

# **Medical Teleparasitology System**

Diagnostic Parasitology using ICT

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# Outline

- Overview of eHealth
  - ehealth, eHealth in the Philippines
  - Telehealth as a subset of eHealth
  - The Philippine Health Information Exchange (PHIE)
  - Ethics in eHealth
- Overview of the MTP and MTP System
- Looking forward

# Overview of eHealth

- What is eHealth?
  - ehealth is the **practice of health care** supported by electronic media, either and both hardware and software, in the context of the need for increased quality and efficiency
  - ehealth efforts are moving forward all over the **Philippines**, albeit in a vertical manner

# Overview of eHealth

- What is Telehealth?
  - It is health care **over a distance**, subset of eHealth
  - **Health professional to health professional**, health professional to patient
  - The archipelagic nature of the Philippines and its health care system **has led to efforts in implementing Telehealth**

# Overview of eHealth

- What is Telehealth?
  - National Telehealth Service Program (NTSP), a collaboration of NTHC and DOH; it connects physicians in the field with more central specialists
    - Doctors to the Barrios program
    - Regionalization of specialist pool
  - **Medical Teleparasitology** is a form of telehealth

# Overview of eHealth

- What is the Philippine Health Information Exchange (PHIE)?
  - It is an effort to unify and harmonize the different eHealth efforts in the Philippines
  - Local health systems connecting to the exchange to contribute to and benefit from the shared information
  - MTP has this potential

# Overview of eHealth

- What are the ethical considerations?
  - Shared health information is always vulnerable to breach in **PRIVACY** and **CONFIDENTIALITY**
    - Secure information media
    - De-identify patient (removing all identifiable traits)
    - Informed consent - nature of procedure, pros and cons, risks, identification of people involved, patient's rights

# Overview of MTP

- What is the MTP?
  - The MTP is the network of health care professionals in diagnostic parasitology sharing information remotely using an online cloud application
  - Rules and Ethics in shared health information apply to any and all activities of the MTP



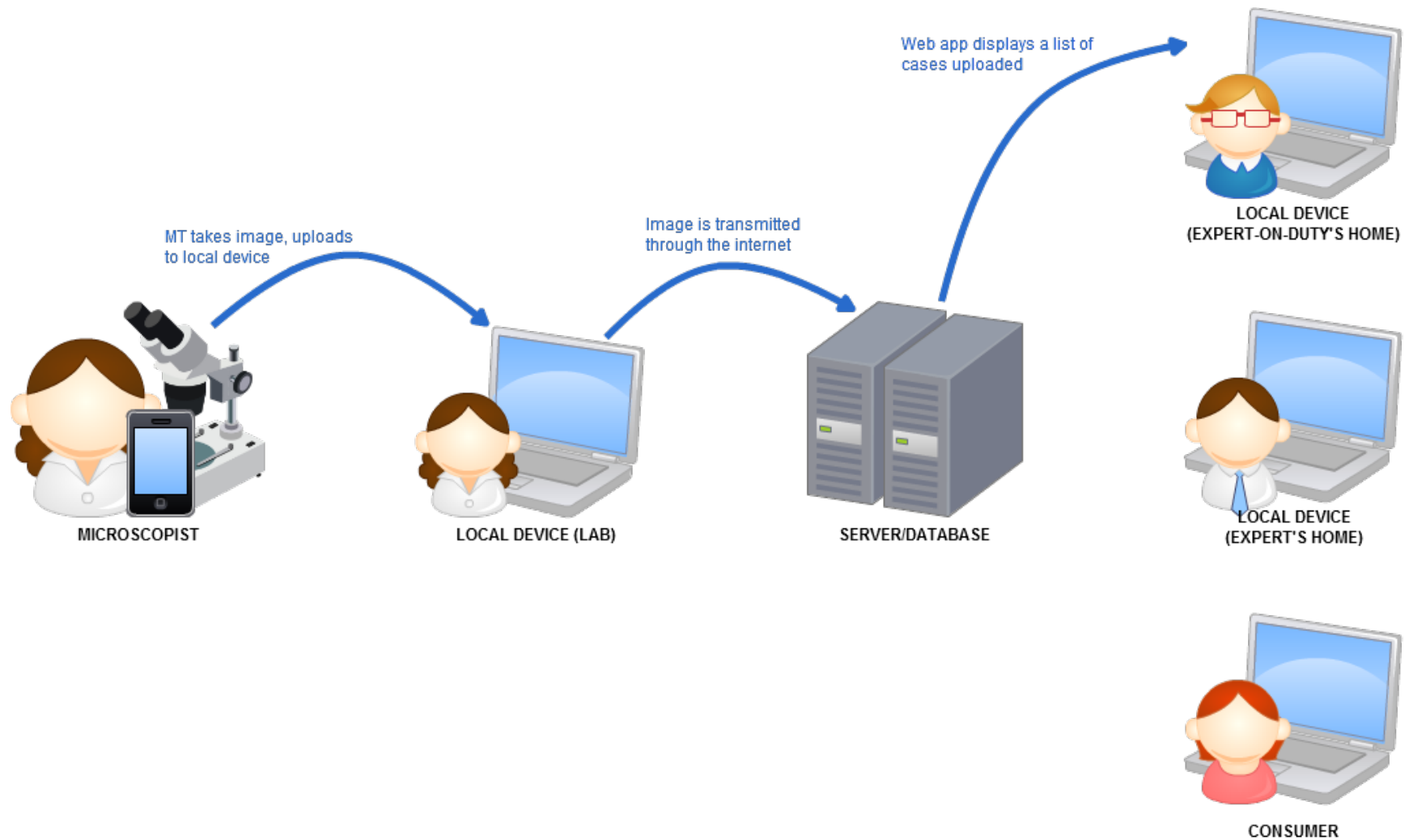
# Overview of MTP

- What is the MTP System?
  - The online application (dubbed **MTP System v1.0**) has the capability to facilitate the following:
    - Conversations between medical technologists and parasitologists (and sharing of information)
    - Image submissions to enhance information sharing
    - Monthly reporting of case aggregates
  - Can be defined as “cloud-based”

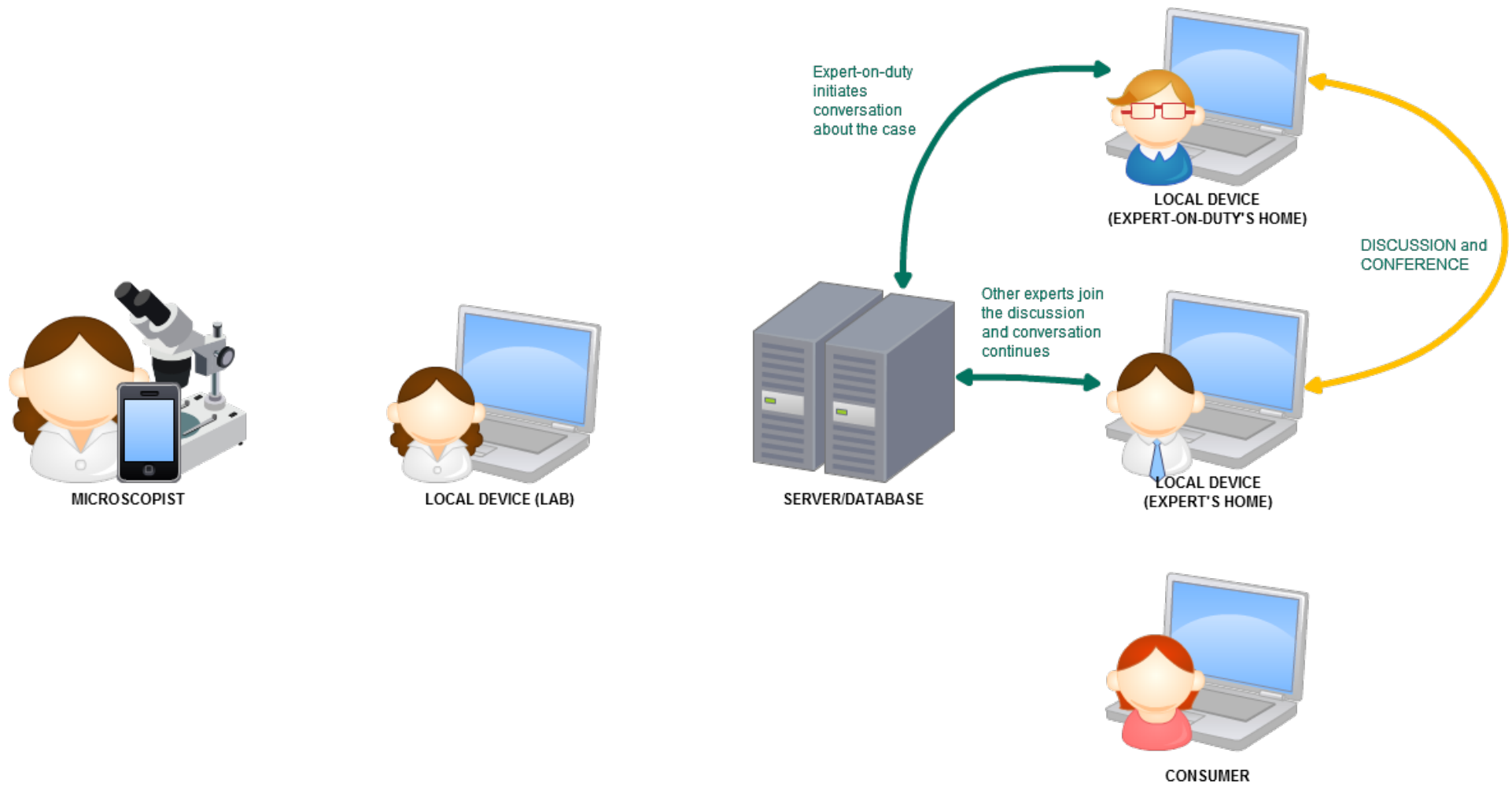
# Overview of MTP

- What do I need before I can use the MTP System?
  - Image capture device, media device capable of connecting to the internet, [connection between the two], internet browser
  - Capacity to use the system
  - An account registered in the system
  - Information for sharing (case/s, images, other info)

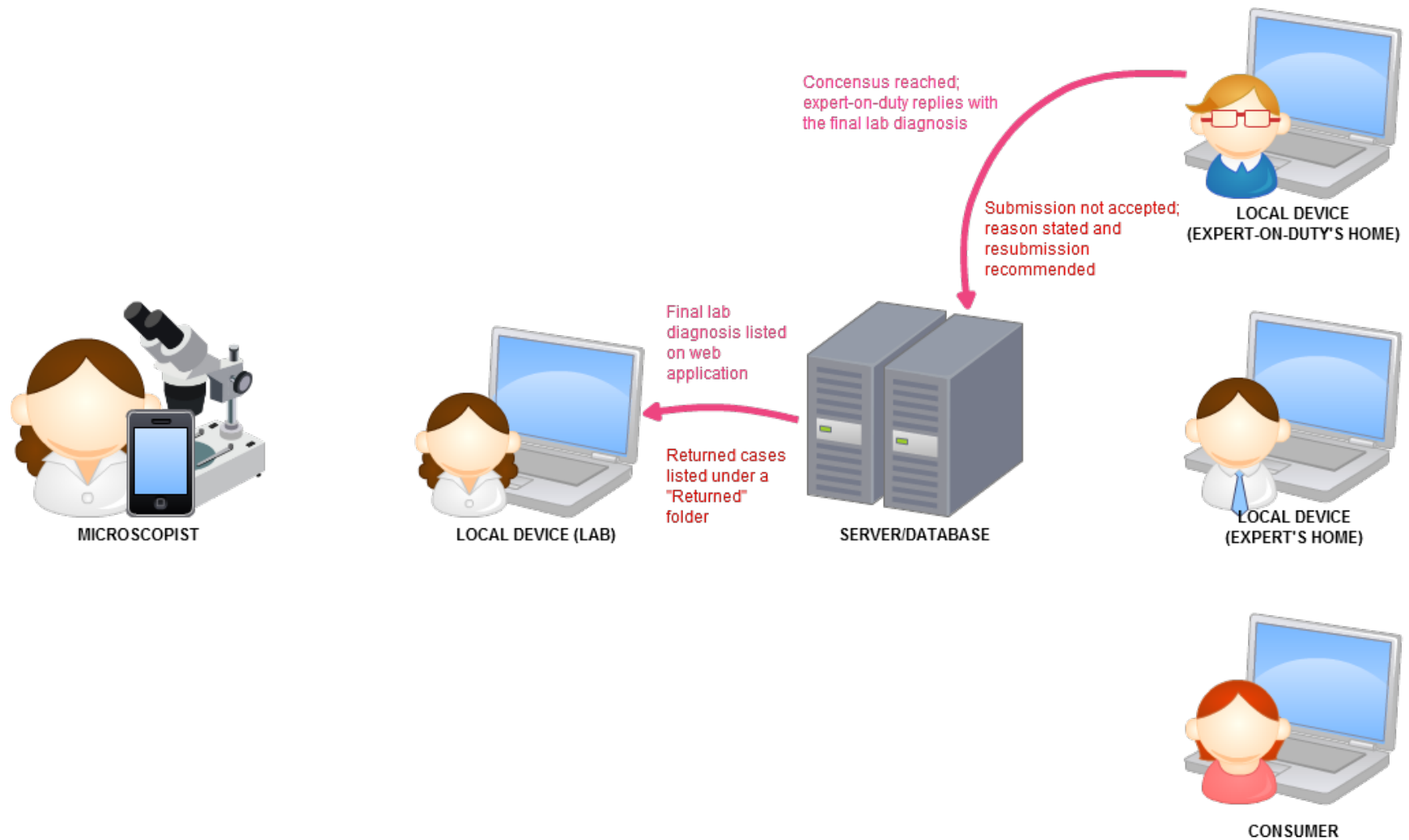
# SUBMISSION



# CONSENSUS



# RESPONSE



# Looking forward

- What can we look forward to for the MTPS?
  - Public information portal
  - Image-based reference library
  - Online training modules
  - MT-MT information sharing
  - Bigger network of professionals