



OMIC TECHNOLOGIES FOR HEALTH

- 'Omics' refers to the collective study of different biological molecules, including their roles, relationships, and actions
- Uses Omics technology platforms to develop personalized medicines, diagnostics, and therapeutics
- Strengthens evidence-based clinical practice guidelines and health policies in the country by providing molecular bases to health, disease, and treatment specific to Filipinos

TECHNOLOGIES UNDER THE PROGRAM

- Omics for Health and Wellness
- Bioinformatics and Systems Biology
- Novel Technologies for Therapeutics
- Biobanking, Data Mining and Population Studies for Human Health, Ethnicity and Forensic Applications



PHILIPPINE COUNCIL FOR HEALTH RESEARCH AND DEVELOPMENT
DEPARTMENT OF SCIENCE AND TECHNOLOGY



(+632) 837-7534 to 37



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DOST-PCHRD

PRIORITY DISEASES/CONDITIONS

1. Priority Diseases based on the Top Causes of Mortality and Morbidity in the Philippines:

- Cardiovascular Diseases
- Type 2 Diabetes Mellitus
- Malignant Neoplasms
 - Breast Cancer
 - Lung Cancer
 - Liver Cancer
 - Cervical Cancer
 - Stomach and Colon Cancers
 - Prostate Cancer
- Pneumonia and other Chronic Respiratory Diseases
- Kidney Diseases (Nephritis, Nephrotic Syndromes and Nephrosis)
- Diseases affecting Maternal and Child Health

2. Prevalent, emerging and re-emerging infectious diseases such as but not limited to:

- Dengue and dengue-like illness
- Multidrug Resistant/Extensively Drug Resistant Tuberculosis (MDR/ XDR TB)
- Drug-Resistant Malaria
- Influenza-like illness
- Leptospirosis
- Sepsis
- Human immunodeficiency virus (HIV)
- Hepatitis
- Leprosy
- Rabies
- Other NTDs (neglected tropical diseases)

3. Neurological/ Neurodegenerative/ Mental Health Conditions

4. Diseases/Conditions of Special interest in the Philippines (e.g. XDP)

5. Other Applications/ topics of national interest and/or significance