Partnership in ICT Statistics:

The National ICT Household Survey 2019

Country Presentation

Philippines

September 2020

NATIONAL ICT HOUSEHOLD SURVEY 2019

First-Ever National ICT Household Survey

○ To gather ICT data at the household and individual level to support the monitoring of ICT performance indicators

○ To gather critical data on ICT demand towards improvement of public service delivery

○ To provide a national baseline for core ICT household indicators

○ To support ICT planning and policy formulation

Key Roles in the Conduct of the National ICT Household Survey 2019

Philippine Statistics Authority

➜ Inter-Agency Committee on ICT Statistics Endorsement
➜ Statistical Survey and Review Clearance System
➜ Master Sample Design for Regional and National Estimates

Department of Information and Communications Technology

➜ Identification of ICT indicators
➜ Questionnaire Development
➜ Training of Trainors
➜ Facilitation and Field Monitoring

Philippine Statistical Research and Training Institute

➜ Field Supervisors and Enumerators Training
➜ Field Enumeration
➜ Data Processing
➜ Generation of Statistical Tables
➜ Technical and Field Operations Report

SURVEY DESIGN AND METHODOLOGY

PSA Master Sample

43,838 Households
(in 2,617 Barangays / villages)

Respondents

Household Heads

Individuals 10 – 74 years old

Community Heads

Indicators for:

1. Sustainable Development Goals
2. ITU ICT Development Index
3. ASEAN Masterplan
4. Philippine Development Plan
5. National Broadband Plan
6. National Cybersecurity Plan
7. Other data requests

Survey Questionnaires

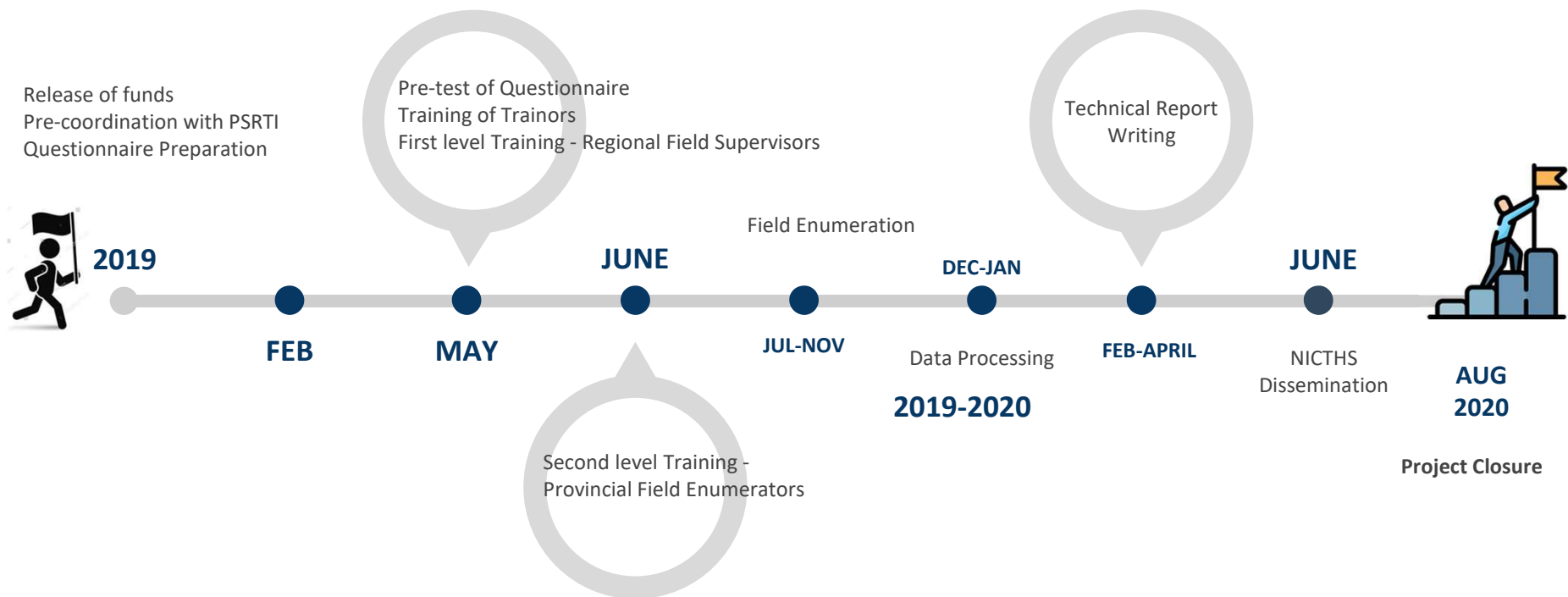Household Questionnaire
Individual Questionnaire
Community Questionnaire

Total Indicators

36 Core ICT
21 Digital Economy
5 Cybersecurity

KEY MILESTONES 2019-2020
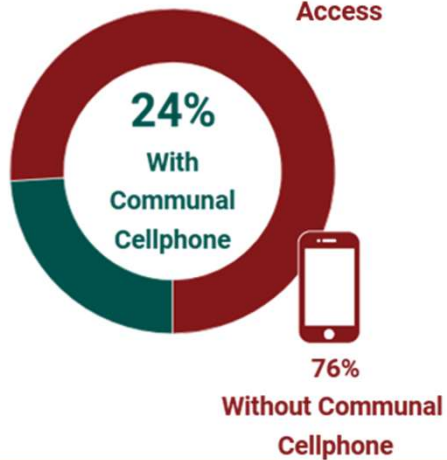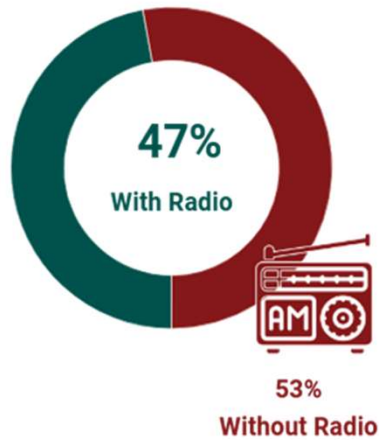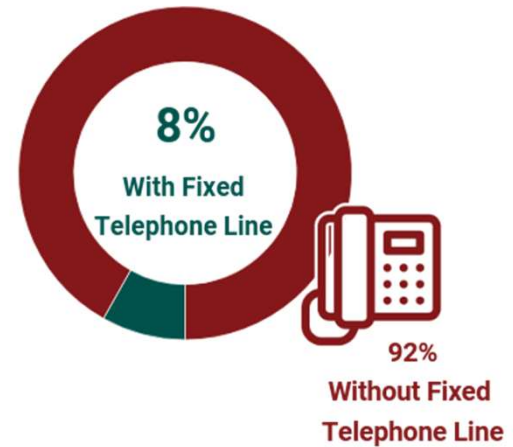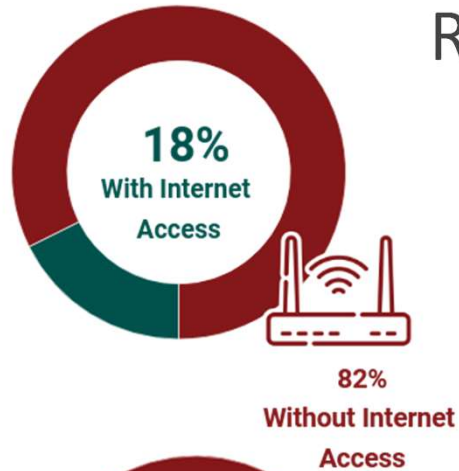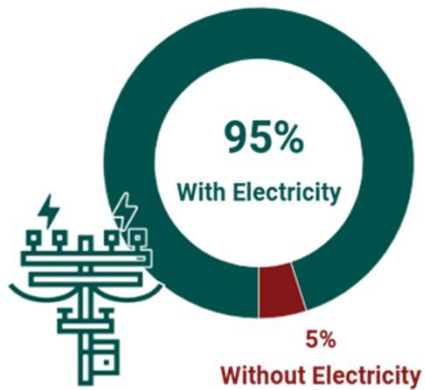
Release of funds
Pre-coordination with PSRTI
Questionnaire Preparation

Pre-test of Questionnaire
Training of Trainors
First level Training - Regional Field Supervisors

Technical Report Writing

Field Enumeration

2019

JUNE

DEC-JAN

JUNE

FEB

MAY

JUL-NOV

Data Processing

FEB-APRIL

NICTHS
Dissemination

AUG 2020

2019-2020

Second level Training -
Provincial Field Enumerators

Project Closure

RESULTS HIGHLIGHTS
ICT ACCESS (HOUSEHOLD DATA)

95% With Electricity
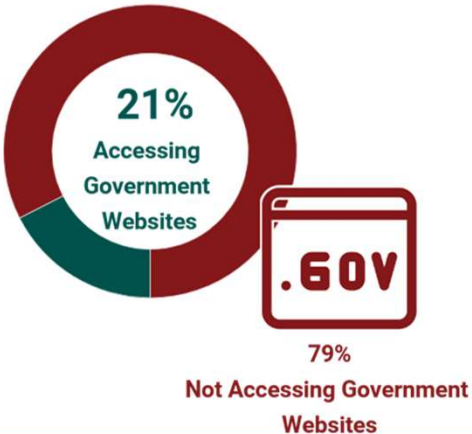
5% Without Electricity

18% With Internet Access

82% Without Internet Access

47% With Radio

53% Without Radio

24% With Communal Cellphone

76% Without Communal Cellphone

8% With Fixed Telephone Line

92% Without Fixed Telephone Line

RESULTS HIGHLIGHTS
ICT USE (INDIVIDUAL DATA)

79% Using Cellphone

21% Not Using Cellphone

43% Using Internet

57% Not Using Internet

2% Sell Goods Online

98% Does Not Sell Goods Online

30% Using Computer

70% Not Using Computer

21% Accessing Government Websites

79% Not Accessing Government Websites

91% Watching TV

9% Not Watching TV
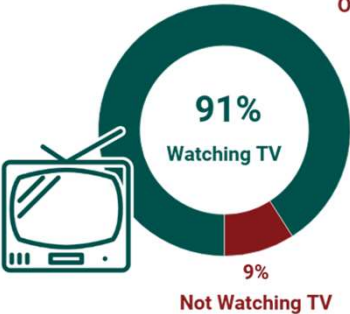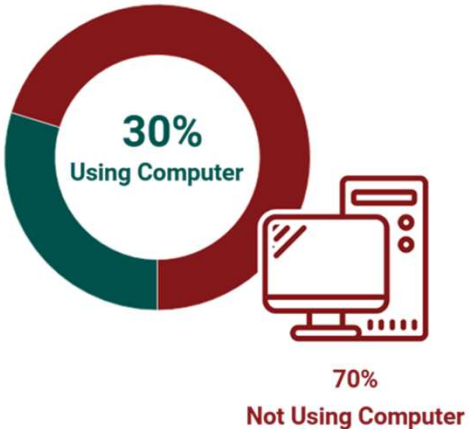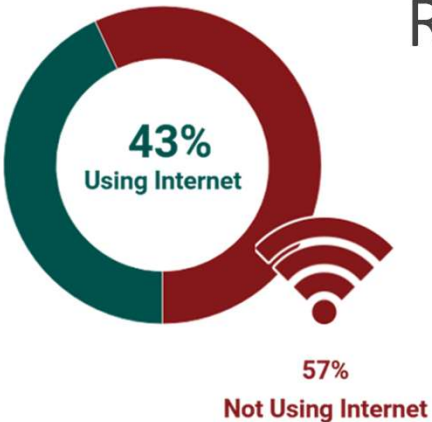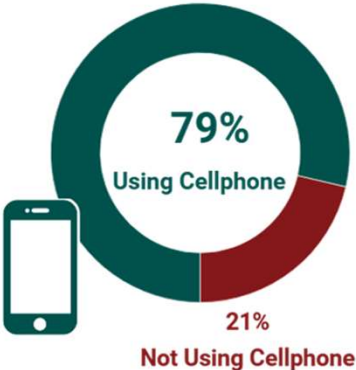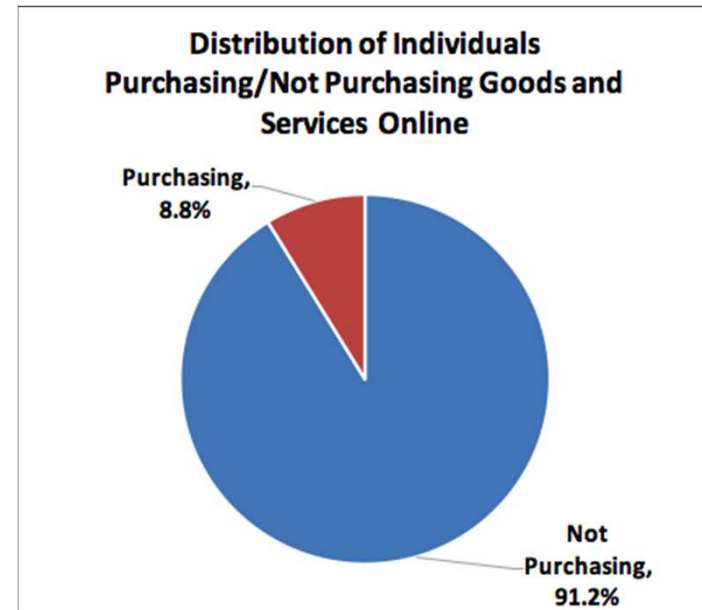
RESULTS HIGHLIGHTS
ICT USE (TOP 5s)

Activities Using Computer (ICT Skills)	Activities of Using the Internet	Device In Using the Internet	Location When Using the Internet	Online Financial Transactions
1. Communication 2. Entertainment 3. Data encoding 4. Copy-paste tools 5. Sending Emails – Text Only	1. Social Networking Sites 2. Access to Information 3. Leisure/Lifestyle 4. Access to Government Websites 5. Learning	1. Cellphone 2. Desktop 3. Laptop 4. Tablets 5. Smart TV	1. In mobility 2. At home 3. Commercial establishments 4. Work 5. Another person's home	1. Buying 2. Payment 3. Selling 4. Banking 5. Booking of Delivery of goods

Pilot Test of a Digital Economy Module

- Twenty-One Indicators on Digital Economy
- Key Findings:
    - Results reflect that e-commerce is not yet a thriving industry in the country.
    - Only 2.0% have sold online or have provided online services as online tutors, virtual assistants and the like.
    - Only 8.8% of respondents have bought products online.

Distribution of Individuals Purchasing/Not Purchasing Goods and Services Online

Purchasing, 8.8%

Not Purchasing, 91.2%

LESSONS LEARNED

- Trainings
  - Technical concepts needed to be carefully explained
    - Questionnaire
    - Computer Aided Personal Interviews
- Risks During Field Operations
  - Difficulty in locating some areas/vacant buildings
  - Unstable internet connection
  - Bad weather conditions – July – November
  - Limited mode of transportation in some far flung areas
  - Limited access to gated/exclusive subdivision
- Reference Period of the past three months
- Survey Software not up to expectations

- Adoption of model questions not totally feasible
- Technical terms needed to be changed
  - Used the term "cellphone" rather than "mobile telephone" since this is a more familiar term in the Philippines
  - Incorporated the term "communal" to capture only the households with a common-use mobile phone/ cellphone
- To conduct enumeration during the summer months
- Flash cards of the different types of Internet connectivity and TV connections were very useful
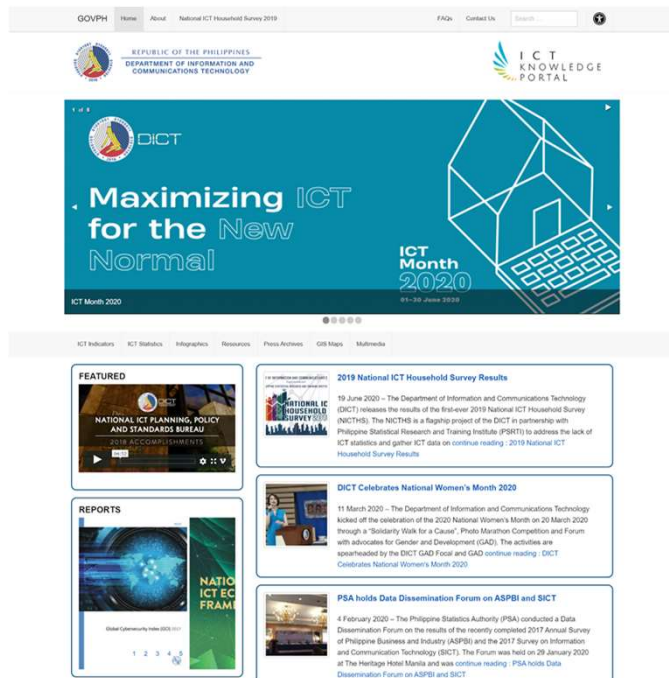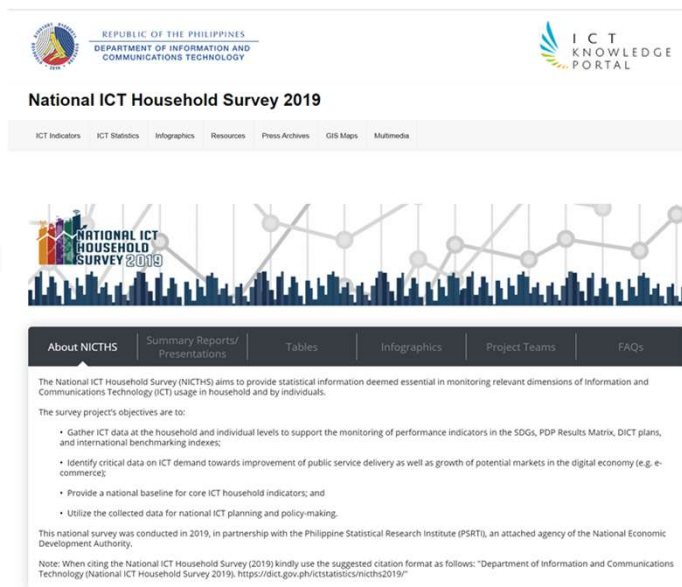
DATA UTILIZATION AND DISSEMINATION

DATA REQUESTS

GOVERNMENT	PURPOSE
Philippine Statistics Authority **Philippine Institute for Development Studies (PIDS)**	● Data on the Digital Economy, to be used for the revising and rebasing of the national accounts in accordance with the international guidelines based on the framework and methodologies of the System of National Accounts (SNA) ● Driving inclusion through empowerment and decent work: The Case of Filipino Women in Online Work ● Background papers on digital and platform economy for the Asian Economic Integration Report (AEIR)
ACADEME	
Management Engineering Major, Ateneo De Manila University	● "An Assessment of the Readiness of Each Household for Transitioning to Online Learning''
FASSSTER Research Team, Ateneo De Manila University	● Need data on internet, TV, and radio accessibility among households; the Team aims to create a socioeconomic portal and economic models.

DISSEMINATION PLATFORM

ICT KNOWLEDGE PORTAL
https://dict.gov.ph/ictstatistics/

NICTHS 2019 Dissemination Page
https://dict.gov.ph/ictstatistics/nicths2019/

1,133
NICTHS Page Views
since June 2020

1,268
Total number of NICTHS
materials downloaded
since June 2020

NEXT STEPS FOR THE NICTHS 2019

- **Data Utilization**
  - **Philippine Institute for Development Studies (PIDS)**
    - DICT-PIDS collaboration on advanced data processing and analysis of the NICTHS
    - Output: Draft discussion papers and policy notes based on the results of the NICTHS
  - **Philippine Statistics Authority**
    - DICT-PSA collaboration on survey on women's access to ICTs towards more gender-responsive social and economic policies
    - Output: Conduct of a Women and ICT Development Survey
  - **Inter-Agency on ICT Statistics**
    - DICT-IAC collaboration using NICTHS results on the Digital Economy
    - Output: Initial DE statistical framework and indicators

THANK YOU!

https://dict.gov.ph/ictstatistics/