biosecurity during this Covid-19 pandemic. The training of laboratory personnel in biosafety and biosecurity is a requirement by the DOH in the accreditation of Covid-19 testing laboratories. In support of the capacity building efforts of DOH among laboratories, NTCBB launched the "BEAT Covid-19 Program", an online Biosafety Education and Awareness Training (BEAT) for laboratory personnel handling SARS-CoV-2 (Covid-19). Seven modules composed of the core principles of biosafety and biosecurity were designed and implemented over a self-administered time-bound 7-day online training course. Over 2000 applicants completed the course and counting.



NATIONAL TELEHEALTH CENTER (NTHC)

The National Telehealth Center (NTHC) continues to push forward the digital health agenda in the Philippines through eHealth researches on standards and interoperability; design, development, and deployment of health information systems to improve clinical care delivery; and policy development and advocacy.

In particular, the lack of enabling policies and guidelines, coupled with the lack of an encompassing law on eHealth and telemedicine, has been one of the top barriers to adoption and use of telemedicine in the Philippines for more than a decade now. In order to address this concern by health care providers, the DOH and UP Manila, through the NTHC, worked on finalizing and issuing guidelines on telemedicine practice in the form of the recently issued DOH-UP Manila joint memorandum circular (JMC) on Telemedicine Practice Guidelines. With this issuance, healthcare providers are given clear recommendations on how to enable better delivery of care while also ensuring patient safety and maintaining health data privacy and confidentiality.

In the past years, the NTHC has also put an emphasis on the design, development, and implementation of disease registries as this has been an identified need of the Philippine eHealth Ecosystem. Disease-specific registries provide clinicians and researchers with vital patient information and medical history that would allow them to accurately estimate the prevalence and incidence of the disease. It is also useful for immediate identification of eligible patients for a related clinical trial. With these information on hand, patients can be provided with accurate advice through proper assessment of the effectiveness of an intervention that eventually leads to improved care and life expectancy even in the absence of a cure. In cases of rare diseases, such as X-linked dystonia Parkinsonism (XDP), where scarcity and complexity impose large geographical coverage of data gathering, patient registries require multiple collaborations

and exchanges of data.

Following internationally accepted health information exchange standards and interoperability protocols, the NTHC's user-design framework provides a strong foundation for these electronic disease registries (specifically for XDP, liver diseases, newborn screening, and newborn hearing screening) to be deployed and made to be interoperable with other health information systems such as electronic medical record (EMR) systems, telemedicine systems, mobile health applications, patient portals, and personal health records. The goal for these disease registries is for the collected data to be routinely used for active surveillance as well as to inform program-level decision-making and formulation of relevant policies and financing packages for PhilHealth reimbursement.

NEWBORN HEARING SCREENING REFERENCE CENTER (NHSRC)

The Newborn Hearing Screening Reference Center (NHSRC) continues to serve as the technical arm of the DOH in the implementation of RA 9709 – the Universal Newborn Hearing Screening and Intervention Act of 1999.

NHSRC participated and contributed as members of the DOH's National Technical Working Group on Newborn Hearing. Monthly Newborn Hearing Screening Personnel Certifying Courses are held at UP Manila. Coordinators in different parts of the country have been holding regular courses hosted by DOH regional offices since 2018. As of June 2020, there were 3225 certified newborn hearing screening personnel serving 1040 hearing screening centers in the Philippines.

NHSRC developed a completely online certifying course which is currently being pilot tested. In addition, the Center evaluated and certified at least three tablets or android based hearing screening devices.

The formation of the Electronic National Newborn Hearing Screening Registry (ENNHSR) will make the collection of data more efficient. This enhanced database has an offline and online data entry tools, sync module that can send encoded data to the Fast Healthcare Interoperability Resource (FHIR) database for archiving and storage once internet data is detected, and analytics tools with a web page output that presents data through graphs and tables.

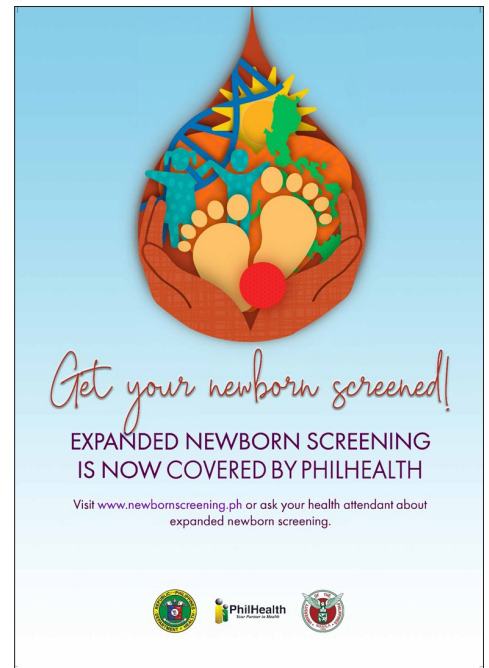


NEWBORN SCREENING REFERENCE CENTER (NSRC)

The NSRC has consistently performed its role as the technical arm of the DOH in the implementation of the National Comprehensive Newborn Screening System (NCNBSS). It provided support in the formulation and release of the “National Policy and Strategic Framework on Expanded Newborn Screening (ENBS) for 2017-2030” aimed to propel the newborn screening program towards its future directions – screening of all Filipino newborns; strengthened quality of service; intensified monitoring and evaluation of NBS implementation; sustainable financial scheme; and strengthened patient management.

Accordingly, the NSRC, with partner agencies and organizations, lobbied for the full coverage of the ENBS that resulted in PhilHealth’s release of Circular 2018-0021 or the Enhancement of PhilHealth Newborn Care Package where in the whole ENBS fee of P1,750 was included in the Newborn Care Package. This paved the way for the full implementation of the ENBS.

The NSRC collaborated with the DOH in setting-up the necessary NBS system infrastructures. In coordination with the DOH-Health Facilities and Services Regulation Bureau, it accredited additional NSCs with the participation of foreign newborn screening expert panels to be at par with international standards. From six by the end of 2017, there are currently seven NSCs with the 2nd laboratory in Central Visayas as the most recent addition. The ISO 9001-2015-certified NSRC is facilitating the NSCs application for ISO 15189 certification.



PUBLICATIONS AND SOCIAL MEDIA

Providing regular venues for the dissemination and publication of its researches and other scientific and creative works is integral to UP Manila's operations targeted to its internal and external publics. The start of the first term was an opportunity to strengthen and expand its publication program both in print and online. Towards this goal, the long inactive UP Manila Journal was converted into the **Philippine Journal for Health Research and Development (PJHRD)** for broader scope and wider readership. The peer-reviewed journal that currently comes out quarterly covers topics on environmental and human health. The PJHRD provides access to high quality articles from multiple disciplines that include, medicine, the allied health sciences, public health, health social sciences, health professions education, and health policy and governance.

An aggressive solicitation of papers led to the publication of a total of 11 issues from Nov 2014 to Oct 2017 that contained a total of 61 papers on a wide range of health themes. The productive harvest of papers of published papers was sustained from Nov 2017 to Oct 2020, with a total of __ issues published that featured __ papers on different health and biomedical topics.

Meanwhile, another journal, The **Acta Medica Philippina** that publishes the researches of the College of Medicine and College of Public Health, marked its 80th anniversary in 2019. First published in July 1939 under the editorship of Dr. Antonio G. Sison, it is included in the Western Pacific Regional Index Medicus, is officially indexed in SciVerse Scopus and is accredited by the Commission on Higher Education as among the few refereed journals since 2010.

The journal has raised the bar for the whole of UP with the global rankings of the UP System going up because of the increased citations for the papers of faculty members published in the journal. Publishing researches that addressed the country's pressing health problems, the Acta Medica documents crucial findings that can be used in policy-making for target institutions towards a healthier Filipino community. The history of Acta is replete with the history of medicine in the country with all the burning issues, advocacies, and breakthroughs in medicine that were published in the Acta.

Other publications released for the period in review were brochures, a bi-annual community health magazine with a different health theme per issue, and newsletters. When the Covid 19 pandemic struck and the need for accurate and updated information became evident, the UP Manila Healthscape newsletter was converted into an online publication with regular issues prepared that focused on Covid 19-related topics. These issues, with the PJHRD, and other information materials were also uploaded in the website and the university's social media accounts.

The use of social media, such as Facebook, Twitter, YouTube, and the mobile technology through InfoBoard was systematized and intensified to make them effective and responsive as platforms for the promotion of the programs, projects, and services of the university, including dissemination of urgent and major news and announcements to its faculty, staff, students and alumni.



OPERATIONAL EFFICIENCY FOR

Enhanced Services and Protection of Human Assets



UP Manila is committed to improving operational efficiency through enhanced quality management system that includes streamlined processes, utilization of innovative technologies, adopting best practices, and improving working conditions.

Several new initiatives and continuing projects have strengthened operational foundations the past six years to ensure the enhancement of services for all stakeholders and protection of its human assets.

AT A GLANCE

- Pursued **ISO 9001-2015 certification** as part of UP Manila's commitment to provide quality programs, projects, and services to its various stakeholders
- **Enhanced the Psychosocial Wellness Network** to better prevent and manage mental health cases among the students and other community members
- Developed mobile applications and strengthened the **Guidance and Counseling Program** as additional venues to consult with students for their problems, concerns, and issues especially during the Covid 19 pandemic
- Developed online mechanisms for employees to ensure productive work schedules and safeguard their health and well-being, such as the **online Daily Time Record, Bayanihan Employee Symptoms Tracking System (BESTS)**
- Established a **One Stop Shop for Retirees** to assist them in securing and submitting documents for retirement processing
- Transformed the **Office of Organic Bids and Awards** into the Procurement Office for streamlined processes, accountability, competitiveness, and public monitoring
- Strengthened the Central Point of Contact through the **online Document Assessment and Tracking System (DATS)** for faster and easier monitoring of documents while closely guarding data privacy.
- Conducted more relevant and regular **seminar workshops** based on identified needs to increase the skills and capacities of the employees and strengthen values formation

QUALITY MANAGEMENT SYSTEM

The pursuit of ISO 9001:2015 certification started in September 2019 as part of UP Manila's commitment to provide quality programs, projects, and services to its various stakeholders. ISO 9001:2015 specifies the requirements for a quality management system when an organization:

- a) needs to demonstrate its ability to consistently provide products and services that meet customer and applicable statutory and regulatory requirements, and
- b) aims to enhance customer satisfaction through the effective application of the system, including processes for improvement of the system and the assurance of conformity to customer and applicable statutory and regulatory requirements.

Initial Activities

Phase/ Activity	Date	REMARKS
PHASE 1 – PLANNING AND EDUCATION		
1. Gap Analysis/ Initial System Evaluation	July 18, 24, & 25, 2019	Completed
2. Project Plan Development/ Establishment Quality Policy, Objectives and Plans	November 28 & 29, 2019 & February 04, 2020	Completed
PHASE 2 – DOCUMENTATION		
PHASE 2A – Documentation Seminars/ Workshops		
1. Appreciation Course on ISO 9001:2015 Standard	August 16, 2019	Done
2. QMS Documentation Course (1md converted to 7S Workshop)	September 11, 2019	Done
3. 7S Workshop	January 31 & February 03, 2020	Done
PHASE 2B – Documentation Development (Setting-up the QMS)		
1. Compliance Obligations	October 7, 2019	Done
2. Risks and Opportunities Assessment (ROA)	October 7, 16, 17, 23, 24, November 4, 5, 2019 & March 03, 2020	Done
3. Tutorial for Central Document Controller (CDC) and Document & Records Custodians DRCs)	October 14, 2019	Done
PHASE 2C – Documentation Package		
1. Preparation of QMS Policy Manual/ Quality Manual (QM)	October 16-17, 2019	Completed
2. Preparation of Management System Procedures and Associated Forms	November 04, 2019	Completed
3. Review and Updating of Operational Procedures and Associated Forms	August 6, 19, 20, 22, September 16, 19, 20, October 1, 3, 8, 9, 10, 15, 16, 17, 22, 23, 24, November 6,7,8 & 15, 2019	Completed
NOTE: QMS Kick-off / Formal Start of QMS Implementation	January 06. 2020	
PHASE 3 – PROJECT IMPLEMENTATION AND MANAGEMENT		
1. Management Briefing	July 24, 2019	Done
2. Course on Effective Internal QMS Auditing	February 21 & 24, 2020	Done
3. Planning and Preparing for the Internal Audit	March 09, 2020	Done
4. Monitoring of Implementation/ Review of System Implementation	December 12, 2019, February 6, 12, & March 3, 2020	Done

Quality Policy of UP Manila

We, at the University of the Philippines Manila, commit to providing world class higher and advance education, research and extension services in health sciences, responsive to the needs of our stakeholders, the nation and the world. To help achieve UP Manila's vision and mission, we shall implement an internationally recognized management system in our operations, processes and services.

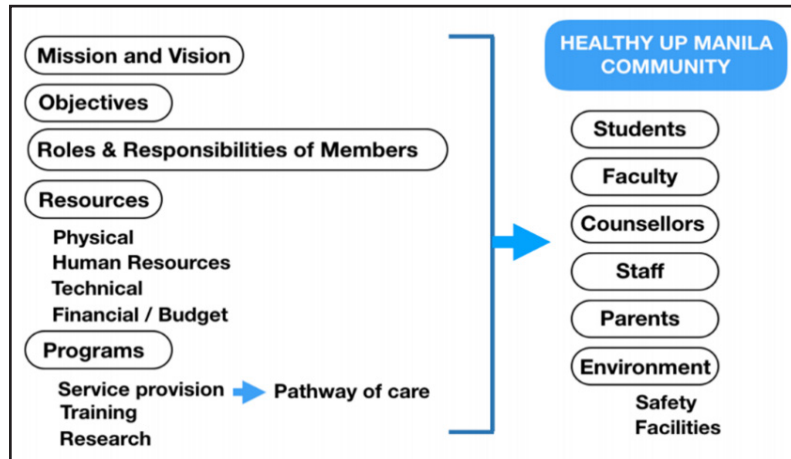
Through this, we shall:

- Comply with applicable statutory and regulatory requirements, the mandates of the University and relevant needs and expectations of our students and other stakeholders, and the requisites of our quality management system;
- Provide our students, employees and other personnel support to grow and achieve their full potential in their respective fields with a strong sense of cultural and historical identity, as well as a shared humanity;
- Continuously conduct integrative and collaborative basic, applied, and clinical research and development in health sciences, contributing to the dissemination and application of knowledge, and shaping national health policies;
- Spearhead in public service by providing various forms of community, public, and volunteer health services, as well as medical, scholarly and technical assistance to the government, private sector, and civil society; and
- As the country's center of excellence in the health sciences, establish objectives aimed at continually improving the efficiency of our operations, processes and services. We shall make this policy an integral part of our day-to-day services to ensure that it continuously provides us overall directions in improving our overall performance and quality management system in our relentless efforts towards excellence.

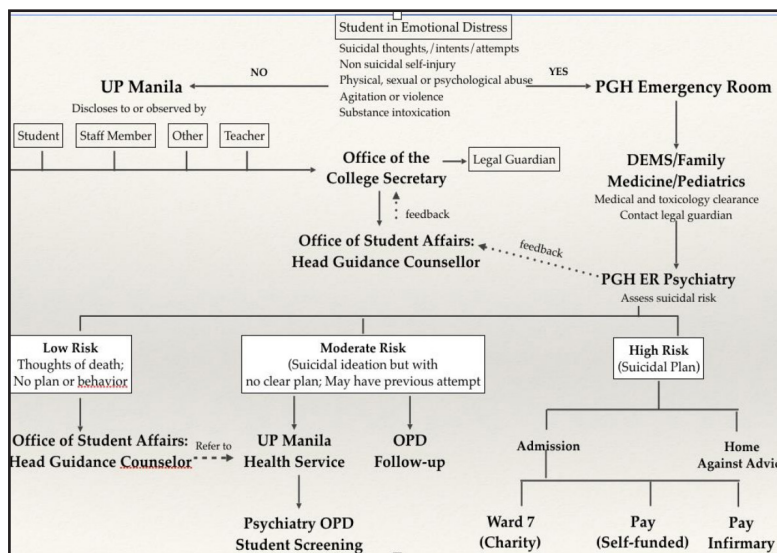


ENHANCED PSYCHOSOCIAL WELLNESS NETWORK (PSWN)

The Psychosocial Wellness Network (PSWN) was developed in 2016 to promote the mental health of all UP Manila students through collaborative work involving the Office of Student Affairs (OSA) and all nine colleges of UP Manila as part of the goal of fostering a healthy campus climate.



A referral flowchart was created to streamline the process of referral of students in mental crisis. A screening tool is used to assess the severity of risk to determine which steps to take on the referral flow scheme.



Form 2

PHQ-9: Modified for Teens

Name: _____ Clinician: _____ Date: _____

Instructions: How often have you been bothered by each of the following symptoms during the past two weeks? For each symptom put an "X" in the box beneath the answer that best describes how you have been feeling.

	Not At All	Several Days	More Than Half the Days	Nearly Every Day
1. Feeling down, depressed, unable, or hopeless?				
2. Little interest or pleasure in doing things?				
3. Trouble falling asleep, staying asleep, or sleeping too much?				
4. Poor appetite, weight loss, or overeating?				
5. Feeling tired, or having little energy?				
6. Feeling bad about yourself – or feeling that you are a failure, or that you have let yourself or your family down?				
7. Trouble concentrating on things like school work, reading, or watching TV?				
8. Moving or speaking so slowly that other people could have noticed? Or the opposite – being so fidgety or restless that you were moving around a lot more than usual?				
9. Thoughts that you would be better off dead, or of hurting yourself in some way?				

In the past year have you felt depressed or sad most days, even if you felt okay sometimes?
 Yes No

If you are experiencing any of the problems on this form, how difficult have these problems made it for you to do your work, take care of things at home or get along with other people?
 Not difficult at all Somewhat difficult Very difficult Extremely difficult

Has there been a time in the past month when you had serious thoughts about ending your life?
 Yes No

Have you EVER, in your WHOLE LIFE, tried to kill yourself or made a suicide attempt?
 Yes No

If you have had thoughts that you would be better off dead or of hurting yourself in some way, please discuss this with your Health Care Clinician, go to a hospital emergency room or call 911.

PHQ-9 total score: _____ Severity score: _____

Modified with permission by the CLAC-PC team from the PHQ-9. Wilson, G. & Cleary, D. (2000).

Components

The PSWN focuses on activities that promote mental health, provide programs and interventions to prevent and address mental illness.

- a) Mental health seminars on resiliency, mindfulness and suicide organized together with the Association of Parents-Counsellors were provided to students.
- b) A capacity building seminar on Suicide Literacy and Intervention was done last 5 December 2019, attended by 31 professionals including members of the PSWN, faculty and staff from the different colleges. The objective was to build local capability for suicide prevention and management in UP Manila. In this two-day training program, participants learned and practiced the skills needed to identify

a student who may be thinking about suicide, and to competently intervene to help create a safe plan, as a first aid approach. Using the highly effective chamber theatre and expressive arts technique, they delivered the training for UPM adults who serve as front-liners to students who report extreme emotional distress and self-injurious behavior.

c) A Crisis Intervention and Postvention Protocol Manual was written to provide directives and ground rules on how to respond to attempted and completed suicide within the university campus and outside its domain. This protocol helps the university respond in a methodical, appropriate, and considerate manner. It summarizes the steps on what to do and whom to contact to decrease confusion in the community

d) A mobile counseling application, LiftUP was developed exclusively for bona fide students of UP Manila. It is a chat application where students can talk to a counselor or peer facilitator of their choice. This was launched in October 2018 during the Mental Health Month and has been running since.

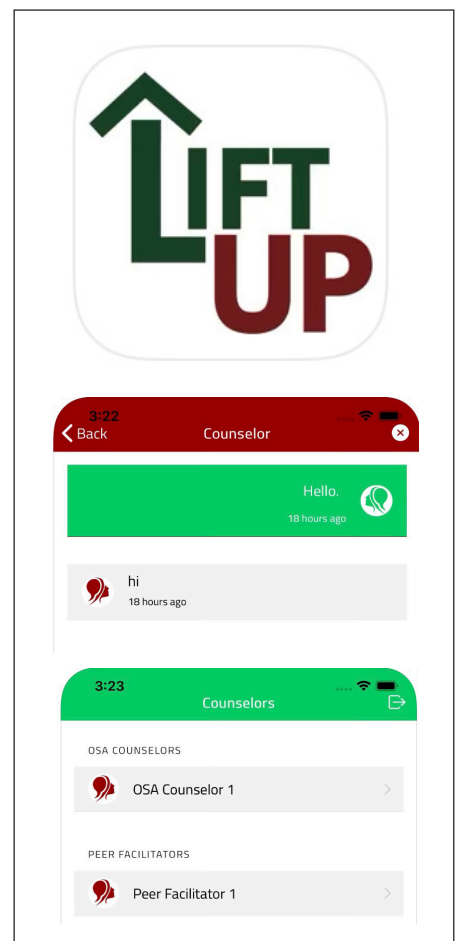
This application provides students' anonymity since it has been evident that not all individuals are comfortable sharing their thoughts face-to-face. It is manned by the counselors from OSA and Student- Peer Facilitators who are trained to do peer counseling work. It runs from Mondays-Fridays from 8:00 am to 7:00 pm. During the scheduled application time-out, contact numbers of 24/7 mental health lines are provided to make sure that the students can have other options to ask for help.

An initial training was done for student volunteers from the Peer Empowering Peers organization (PEPS) who were placed as Peer facilitators on the application. A manual for Peer Counseling training was created in 2019 by the collaboration of UP-PGH Department of Psychiatry and Behavioral Medicine and UP Manila Office of Student Affairs. This manual was first used in the training of the fellows from Adolescent Pediatrics last November 2019 and was followed-by training for student volunteers from PEPS on February 2020.

Currently, Lift UP is being utilized by students particularly now as the counseling services shifts to digitization due to the pandemic.



Dr. Dinah Nadera and her team from the Foundation for Advancing Wellness Instruction and Talent conduct suicide intervention skills seminar



Guidance and Counseling Program

The Guidance and Counseling Program (GCP) of OSA offers support and assistance to UP Manila students to achieve and maintain an optimal mental wellbeing. Using face to face and online technology modalities, guidance, counseling, follow-ups and career information and placement are provided to the students. The following are the methods used by our counsellors during this pandemic



1. Google Hangouts

This is one of the channels used to provide psychosocial and counseling services to UP Manila students online during this pandemic. It is a messaging platform where students can send messages to their counselor of choice. Students may opt to use their respective UP emails, or an anonymous email should they wish to keep their identities confidential. The counselors' details are posted on the Office of Student Affairs' and Guidance and Counseling Program's Facebook pages and website.

2. Counseling via mobile phone

This is another modality used to provide remote psychosocial and counseling services to UP Manila students who may not have a stable internet connection. They may choose to either call or text the number(s) provided on the ads posted on the Office of Student Affairs' and Guidance and Counseling Program's Facebook pages and website.



3. Kumustahan series

The SARS CoVID-19 and the consequent Enhanced Community Quarantine (ECQ) have brought major and abrupt changes in the students' daily routine and disposition, compromising their mental and psychosocial well-being. To help students with their psychosocial needs the GCP provided video group counseling to assist and facilitate them in clarifying their feelings, releasing their emotions, and understanding themselves better.

Intended to be a continuing series, the first session was made available to pre-selected student representatives. An assigned GSS facilitated the initial assessment and the students' present situation, obtaining some basic information relevant to the College which was the parameter of the conversation. An SPSS assisted the facilitating GSS. Appropriate debriefing and response were also given, while relevant updates on scholarship matters were announced. The "Kumustahan" (as a series) ensures that psychosocial support is provided to UPM students amid the SARS CoVID-19 pandemic, as the migrated programs were introduced to the students.

Predominant problems centered on complying with curricular requirements and health anxieties. The “Kumustahan” series helped the students cope with the feelings of boredom, isolation, frustration, loss of freedom, physical inactivity, and other psychological problems. As a virtual “safe space,” it allowed students to express their academic, career and relational concerns and issues during the peak of the community quarantine, with support provided by the counselors and the Student Relations Officer on mental health and student welfare, respectively.

STUDENT DEVELOPMENT AND WELFARE



The university is committed to ensuring the wellbeing of its students by fostering a healthy environment and holistic learning experience. The Office of Student Affairs provides responsive student support services through different programs and activities on guidance and counseling, career development and student internship, and financial assistance that are integral to their productive and rewarding stay in the community.

Debate Intercollegiate Cup

Held last September 21, 2019 and participated by all colleges of UP Manila including SHS, this program aims to improve communication skills, encourage students to think critically and to express their views effectively, solve problems creatively, and be well informed about current issues. Topics debated included women only referendums for laws on reproductive rights, decriminalization of drugs, effect of social media on mental health, and glorification of the EDSA revolution.



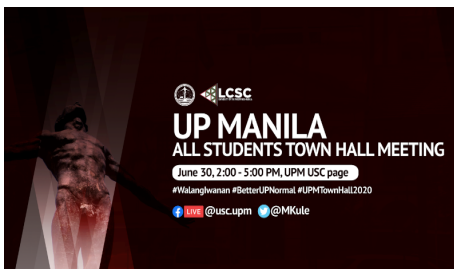


UP Manila Student Dormitory

The 8-floor dormitory was opened to the students last 5 March 2020. It can accommodate 248 residents. Due to the pandemic, the dorm now houses the offices of the UP Manila Central Administration, volunteers of the PGH Bayanihan Center, UP Manila employees and NIH personnel.

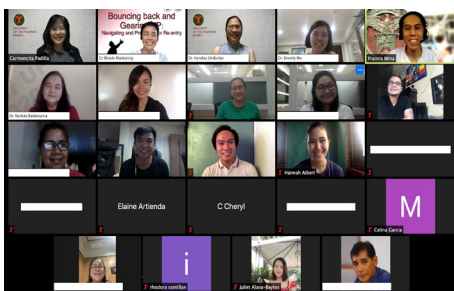
Town Hall Meeting

A webinar-based platform and live streaming in FB was used to broadcast and accommodate discussions between the University System and UP Manila officials and the students of UP Manila. This was the venue used by the administration to inform students on how the incoming academic school year will be laid out. Students were able to express their concerns regarding the online classes that will be started in the AY 2020-2021 due to the COVID 19 pandemic.



Webinar for UP Manila Students

A webinar entitled “Bouncing Back and Gearing Up: Navigating and Preparing for Re-Entry” was held last 8 July 2020 to provide key information to students, faculty, and university personnel that will help them as they prepare both physically and mentally to gradually re-engage the “new normal” in the education setting. The webinar identified safe and better ways of remote learning for the students due to the changes brought about by the CoVID-19 pandemic. A total of 1,906 individuals registered and participated in the said webinar. This includes audiences from UP Manila, other educational institutions, and the public.



Counseling Services

The Guidance and Counseling Program (GCP) of the Office of Student Affairs (OSA) provides personal, psychological, and academic advice to students to help them deal with a host of issues affecting personal growth and well-being. Counseling services are provided to walk-in clients and those students referred by the faculty, staff, and parents. The counselors work closely with the college secretaries by establishing open communication lines and doing regular referrals.

First year students who are vulnerable to college challenges are monitored annually through intake interviews to check on their adjustment. Block activities were facilitated to strengthen their social support. Yearly series of career symposia called EKN or Eto Kami Ngayon were held to help students get to know more career options for their chosen degree programs.

Since the start of the pandemic, online consultations were done using the following online applications: LiftUP, a mobile counseling application where students can chat anonymously with guidance counselors and peer facilitators, Google hangouts, a messaging platform where students can send messages to their counselor of choice, and Kumustahan series, a video group counseling assistance done for each college of UP Manila.



Association of Parents-Counselors of UP Manila: Partner in Promoting Student Welfare

The Association of Parents-Counselors of UP Manila (APC-UPM) was created in 2004 to contribute to the university's efforts in promoting student welfare through provision of scholarships to indigent students that later on expanded to include the goal of values inculcation and continuing education for students.

Composed of parents of UP Manila students and guidance counselors of the University, it is the only parent association of its kind in the UP System. Now on its 13th year, the APC-UPM caters to the varying needs of parents and students. As partners in student development, the parents are provided programs by the Office of Student Affairs' Guidance and Counseling Program that enhance their effectiveness as parents to students.

In partnership with the APC-UPM Board, the GCP provides parenting seminars and orientation to new students and their parents. The purpose of which is to give proper and relevant information about student services, student life, and more. Seminars and trainings on special topics that are relevant to their roles and responsibilities as UPM parents are regularly held. Experts from relevant fields are invited to act as resource persons.

Since then, the APC-UPM has expanded its activities to include providing scholarships to financially needy students through the program 'Tulong Mo, Iskuling Ko.' Many students have benefitted from the tuition and living, and miscellaneous allowances extended by the APC through its financial assistance program and the lectures and seminars on vital issues affecting the students aimed at their holistic development.

Services for Students of UPM-SHS Baler

Guidance and counseling services are also provided to the students of SHS Baler. As an extension campus of the University, the student's unique life backgrounds represent the SwAN (Students-with-Additional-Needs) population. Specialists conduct group dynamics activities and individual counseling to the students, while Scholarship Officers assist in identifying those most-in-need to receive financial assistance from private benefactors. The GAD committee members of OSA meanwhile, distribute gender-sensitive hygiene and self-care kits, and other needed items.

In-between visits, the Guidance Services Specialists monitor the STaR (Students-at-Risk) through regular coordination with the administrative and faculty contacts. Student Nurses who come to the City of Manila are also supported by the Office of Student Affairs to assist them adjust to life in the metropolis during the duration of their clinical rotations. Individual and group guidance sessions are conducted to help them allay their concerns while completing their rotations

Summer Bridge Program

This is a program for incoming first year students who are provide advanced lectures in different courses even before they start the academic year in UPM that include an annual Psychology class . The GSS provides a 3-hour psycho-education on a topic that is apt for freshmen students. This session is also an opportunity for the GSS to introduce the mental health services available in UP Manila through the Office of Student Affairs. The class is not only limited to a lecture but also employs group dynamic activities.



FINANCIAL ASSISTANCE

Socialized Tuition Scheme

There was a significant drop in the number of students who availed of the Socialized Tuition System during the years 2018 to 2020 compared to 2014-2017 due to the free tuition and exemption from other fees in state universities and colleges mandated by law. From 2000 students who applied to the STS in the AY 2017-2018, an average of 500 students availed of the STS during the past two years. There was a gradual increase in the number of students aided by the Full Discount with Stipend for the past two academic years (38 to 51).

Socialized Tuition System / Grants-in-Aid Program			
	AY 2017-2018	AY 2018-2019	AY 2019-2020
Total Number of Applicants	2203	524	400
Breakdown of Approved Brackets for:			
No Discount (ND)	404	127	30
Partial Discount 33% (PD33)	828	166	136
Partial Discount 60% (PD60)	778	139	163
Partial Discount 80% (PD80)	171	42	32
Full Discount (FD)	19	12	15
Full Discount with Stipend (FDS)	3	38	24
Breakdown per College			
CAMP	192	10	30
CAS	745	88	174
CD	225	15	49
CM	573	372	71
CN	103	11	21
CP	266	25	45
CPH	99	3	10
Total Number Of Appeal Applications	130	132	143
Appeal Approved for FDS	4	38	51
No. of Appeals approved for lower brackets	13	81	110

Note: SLAS/GIAP/STS Applicants from SHS Campuses were endorsed for the Learning Assistance Grant of UP System.

Student Loan Board

To accommodate students who wish to apply for financial assistance to defray expenses for their education, the SLB provides loans to students with an average of 56-69 requests processed during the past three years. The top three colleges, for student loans were the Colleges of Arts and Sciences, Medicine and Public Health.

Student Loan Data 2017-2020		
College	Number of Loan	Total Amount of Loan
CAS	53	673,582.50
CP	23	241,527.50
CPH	47	376,186.75
CM	48	932,266.00
CAMP	16	174,869.50
CD	8	109,437.00
CN	3	17,200.00
NTTC-HHP	5	26,534.50
GRAND TOTAL	203	2,551,603.75

Student Assistantship

The Student Assistant program provides undergraduates the opportunity to work and earn on campus while pursuing their studies in the University. An average of 50-70 undergraduates per year availed of this benefit. The program also serves as an early training and exposure of the students in the different fields of work and responsibilities being fulfilled by the university and deepens their understanding and appreciation of the vision, mission, goals, programs and services of the university.

Student Assistantship Program Report 2017-2020			
College	AY 2017-2018	AY 2018-2019	AY 2019-2020
CAMP	4	0	0
CAS	105	106	98
CD	17	16	8
CM	1	0	0
CN	7	22	4
CP	4	20	11
CPH	9	4	3
Total No. of Applicants	147	168	124

STAFF BENEFITS AND DEVELOPMENT



The UP Manila Staff Development Program aims to provide the well-rounded professional development of the employees, cultivate further their abilities and skills, and revisit their values and attitudes towards being more productive and responsible members. . Towards this goal, the conduct of the Awakening Seminars provided the opportunity for employees to be reoriented on relationship building, communication processes, and conflict management in the workplace, later zeroing-in on Work Attitude and Values Enhancement (W.A.V.E.) to enable employees see value in their work and align these with the University's vision, mission and goals.

Awakening 1

The training aimed to contribute to the development of the organization through the enhancement of its office personnel in terms of aptitude and attitude towards work, acquisition of interpersonal skills for better service and relations, intra-personal growth for their own persons, (necessary for the organization) and, a more developed social commitment to the organization as a whole.

Awakening 2: Work Attitude and Values Enhancement (W.A.V.E.)

Its main goal is to forge a common understanding of the Vision, Mission and Values of UP Manila, thus, aligning all organization's efforts in pursuit of excellence. The program also aimed to align attitude towards work, attitude towards leaders, co-workers, and customers. At the end of the program, the participants helped create a sustainable structure that will continuously motivate the human resources to perform excellently towards a common goal.



Seminar Workshops and Webinars

Regular seminar workshops based on identified needs of the employees were conducted to upgrade the capacities and skills of the employees and strengthen values formation towards making them more productive and fulfilled members of the institution. Topics for the seminars included enhancing competencies, anger management, managing conflicts, crafts and livelihood opportunities, orientation on retirement processes and benefits entitlement, Freedom of Information, Data Privacy, and others.

During the lockdown, two webinars were conducted. One was entitled, "Protecting Oneself... Preparing Oneself in the Advent of the New Normal" held on May 26. that tackled the protective measures and mental health preparation needed by employees and another entitled "Paglinang ng Kakayahang Makapagtrabaho sa Tahanan" on how to enhance the employees' mindset and ability to work from home.

Expanded Enhanced Hospitalization Programme (eHOPE)

In 2011, UP Manila started to implement the Financial Assistance Program for Hospitalization Expenses (FAPHE) that granted faculty members and permanent employees a P200,000 financial assistance for hospitalization at the Philippine General Hospital. This was complemented by the grant of the UP Manila Health Benefit Fund that entitles regular faculty and staff to P100,000 hospitalization expenses every year.

This program benefits UPM employees occupying regular items, whether full-time or part-time, contractual, and casual positions, with at least one (1) year of continuous service at the time of hospitalization or confinement. Part-time employees are entitled to Php 50,000/year, which is half of the maximum amount. This eventually became Enhanced Hospitalization Programme (eHOPE) and was adopted UP systemwide on 24 November 2016.



The eHOPE provides financial assistance for hospitalization expenses incurred during confinement and financial assistance for medicines related to the covered confinement and prescribed upon discharge of the employee. The following hospitalization expenses incurred during confinement are covered under eHOPE:

- a. Medical diagnostic procedures such as ultrasound, MRI, X-ray, CT scan, biopsy, mammography, echocardiography, angiogram, blood chemistry, and other laboratory examinations
- b. Prescribed drugs and medicines in accordance with the Generics Act of 1988 (RA6675).
- c. Professional fees of Philhealth

One Stop Shop Clearance for Retirees

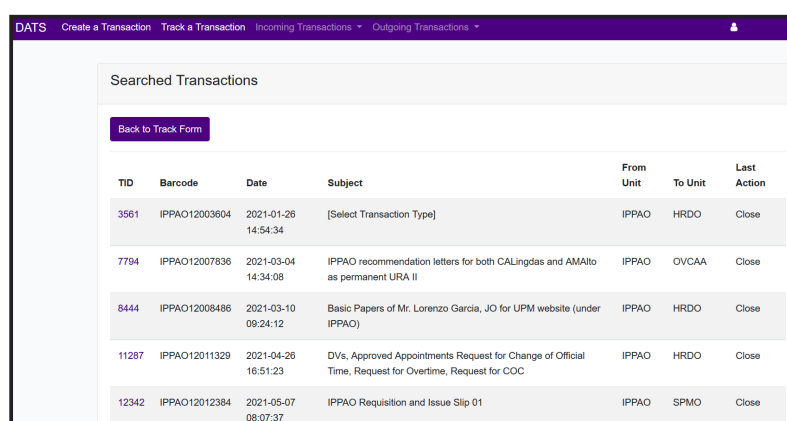


Recognizing the contributions and services of then UP Manila senior faculty and administrative staff and REPS to the University, the HRDO offered this one stop clearance program where the retirees need not go to each of the offices to secure needed documents. The HRDO sends their names to the offices and certifies that said retiree has no accountability in that office. If the retirees have accountabilities in certain offices, then the retirees are notified so that they can settle these beforehand.

Streamlined Office Systems

The Central Point of Contact was strengthened through the **online Document Assessment and Tracking System (DATS)** for faster and easier monitoring of documents while closely guarding data privacy. The DATS is a system that aids in assessing and tracking document transactions within UP Manila to promote operational efficiency and faster communication on these transactions.

The **Organic Office of the Bids and Awards Committee (OOBAC)** approved during the 130th meeting of the Board of Regents on 22 July 2015 was a big boost to the infrastructure projects as it pushed forward in one round UP Manila projects. The OOBAC is mainly tasked with providing technical assistance on procurement matters/concerns to the UP Manila chancellor as Head of Procuring Entity through the Vice Chancellor for Administration. It serves as the clearing house and monitoring arm on procurement for timely and accurate reporting to the management, funding agencies, end-users, and other stakeholders.



The screenshot shows the DATS interface with a navigation bar at the top containing 'DATS', 'Create a Transaction', 'Track a Transaction', 'Incoming Transactions', and 'Outgoing Transactions'. Below the navigation bar is a 'Searched Transactions' section with a 'Back to Track Form' button. The main content is a table with the following data:

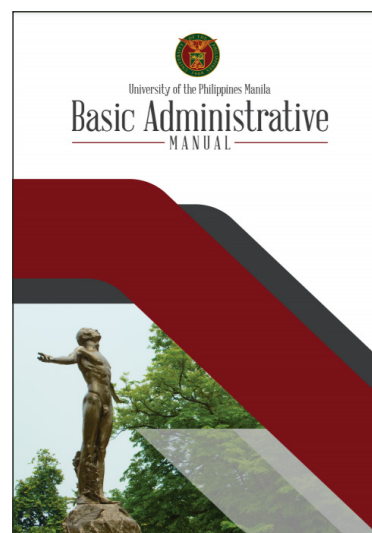
TID	Barcode	Date	Subject	From Unit	To Unit	Last Action
3561	IPPAO12003804	2021-01-26 14:54:34	[Select Transaction Type]	IPPAO	HRDO	Close
7794	IPPAO12007836	2021-03-04 14:34:08	IPPAO recommendation letters for both CALingdas and AMAlto as permanent URA II	IPPAO	OVCAA	Close
8444	IPPAO12008486	2021-03-10 09:24:12	Basic Papers of Mr. Lorenzo Garcia, JO for UPM website (under IPPAO)	IPPAO	HRDO	Close
11287	IPPAO12011329	2021-04-26 16:51:23	DVs, Approved Appointments Request for Change of Official Time, Request for Overtime, Request for COC	IPPAO	HRDO	Close
12342	IPPAO12012384	2021-05-07 08:07:37	IPPAO Requisition and Issue Slip 01	IPPAO	SPMO	Close

In 2019, the OOBAC was transformed into a Procurement Office for streamlined processes, competitiveness, accountability, and public monitoring. Implemented the automated payroll system, checkless/cashless payments, and collection.

Responsible for seeing to it that procurement through public bidding or through negotiated procurement of goods, infrastructure projects, and services follow the provisions of RA 9184 (Procurement Law) from the start (PHILGEPS posting) to finish (awarded to the winning bidder, and closing the PHILGEPS); and ensure that procurement is done within the prescribed period. This reflects on the absorbability of the University to make use of GAA funds, System and UP Manila funds and other grants/funds given to the University.

UPM Basic Administrative Manual

The UP Manila Basic Administrative Manual, 3rd Edition, 2019 serves as a reference of our leaders, middle level management, and employees; written in ISO format and serves as a ready reference for the university's pursuit of ISO certification. The manual reflects the policies and procedures that are aligned with national government policies and procedures on fiscal management, budget allocation, procurement, property custodianship, accounting, bidding, auditing, and human resource development. It is intended to serve the constituents in defining, understanding, and communicating university policies and procedures, identifying responsibilities, and providing guidelines in the performance of specific administrative tasks and procedures.

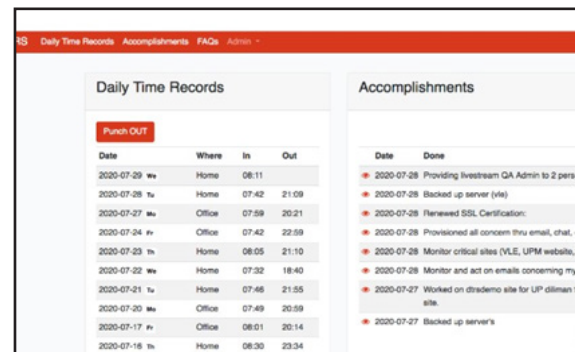


RESPONSE TO COVID 19

The continuing operations of UP Manila during the quarantine period are guided by the following safety and health standards aligned with the Department of Trade and Industry (DTI) and Department of Labor and Employment (DOLE) Interim Guidelines on Workplace Prevention and Control of COVID-19. UP Manila Introduced online mechanisms as alternative ways of doing business.

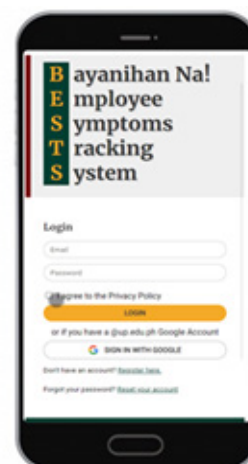
1. Online DTRS system

An Integrated Attendance and Accomplishment Monitoring System was implemented where all employees register and use the electronic **Daily Time Record System (DTRS)** to submit daily accomplishments. This application was developed pursuant to Memorandum No. NGY 20-57 on "Additional Guidelines on the Submission of Work Accomplishment Reports". It system was created by the Information System Management Service (IMS) and is being used whether the employees are working from home or reporting onsite as part of the skeleton force.



2. UP Manila BESTS Application

Pursuant to Memorandum No. CCDP-2020-097, the National Telehealth Center developed the **UP Manila Bayanihan Na! Employee Symptoms Tracking System (BESTS)**, a web-based application designed to help monitor and keep track of the health status of UP Manila employees during the COVID-19 pandemic. Effective July 1, 2020 ALL UP Manila and PGH employees, whether working from home or onsite as part of the skeleton staff workforce, were required to register and use the BESTS application. BESTS runs on a web browser via laptop or smartphone.



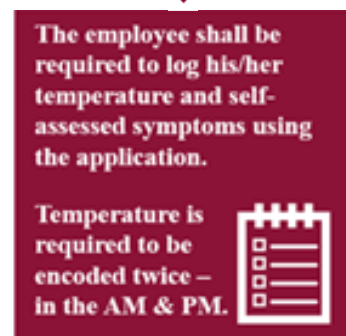
Privileges	Level 1 Employee	Level 2 Unit/ Department Heads	Level 3 College/ Institute/ Hospital Head	Level 4 UP Manila and PGH Head
One-time registration	✓	✓	✓	✓
Encode symptoms	✓	✓	✓	✓
Submit symptoms data	✓	✓	✓	✓
View personal report	✓	✓	✓	✓
View employee names in system notifications		✓	✓	✓
Assign users to level (1 level lower)		✓	✓	✓
Receive email notifications/alerts		✓	✓	✓
View assigned Unit/Department reports			✓	✓
View all Units/Department/College reports			✓	✓
View all UP Manila and PGH reports				✓

Everyday thereafter, employees are required to log their temperature, and self-assessed symptoms using the BESTS application. If the employee records a temperature of ≥ 37.8 Celsius, has any other symptoms as listed in the app, and/or has answered “Yes” to possible exposure to a COVID-positive individual, the employee is instructed to refrain from going to work.

The immediate supervisors of all such employees are automatically alerted by the BESTS application via an email notification and/or smartphone notification. The supervisors will be the ones in charge of advising their employees to consult with the UP Manila Health Service/PGH HICU through UP-PGH Bayanihan Na! Operations Center (BNOC) hotline at 155-200.

UP Manila BESTS Access Levels and Privileges

As of 09 July 2020, UP Manila BESTS has 741 REGISTERED users, 406 ACTIVE users, from Philippine General Hospital, National Institutes of Health, College of Medicine, College of Allied Medical Professions, College of Dentistry, School of Health Sciences (Palo, Baler, Koronadal), University Library, and Central Administration (CAD)



DISASTER RISK REDUCTION AND MANAGEMENT (DRRM) SUBCOMMITTEE

The Disaster Risk Reduction and Management Subcommittee under the UPM Health and Safety Committee provided trainings on 1) Basic Incident Command System, 2) Cardiopulmonary Resuscitation Awareness, 3) Disaster Simulation Trainings, and 4) Mass Casualty Incident Trainings. All these trainings equipped our employees with knowledge and skills to act and react during any kind of emergency.



Earthquake Drills Conducted

DRILLS	INCLUSIVE DATE	LOCATION/INSTITUTION
Metroshake 1st Qtr 2019	February 21, 2019	UP Manila
4th Metroshake Drill "Communications Check"	July 11, 2018	UP Manila
NSED "DCH, Head Count"	June 21, 2018	UP Manila
Nationwide EQ Drill	Feb 15, 2018	UP Manila
EQ Incident M 6.1 Lian Batangas during the Continuity of Operations Writeshop	August 11, 2017	UP Manila
3rd Metroshake Drill	July 14, 2017	UP Manila
Metroshake Drill Orientation	July 10, 2017	UP-PGH and UPM
2nd Metroshake Drill	June 22, 2016	UP Manila, PGH
1st Metroshake Drill	July 30, 2015	UP Manila and PGH
Citywide Earthquake Drill	July 2, 2014	UP Manila and PGH
Earthquake Drill	June 17-19, 2014	UP Manila and PGH
Earthquake Drill	June 17-19, 2014	UP Manila and PGH

Fire Drills organized with the participation of Bureau of Fire Protection's Fire Prevention Month

DRILLS	INCLUSIVE DATE	LOCATION/INSTITUTION
Fire and Evacuation Drill	March 13, 2019	College of Pharmacy UP Manila
Fire Prevention Month Kick-off Ceremony	March 4, 2019	BFP Manila
Fire Drill	March 7, 2018	UPM Pharmacy
Fire and Evacuation Drill	June 20, 2017	PGH Central Block and CAD
Fire and Evacuation Drill	June 1, 2017	TMC Clark
Fire and Evacuation Drill	May 29, 2017	College of Public Health, UP Manila
Fire and Evacuation Drill	May 19, 2017	College of Medicine, UP Manila
Fire and Evacuation Drill	May 17, 2017	College of Dentistry, UP Manila
Fire and Evacuation Drill	April 4, 2017	CAS, UP Manila



Fire Drills organized with the participation of Bureau of Fire Protection's Fire Prevention Month

DRILLS	INCLUSIVE DATE	LOCATION/INSTITUTION
Fire and Evacuation Drill	March 23, 2017	College of Pharmacy, UP Manila
Fire and Evacuation Drill	March 15, 2017	CAMP UP Manila
Fire and Evacuation Drill	May 12, 2016	CAMP, UP Manila
Fire and Evacuation Drill	March 21, 2016	UP Manila, College of Nursing
Fire and Evacuation Drill	February 19, 2016	UP Manila, College of Dentistry
Fire and Evacuation Drill	January 29, 2016	UP Manila, College of Pharmacy
Fire and Evacuation Drill	March 20, 2015	ManilaMed
Fire and Evacuation Drill	November 26, 2014	UP Diliman, CDC

Other Activities

DRILLS	INCLUSIVE DATE	LOCATION/INSTITUTION
Disaster Response Simulation Training using XVR and ETS	March 3, 3030	Unilab Bayanihan Annex 2, Room I,J,K; Pioneer Street, Quezon City
Bomb Threat Seminar	November 6, 2018	UP Manila
Katatagan Fair	September 10, 2018	UP Diliman
Preparing the Health Sector and Communities for the Big One	October 4, 2017	All UP Workers Alliance
Acquired Satellite Phones	September 6, 2017	UP Manila
EQ Incident M 6.1 Lian Batangas during the Continuity of Operations Writeshop	August 11, 2017	UP Manila
Continuity of Operations Planning Workshop	June 26-29, 2017	UP-PGH and UP Manila at Baler Aurora
Typhoon and Flood Evacuation Drill	June 9, 2017	UP-PGH
Workshop "Developing a DRRM Plan"	March 27, 2017	UP Manila
Workshop "Risk Assessment"	March 15, 2017	UP Manila
Tabletop Exercise and Orientation "Typhoon and Flood Hazards"	March 6, 2017	UP Manila with PAG-ASA and Project NOAH
Bomb Threat Drill	September 27, 2016	UP-PGHOPD and UP Manila College of Medicine
MCI Drill PGH EMS	November 24, 2014	PGH
Bomb Threat Drill	August 29, 2014	UP Manila and PGH

Basic Incident Command System (ICS) Training

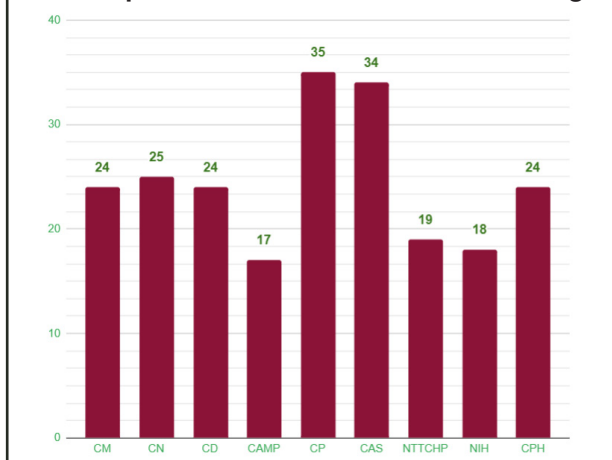
The training was facilitated by the Office of Civil Defense which provided the participants significant information on the concept of ICS, establishment and transfer of command, management of major incidents, and identification of objectives and necessary resources during emergency situations. A three-day course for Basic ICS Training was conducted last April 24-26, 2019 that was attended by 24 participants, with at least 2 representatives from each colleges/unit.



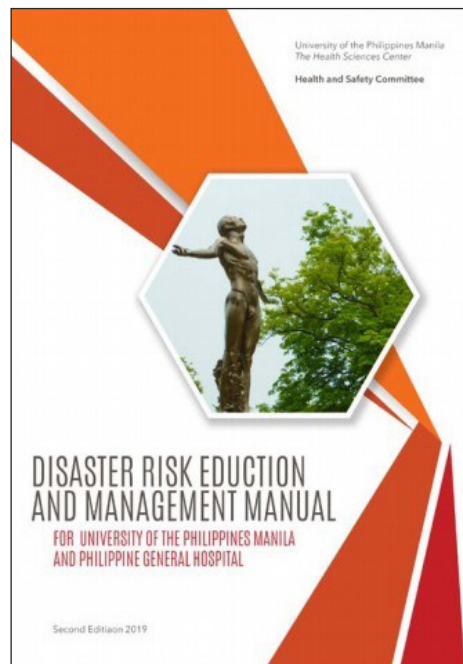
Cardiopulmonary Resuscitation (CPR) Awareness Training



Participants of CPR Awareness Training



The committee conducted nine CPR Awareness trainings with a total of 220 participants. The training ran from October to December.



Disaster Risk Reduction & Management Manual for UPM and PGH, 2nd Edition, 2019

The Disaster Risk Reduction and Management (DRRM) Manual for University of the Philippines (UP) Manila and Philippine General Hospital (PGH), serves as a practical guide for mitigation or prevention, preparedness, response, and post-disaster recovery or rehabilitation.

Heightened Institutional and Individual Extension Services



With the larger society as its broader setting, UP Manila is constantly exploring and developing ways to reach out by heightening and varying its extension services according to the needs and realities in the communities.

Its public service programs not only complement its academic and research goals but also address specific needs and problems in health and related fields.

During the past three years, UP Manila continued to demonstrate its strong sense of nationalism and a passion to serve the country through its partnership with the Department of Health in

implementing enacted laws on vision screening and management of rare disorders and providing inputs to the formulation of the Implementing Rules and Regulations of the Universal Health Care Act.

The university also strengthened the provision of community, public and volunteer services through its Community Health and Development Program, Ugnayan ng Pahinungod programs, continuing education activities, capability building initiatives, consultancies and secondments of its faculty members in national and international institutions, and organizations, and medical, technical, and scholarly assistance to the government, private sector, and civil society.

AT A GLANCE

- Enactment of **RA 11358** or the **National Vision Screening Act of 2019**
- Enactment of **RA 10747** or the **Rare Disease Act of 2016**
- Capacitating local executives on **health leadership and governance**
- Creation of the **Multi-disciplinary Technical Working Group on Addiction Science**
- Upgrading the **leadership development skills** of public health nurses for their roles in **Universal Health Care Act implementation** and **Primary Health Care**
- Conduct of roundtable discussion on the **Universal Health Care Act** that engaged various stakeholders
- Adopted **Interdisciplinary Education** as an approach in the **Community Health and Development Program**



STRENGTHENING ACADEMIC PARTNERSHIPS WITH THE DEPARTMENT OF HEALTH (DOH) IN THE IMPLEMENTATION OF FOUR REPUBLIC ACTS

As an academic partner of the DOH, UP Manila worked for and intensified its extension services through the implementation of the following laws: **Republic Act 11358 (National Vision Screening Act of 2019)**, **RA 10747 (Rare Disease Act of 2016)**; **RA 9288 (Newborn Screening Act of 2004)**, and **RA 9709 (Universal Newborn Hearing Screening and Intervention Act of 2009)**.

All four laws provide for a wider, stronger, and sustained quality screening, diagnostic and management and interventional services for newborns and children afflicted with vision and hearing disorders and genetic and metabolic diseases that need immediate detection within the prescribed periods. This is to ensure prompt management and avoid possible worse outcomes such as blindness and other visual impairment, hearing disorders, death, mental and physical retardation, if not discovered early.

Expanding Newborn Screening to screen and treat more disorders

One and a half decades after the enactment of RA 9288 or the Newborn Screening Act of 2004, new challenges continue to confront the newborn screening program. The Covid 19 crisis and its lockdowns and limitations that hit the country in early 2000 have reset most of the services in the conduct of the program.

But the pandemic has been underscoring the resiliency, adaptability, dedication, and commitment of the members of the newborn screening community. The past one and a half years have witnessed to how they have been providing needed services for newborns despite the difficulties.

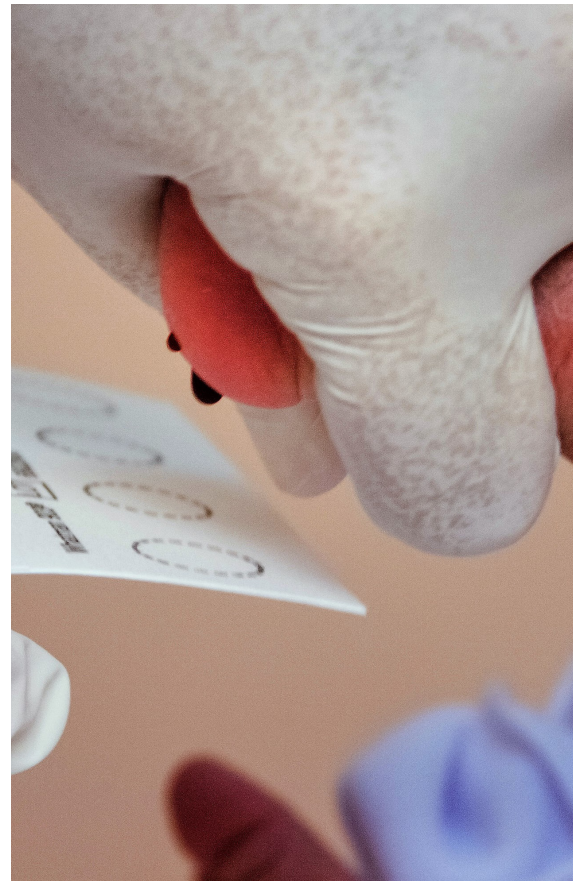
The NBS program leaders and implementers quickly stepped up to coordinate mitigation plans effectively and efficiently while observing standard protocols in But the pandemic is underscoring the resiliency, adaptability, dedication, and commitment of the members of the newborn screening community. The past one and a half years have witnessed to how they have been providing needed services for newborns despite the difficulties.

The NBS program leaders and implementers quickly stepped up to coordinate mitigation plans effectively and efficiently while observing standard protocols in giving quality newborn screening services. In person consultations and meetings with stakeholders pivoted to online orientations, trainings, and advocacy activities to ensure continuity of services and execution of plans.

With urgency and diligence, with the same compliance with quality and efficiency, the logistics side was attended to, including the delivery of kits and essential medical supplies, food, and supplements to patients.

The holding of the annual Newborn Screening Convention as part of the commemoration of the NBS week was held virtually that focused on the Expanded NBS program. This virtual event held on Oct. 14, 2020 was attended by over 6,000 participants composed of health professionals, program implementers, partners, and advocates of newborn screening. It aimed to provide education, technical updates, and best practices on newborn screening operations.

With the overall goal to screen all Filipino newborns by 2030, the NBS continued the implementation of the Expanded Newborn Screening (ENBS) started in 2012 that allowed the detection of more than 28 disorders. The expanded program now screens 29 disorders and includes the continuing challenges and efforts to address them.



Universal Newborn Hearing Screening and Intervention Act of 2009

UP Manila has two units that work with the DOH in implementing RA 9709: the Newborn Hearing Screening Reference Center (NHSRC) and the Philippine National Ear Institute (PNEI). Both are under the National Institutes of Health (NIH).

The Newborn Hearing Screening Reference Center (NHSRC) continues to serve as the technical arm of the Department of Health in the implementation of RA 9709. The NHSRC participated and contributed as members of the National Technical Working Group on Newborn Hearing formed by the Department of Health.

Monthly Newborn Hearing Screening Personnel Certifying Courses were held at UP Manila. Coordinators in different parts of the country have started to hold regular courses hosted by regional offices of the DOH since 2018. As of June 2020, there are 3225 certified newborn hearing screening personnel serving 1040 hearing screening centers in the Philippines.

The NHSRC developed a completely online certifying course which is currently being pilot tested. The Center has also evaluated and certified at least three tablets or android-based hearing screening devices as part of the role of NHSRC.

The formation of the Electronic National Newborn Hearing Screening Registry (ENNHSR) will make the collection of data more efficient. This enhanced database will feature the following: offline and online data entry tools, sync module that can send encoded data to the Fast Healthcare Interoperability Resource (FHIR) database for archiving and storage once internet data is detected, and analytics tools with a web page output that presents data in the form of graphs and tables.

For 2017-2020, the **Philippine National Ear Institute (PNEI)** collaborated and continues to work with the Commission on Higher Education (CHED)/Philippine-California Advanced Research Institutes (CHED-PCARI) for research and novel technologies in the implementation of the Newborn Hearing Screening Program (specifically, the Hearing is Life or HeLe Project). Local production of devices for hearing screening and hearing loss diagnosis were developed.

The PNEI also continues to set-up capacity building workshops for promoting and disseminating information regarding hearing, balance and ear health, as well as, publishing research papers related to newborn hearing screening and the genetics of hearing loss.



RA 10747 (Rare Disease Act of 2016)

The Rare Diseases Act of 2016 was signed into law on March 8, 2016 to provide patients with rare diseases and their families improved access to comprehensive medical care, health information, and healthcare products needed to treat their condition.

The law expands the government's universal healthcare program to cover patients with rare disorders also known as orphan disorders or any health condition resulting from genetic defects that rarely affect the general population. Rare diseases are often chronic, progressive, degenerative, and life-threatening.

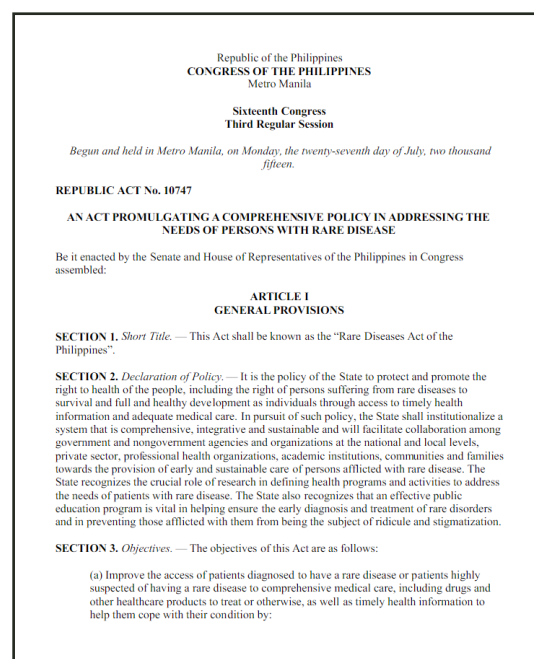
In the Philippines, a disease or disorder is considered rare if it affects one in 20,000 individuals, as defined by the NIH Institute of Human Genetics. The Maple Syrup Urine Disease, mucopolysaccharidoses II, and Hunter Syndrome are among the most common rare diseases in the Philippines. Their rarity makes treatment costly and experts inadequate, if not lacking.

Under RA 10747, patients with rare disease are considered as persons with disabilities and will be granted benefits and privileges such as priority programs and discounts as mandated by the Magna Carta for Disabled Persons.

In addition, it seeks to create and maintain a Rare Disease Registry that will contain data on rare diseases in the Philippines, patients afflicted with rare diseases, and orphan drugs and products. The data will be utilized in formulating policies, identifying program interventions and designing researches that will eventually address the needs of patients with rare disease.

The new law also provides regulatory and fiscal incentives to support research and development studies on rare diseases and facilitate the manufacture and importation of affordable orphan drugs and products.

Even with the enactment of the law, big challenges are still being faced due to the huge cost of individual care and the lack of a national program and sustainable funding. The full implementation of the law as well as the inclusion of rare disease in the Universal Health Care Law are important in providing the needs of these patients.



National Vision Screening Act of 2019

Signed into law on July 31, 2019 by Pres. Rodrigo R. Duterte, RA 11358 mandates the Dept. of Education (DepEd) to lead in the implementation of the National Vision Screening Program in coordination with the Dept. of Health (DOH) and the Philippine Eye Research Institute (PERI) of UP Manila's National Institutes of Health.

Under the Act, PERI is tasked with conducting studies on childhood-related eye vision ailments; being mainly responsible for the training of Vision Screening Trainers for purposes of quality assurance; and recommending the appropriate screening material to be used. Subsequently, the DOH and PERI are expected to provide evidence-based recommendations to the DepEd on matters pertaining to the NVSP. The law is envisioned to benefit two million kindergarten pupils yearly and will greatly reduce preventable and treatable blindness in Filipino children.

For four years from 2015-2019, PERI conducted pilot studies and trainings across the country on vision screening for kindergarten pupils. A policy brief prepared by PERI states that, nationwide, four pupils in a class of 40 have vision problems with three of them possibly having errors of refraction and one having amblyopia or lazy eye. This eye disorder has a prevalence of 2-5% in children, making it one of the causes of visual impairment and preventable blindness.

Pilot Study Results

The program covers all kindergarten pupils in the Philippines. During the past three years, PERI has been conducting pilot studies and trainings across the country, from the Ilocos Region, Nueva Ecija, Iloilo, and Bacolod, and Metro Manila. Out of 863 pupils screened from 19 pilot schools, 713 (83%) passed the screening while 150 (17%) failed. From those who failed, 75% were diagnosed with errors of refraction while 25% were found to have amblyopia. As an immediate intervention, students who failed in the test will be asked to sit in the front PERI Director Dr. Leo Cubillan with a child patient. Teachers at the Cecilio Apostol Elementary School screens kindergarten pupils for possible amblyopia and refraction errors. The UP Manila Health and Life Magazine 26 row of the class and will be referred to eye practitioners for comprehensive examination and further management. As with all screening projects, the detection of the pass and failure rate among the pupils hinges greatly on the ability of the screeners. Dr. Cubillan is optimistic that the introduction of the K to 12 program and the adjustment of the school age entry to five years old would enable the researchers to use this window period as a catchment for children with amblyopia.



CAPACITATING LOCAL EXECES ON HEALTH LEADERSHIP AND GOVERNANCE

Municipal Leadership and Governance Program

Mayors and Municipal/City Health Officers (MHOs) from 15 local government units (LGUs) from the Bicol Region graduated from the Municipal Leadership and Governance Program (MLGP) on 14 June 2019. The event, the MLGP Leadership Retreat and Colloquium, was the culmination of the MLGP program for the local chief executives (LCEs) and MHOs from municipalities in Region V (Bicol Region), specifically from the provinces of Catanduanes, Camarines Sur, Albay, Sorsogon, and Masbate.

The MLGP is a joint project of the Department of Health (DOH) and Zuellig Family Foundation (ZFF) with the UP College of Public Health as the academic partner. The 18-month training program consists of three four-day modules and is anchored on the Bridging Leadership Framework with focus on developing practical leadership and management skills and Primary Health Care.

The purpose of the program is to have better health outcomes by improving local health systems in 609 priority municipalities. The health outcomes are lowering Infant Mortality Rates, Maternal Mortality Rates, Malnutrition Rates, and incidences of Communicable and Non-communicable Diseases. The colloquium covered the brief history of the MLGP journey of Region V as told by Dr. Ernie V. Vera, Director IV, DOH Center for Health Development-Bicol, presentation of the candidates, graduation itself, and sharing of personal stories of transformation by four mayors.

The public narratives shared by Mayors Maria Ahrdail G. Baldo (Camalig, Albay), Cielo Krisel B. Lagman-Luistro (Tabaco City, Albay), Roberto M. Matamorosa (Lupi, Camarines Sur), and Alejandro E. Gamos (Santa Magdalena, Sorsogon) were echoes of the achievements, insights, and challenges in health presented by each of the LGUs in an accompanying exhibit.

Aside from Region V, the CPH also takes care of the training in two other regions under the DOH Centers for Health Development, namely, Region IV-A (CALABARZON) and Region X (Northern Mindanao).





MPH modular program for DOH barrio doctors

The Master of Public Health-Doctors to the Barrios (MPH-DTTB) program was developed after months of planning and discussion between representatives of the DOH and UP Manila. The program faculty includes those affiliated with the College of Public Health, College of Medicine, and College of Arts and Sciences.

The program implements six modules of 18 days each, spread out within the two years of the DTTB deployment. It includes field practice assessments similar to the regular MPH program, in which faculty visit implementation sites.

During its initial implementation, 160 DTTBs of the Department of Health (DOH) were welcomed as new students of the University held on 6 May 2019. The program is a culmination of years of effort that was inspired by the founder of the DTTB, former DOH Secretary Dr Juan Flavio. He envisioned that the program would equip barrio doctors with skills to serve their communities that would merit a master's degree.

Founded in 1992, the Doctors to the Barrios program is a two-year deployment program benefitting doctorless municipalities, especially in geographically isolated and disadvantaged areas. Implemented by the DOHHHRDB, it is considered a launchpad for health system leaders in local government, as well as in the Department of Health, in clinical societies, and in the non-government sector.



Technical Working Group on Addiction Sciences

For a stronger and more active role in addressing the country's drug problem, UP Manila is serving as a key partner in the community-based treatment and rehabilitation of illegal drug users through the UP Manila Technical Working Group on Addiction Science (TWGAS)

The TWGAS was created to confront the worsening issue of addiction, not only to drugs but also to other forms one of which is gaming as declared by the World Health Organization. To jumpstart this community-based program, the TWGAS conducted on August 30-31, 2018 a workshop on curriculum building for community-based rehabilitation workers in the Philippines aimed at harmonizing existing programs and efforts across the country. The workshop tackled other major issues such as decriminalization, policy updates, and profile of the Filipino drug user. In his welcome message,

The event highlighted the need for UP Manila and other universities to strengthen the teaching of addiction science in the undergraduate offerings and to build the capacities of community workers in providing treatment and rehabilitation for drug users. The group started out small but has since spread out to include participants from the World Health Organization, DAP, Dangerous Drugs Board, Department of Health, Department of Interior and Local Government, and nongovernment organizations.

For the community-based program to take off, a critical mass of trained community-based rehabilitation workers is needed. This would require the development of curricula and modules. The multisectoral gathering is hoped to lead to the goal of reducing extrajudicial killings and increasing the number of rehabilitated drug surrenderees that have been surging in recent months. For the program's implementation, a Memorandum of Understanding (MOU) between DAP and UPM was signed. The MOU stipulates that UP Manila and DAP would continuously cooperate to advance the transdisciplinary work of drug policy design and implementation through consultancy, research, technology, and training services.

Infusing Interprofessional Education in the Community Health and Development Program

The Community Health and Development Program (CHDP) serves as the community laboratory for the application of the learnings and theories instilled in the health students of UP Manila.

Under this program started in 2008 in San Juan, Batangas and which eventually moved to Cavite in 2013, students of medicine, public health, nursing, pharmacy, and dentistry are deployed to identified barangays to conduct basic health services and help build the capacities of the areas and their residents in improving their health.

One recent learning opportunity and strategy employed is Interprofessional Education (IPE). The CHDP conducted a two-day seminar on May 25-26, 2019, with the College of Nursing. Entitled, “Collaborate for Health: Developing Competencies for Interprofessional Education,” the seminar was for faculty members and health practitioners interested in learning about IPE and interprofessional collaborative care (IPCC).

A total of 71 participants from different health professions attended representing 11 academic institutions and three private facilities with 6 foreign participants from Cambodia, Japan, Myanmar, and Vietnam.

Pioneering the use of 3D printed prosthesis for patients of PGH and other hospitals

In the Philippines, 1.8 million of Filipinos needed prosthesis in 2018. However, the huge demand for it is mismatched with very low access caused by prohibitive cost, limited local suppliers and manufacturers, and the amputee’s own belief and attitudes.

To solve this, a 3D prosthesis commercialization project was launched in January 2019 by the Japan-ASEAN New Industry Creation Demonstration Project and Japan International Cooperation System (JICS), and jointly implemented with the PGH. Through this project, prosthesis is made faster (3-5 days vs. 3 months), lighter than the conventional prosthesis, can be used in activities involving water, and much cheaper (Php 10,000 vs. Php 30,000).

The project will also involve as many hospitals as possible to generate data which can be used to make a recommendation for PhilHealth to include it in its coverage and benefits package.





Providing significant inputs for UHC rules formulation and implementation

The full implementation of Republic Act No. 11223 or the Universal Health Care (UHC) Act will not take effect until 2029. Public consultations on what should be included in the Implementing Rules and Regulations (IRR) as well as the Dept. of Health's hope to finalize the IRR were derailed by the COVID-19 pandemic.

Nevertheless, both UP Manila and its training hospital, the Philippine General Hospital, conducted round table discussions with different stakeholders to provide inputs for the UHC's IRR. Some of these were:

"Training Doctors for Universal Health Care: The Role of UPCM and PGH" (18 July 2019) – Inputs: (1) identified the needed reforms in medical education to strengthen UHC implementation; (2) creation of interprofessional healthcare teams; (3) development in medical students of analytical and organizational skills; (4) for PGH to form linkages with primary health facilities acting as catch areas not only to provide training, but also for referrals and transfer of health records.

The role of UP-PGH in Universal Health Care with DOH Sec. Francisco Duque (26 July 2019) – Inputs: (1) PGH as apex and model hospital in UHC implementation; (2) focus on primary health care as a specialty; (3) for PGH to create a research-enabling environment for both the clinical and inter-disciplinary studies and become an innovator of medical research processes.



COLLEGE OF NURSING- LED TRAINING COURSES

Leadership Development Training Course for Public Health Nurses

With the roll out of Republic Act 11223 or Universal Health Care Act, the role of all health professionals is crucial for the attainment of its goals. Since nurses are the largest group of health professionals in the country, they are uniquely positioned to address specific issues in the health system, especially in various areas where there are still no physicians.

The Leadership for Development Training Course for Public Health Nurses was started by the UP College of Nursing in 2019, in partnership with the Department of Health, to equip public health nurses with advanced competencies to effectively navigate all components of our health system.

The course provides nurses with valuable knowledge and insights on analyzing issues and problems from a systems perspective. With the gamut and complexities of problems encountered daily in the country's health system, it is easy to view problems from a myopic perspective that may lead to short-term solutions. The course equips the nurses with competencies in systems thinking which they will be able to fully apply in their own localities.

The course was developed with the Dept. of Health's Health Human Resources Development Bureau. It includes six competence areas based on the building blocks of health systems: health systems delivery, health financing, health regulation, health governance, health information systems, and management of human resources for health.

The first training was held from Nov. 5-15, 2019 for Phase I and on Dec. 3-13, 2019 for Phase 2. Forty-three (43) public health nurse scholars underwent a 20-day intensive training which included 122 hours of lectures, discussion, and workshops; 32 hours of field work; and two days of capstone project presentations.

The second offering was held in late 2020 and ended in a virtual graduation on January 2021. Fifty-seven (57) public health nurses from the Dept. of Health and UP College of Nursing (UPCN) attended eight weeks of intensive training. Because of the COVID-19 pandemic, the course was redesigned for online delivery in 2021.





Wound Care Training Courses

The **WoundPedia™ Wound Care Basics (WWCB)** is an interprofessional course designed to introduce physicians, nurses, and other health professionals to the basics of skin and wound care. For the healthcare professional with previous wound care education and/or those who completed the basic course, the **WoundPedia™ Wound Care Intermediate Course (WWCI)** is available.

The WWCB and WWCI are two-day intensive courses offered in partnership with WoundPedia™, through a generous educational grant from Calmoseptine®. WoundPedia™ is a not-for-profit Canadian organization to improve the lives of persons worldwide who suffer from chronic wounds.

Both were offered by the UP College of Nursing in 2019 and 2020 as the Continuing Professional Development (CPD) provider:

The WoundPedia™ Care Basics Course (Jan. 28-29, 2019) was offered in partnership with the Armed Forces of the Philippines. Eighty-one (81) participants attended the course at the Philippine Air Force Museum at Villamor Air Base, Pasay City. The WoundPedia™ Wound Care Basics Course (Jan. 27-29, 2020) was attended by 74 non-military health professionals.

The WoundPedia Wound Care Intermediate Course (Jan. 30-31, 2020) – attended by seventy-five (75) non-military health professionals at the CN Auditorium.

Future directions for this collaboration include signing of Memorandum of Agreement to continue the offering of the basic and intermediate courses, including the development of blended learning format of the courses, interprofessional collaboration in the care of patients through the Nursing Clinics of UPCN with the support of PGH Dept of Nursing Service and other medical departments. Research collaboration between partners will also be included.



Ugnayan ng Pahinungod-Manila: Voluntarism at its Best

The unwavering dedication of the UP Manila faculty, staff, students, medical professionals, and alumni to serve indigent and depressed communities proves the deep and strong spirit of volunteerism within the community.

A total of 2,169 Pahinungód volunteers were deployed from 2017 up to the 1st quarter of 2020. Ninety-six (96) communities from around the Philippines, with an estimated 34,941 beneficiaries, were reached through the Ugnayan ng Pahinungód and its volunteers. Members of the ER Volunteers Program and Hospice Care Program rendered a combined 122,400 volunteer hours to augment the manpower of UP-PGH's Department of Emergency Medicine and the Cancer Institute.

In line with UP Manila as a Health Sciences Center, UPM Pahinungod's programs are grouped into Educational Assistance, Community Health, Community Social Welfare, Disaster Management and Risk Reduction Research and Advocacy.



Program	Volunteers	Beneficiaries	Locations
Educational Assistance Programs			
Teachers Development	34	223	Orion, Bataan
Tutorial Services	81	153	Underprivileged children from Child Hope Asia
Community Health Programs			
Health Missions	630	32,664	Malaybalay, Bukidnon Buguias, Benguet and several areas outside Metro Manila
Health Trainings	49	347	Orion, Bataan and several areas outside Metro Manila
Health Education	173	1330	Calatagan, Batangas and several areas outside Metro Manila
Emergency Room Volunteers	1042	104,200 Volunteer Hours	UP-PGH Dept. of Emergency Medicine
Hospice Care Volunteers	91	18,200 Volunteer Hours	UP-PGH Cancer Institute
Community Social Welfare Programs			
Street Kids Program	9	33	Underprivileged children from Child Hope Asia
Immersion Service	23		Paracelis, Mt. Province Tublay, Benguet Buguias, Benguet
Environmental Health Education	10	40	San Teodoro, Occidental Mindoro
Disaster Management & Risk Reduction	24	96 families	Makilala, North Cotabato & MataasNaKahoy, Batangas
Livelihood	3	55	San Teodoro, Occidental Mindoro

Post Disaster Response

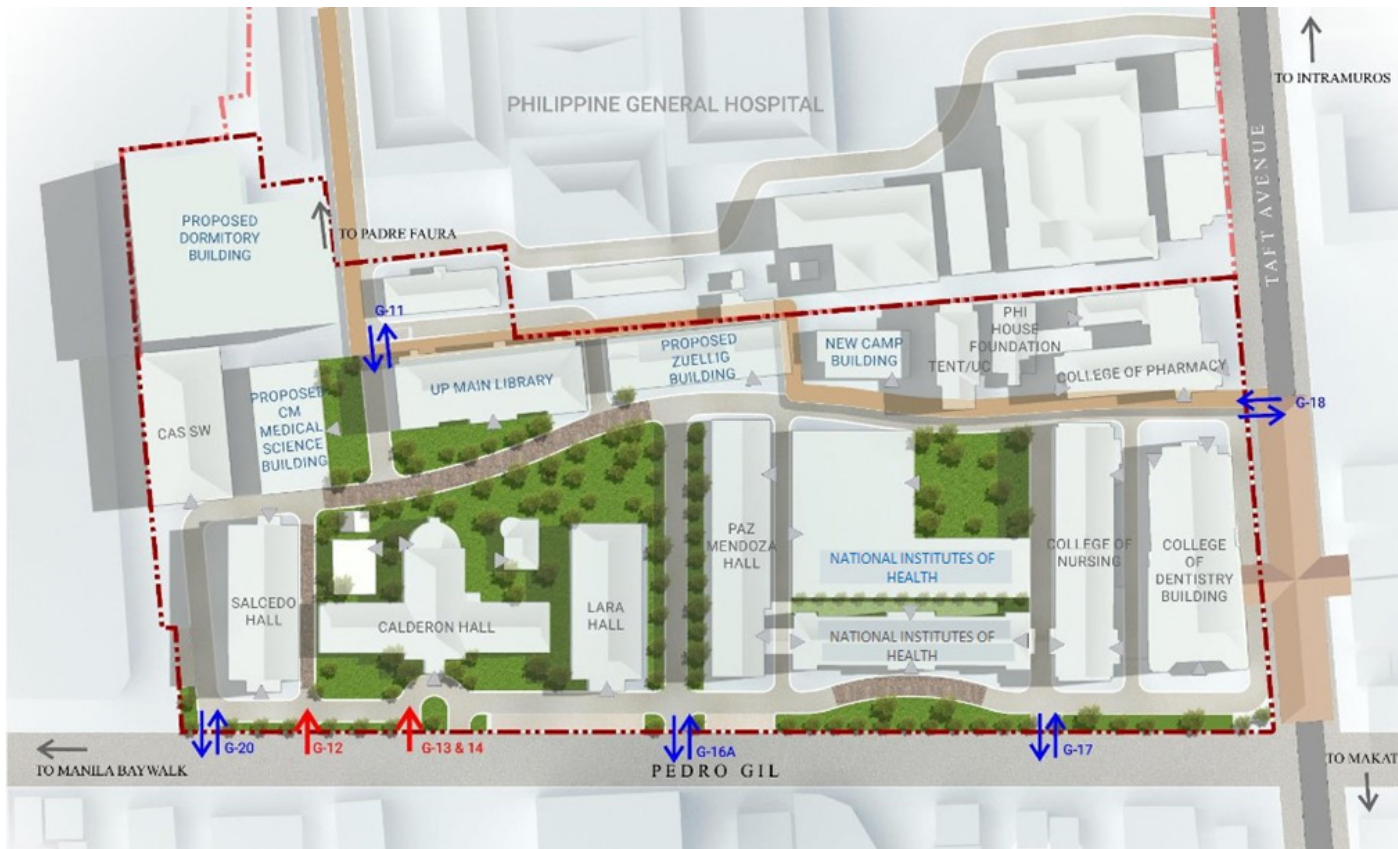
- Relief distribution, Medical and Psychosocial Mission for in earthquake victims in Makilala, North Cotabato
- Relief distribution for Taal Eruption victims in MataasNaKahoy, Batangas

Pahinungod Initiated Activities

- Dental and Minor Surgical Mission in Orion, Bataan
- Medical, Dental and Minor Surgical Mission in San Andres, Quezon
- Medical, Dental and Minor Surgical Mission in Calauag, Quezon
- Medical, Dental and Minor Surgical Mission in Tinguiban, Quezon

Infrastructure

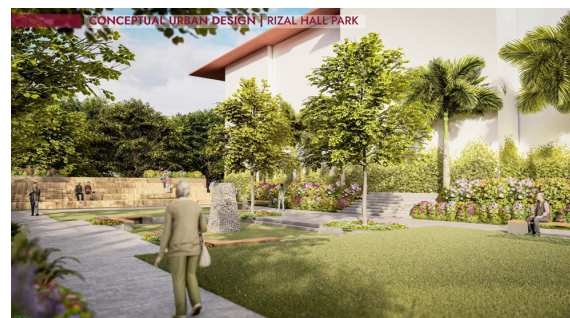




CAMPUS DEVELOPMENT PLAN

Continuing the mission to provide its constituent an environment conducive for learning, research, administrative and operational efficiency, the second term of Chancellor Padilla is marked by another unprecedented number of flourishing construction projects. From a previous number Of 75 projects completed, the second term is marked with 80 new ongoing and complete projects.

These simultaneous projects has been a priority for the administration's program to enhance and better facilitate the needs of the growing community.



SUMMARY OF PROJECTS

COMPLETED PROJECTS 2017-2020			
	Project	Total Project Amount (PhP)	Status
1	Interior Design Consultancy of UPM Student Dormitory	188,417.84	100% complete as of February 5, 2020
2	Application of Meralco No. 1907-63 Single Metering, UP Manila Dormitory	634,339.07	100% complete as of December 2019
3	Supply and Installation of Dormitory Furniture, UP Manila Dormitory	4,619,996.60	100% complete as of October 4, 2019
4	Supply and Installation of Electric and Water Meter, UP Manila Dormitory	905,587.35	100% complete as of June 5, 2019
5	Preventive Maintenance for the Security Surveillance System, UP Manila	800,000.00	2018-2019
6	Annual Preventive Maintenance for the Stand-By Generator Sets	669,576.54	2017-2019
7	Supply and Installation of Air-Conditioning units, UP Manila Dormitory	2,755,760.00	100% complete as of December 16, 2018
8	Consultancy Services for the Proposed Upgrading of College of Medicine Service Entrance and Powerhouse Relocation to the Proposed SWC Building	1,587,474.00	100% complete as of July 27, 2018
9	Construction of UP Manila Eight-Storey Student Dormitory	63,744,058.02	100% complete as of May 15, 2018
10	Relocation of Meralco overhead lines for UP Project 8 Storey Dormitory	264,000.00	100% complete as of March 2018
TOTAL		76,169,209.42	

ON-GOING PROJECTS 2017-2020			
	Project	Total Project Amount (PhP)	Status
1	Master Development Plan for UP Manila	4,582,270.20	On-going conceptual master plan, budgetary estimate to be determined
2	Grounds Maintenance Service of the University of the Philippines Manila	9,598,800.00	On-going
3	Supply and Installation of Airconditioning Units for UP Manila	4,988,032.00	32% complete as of March 10, 2020 (actual accomplishment)
4	Engineering Consultancy Services for the Additional Five (5) Floors of the U.P. Manila Main Library and Learning Commons	1,449,490.06	Completed as of October 2019
5	Comprehensive Termite Control (Baiting System & Gen. Pest Control Services)	3,777,000.00	15% Mobilization May 2019
6	Acquisition of Electric Generators for U.P. Manila	35,768,073.60	97.01% complete as of November 6, 2019
7	Consultancy Services fo the UP Manila Main Library and Learning Commons Building	2,206,506.40	80% complete as of November 10, 2019
8	Construction of UP Manila Main Library and Learning Commons	203,358,812.49	18.42% complete as March 10, 2020 (actual accomplishment)
9	Thermal and Moisture Protection of Central Block Building (from 7th to 8th Floor)	10,015,672.53	96% complete as of March 6, 2019
TOTAL		275,744,657.28	

UP MANILA STUDENT DORMITORY

The decade old plan to construct a dormitory to provide affordable housing for UP students and faculty has finally been realized. This eight story building was opened on March 5, 2020 with a capacity of 280 beds. Each unit is a fully furnished bedroom with study area and individual bathroom.

However, due to the COVID-19 lockdowns, in an effort to secure the welfare of its constituents located at the eight floor of the Philippine General Hospital, the Dormitory became the temporary offices for units of UP Manila offices including the Office of the Chancellor.





COLLEGE OF ALLIED MEDICAL PROFESSIONS

Constructed elevator hoistway/shaft and supplied passenger elevator. This 8M project is 98% complete as of March 10, 2020.



COLLEGE OF ARTS AND SCIENCES

Cybernook renovation. A P3.3M project to upgrade the computer laboratory to better facilitate in the ease of use of the students.



Renovation of classrooms and soundproofing of speechlab.

Renovated RH-229, and soundproofed speechlabs RM. 300, RH-301, and RH-302





COLLEGE OF ARTS AND SCIENCES

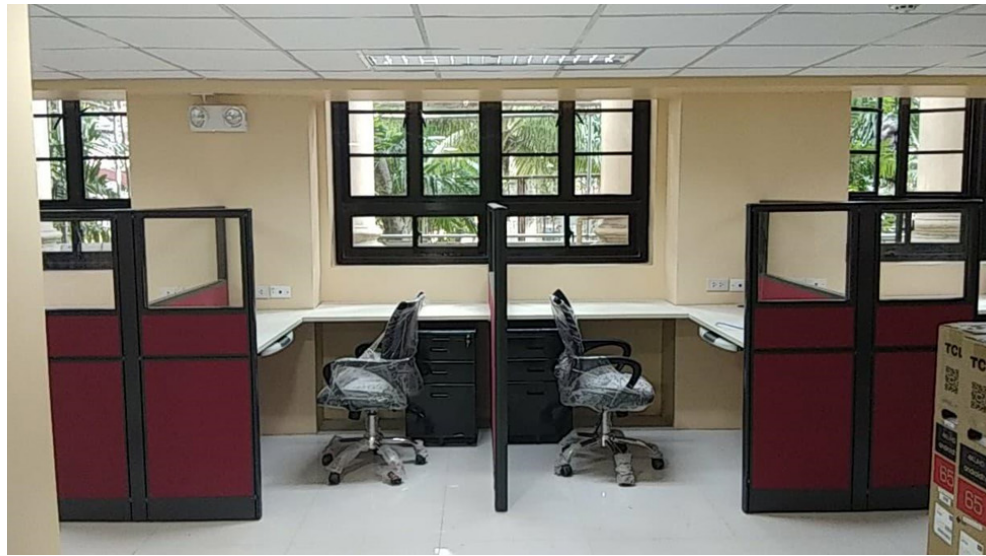
Renovation of Rizal Hall
Lobby and Hallways

Renovation of Rizal Hall Mini Theatre



COLLEGE OF ARTS AND SCIENCES

Newly renovated and fully furnished Office of the College Secretary



Renovation of classrooms at Gusaling Andres Bonifacio



Construction of UPM Theatre (Phase 3). Renovated support rooms and improvement of electrical systems and equipment





COLLEGE OF DENTISTRY

Renovation and modernization of facilities.

Included in the renovation was the Restorative Dentistry Laboratory, Oral Medicine Clinic, Dental Materials Laboratory, and Biochem Laboratory.



COLLEGE OF MEDICINE

Rehabilitation Salcedo and Calderon Hall building facade.





COLLEGE OF MEDICINE

Renovation of Histochem Laboratory and Laboratory zone of Department of Pharmacology and Toxicology



COLLEGE OF NURSING

Renovation of Salcedo Hall.

The renovation included relocating the lobby to the front side of the building, and modernization of facilities and fire alarm system.



Renovation of the Auditorium





COLLEGE OF PHARMACY

Supply and Installation of Laboratory Furniture at Industrial Pharmacy, Biopharmaceutical & Microbiology Laboratories



Renovation of Auditorium, ceiling of hallway and classroom, and installation of electrical wirings

SCHOOL OF HEALTH SCIENCES - BALER

Completed the construction of Academic Building 2 and Administrative Building (Phase 2)



SCHOOL OF HEALTH SCIENCES - PALO

Supply and Installation of Furniture for Faculty & Admin Bldg





NATIONAL INSTITUTES OF HEALTH

Construction of the 18 storey building has begun.



UPM MAIN LIBRARY AND LEARNING COMMONS

Foundation works of the 12-storey building has begun





U.P. COLLEGE OF MEDICINE MEDICAL SCIENCES BUILDING

On-going construction of the building.



UP MANILA'S
Response to the Pandemic



During World War II, the College of Medicine and what was then the School of Nursing remained open to provide the needed manpower for the Philippine General Hospital (PGH). The busiest unit was the ER filled with casualties of bombings and air raids. Indeed, in times of war, everybody must adjust, and help contribute in whatever way they can.

During this COVID war, UP Manila was hurled into a whirlwind of activities all directed to combat the virus. The PGH has been retrofitted and was filled with selfless medical personnel caring for the very sick COVID-19 patients. The *Bayanihan Na!* Operations Center is manned by dedicated volunteers, most of whom are interns, students, faculty, and alumni of the University, who answer queries regarding disease and donations. Dashboards were developed to track the money and all forms of contributions.

The NIH and PGH COVID Testing Centers are in full swing to contribute to the national goal of 10,000 a day. Significantly, these very trying times have challenged the minds of our constituents and a

multitude of exciting ideas have become landmark discoveries, starting with the locally developed COVID-19 testing kits.

A number of innovations were born through research such as the development of locally designed ventilators; design and development of locally-manufactured and reusable Powered Air-Purifying Respirator; design and development of Disinfection-SaniPod, a self-contained disinfecting cubicle; the CleanIntubate-laryngoscope blade disinfecting device; telepresence and telemetry; and several treatment protocols to hasten the resolution of symptoms. These projects brought researchers from different institutions, planning and working together on shortened timelines.

While these are formidable times, and as the future is still filled with uncertainties, UP Manila continues to march on and commit to what the university has always stood for: to be a beacon of hope and a bastion dedicated to selfless service, especially to the underserved.

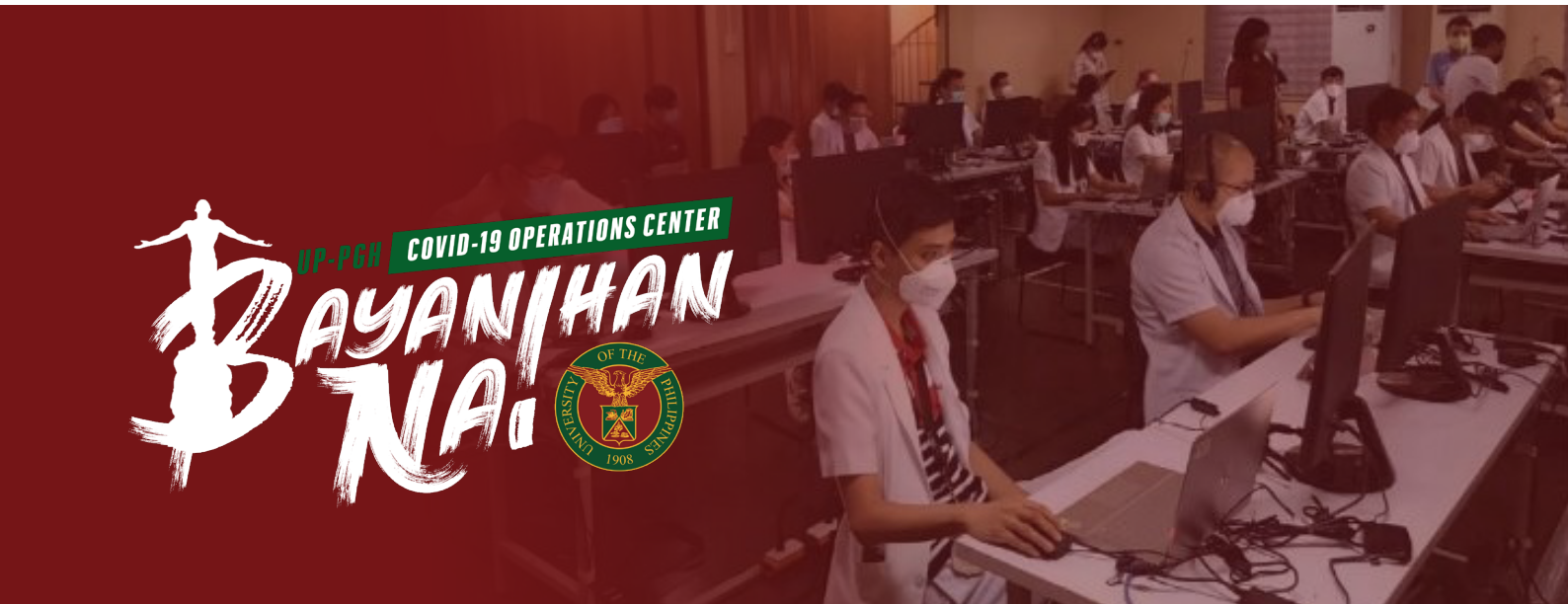
AT A GLANCE

- Retrofitted the Philippine General Hospital as a COVID-referral hospital and opened the NIH as a testing center
- Established the *Bayanihan Na!* Operations Center to answer questions and advise callers with regards COVID-19 and direct donors to the PGH Medical Foundation, Inc.
- The BNOC Donations Hub was created to facilitate the surge of in-kind donations
- Developed the PGH Bayanihan Center Current Inventory Levels and Donations Tracker to monitor the count of donations, donations wishlist, items received, and list of available items
- Provided in-campus lodging for the healthcare workers
- Initiated infrastructure changes and infection control protocols for the safety of the healthcare workers
- Contributed to policy statements on the COVID-19 response
- Paved the way for tech innovations such as Genamplify™ COVID-19 rRt-PCR Detection Kit, Ventilator Projects, RxBox-Telemetry, SIBOL Telepresence, SIBOL Powered Air-Purifying Respirator, SaniPod, E-Steth Project, Ultraviolet Irradiation Cabinet
- Colleges and units conducted trainings, webinars, and similar initiatives that shared ideas, experiences, and practices in combatting the effects of the pandemic.

TIMELINE OF RESPONSE TO THE COVID-19 PANDEMIC



August 3	UP Manila issues Guidelines on Modified Enhanced Community Quarantine
July 8	OSA conducts Navigating and Preparing for Re-entry webinar for students
July 2	Mandatory use of Bayanihan Na! Employee Symptoms Tracking System (BESTS) Application
June 23	PGH conducts research on convalescent plasma for COVID
May 31	PGH Online Consultation Request and Appointment (OCRA) launched
May 26	Webinar on mental health preparation for employees conducted
May 19	SIBOL rolled out the SaniPod
May 18	A total of 110 UP Manila COVID-19 researches conducted
May 14	Launch of Kalusugan ay Karapatan COVID-19 series under TVUP
May 14	NTCBB BEAT COVID Program graduated 965 participants
May 5	Creation of online Daily Time Recording System (DRTS)
May 5	Release of guidelines for a safe and efficient workplace
	UP Manila facilities transformed into safe haven for frontliners
April 24	UP-PHIC launching the Stop COVID Deaths webinar series
April 23	Solidarity clinical trials for COVID treatments in PGH
April 20	PGH and NIH as COVID-19 testing centers
April 20	Mass distribution of UP-made COVID-19 test kits
April 20	CANVAS bootcamp training for faculty
April 18	Release of weekly special issues of UP Manila Healthscape e-newsletter
April 6	BEAT COVID Program graduates 1,552 participants
April 3	FDA approves GenAmplify™ COVID-19 kit for commercial use
March 30	Creation of Supply and Inventory Dashboard
March 30	Debut of 24/7 Bayanihan Na! Operations Center hotline 155-200
March 30	PGH opens as COVID referral hospital
March 23	The creation of UP-PGH COVID-19 Bayanihan Na! Task Force
March 20	Release of Ethics Guidelines on COVID-19 Crisis-Level Hospital Care
March 16	Transfer of Central Administration offices to the UP Manila Dormitory



When COVID-19 broke out in January, UP Manila mobilized rapidly and comprehensively to address the concerns related to the public health emergency. With inspired leadership starting from the UP President, down to the project and team leaders and the magnanimous help from several quarters, an unprecedented movement was put in place. Chaired by the Chancellor, the **UP-PGH Bayanihan Na! Task Force** was formed composed of key officials, units, and departments of UP Manila, PGH, and NIH to coordinate and strategize systems and solutions together.



THE UP-PGH COVID-19 BAYANIHAN NA! OPERATIONS CENTER (BNOC)

Among the immediate responses of the university is the UP-PGH Bayanihan Na! Operations Center which has two arms: Donation Arm and a Patient Query Arm. With help from the Philippine Long Distance Company (PLDT) the hotline number **155-200** of the BNOC is available 24/7 manned by student volunteers and alumni in three eight-hour shifts to answer questions and advise callers with regards COVID-19 and direct donors to the PGH Medical Foundation, Inc.



The call center is located at the Nurses Home within the Philippine General Hospital (PGH) compound and was formally launched on March 30, 2020. The BNOC was conceptualized by UP President Danilo Concepcion, UP Manila Chancellor Carmencita Padilla, and PGH Director Gerardo Legaspi.

BNOC Donations Hub

Along with the launching of the BNOC hotline was the surge of donations coming from various groups, agencies, and individuals.



In kind-donations are dropped off at the Alvior Hall



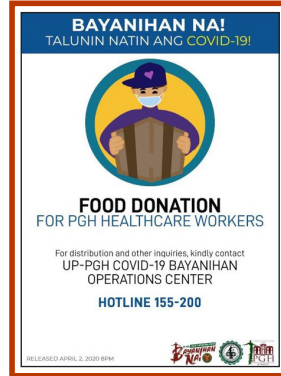
Cash donations to PGH Medical Foundation



Food donations to the PGH Dietary for distribution to HCWs



Certificate of Appreciation given to donors



Item	Quantity	Unit	Location
Hand Sanitizer	100	liters	Bayanihan Center
Hand Soap	50	liters	Bayanihan Center
Hand Disinfectant	20	liters	Bayanihan Center
Hand Wipes	1000	pieces	Bayanihan Center
Hand Cream	50	pieces	Bayanihan Center
Hand Gel	100	pieces	Bayanihan Center
Hand Lotion	50	pieces	Bayanihan Center
Hand Spray	100	pieces	Bayanihan Center
Hand Wipes	1000	pieces	Bayanihan Center
Hand Cream	50	pieces	Bayanihan Center
Hand Gel	100	pieces	Bayanihan Center
Hand Lotion	50	pieces	Bayanihan Center
Hand Spray	100	pieces	Bayanihan Center

PGH Bayanihan Center Current Inventory Levels and Donations Tracker

Developed by the UP Diliman Department of Industrial Engineering and Operations Research, the supply and inventory dashboard provides real time information on the availability of supplies and what PGH still lacks.

The Bayanihan Center tele-agents, PGH service units, and donors use this platform to monitor the count of donations, PPE donations wishlist, Cumulative PPE items received, Detailed List of Available Items in Bayanihan Center, Available Items (per Category) in Bayanihan Center, and Cumulative Receipts per Category.

The dashboard can be accessed at <https://pghinvdashboard.herokuapp.com/>.



PGH AS A COVID REFERRAL CENTER

On March 23, 2020, the Philippine General Hospital was designated by the Department of Health (DOH) as one of the three COVID-19 referral centers in the National Capital Region. Director Gerardo Legaspi requested a week to fully prepare the hospital for this role.

- A **Crisis Management Team** was created to ensure operational efficiency.
- The **COVID Transfer Command Center** was organized to facilitate the ingress and egress of patients in PGH.
- An **Information Education Committee** was formed to disseminate advisories, reminders, and appeals.
- **Air-purifying units** were distributed around the work areas to further increase the safety measures for PGH personnel
- **Massive donation campaign** for essential PPEs, equipment, food, and back-of-house operational needs.
- A **Logistics Team** was put in-charge for acquisition and appropriation of needs.
- The **Online Consultation Request and Appointment (OCRA) System** was launched for seamless scheduling and appointment system to improve waiting times and service to PGH patients.

Released 15 April 2020 (5:00 PM)

TELE-KUMUSTA

Para sa pasyente, para sa pamilya




Sa mga pasyenteng may COVID-19
Batid namin ang **lungkot** na kanilang nadarama
Ang malayo sa **pamilya** na hindi makita
Tugon ng PGH ay **TELE-KUMUSTA**


Sa **TELE-KUMUSTA**
Makausap ang **pamilya**
Maiibsan ang **pangamba**
Maibabalik ang **ngiti sa mga mata**
At magdudulot ng **PAG-ASA**




BAYANIHAN NA!
TALUNIN NATIN ANG COVID-19!







University of the Philippines
Philippine General Hospital
Online Consultation Request and Appointment (OCRA) System
version 2.00



Announcements

- Kung ikaw ay bagong user, magrehistro sa link sa kanan. Pwede mong gamitin ang iyong username at password para magpatala ng konsultasyon.
- Bukas lamang ang pagpapatala ng konsultasyon mula Lunes hanggang Biyernes, 6AM hanggang 6PM.
- Pwede kayong gumawa ng iba't ibang request ng konsultasyon para sa iba't ibang klinika.

Login

PAALALA:
Ang website na ito ay ginagamit para magpatala ng konsultasyon. Kung wala kayong email address, maaring tumawag sa hotline 155-200 para magpatala ng konsultasyon.

Username

Password

Nakalimutan ang password?

Mag login

Bagong User? [Magrehistro dito.](#)

This was developed by the Department of Industrial Engineering and Operations Research, College of Engineering, UP Diliman, Quezon City. See site information [here](#).

Infrastructure Changes

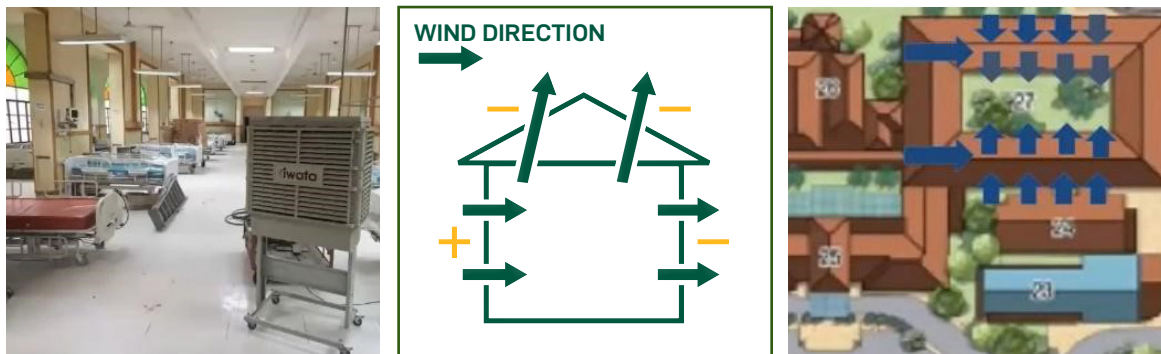
- With help from DOH, patients were reassigned to other hospitals to clear the emergency room in preparation for incoming COVID patients.



- 60-bed wards were converted into a 22-bed COVID facility.



- Wards were re-engineered to ensure efficient and natural unidirectional air exchange.



- Zoning of COVID and non-COVID areas with unidirectional donning and doffing areas.

WHAT TO WEAR COVID WARDS COVID AREAS ORS

PERSONAL PROTECTIVE EQUIPMENT

HIGH RISK AREAS

- COVID-19 Wards 1, 2, 3 and 4
- LCB-OR Gyne Onco Wing
- Operating Theaters
- Intensive Care Units

HIGH RISK ACTIVITIES

- Procedures such as tracheal intubation, bronchofibroscopy, tracheotomy, gastroenterological endoscopy
- Carrying out of NAT for COVID-19
- Handling of other respiratory specimens for microbiologic studies

Require

LEVEL 4 PROTECTION PPEs

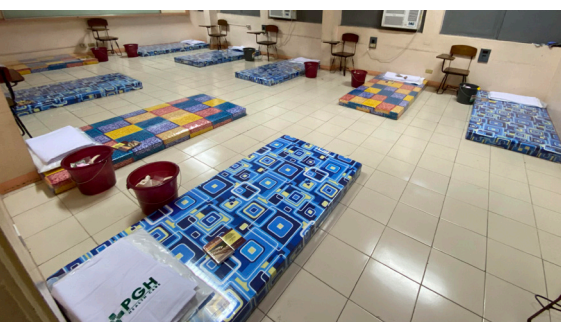
- COVERALLS
- GOGGLES/ FACE SHIELD
- N95 MASKS
- DEDICATED SHOES
- GLOVES
- DOUBLE GLOVES
- GOWN
- COVERS

PGH COVID-19 AREA ZONES 1ST FLOOR

RED/HOT ZONE Level 3 Protection if staying < 4 hours
Level 4 Protection if staying > 4 hours

ORANGE ZONE Level 3 Protection if staying < 4 hours
Level 4 Protection if staying > 4 hours

GREEN ZONE Level 1 and 2 Protection



Safeguarding the Front Line

The following are the infection control protocols implemented in PGH for the safety of its workers:

- 1 Assignments of dedicated personnel for COVID wards from all the departments was devised.
- 2 Multiple training **sessions in strict infection control measures** were conducted.
- 3 All medical, paramedical, and administrative staff were divided into 3 teams of **"1-week-on-2-weeks-off"** tours of duty.
- 4 **Safety officers** were present in the donning and doffing to ensure PPEs are properly worn.*
- 5 **Fit testing** of masks and elastomeric respirators to help reduce the accidental contamination to HCWs
- 6 **Guidelines for appropriate PPE** for COVID and non-COVID areas
- 7 **Provision of transportation** such as shuttle buses and bicycles
- 8 **Accommodation for HCWs**
1,803 HCWs housed in 15 hotels and 10 schools and religious dormitories from March 18 to May 15. All HCWs who could not go home regularly were accommodated in hotels around PGH. The owners donated the free use of their hotels to the PGH HCWs.
- 9 **Spiritual care and Psychosocial Care Hotline**
- 10 Release of **guidelines for returning to work**

*Some safety officers are dermatology residents who **provide dermatologic care** to HCWs who developed blisters on their face due to N95 masks.

Panatag na Kanlungan: Safe Haven for PGH Frontliners

Seeing the benefits of a systematic manner of providing in-campus lodging for our HCWs, all deans and kind-hearted UP Manila alumni generously supported the program to convert colleges into temporary lodging facilities known as *Panatag na Kanlungan*, a safe haven in UP Manila for PGH frontliners.



380

PGH frontliners accommodated in UP Manila classrooms



124

Beds in the UP Manila Student Dormitory were immediately allocated for the use of NIH personnel and PGH administrative personnel.



RIZAL HALL



GUSALING ANDRES BONIFACIO



COLLEGE OF PUBLIC HEALTH



COLLEGE OF ALLED MEDICAL PROFESSIONS

Other schools that offered sanctuaries



De La Salle System



College of St. Benilde

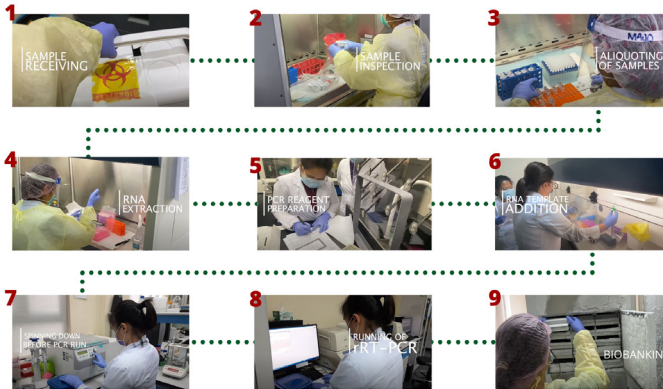


Adamson University



COVID-19 Testing Workflow

National Institutes of Health
University of the Philippines Manila



UP- NIH COVID 19 Testing Staff (NIMBB)



NIH AS A COVID-19 TESTING CENTER

The UP Manila National Institutes of Health (NIH) was one of the first responders to the country’s call for an expanded COVID-19 testing capacity. UP Manila, through Chancellor Carmencita Padilla and Vice Chancellor Arlene Samaniego, provided the seed money for the laboratory to function.

The staff who would be performing the testing also needed influenza vaccinations; and the late Dr. Sally Gatchalian promptly assisted us with the procurement of the vaccines.

It took almost 2 weeks to have the NIH Molecular Laboratory for COVID-19 to be biosafety level 2 accredited; and immediately after passing the proficiency testing, NIH began the COVID-19 testing. During its first 8 weeks of operation, the NIH COVID-19 Testing Laboratory was run by about 30 volunteer staff who were NIH research faculty and university researchers, faculty of UP Manila, and research assistants of Department of Science and Technology (DOST)- funded molecular biology research projects.

The NIH COVID-19 Testing Lab is part of the DOH network of laboratories all over the country which met regularly to discuss technical matters and supply chain problems. Not being a DOH subnational laboratory however, the NIH did not receive any funding to perform the COVID-19 testing. The NIH was able to serve the PGH patients as well as 29 other hospitals and community quarantine centers within the catchment area of PGH.

INNOVATIONS



1. GenAmplify™ COVID-19 rRT-PCR Detection Kit

UP Manila's early response to the pandemic was the development of the first rRT-PCR local testing kit for the COVID-19 virus. The test kit can yield results within three hours and is significantly cheaper compared to the internationally-bought kits. UP-NIH was the first health facility to use the GenAmplify™ Corona Virus Disease-2019 (COVID-19) rRT-PCR Detection Kit under the Field Implementation funded by the Department of Science and Technology (DOST) and the Philippine Council for Health Research and Development (PCHRD). The Food and Drug Administration (FDA) officially announced its approval of the kit on 3 April 2020. The kit was developed by Dr. Raul Destura, an infectious disease specialist, UP Manila NIH Director of National Training Center for Biosafety and Biosecurity, and Deputy Director of Philippine Genome Center in collaboration with a team of young scientists from the Research and Biotechnology Division of Manila HealthTek, Inc.



2. Ventilator Projects

The **OstreaVent™** is a pressure-controlled, time-cycled mechanical ventilator which has been used for more than 5 years on neonates. Due to the pandemic, it was converted into an adult ventilator, the OstreaVent II, which can handle higher pressure settings needed by adults. Dr. Enrique Ostrea, corresponding member of the National Academy of Science and Technology and adjunct research professor of UPM National Institutes of Health, formed a core group composed of Engr. Alexander Paran, Engr. Robert Dizon, Dr. Manuel Jorge II, Dr. Ma. Kriselda Tan, Dr. Herbert Uy, Dr. Edward Faustino, and Dr. Maria Esterlita Uy.



The **Ginhawa Ventilator** is a refined ICU servo ventilator designed in 2019 by the PGH Pulmonary group led by Dr. Abundio Balgos and Dr. Camilo Roa, Jr. with Biomedical Specialist Glenn Tuazon. It is a compact ICU ventilator capable of providing all standard ventilator modes plus PEEP, CPAP, Pressure Support, Pressure Control, FiO₂, and inspiratory flow settings for children and adults. Once tests are approved, the OstreaVent II goes for safety clinical trials and subsequently will be for compassionate use by adult COVID patients.

Mechanical Ambu Bag Insufflator was developed by Dr. Rafael Bundoc in collaboration with other academic and private groups to overcome the inconsistency and unreliability of manual ambu bagging when a patient is waiting to be hooked to a respirator.

3. RxBox-Telemetry

The UP College of Medicine SIBOL (UPCM Surgical and Biotechnology Innovation Laboratory) was among the first to prepare UP Manila to respond to the growing COVID-19 epidemic. Among the initiatives was repurposing the RxBox telemedicine device for telemetry to monitor COVID-19 patients.

Originally intended for trauma care, RxBox and Telehealth proponent Dr. Alvin Marcelo showed that the patient's vital signs can be detected by the device and transmitted in real-time in a telemedicine system of an emergency room. The RxBox evolved to be a tool for rural health units in remote and disadvantaged communities in the country. As a community medicine faculty, Dr. Portia Marcelo of the NTHC, working with Dr. Sison, spearheaded its deployment to strengthen maternal and child health as well as care for noncommunicable/cardiovascular diseases. The RxBox sensor suite expanded to include a Doppler for fetal heart tone and a maternal tocometer, in addition to the original capabilities for ECG, pulse oximeter, thermometer, and sphygmomanometer.



4. SIBOL Telepresence

This technology solution limits exposure, conserves personal protective equipment, and provides clear communication with a “friendly face”. The SIBOL COVID Telepresence Group initially set up computers programmed to automatically answer calls from authorized accounts using available teleconferencing and remote-control applications, thus minimizing contamination and allowing effortless access even by patients with no technological know-how. The units were deployed to pediatric COVID wards, connecting anxious pediatric patients with families who are sometimes not allowed to stay with them inside the ward.



5. SIBOL Powered Air-Purifying Respirator

The Powered Air-Purifying Respirator (PAPR) is one of the best protective equipment for healthcare workers (HCW) performing high-risk procedures which cause aerosol or droplet spread. The SIBOL PAPR team is composed of four clinicians from UP Manila, one engineering professor from UP Diliman, one industrial designer, and one medical intern with a Mechanical Engineering degree. Collaborating online, the team used an ideation board to assess what an ideal PAPR is, identify what needed to be done, and source materials despite the lockdown.



Countless hours were spent online searching for appropriate blower and filters that could remove 99.7 percent of particulates. Slowly, the helmet design was refined, and through courier services, all the needed parts were gradually completed. The PAPR has gone through many iterations and testing protocols were devised to meet the marks for international accreditation. The design and proposal were approved by the DOST-PCHR.

6. SaniPod

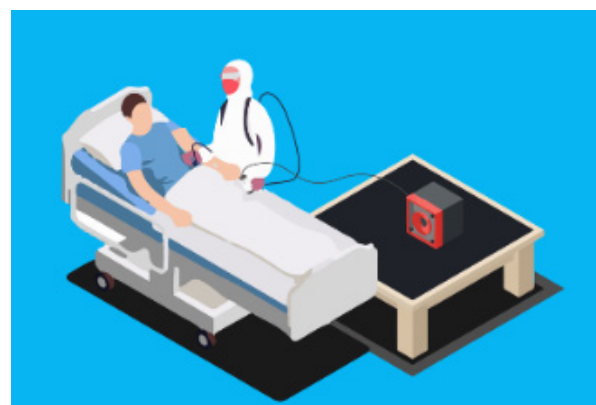
The SaniPod is a disinfection cubicle for health care workers (HCW), specifically the frontliners, which provides another layer of protection against the virus. The UP SaniPod has not just gone through technical scrutiny by its engineer partners; it has also undergone a “pathogen challenge”, which proves its efficacy against the microbe.

Upon exiting COVID-heavy areas, the HCW prior to doffing PPEs, enters the SaniPod for disinfection. After disinfection inside the Pod, doffing occurs outside of the Pod. The Pod utilizes disinfectants whose safety has been approved by our chemists, biologists, and clinicians. There are also additional features (like air shower and UV irradiation among other things). The big advantage of the SaniPod is the additional layer of protection for our HCW and the protection for those who clean up and dispose of our discarded PPEs. The SaniPod is made in such a way that it allows none to minimal possible contamination not just of the HCW and people working around it, but even of the Pod itself. The SaniPod is a project of UP SIBOL and is funded by DOST-PCHR and generous donors.



7. E-Steth Project

The E-Steth Project is a home-grown low-cost acoustic-electronic hybrid stethoscope that would address the performance of auscultation without compromising the protection provided by the PPEs of the HCWs. The goal of this project is to provide medical frontliners with a low-cost, alternative tool while maintaining the same effectiveness of an on-the market electronic stethoscope.



8. Ultraviolet Irradiation Cabinet

The “UV Cabinet” was conceptualized to sterilize PPEs like N95 masks, face shields, coveralls, and goggles. Through collaborations between UP Diliman College of Engineering, UPM College of Public Health, and Surgical Innovation and Biotechnology Laboratory (SIBOL) of the UP College of Medicine, the disinfection unit was validated for disinfection of PPEs.

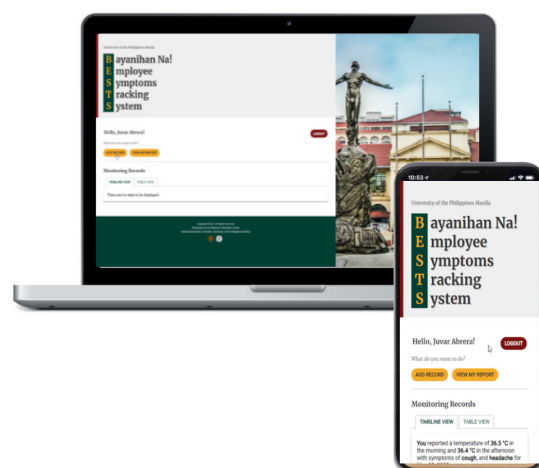
Appropriate scientific validity testing methods proved that the UV Cabinet was capable of significantly disinfecting N95 masks from gram negative bacteria and spore-forming bacteria (whose durability is similar to corona virus) when treated with UV irradiation for 30-40 minutes. Disinfection of coveralls was also successful; however, since UV disinfection relies on a line-of sight disinfection, meaning areas not reached by the UV light will not be disinfected, appropriate positioning of certain PPEs, especially coveralls will be needed to maximize disinfection. The UV Cabinet temporarily solves the shortage in PPEs until long-term solutions are available.



9. UP Manila Bayanihan Na! Employee Symptoms Tracking System (BESTS) Application

The National Telehealth Center (NTHC) of the National Institutes of Health (NIH) developed BESTS, a web-based application designed to help monitor and keep track of the health status of UP Manila employees during the COVID-19 pandemic.

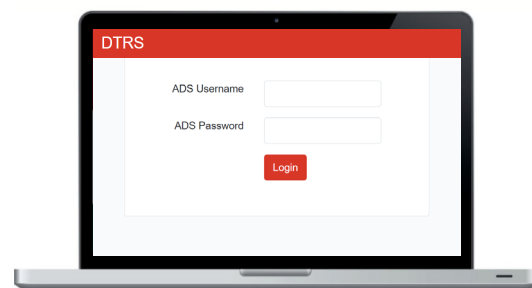
The BESTS monitors the symptoms and health status of employees and staff within UP Manila including PGH and helps identify the emergence of potential hotspots based on areas of assignment. It also provides evidence to UP Manila leaders in crafting additional guidelines and policies to protect the human resources during the COVID-19 pandemic.



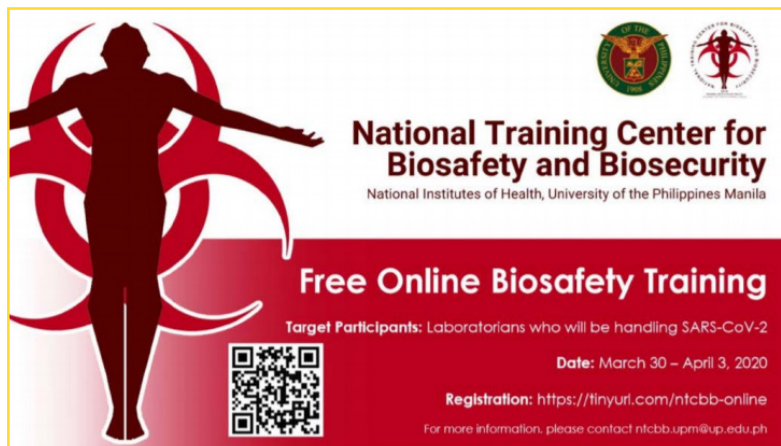
10. Daily time Recording System (DTRS)

The Information System Management Service (IMS), under the direction of the Office of the Vice Chancellor for Administration (OVCA), developed the Daily time Recording System (DTRS), a web-based tool that enables the staff to record their attendance and daily work accomplishments.

The DTRS may be used whether the employees are working from home or reporting onsite as part of the skeleton force. This will also enable employees to post their work accomplishments daily, which the heads of units can monitor and verify.



BIOSAFETY TRAINING SEMINARS



The National Training Center for Biosafety and Biosecurity (NTCBB) of the NIH offered a free Online Biosafety Training for laboratorians handling SARS-CoV-2. The Department of Health officially recognizes the NTCBB as a training provider for biosafety and biosecurity to support its capacity building efforts in laboratory testing during this pandemic.

The training was composed of seven modules of the core principles. The modules were accessed using the Canvas Learning Management (CLM) while the live panel discussions used the Zoom platform. The course utilized distance learning education by providing updated and relevant materials that are essential to the current COVID-19 response and online forum and case analysis moderated by subject matter experts, who are graduates of the NTCBB's Philippine Advance Biorisk Officers Training program.

1,552

Participants graduated on April 6, 2020

965

Participants graduated on May 14, 2020

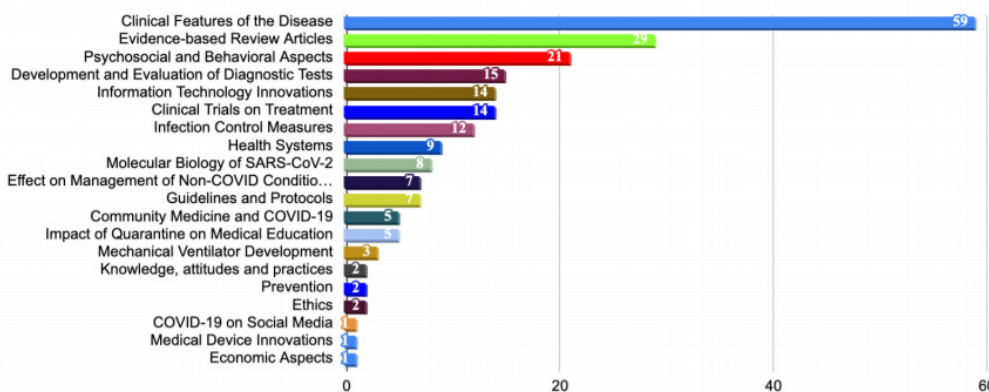
2,517

Total number of trainees composed of physicians, pharmacists, biologists, chemists, nurses, medical microbiologists, medical technologists, teachers, and laboratory personnel passed the "BEAT COVID-19 Program" held on March 31-April 6, 2020 and April 14-May 14, 2020.

The participants were evaluated based on their performance in the quizzes and final exam. A certificate of completion is given to participants who have passed the assessments and have complied with the requirements.

PARTICIPATION IN COVID-19 RESEARCH

UP Manila COVID-19 Researches



224

Total of UP Manila COVID-19 related research as of August 5, 2020

₱ 225,840,940.13

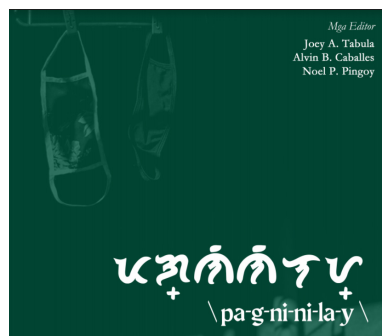
Estimated total amount of COVID-19 research budget

Sources of funding: DOST, DOH, UP Manila, PGH, WHO, self-funded



RELEASE OF COVID e-NEWSLETTER

The UP Manila Healthscape Special COVID-19 issues are released weekly or twice a month featuring COVID 19-related topics and updates. The e-newsletter also serves as the basis for the responses of UP Manila to the pandemic.



THE PGH HUMAN SPIRIT BOOK PROJECTS

The PGH Human Spirit book projects, a trilogy of e-books on the experiences, struggles, challenges, and inspiration of UP Manila and PGH members and even those outside during the crisis, delves into the “heart” of their journeys. The books were launched and turned over on December 21, 2020 via Zoom after 10 months of planning and preparation.

The first book, **Pagkalinga: Ang Pagtugon sa Pandemya ng Pagamutan ng Bayan**, contains five chapters of the feats of the healthcare workers and volunteers in PGH as a COVID-19 referral center from the lockdown to the nation’s recovery and healing. The second, **Paggunita: Mga Saloobin Ukol sa Paglilingkod at Pagkukusang-loob sa Panahon ng Pandemya**, focuses on the narratives of faculty, staff, student, and alumni volunteers within the UP-PGH Bayanihan Na! Operation Center. The third, **Pagninilay: Hinga, Hingal, Hingalo sa Panahon ng Pandemya**, includes essays, poems, and photographs capturing the “human spirit in communities outside of PGH.”

The project started in March 2020 with a few volunteers that slowly grew into many who shared their time and talents in contributing articles and preparing the three books. Published by the Social Medicine Unit of PGH and Mu Sigma Phi Sorority, the books are available online in these links: [Pagkalinga](#), [Paggunita](#), and [Pagninilay](#). The printed version will be released in early 2021.

COLLEGE RESPONSE

College of Allied Medical Professions

Project CAMPana

Initiated on March 23, 2020 by the College of Allied Medical Professions Executive Committee, PROJECT CAMPana was a call for action and help to alleviate the effects of COVID-19 on Filipinos. Health education materials for adults and children and available in English, Filipino and six other Philippine languages were developed by OT and SP interns of the CAMP CommunityBased Rehabilitation Program on COVID-19.

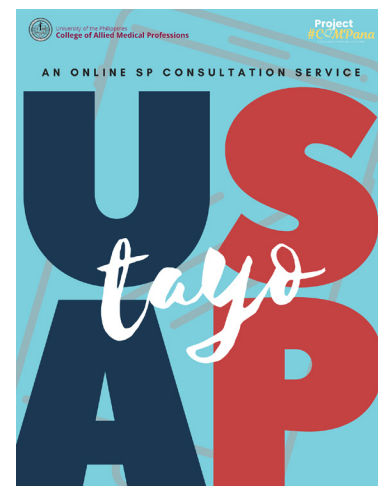
USAP Tayo! was launched to offer free online SP consultation for those with communication and swallowing difficulties. Volunteer SP alumni and students develop home programs for clients and provide advice through email and video conferencing.

Project CAMPana delivered healthy meals for frontliners and other staff in Metro Manila and Laguna, mostly in partnership with Franco's Friends PH, a non-profit organization, and Ate Sol's canteen, a local caterer. Project CAMPana also supports the efforts of the UP-CAMP Foundation through the assembly and delivery of face shields for PGH and other hospitals.

Nine CAMPers have also volunteered at the Operations Center, where they also provided exercises to promote active breaks of the volunteers.

Let's Get PTKal builds up its audience's quarantine gains to reach the World Health Organization's physical activity recommendations and consists of strengthening and aerobic exercises. Participants are gradually introduced to exercise, starting from the basics to more challenging ones.

A virtual coach, by the name of **Coach Juan**, is also available for consultation, follow up, and monitoring of clients for the duration of the program via a Facebook page. This virtual coach can also give clarifications on how to do the exercises correctly; or even just simply reassure the participants that they are doing a great job. The program includes these motivational components along with a Spotify playlist. There is also social media sharing through the hashtags #MassGainingNow and #LetsGetPTKkal.



College of Arts and Sciences



The **Webinar on Ecological Solutions to the COVID-19 and Pandemics**, a free webinar series on the ecological challenges to the COVID-19 crisis was conducted by the CAS faculty.

As CAS faculty members were concerned about the well-being of CAS constituents amidst the ECQ, the team created the Facebook group **CASama sa Quarantine** on March 27, 2020. The CASama sa Quarantine aims to coordinate and facilitate access to information that are beneficial for the well-being of current and former students, REPS, administrative staff, and faculty of CAS during the ECQ.

Prof. Guiller Realin from the Department of Physical Education offered **free yoga sessions** via Zoom to address the lack of physical activities by the constituents during ECQ.

College of Dentistry

Consistent with the College of Dentistry's vision statement, the Faculty, staff, and students of the College collaborated to address the threats of COVID-19 and the restrictions of the Enhanced Community Quarantine (ECQ). The ECQ imposed limitations on their ability to fully serve not just their patients' oral health needs but also the community at large.

As public service is deeply engrained in each member of the College of Dentistry, the virus and lockdown did not keep them from fulfilling their duties.

On the home front, UPCD students are regularly checked on through their advisers, the student council, and student relations officer. **Counselling and Emergency hotlines** were offered by faculty members to students who need someone to talk to.

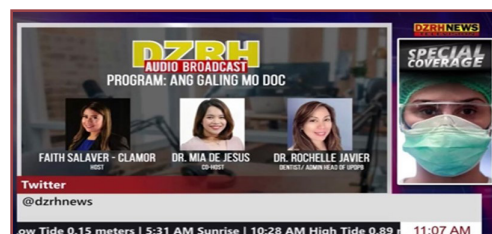
As there were several students who were stranded in Metro Manila, food and other necessities were donated by faculty and friends. Donations for frontliners from UPCD constituents and alumni varied from food, PPEs, disinfectants, and tooth brushing kits, among others.

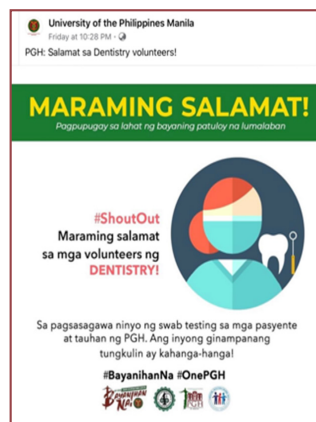
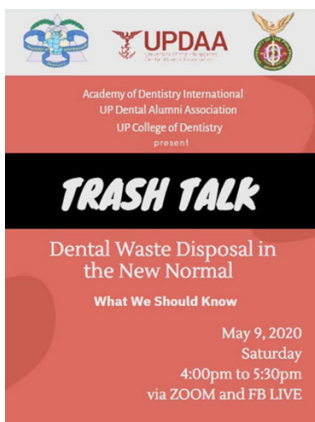
Meanwhile, UPCD opened its doors to frontliners by providing **temporary shelter** for the UPM-PGH guards and PhilCare employees.

Dentists all over Metro Manila are unable to open their clinics to attend to the concerns of their patients due to COVID-19. To address this, the UP Dentistry Alumni Association (UPDAA) launched **"UP Dentista Para sa Bayan"**, an online teleconsultation portal (facebook.com/updentistaparasa bayan March 22, 2020 / Twitter @UPDentistaBayan March 27, 2020) for anyone in need of dental advice. Prospective clients can post their questions and the page will assign a volunteer dentist to attend to their concerns in private. All consultations are free for the duration of community quarantine.

To further reach the people nationwide, radio, television, and news agencies have broadcasted the efforts of our graduates in addressing urgent oral health concerns of Filipinos.

UPCD faculty and students responded and continue to volunteer at **UP PGH Bayanihan Na! Operations Center**.





UPCD alumni were mobilized to volunteer at the UP Philippine General Hospital to do swab testing for its employees and patients.

The first ever continuing education webinar entitled **“Trash Talk: Dental Waste Disposal in the New Normal”** was offered by the tripartite of UPCD, UPDAA, and the Academy of Dentistry International, Philippine Section to help prepare dentists for the new normal in the practice of dentistry.

From soliciting and distributing donations, to mobilizing volunteers, offering online continuing education opportunities, to connecting people in need with those who may help, or by simply staying home, the UPCD community will continue extending its support in this fight against COVID-19.

College of Medicine

The UP College of Medicine initiated measures to protect students and staff from COVID-19 since January and provided alternative learning activities for the former. With the imposition of quarantine, reading assignments and non-graded self-assessments, video demonstration of clinical skills, and other forms of teaching became the norm. Blended learning modules with UP Manila's Virtual Learning Environment Platform showed that all courses could be accessible 24/7.

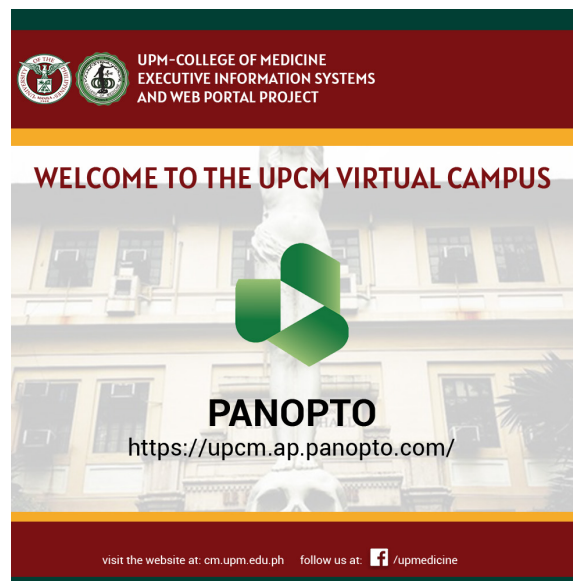
The PANOPTO software obtained for the college in October proved to be a big help. With the launching of the UP-PGH *Bayanihan Na!* Operations Center, 69 volunteer interns responded and are manning the hotline 155-200. Some consultants were put at higher risk among all medical professionals as PGH became a COVID-19 referral hospital. Sadly, a number of UPCM alumni and faculty passed away in the fight against COVID-19.

The early response of UP Manila NIH scientists led by Dr. Raul Destura in developing an RT-PCR test together with 20,000 A*STAR Fortitude kits donated by private company Monde Nissin significantly helped in our efforts.

Some of our faculty members are actively involved in the Inter-Agency Task Force that was convened to tackle this pandemic. Our epidemiology experts also provided crucial inputs. The College (thru Dr. Ana Melissa HilvanoCabungkal) participated in putting out the UP Manila NIH position paper on the "Whole-of-Society Approach".

A SIBOL (Surgical Innovation and Biotechnology) COVID-19 response team with project leader Dr. Edward Wang was born from a collaboration of engineers and clinicians under the UPCM SIBOL program set up in 2019. This was instrumental in mounting over ten projects (PPEs, telemetry, tracking, and decontamination) that will receive additional funding from DOST-PCHRD. There will be ten other projects with the UP College of Engineering (under Dean Ferdie Manegdeg), funded by the UP Engineering Research and Development Foundation headed by its President Rico Trinidad (with about PhP 3.5 million from 87 donors).

As to raising funds, the UP Medical Foundation in partnership with the Ten Outstanding Women for the Nation's Service, Inc. raised more than PhP 37 million for 500,000 Personal Protective Equipment (PPEs) and other needs.



UPM - COLLEGE OF MEDICINE
EXECUTIVE INFORMATION SYSTEMS
AND WEB PORTAL PROJECT

WELCOME TO THE UPCM VIRTUAL CAMPUS

PANOPTO
<https://upcm.ap.panopto.com/>

visit the website at: cm.upm.edu.ph follow us at: [/upmedicine](https://www.facebook.com/upmedicine)



ISSUE 1 UP COLLEGE OF MEDICINE VOL. 30

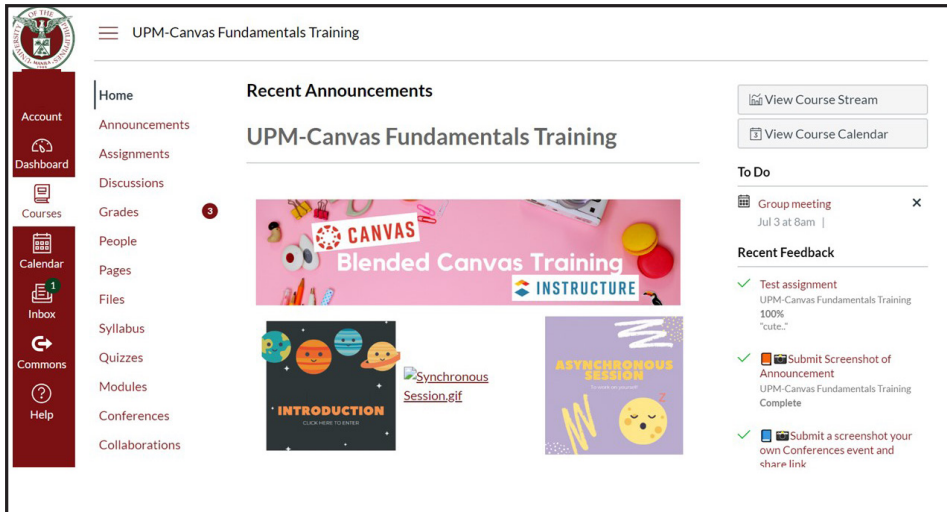
INSPIRE

#OneIM
The UP-PGH
Department of
Medicine during the
Pandemic

**Harnessing
the Force**
The PGH Neurology
Experience

**Beyond the
Normal**
UPMAS Cebu Versus
COVID-19

**UPCM IN THE TIME
OF COVID-19**



The dire lack of PPEs at the start of the pandemic was met by engineers pooling together their 3D printers to make face shields and design ventilators from open source as well as modify neonatal ventilators (Ostrevent) into adult ventilators.

The RxBox developed by the NIH's National Telehealth Center was repurposed and will be used in the PGH isolation rooms. With UP President Concepcion's AO dated March 3, 2020 creating a Collaborative Research Structure between UP Diliman and UP Manila, the university's COVID-19 research team led by Drs. Marissa Alejandria and Aileen Wang prepared many projects with multidisciplinary teams of virologists, data scientists, MD-PhD students, and other experts. They also pushed for the country's inclusion in the WHO Solidarity Trial, thus gaining access to some of the unavailable therapies for Covid19. One study is the use of convalescent plasma therapy for COVID patients.

College of Nursing

The UP College of Nursing has produced over the years thousands of nurses who are now in the frontlines in the Philippines and worldwide. These alumni have dedicated themselves to provide safe and quality care to patients notwithstanding the inherent risks in their line of work.

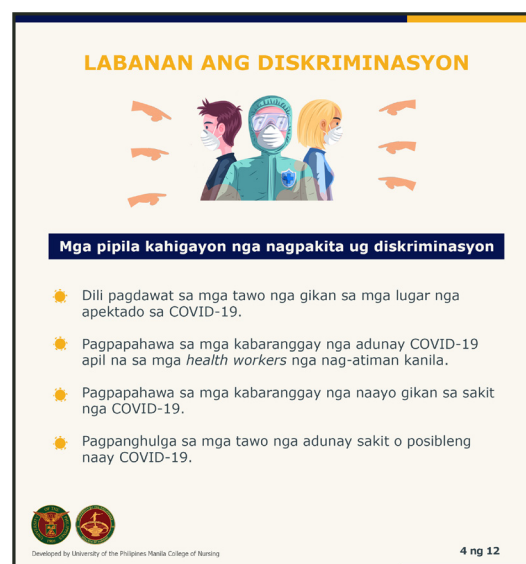
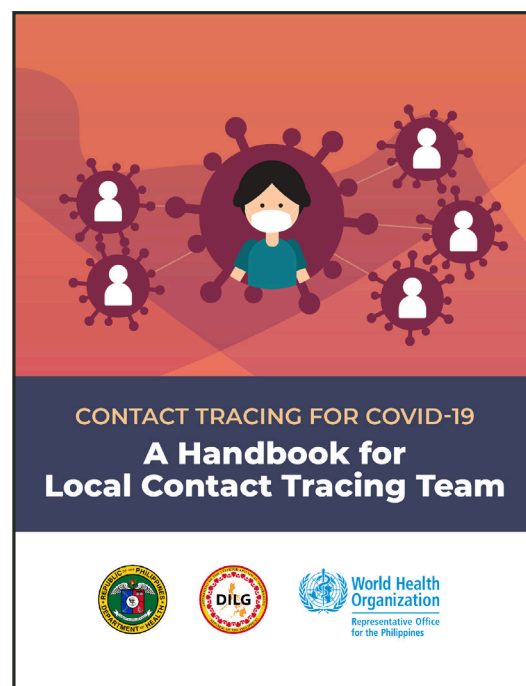
Academe-government-community partnerships that provided opportunities for the faculty and student nurses to aid in strengthening COVID-19 response are: (1) **Risk Communication and Community Engagement (RCCE)** for COVID-19 awareness, and (2) **Capacity-building on community management and contact tracing** for COVID-19.

RCCE initiatives focused on service learning, which required the deployment of fourth-year students in a rural setting as part of their intensive community health nursing experience. Faculty initiatives and community extension services made use of institutional and personal networks.

The second batch of graduating students of AY 2019-2020 communicated with selected community health workers in Cavite through video conference calls which were facilitated by the community organizers of CHDP. Based on the needs assessment, the engagement centered on the provision of health education about COVID-19 by the students to community residents and barangay officials through the **creation of relevant IEC materials** based on the latest updates provided by health authorities.

The graduating students were also invited to conduct **capacity building** regarding the management of COVID-19 via **individual online training of community volunteers**. The training focused on general knowledge about COVID-19 including (1) nature, transmission, signs and symptoms, and risk factors, (2) disease prevention and infection control measures, (3) home and community management, (4) implementation of policies and isolation of suspected/confirmed cases, and (5) addressing stigma and discrimination in the community.

The College spearheaded the development of **infographics on social stigma** based on the WHO Technical Guidance. This is to counter the increased spread of misinformation about the disease that has led to discrimination and social stigma against frontliners and those affected by COVID-19. The development of infographics was conceptualized by selected UPCN faculty



around late March 2020 and translation of the infographics to different languages was made through the assistance of UP CHDP and Sentro ng Wikang Filipino Manila network of volunteers.

From the initial English and Tagalog versions, the infographics were translated into twelve (12) languages including Bisaya, Cebuano, Waray, Hiligaynon, Kinaray-a, Ilocano, Itawis, Bicol, Albay Bicol, Kapampangan, Pangasinense, and Maranao. Two languages, Tausug and Chavacano, were turned over to UP CHDP for local universities interested in transforming the content to infographics.

Dissemination of the COVID-19 stigma infographics was initially through the official Facebook page of UP College of Nursing. High-resolution copies were also made available for the CHDP to disseminate with networks and partners.

The partnership among the Department of Health, World Health Organization, and the UP College of Nursing in the development of an online course in contact tracing stemmed from the need to immediately train huge numbers of contact tracers across the country. This online training course went through several iterations and rigorous review. Six modules were developed: **(1) COVID-19 Definition and Situation Update; (2) Policies, Guidelines, and Ethico-Legal Issues; (3) Definition, Goals, and Steps in Contact Tracing; (4) Data Management in Contact Tracing; (5) Personnel Needs in Contact Tracing; and (6) Facilitating Training.**

Aside from the modules, two video materials were also produced—the promotional video which provides an overview of contact tracing and the steps involved, and the instructional video which discusses in-depth the steps in contact tracing. The videos were made available in English, Tagalog, and Bisaya.

All the modules and course materials were uploaded to the course site (<https://upcn.vle.upm.edu.ph>). Course development started on 21 April 2020 until 10 May 2020 when the course site was live and enrollment of students commenced.

The College launched the #NursesVoices in its official Facebook page for nurses to share their experiences and contributions to steer public attention and discussion towards increased investment in the health sector, in general, and in nursing, in particular. The #NursesVoices campaign has featured nurses working in the hospital and in public health settings.


#NursesVoices 

“
This pandemic made it even more evident that nurses are vital in a health care system and that staff shortage has always been a pressing concern.


We chose to make sacrifices and take risks despite the circumstances so we could fulfill our commitment and help in fighting our 'invisible enemy'.




Kate Anjelyn Sereneo, RN
Staff Nurse
Quezon City, Philippines

#NursesVoices 

“
As a public health nurse, I work together with Barangay Health Emergency Response Teams (BHERTS) to ensure strict compliance of PUMs & PUIs to the home quarantine protocols and to disseminate accurate information pertaining to COVID 19 in order to avoid panic in the community.”




Suzanne Zaspas, RN
Public Health Nurse
Rural Health Unit
Libacao, Aklan

#NursesVoices 

“
Nurses are truly the driving force of any hospital and without them (without us), the system would collapse in an instant. In the face of this major crisis, we are called once again to duty and despite the major risk to our health and the health of our loved ones, we answer the call. Despite being pushed out of our comfort zones, we strive to still deliver quality holistic care our patients deserve. We hold on to the support, love, and prayers constantly being showered upon us by others.

The war against this virus will go on and we will prevail.



Inna Felicia I. Agoncillo, RN
Staff Nurse
Manila, Philippines

College of Pharmacy

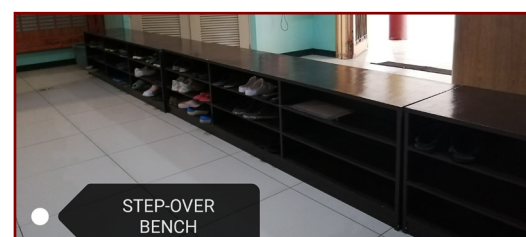
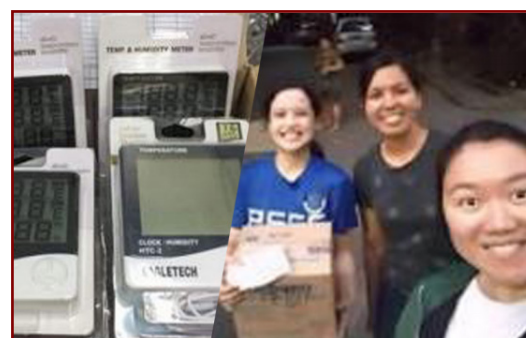
Alumni and students of the college served as volunteers at the PGH *Bayanihan Na!* Operations Center. Several faculty members became part of the BNOC by joining the Volunteer Management Team tasked with creating and implementing the online database to manage the schedule of shifts, accommodation, and transportation of the BNOC volunteers. Other faculty members, together with some alumni and students, volunteered as call center agents for patient and donation queries.

Some alumni extended assistance by volunteering in **Ask Your Pharmacist!**, an online pharmacist consultation for healthcare professionals and patients initiated by the Philippine Pharmacists Association (PPHA).

The faculty and admin staff initiated a fund drive for the janitors and guards in the college to sustain them for the duration of the community quarantine. PPEs were donated to PGH and NIH. The UP College of Pharmacy Alumni Association, Inc. and the UP Pharmacy Alumni Foundation, Inc. launched a donation drive for the BNOC to purchase PPEs and other supplies needed by PGH. The alumni donated **refrigerator thermometers** to UP-NIH for monitoring the temperature conditions of the samples for COVID-19 testing. Student organizations also took part by providing COVID19-related infographics shared through their respective social networking sites.

UP COLLEGE OF PHARMACY
TELEPHARMACY SERVICE
 Para sa mga tanong tungkol sa gamot:
<https://forms.gle/HDk9Ux5DS9BpZYbE7>

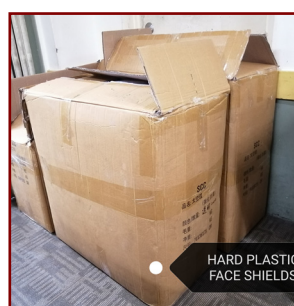
The graphic features the college's logo at the top, followed by the text 'UP COLLEGE OF PHARMACY TELEPHARMACY SERVICE'. Below this, it says 'Para sa mga tanong tungkol sa gamot:' and provides a Google Forms link. At the bottom, there is an illustration of a laptop displaying a medicine bottle, a document, and icons for SMS, a speech bubble, and an email.



WALL FANS & STAND FANS



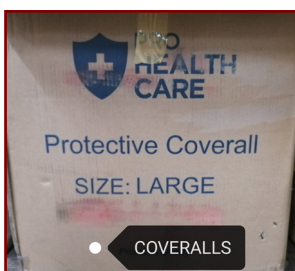
EXHAUST FANS



HARD PLASTIC FACE SHIELDS



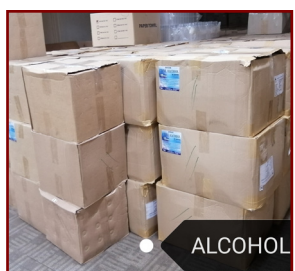
SHOE COVERS



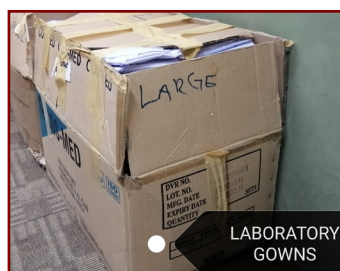
COVERALLS



ALCOHOL SPRAY BOTTLES



ALCOHOL



LABORATORY GOWNS

College of Public Health

UP CPH is represented in policy discussions such as in the DOH COVID-19 Technical Advisory Group and the UP COVID-19 Response Team, which directly provide technical inputs that shape the decisions being made by the InterAgency Task Force (IATF). It has also contributed to policy statements on the COVID-19 response that is generated by the University, LGUs, civil society organizations, and coalition networks.

Policy Recommendations

- Representation in the Department of Health DOH Technical Advisory Group
- Inputs to the Philippine Senate for amendments of the Notifiable Diseases Act (RA 11332) and the Quarantine Act (RA 9271)

Technical assistance

- Guidelines development with Commission on Higher Education for establishing community quarantine/isolation units in higher education institutions
- Serving as resource persons in webinars or discussion groups (e.g. British Embassy Manila, CNN Philippines)

Setting up of community-based isolation units (CIUs) in support of the CHED and selected LGUs has also been a priority. Facilities of state universities and colleges have been made available to serve as CIUs. In support of this undertaking, CPH assisted the Commission in developing guidelines for SUCs and LGUs, consistent with DOH guidelines.

CPH hosts the graduate training in public health of physicians under DOH's Doctors to the Barrios Program. In solidarity with students and colleagues who are in LGUs nationwide, CPH faculty have provided support by facilitating response to their needs for personal protective equipment (PPE) and other forms of support, through linkages with DOH, other national agencies, the private sector, and other units of the University, especially UP Cebu.

Connecting information to LGU response

- Webinars and other means of communication with students in the frontlines (e.g. Doctors to the Barrios – DOH rural health physicians who are also MPH students)

Working closely with the WHO Philippine Office and the DOH Epidemiology Bureau, CPH's technical assistance in the field of

Foreign, Commonwealth & Development Office
British Embassy Manila

The Department of Medical Microbiology
College of Public Health, University of the Philippines Manila
SEAMEO TROPED Philippines

invites you to the *Second Webinar of*
Public Health in the Time of COVID-19 and the New Normal:
British Embassy Manila – UP College of Public Health
Webinar Series for Public Health Workers

Amplifying Vaccine-Preventable Disease Control During the COVID-19 Pandemic

22 October 2020, Thursday
4:00 – 5:45 p.m. (Philippine Standard Time) | 9:00 – 10:45 a.m. (British Standard Time)

OPENING REMARKS	SPEAKERS				
 Dean and Centre Director College of Public Health UP Manila SEAMEO TROPED Philippines	 Hon. Member & Ambassador United Kingdom Office in Manila and Northern Ireland	 Coordinator Expanded Programme on Immunisation Division of Communicable Diseases Western Pacific Region World Health Organization	 Professor Emeritus College of Medicine, UP Manila Executive Director Philippine Foundation for Vaccination	 Chief, Health Sector Group Asian Development Bank	
REACTORS	MODERATOR	CLOSING REMARKS			
 President Association of Member Health Offices of the Philippines Manila Health Office, Zamboanga	 Chair, Department of Medical Microbiology College of Public Health, UP Manila SEAMEO TROPED Philippines	 Associate Professor Department of Medical Microbiology College of Public Health, UP Manila SEAMEO TROPED Philippines	 Professor Department of Medical Microbiology College of Public Health, UP Manila SEAMEO TROPED Philippines		

Registration link: tinyurl.com/REMUPWebinar2



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Public Health in the Time of COVID-19 and the New Normal
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Webinar Series for Public Health Workers

Department of Medical Microbiology
College of Public Health, University of the Philippines Manila
SEAMEO TROPMED Philippines
presents

DOUBLE TROUBLE:
Fighting (Hyper)Endemic Tuberculosis
Amid the COVID-19 Pandemic

THURSDAY | 05 November 2020 | 4:00 - 5:45 PM PHT, 9:00 - 10:45 AM BST
Via Zoom or Facebook (fb.me/uptph)

SPEAKERS

Dr. Rajendra-Prasad Yadav
Senior Medical Officer
Philippine Tuberculosis Programme
Regional Office for the Western Pacific
World Health Organization

Dr. Anna Marie Celina Garfin
Ribbon Epidemiology Control Program
Disease Prevention and Control Bureau
Department of Health - Philippines

Dr. Regina Berba
Infectious Diseases Specialist
Former President, PASCAT
Head of TB-DOTS PRIME
UP Philippine General Hospital

REACTOR

Dr. Manuel Jorge II
Pulmonologist
Professor, Department of Physiology
UP College of Medicine

MODERATOR

Dr. Rodel Delgado
Tubercle Epidemiology Control Program
Disease Prevention and Control Bureau
Department of Health - Philippines
PHDT Physician, ESHPH PHDT STC

Dr. Evalyn Roxas
Associate Professor
Department of Medical Microbiology
College of Public Health, UP Manila
SEAMEO TROPMED Philippines

Register Here: <https://tinyurl.com/BEMUPCPHWebinar>

epidemiology is contributing to strengthen the DOH's surveillance and data analytics. Moreover, CPH co-convened the Public Health Communications Advocacy Network, which closely collaborates with DOH health promotion efforts.

- Research Efforts**
- Development of SaniPod disinfection cubicles for PPEs, UV Cabinet for Decontamination of PPEs and CleanIntubate for Decontamination of Laryngoscopes (with UP Colleges of Medicine, Science, and Engineering)
 - Seroprevalence study (with Department of Science and Technology and DOH-Research Institute for Tropical Medicine)

Its Information Committee also amplifies key messages issued by the DOH and WHO. CPH faculty have also partnered with professional societies as resource persons in webinars and mass media.

nutrition

A webinar on

Food Security and Food Purchasing Behavior during the COVID-19 Pandemic:
The Malaysian and Philippine Experience

SPEAKERS:

DR. SERENE TUNGEN HUI
Assistant Professor
Department of Food Science and Nutrition
UCSI University
Kuala Lumpur, Malaysia

DR. CECILIA S. ACUIN
President, Philippine Association of Nutrition
Adjunct Associate Professor
Institute of Human Nutrition and Food
University of the Philippines Los Baños

MODERATORS:

DR. HIP-SENG YIM
Associate Professor and Director
Office of Postgraduate Studies
UCSI University
Kuala Lumpur, Malaysia

DR. ERNANI R. BULLECE
Professor and Chair
Department of Nutrition
College of Public Health
University of the Philippines Manila

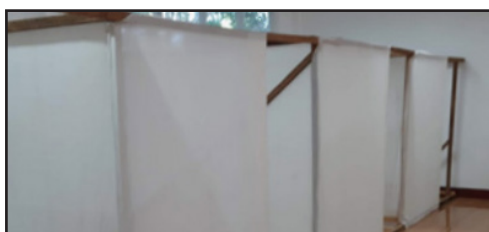
Scan QR to register OR register at
tinyurl.com/DONWebinarUCSI

28 August 2020 (Friday)
4:00 - 5:00 PM (PST)
via **zoom**

UCSI University
A collaboration of Department of Nutrition, College of Public Health, University of the Philippines and Office of Postgraduate Studies, UCSI University, Malaysia

- Information System Strengthening**
- Contact tracing, case profiling, coordination with hospitals and subnational laboratories, data analytics
 - Collaboration with WHO Western Pacific Region and Philippines Country Office to support the DOH Epidemiology Bureau
- Filtering and amplification of information**
- Co-convening of the Public Health Communications Advocacy Network with DOH Health Promotion Bureau and public communication experts
 - Amplifying of WHO and DOH key health messages (Information Committee)

CPH also collaborates with counterpart Southeast Asian institutions in keeping with its role as a SEAMEO TROPMED Regional Centre. These efforts are carried out alongside other initiatives within the University, including participation in the Bayanihan Na! Operations Center of the Philippine General Hospital.



Protocols for the setting up of community-based isolation units in state universities and colleges, such as these in Camarines Norte State College, were developed by CPH faculty in partnership with the Commission on Higher Education. (Photos courtesy of Camarines Norte State College)

- Volunteer Efforts**
- UP-Philippine General Hospital as national referral center for COVID-19 severe cases, CPH faculty and staff participation
- Distribution of PPE Kits to Frontliner Workers**
- In partnership with the National Grid Corporation of the Philippines
 - In partnership with UP Cebu

National Teacher Training Center for the Health Professions

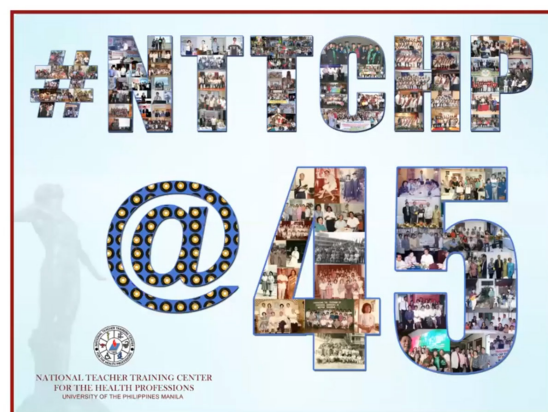
The faculty were quick to shift gears from blended learning to pure online learning with zoom classes and online thesis defense when the pandemic struck. When classes were suspended, NTTCHP students continued to access the learning management system and worked on their individual outputs. Then newly approved programs, namely **Master of Arts in Health Professions Education**, **Master's in Health Professions Education**, and **Doctor of Health Professions Education** were all offered in remote mode.

The lockdown did not stop the College from offering extension services. **HPed Expo** and the **Interuniversity Workshop** were conducted online. The theme in 2020 was "Health Professions Education in the midst of Universal Health Care and Covid-19." Synchronous sessions as well as asynchronous teaching and learning strategies addressed the needs of health professions teachers who had to immediately shift to online learning and health professionals who had to manage patients during the pandemic. Free monthly seminars were also conducted on application of research in HPed.

Research activities focused on development of online continuing professional education. With the support of the Philippine Council for Health Research and Development and the Health Policy Development and Planning Bureau of the Department of Health, 300 DOH personnel underwent online training on health policy and systems research. Multi-disciplinary training for women and children protection were also offered online in collaboration with the Juvenile Justice Welfare Council.

Together with the NTTCHP Student Council, a weekly zoom meeting with students called, "**Kumustahan at Kulitan and Kasiyahan ng NTTCHP family**" was initiated. The NTTCHP website created a special page for COVID-19 information and psychosocial support hotline. The faculty and staff came up with a short video, "**NTTCHP booster**," which was intended to give students and alumni hope and instill faith. The official website was likewise reconfigured to show the new academic offerings to current and prospective students and provide timely and current information on NTTCHP activities and events.

Students, faculty and alumni have been giving their share by doing their duty, serving as part of the management team in the Philippine General Hospital and other hospitals and doing volunteer services at UP or elsewhere.



School of Health Sciences

The School of Health Sciences raised funds from internal private donors to provide spartan but nutritious meal packs to persons manning the busiest quarantine checkpoints in Tacloban City and Palo, Leyte where the campus is located. Checkpoint personnel were targeted for this project because they are among the most vulnerable but also the most neglected group in the hierarchy of front liners. The lunch pack project served four checkpoints at the border shared by Tacloban and Palo and a fifth checkpoint at the border of Leyte and Samar, where the first COVID-19 confirmed cases in Eastern Visayas were detected.

SHS continues to work with its local government partners during the COVID-19 crisis. The school is coordinating with the Barangay Health Emergency Response Team (BHERT) of Barangay Luntad in Palo, Leyte where the SHS main campus is located. The SHS Mercy Relief prefabricated building was identified as a possible storage facility for barangay supplies and equipment during the COVID-19 crisis.

Surgical masks were distributed to two of its local government partners and learning communities, particularly their RHU personnel in the municipalities of Pastrana and Babatngon in Leyte Province.

SHS Baler teachers checked on the psychological and social status of their 13 stranded students during the COVID-19 pandemic. Eleven of the students are taking up Diploma in Midwifery, many are from Palawan while others are from Cagayan, Isabela, and Ifugao.

Prof. Joel Valencia, a guidance counselor and SHS faculty member, conducted a group counseling session with the students who were healthy and COVID-19 symptom-free. One of the concerns they raised was homesickness which they were able to manage by going through their daily routine and doing zumba. They also keep themselves busy with social media. None of them expressed financial difficulties and scarcity of food supplies. A faculty member donated a half cavan of rice for them while others gave food.

To intensify information dissemination and increase the community people's awareness on COVID-19, SHS Baler distributed pamphlets in Barangay Reserva and Barangay 1, Baler Aurora. Supplementary health education session was conducted for some residents.

The information campaign was made possible through the staff from the different rural health units in coordination with the provincial office of the Department of Health.



WEBINARS

STOP COVID DEATHS

STOP COVID DEATHS webinar series to share the experiences and current practices of clinicians, scientists, researchers, and hospital administrators in the fight against COVID-19. The series is a joint project of the University of the Philippines through the UP Manila National Institutes of Health's National Telehealth Center, and the Philippine Health Insurance Corporation.



UPCN Webinars

The UP College of Nursing (UPCN) conducted four webinars to highlight current issues on COVID-19 and the roles of nurses and other health workers. The webinars brought together nurses, public health practitioners, and local government personnel to share their ideas, insights, and experiences.



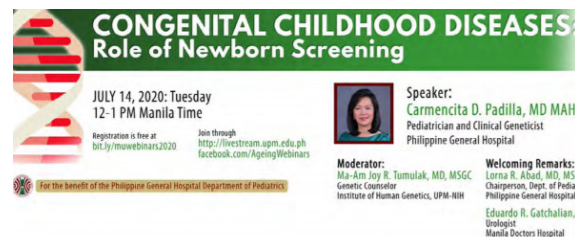
Kalusugan ay Karapatan

Hosted by UP Manila Chancellor Carmencita Padilla, the “Kalusugan ay Karapatan” series being produced and broadcast by TV UP imparts vital information on health issues. It produced and streamed 5 episodes on COVID-19-related topics.



Dr. Salvacion R. Gatchalian Memorial Webinar

The year-long pediatric webinar series aims to honor the memory of Dr. Salvacion R. Gatchalian, a renowned pediatric infectious disease specialist, President of the Philippine Pediatric Society, alumna of the UP College of Medicine, and member of the Mu Sigma Phi Sorority, whose untimely passing shook UP Manila and the medical community.



The series tackles relevant and timely medical topics on the care of children – immunization, diabetes, hearing loss, nutrition, developmental growth, pneumonia, red eye, among others. Through interactive lectures, prominent specialists in the forefront of their respective medical fields, here and abroad, discuss salient points to provide evidence-based guidelines for timely and appropriate medical care and improve the quality of life of the pediatric population.

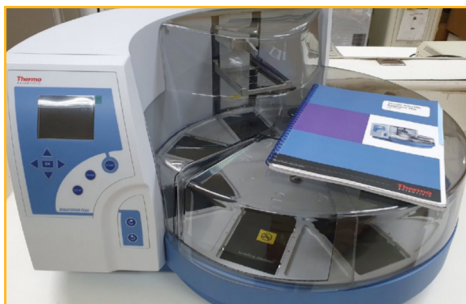
DONATIONS



Ayala Land Premier donated brand new mobile GE BRIVO XR 115 (X-ray machine) on April 8, 2020



US Ambassador to the Philippines Hon. Sung Kim turned over 150 military grade cots for the PGH healthcare workers and personnel



Lopez-controlled First Gen Corporation and ABS-CBN Corporation donated P46 million worth of machines and lab equipment. ABS-CBN donated several units of a fully integrated automated molecular diagnostics platform known as BD Max.



Novartis donated P19.3M for COVID-19 testing kits



Donations of N95 respirator masks, hazmat suits, and other PPEs from Mr. Henry Yunez, CEO of Buddhist Compassion Relief Tzu Chi Foundation, Philippines



Turnover of 1M cheque to fund the RT-PCR machine of National Institutes of Health, UP Manila from Cocolife.



Breathing circuit for ventilator from Rotary Club Makati



First batch of PPE delivered to Dr. Jessie Catabui and frontliners of UP Diliman Health Service (April 20, 2020)



Child International Organization (Kansas, USA) delivered 8,000 N95 masks, 1,000 hazmat suits and PPEs



Fundacion MAPFRE and Spanish Embassy donated ventilators, KN95 face masks, Personal Protective Gowns, and other supplies.

REPOSITORY OF
Heritage and Culture





Old College of Medicine

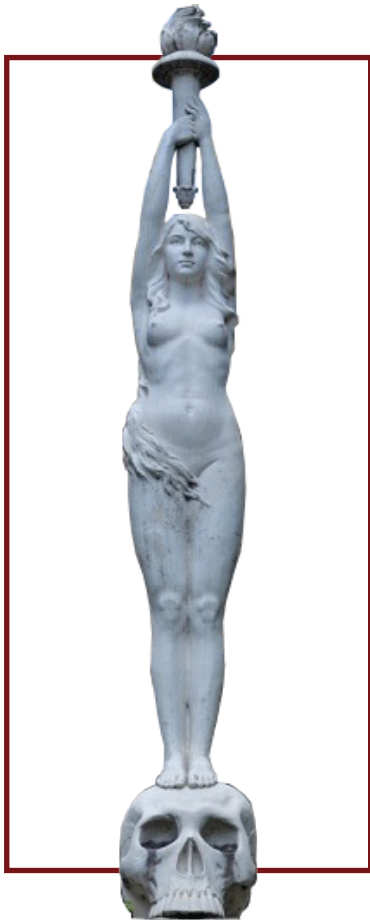
New College of
Medicine building



THE HISTORIC CORE OF THE UNIVERSITY OF THE PHILIPPINES

For UP Manila, history and heritage are literally engraved into the walls of its campus, which stands unique among UP's 17 campuses in the way it blends the past and the present, towards academic excellence, research, and public service, in one dynamic and relevant whole.

Situated in the middle of the metropolis and as the original birthplace and cradle of UP, the Manila campus is home to heritage buildings and artefacts that date back to the early 1900 and were witnesses to its early struggles and formative years. Students, faculty, staff, personnel and patients walk daily through heritage buildings such as Rizal Hall now occupied by the College of Arts and Sciences, the College of Medicine; the PGH with its two heritage structures, the Cancer Institute and Nurses Home; the College of Public Health; the National Institutes of Health; and the Museum of a History of Ideas (formerly the old Infirmary and later occupied by the College of Dentistry, which moved to its own building in 2002).



The heritage buildings are not the only treasures within the campus. There are works of art, such as the concrete replica of Dr. Jose Rizal's **Triumph of Science Over Death**, known colloquially as **Triumph** or **Lady Med**; the sculpture, **Celebration of Life**, by National Artist Napoleon Abueva; the murals of National Artist Carlos "Botong" Francisco in the PGH lobby, depicting the history of Philippine medicine; the mural titled **History of Medicine** by Jose Blanco at the PGH Lobby, created to commemorate the PGH's 100th anniversary; and the mural at the NIH lobby by Salvador Juban of Angono, Rizal, portraying UP Manila scientists/researchers who have contributed to the advancement of Philippine medicine.

But by far the heart and soul of UP Manila, occupying 10 of the campus' 14 hectares, is the PGH itself. As the country's biggest modern tertiary hospital, the PGH serves more than half a million patients a year and training thousands of health students and workers. The hospital is also a distinct landmark in the City of Manila, standing out with its classical and neo-classical design, history, and significance.



Most of the UP Manila's heritage buildings were designed to resemble the PGH—huge pillars, high open ceilings, airy windows, graceful lines and curves, long corridors and open spaces that provide a contrast to the suffocating aura of illness and a welcome breathing space for the patients and their caregivers.

They are not just stately buildings, they are the repository of our storied past, with the UPCM and PGH even antedating the University of the Philippines.

The first university building was the University Hall, later renamed Palma Hall and was occupied by the College of Law. Rizal Hall opened in 1921 and was inhabited by the Departments of Botany, Geology, Physics, and Zoology.

The Supreme Court Building directly facing PGH, now named Villamor Hall, was built for the School of Fine Arts and Conservatory of Music which explains the sculptured reliefs of Greek muses of arts and music in its facade. The Session Hall of Supreme Court after Villamor Hall was UP's Main Library.



Old Rizal Hall
Photo: Flickr

The Supreme Court, once the Department of Foreign Affairs and originally the UP Library
Photo: National Library of the Philippines

In 1932, the Institute of Hygiene, predecessor of College of Public Health had its own building, now named Lara Hall along Herran St. Another building was constructed in 1938 for the Institute of X-ray and Radium Therapy which later became part of the Department of Radiology.

This was the setting where minds were nurtured and character was molded to become the leaders and shapers of the nation. But more than that, these scarred edifices witnessed the heroism and sacrifices of the healthcare workers during World War II and beyond when they struggled against diseases such as smallpox and cholera.

The College of Medicine and School of Nursing did not close during the war but ministered to the injured fighters. Quisumbing Hall is named in honor of Intern Resty Quisumbing who was shot dead, mistaken for an enemy, while bringing medical supplies to the operating room.

The original Oblation, UP's iconic monument depicting the Filipino's selfless offering of self to the country, was erected at the Padre Faura campus in 1935 and later transferred to Diliman campus.

The preservation of these and other mementoes and highlights of UP Manila's rich heritage and culture forms part of the goals of UP Manila before they are completely lost to the future generations. These treasures need to be protected to serve as inspiration and added motivation as we battle past the vicissitudes of this pandemic.



gutenberg.readingroo.ms



Philippine General Hospital 1927
Photo: Detroit Public Library, Michigan
John Tewell



fac.arch.hku.hk

CHRONICLES OF HERITAGE AND CULTURE

This is a 12-volume book collection that will document and highlight our glorious heritage. The books will include the extensive history, growth, and development of UP Manila as the birthplace and cradle of UP's intellectual history. With UP Manila as the original place where UP started, the account will be situated within the history of UP and its role in the history and development of the Philippines. The coverage will start from an overview/summary of its past history to be followed by the modern period that will have a detailed treatment of UP Manila and how the issues and challenges of this campus impact on the rest of the university.

Recognizing that the history of UP Manila is a compendium of the history of its colleges and units two of which antedated the founding of UP, the books will also feature the highlights of the history, growth, and achievements of each college, the Philippine General Hospital, and National Institutes of Health. The accounts will be anchored on UP Manila's legacies and contributions to Philippine health and the growth and development of the health sciences and professions.

As of this time, researches have been conducted on existing print and online materials on UP Manila's history.

HISTORICAL BUILDINGS COMMITTEE

Early in 2019, a UP Manila Historical Buildings Committee was formed to unearth information on UP Manila's built heritage of buildings, artifacts, mementos and other preserved works. Appointed chair of this Committee was Prof. Dr. Jose Florencio F. Lapeña, Jr., who described the project as "fascinating and interesting." He explained that the project, "like any historical endeavor, has to be able to try to walk in the shoes [of those who experienced UP Manila's past], see things from their points of view, and be as faithful as possible to their experience, to be "an exercise in history" for the different colleges and units.



Old CAS building



Luneta Hotel on the left next to the University Club apartments- 1932
Photo: Lougopal



POCKET MUSEUMS

The first project of the Committee was the setting up of pocket museums within strategic spaces and corners in the buildings of the different colleges, PGH, and NIH. The project is also an opportunity for them to creatively maximize their spaces.

Several of these pocket museums were inaugurated during the October 2019 foundation celebration of UP Manila that complemented the Historical Walking Tour, one of the activities for the occasion.

The College of Pharmacy pocket museum on drug discovery is among the first to be installed at the second-floor corridor of the CP building.

The Colleges of Dentistry and Pharmacy have creatively embellished their interiors with photos, narratives, and artifacts – pocket portals to the past that will almost certainly make a mark on the academic lives of the students who regularly walk their halls. The Colleges of Medicine, Nursing, Public Health, Arts and Sciences, and Allied Medical Professions gave teasers in the form of exhibits. Mementoes were displayed to honor the living memory of alumni and their achievements. Surprising “discoveries” and little-known facts about these colleges’ century-old locations were told and are further keeping us in anticipation of the plans they will unfold.

Even the University Library and the Philippine General Hospital have begun their own excursions to the past – one can now read up on the UL’s timeline at the unit libraries as well as look at American Period photos of PGH by the PGH Director’s Office.

The pocket museums will be permanent fixtures at the campus. This means that, quite literally, each unit now has the role of being custodians of their own histories. Half the job entails meticulous research and documentation to ensure that nothing is lost to memory, and the other half entails the proper maintenance of all the materials on display.





UP DAY OF REMEMBRANCE

In Proclamation No. 1, Series of 2018, President Danilo Concepcion declared September 21 of every year as "UP Day of Remembrance" throughout the UP System for which he authorizes and encourages the holding of special lectures, meetings, and ceremonies devoted to the commemoration of UP's participation and sacrifice in the struggle against Martial Law. The occasion is also geared towards the continuing education of the UP students, faculty, and staff on the importance of academic freedom, civil liberties, and human rights in our society.

The commemoration is also in recognition of the fact that more than any other place, the university is where the seeds of unrest and repression were sown and nurtured and where the effects of abuses and injustices were felt most during this dark period in the nation's history.

The past two years have witnessed a unified observance of the Martial Law period in all UP campuses around the country with the Office of the Vice President for Public Affairs spearheading the planning and implementation of whole day programs and activities.



LAKAD GUNITA SA PAMANTASANG HINIRANG



First Quarter Storm and Diliman Commune




University of the Philippines
Day of Remembrance 2019

**DAMBANA
NG PAGGUNITA
AT PAGTUTUOS
SA BATAS MILITAR
NI MARCOS**

16 Sept Lakad Gunita sa Pamantasang Hinirang:
First Quarter Storm & Diliman Commune
Take-stand-for-TVUPgh, UP Website and Social Media Platforms

19 Sept **Dambana ng Gunita**
8:00 AM Flag Ceremony and Unfolding of Statements | AS Steps, UP Diliman
8:30 AM Opening Ceremony | Palina Hall Lobby, UP Diliman
2:30 PM **Danas**
Performances receiving and commemorating martial law experience
Palina Hall, UP Diliman
5:00 PM Lakad Gunita sa Pamantasang Hinirang:
First Quarter Storm & Diliman Commune
UPPI Film Studio

20 Sept **Martial Law-themed Film Showing**
(FREE ADMISSION)
8:30 AM Portraits of Mosquito Press
and Reflections with filmmaker E. B. Bagan | Cine Adarna
1:00 PM 1081 (Documentary)
2:00 PM Litwag
Videoquest (limited seating)
by Rip Oshunda | Cine Adarna
4:00 PM Forum on Media, Martial Law, and Human Rights
with Journalist Core P. Davao & artist/writer Bostil Bagan | Cine Adarna

Never Again • Never Forget • Lakad Gunita • UP Day of Remembrance 2019

In 2019, UP’s main commemoration was themed **Dambana ng Paggunita at Pagtutulos sa Batas Militar ni Marcos**, held on Sept. 19 with pre-events from Sept. 12-18 and post event on Sept. 20. The social media platforms of each CU were used to upload images that mirrored the occasion and hash tags printed in posters that echoed the sentiments and protests against the abuses. Alumni and faculty from different UPPP campuses shared their struggles and experiences of injustices during the Martial Law years.

For the 2020 commemoration that was held under the Covid 19 pandemic, the theme was “**Dambana ng Gunita: Mga Hulagway ng Pagkamulat at Kabayanihan 1972-1986**” that showcased stories of activists who fought Martial Law, a storytelling and a sharing of lessons in life and struggle under Martial Law.

The online events were held via Zoom and broadcasted on YouTube on September 21, Monday, and September 22, Tuesday. Featured were leading Martial Law activists who shared their experiences of struggle against the Marcos dictatorship, stories of courage in the face of imprisonment and torture, of resourcefulness and creativity in the face of repression, and of perseverance and heroism in the face of death. The chancellors of the different CUs delivered the opening and closing remarks. There were also recorded performances and a video-exhibit of sights and sounds of life under Martial Law.

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