# Global Corona Virus Mutation Control Program on Healthnet Id System with Hyperledger project
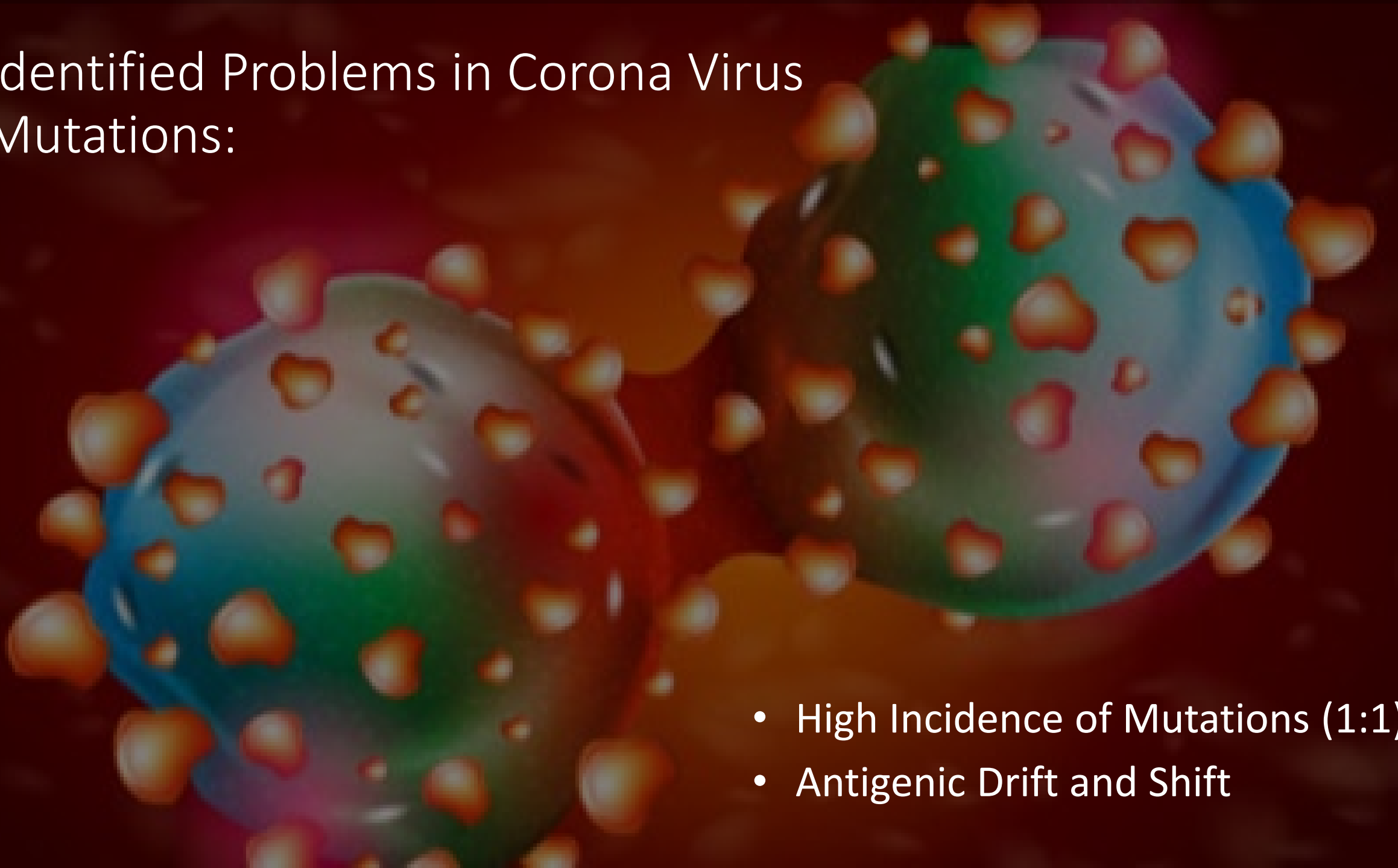
This program uses Hyperledger project for the Secured transaction of Specific data of Infected Patients from Distributed Healthcare Centers of the Globe, to the Global Authorities for Decision Supports on Action Plans for the implementation and responds feedback from these Healthcare Centers along with regulated outcome from Labs those use these data.

*Jayakar Joseph Johnson*

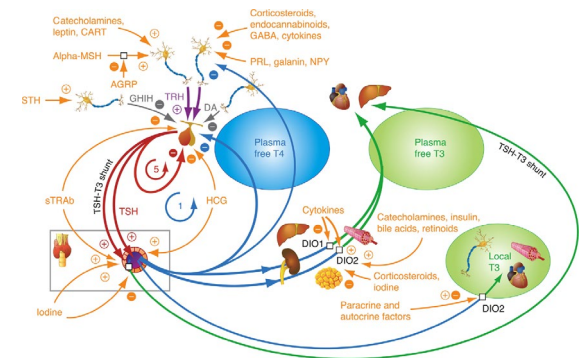# Identified Problems in Corona Virus Mutations:

- High Incidence of Mutations (1:1)
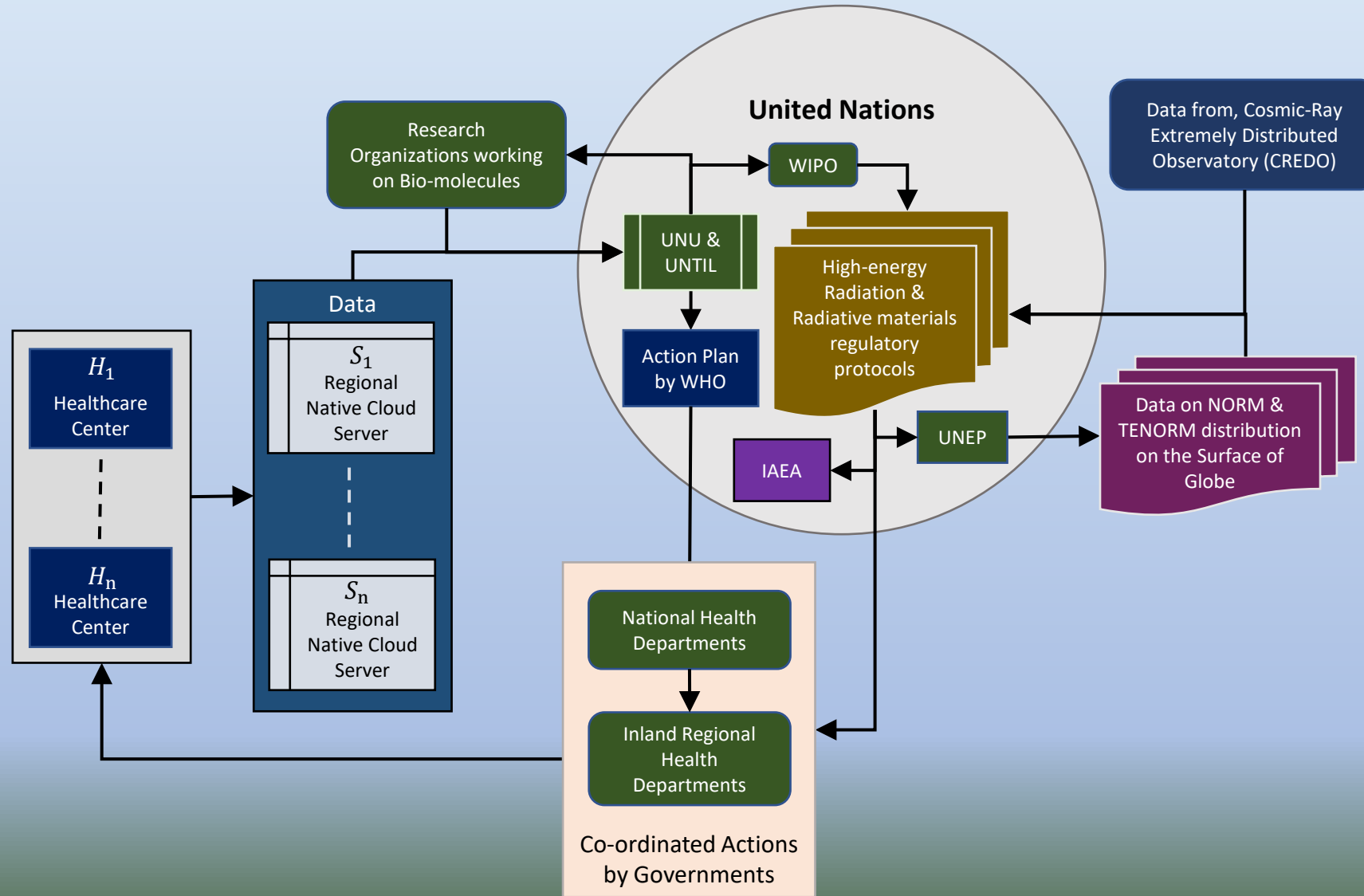- Antigenic Drift and Shift

**Solution:** To establish a Realtime Feedback control system for UNU, UNTIL and WHO, from the Data of Medical Records of Corona Virus Infected Patients at Healthcare Centers, through Hyperledger, to avail an Eradication Strategic support by CI/CD
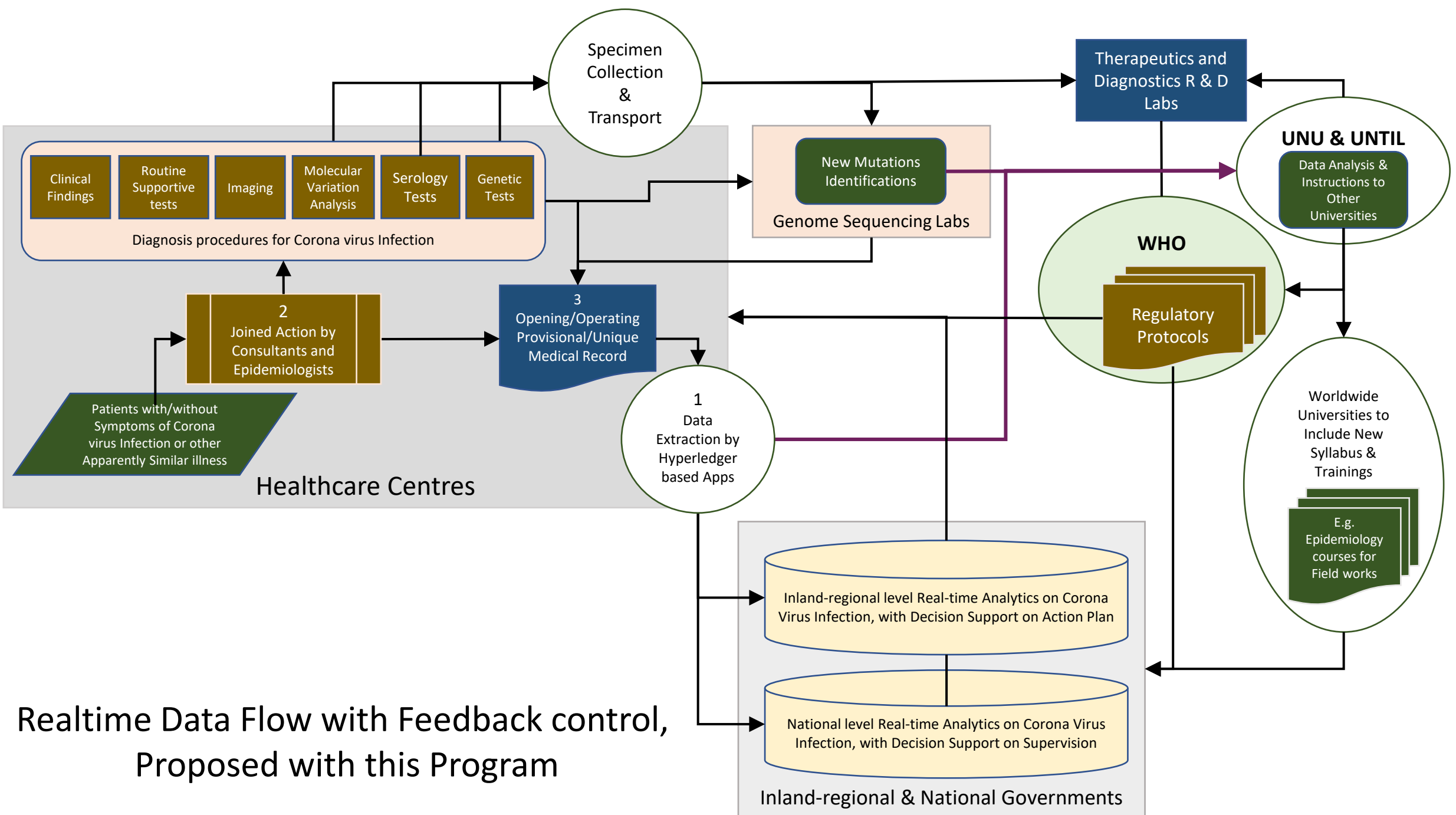
**Objectives and Expectations:**

- Sustainable and Agile control of Corona Virus mutations Globally by automated and secured data transactions in Hyperledger, specific to :

  ➢ Data on Demographic & Geographic distribution of Infected Cases and the change of nature of the disease, to assign priority of care focus and research objectives.

  ➢ Data from Rapid sequencing of COVID-19 virus genomes, cross verified by Bio-molecular Resonance Spectral Analysis and Clinical Data correlations, to help the development and adaptation of new treatment measures.



- To promote Regulated and Adaptive Social motivations to community for practiting self and social responsibilities on this objective and relavent academic training updates, through Universities regulated by UNU.

- To connect and to harmonize all distributed tasks of Global community on this objective.
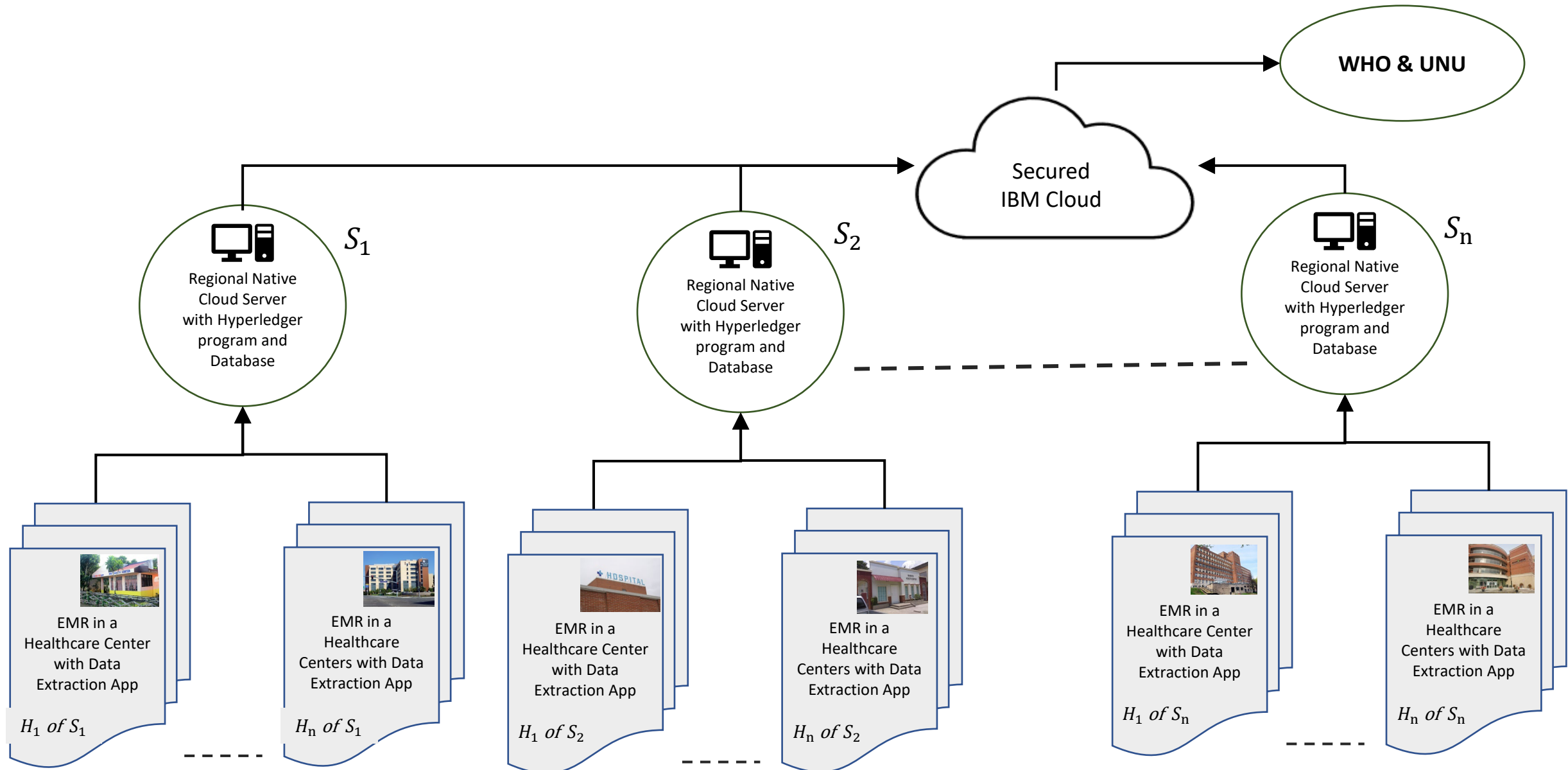
# Mutation Control Strategy

Specimen Collection & Transport

Therapeutics and Diagnostics R & D Labs

**UNU & UNTIL**
Data Analysis & Instructions to Other Universities

Clinical Findings | Routine Supportive tests | Imaging | Molecular Variation Analysis | Serology Tests | Genetic Tests

Diagnosis procedures for Corona virus Infection

New Mutations Identifications

Genome Sequencing Labs

**WHO**
Regulatory Protocols

2
Joined Action by Consultants and Epidemiologists

3
Opening/Operating Provisional/Unique Medical Record

Patients with/without Symptoms of Corona virus Infection or other Apparently Similar illness

Healthcare Centres

Worldwide Universities to Include New Syllabus & Trainings

E.g. Epidemiology courses for Field works

1
Data Extraction by Hyperledger based Apps

Inland-regional level Real-time Analytics on Corona Virus Infection, with Decision Support on Action Plan

National level Real-time Analytics on Corona Virus Infection, with Decision Support on Supervision

Realtime Data Flow with Feedback control, Proposed with this Program

Inland-regional & National Governments

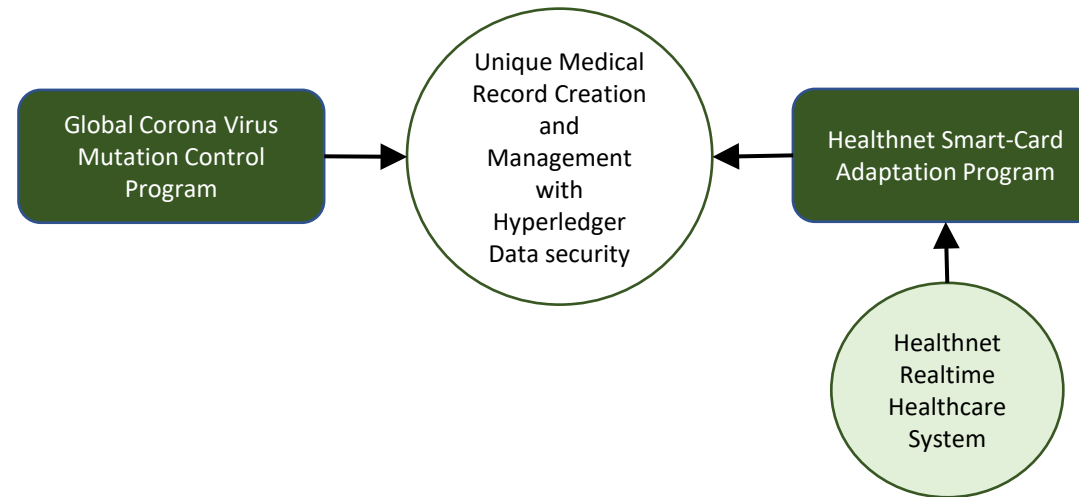# 1. Data Extraction by Hyperledger based Apps, from the EMR of Inland-regional Clusters of Healthcare Centers

# Urgent Action Plan to be proposed by the Hyperledger Community to UN for Consensus with various UN departments
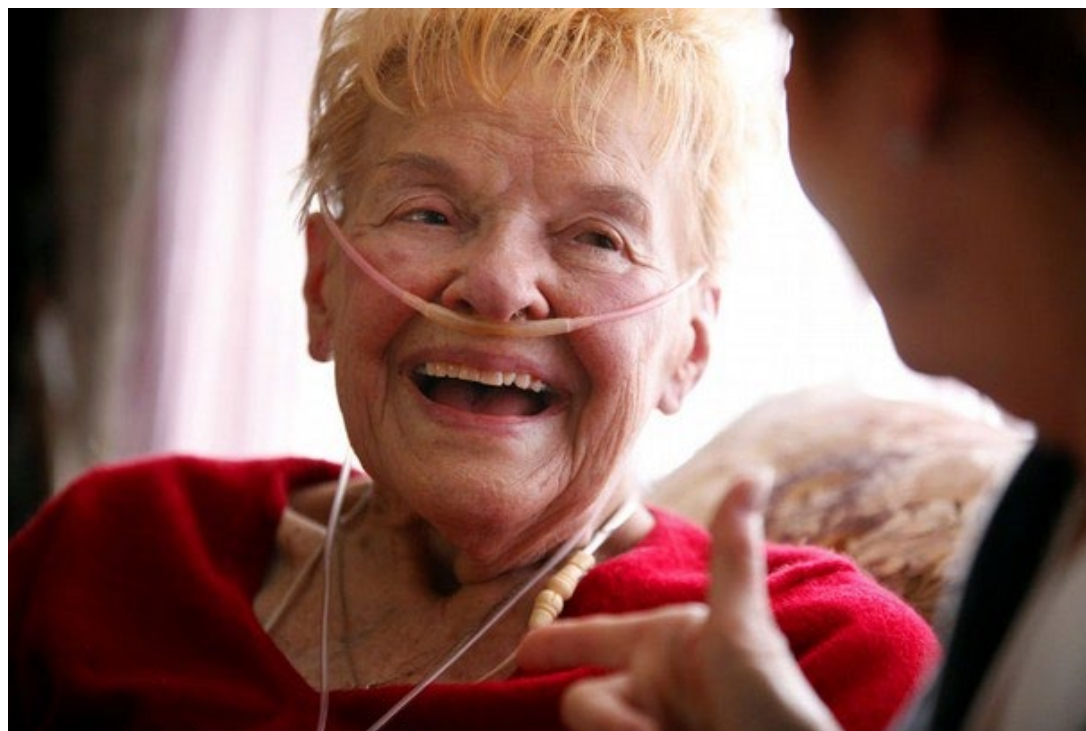
**Recommendations:**

- To propose a joint task to be organized by, United Nations University and United Nations Technology Innovation Labs to receive specific data from the Medical Records of Infected patients, for analysis and Guideline Support for Protocol assignments.

- To propose ITU, WHO and Linux Foundation Harvard's Lab Collaboration and IBM, for deploying Regional Native Cloud Servers at every village, town, City, District, County etc; at all Nations, with the Consensus and Support by the Governments, without restrictions by boarders on server domain.

- To propose UNU for insisting all Universities to increase the Health study graduations and with Special focus on Epidemiology graduations, to establish protected field works. This may include part-time courses and Inter-disciplinary trainings on Epidemiology to other professionals also.

# Other connected Programs with this Program

*Happy to say,*

Thank You