

National Center for Disease Control and Public Health / R. Lugar Center for Public Health Research

Brief Overview

April , 2019



NCDC

is a central public health and research institution under the authority of
Ministry of Internally Displaced Persons from the Occupied Territories, Labour, Health and
Social Affairs

Established in 1996 on the basis of CDC / Atlanta
Functional Structure

- 1937** Establishment of the Anti-Plague Station in Georgia
- 1992** Research Center of Especially Dangerous Pathogens (*EDPs*)
- 1996** National Center for Disease Control
- 2004-2007** As a result of large-scale reorganization: Integration of Medical Statistics Center and Public Health Department
- 2013** Integration of R. Lugar Center for Public Health Research



Vision: Our Knowledge – for Public Health

Mission: Protection and improvement of the health of Georgia's population through scientific evidence-based prevention of diseases, preparing for and timely responding to threats of public health



NCDC Strategic Priorities

1. **Decrease of Morbidity, Disability and Mortality caused by Communicable Diseases;**
2. **Decrease of Morbidity, Disability and Mortality caused by Non-Communicable Diseases;**
3. **Assessment and correction of environmental hazards and behavioral risk-factors for improvement of health in population;**
4. **Development of applied and fundamental bio-medical and bio-technological scientific research potential;**
5. **Strengthen preparedness capacities for rapid and effective response to the public health threats;**
6. **Develop electronic information systems;**
7. **Promote development of public health care system management;**



Ministry of Internally displaced persons from the occupied territories, Labour and Social Affairs of Georgia

Multisectoral Supervisory Board

- Ministry of Internally displaced persons from the occupied territories, Labour and Social Affairs of Georgia
- Ministry of Internal Affairs of Georgia
- Ministry of Education and Science of Georgia
- Ministry of Environment Protection and Agriculture of Georgia
- Ministry of Finance of Georgia
- Ministry of Defense of Georgia

DTRA, CDC, WRAIR and other international/partner organization may vote and will be counted for a quorum up to special appointment

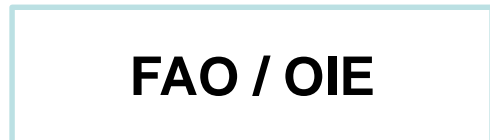
National Center for Disease Control and Public Health
(High level Biomedical research Center – center of Excellence)

Lab Part
NCDC Labs
Richard G. Lugar center
“One World – One Health”

Non-lab/
Office Part of NCDC

Immunization
Cold Chain Infrastructure





Universities, Research Centers, Public Health institutions:
 University of Florida, University of Maryland,
 Emory University, Johns Hopkins University, North Arizona University, Bundeswehr Institute of
 Microbiology, University of Oslo, The Italian National Institute of Health, German Environment Agency,
 Public Health England, The Arctic University of Norway etc.





Non-Laboratory Part of NCDC

State Public Health Programs:

- Immunization
- Blood Safety
- TB
- HIV/AIDS
- Screening
- Surveillance
- MCH
- Occupational diseases
- Health promotion
- HCV Screening

Epid-surveillance of Infectious Diseases:

- VPD
- Diarrheal
- Vector borne
- Respiratory
- Zoonotic
- Parasitic
- Hepatitis /STI/HIV/ TB

Surveillance of NCD:

- CVD
- Cancer
- Diabetes
- CRD
- Risk- factors
- Health promotion
- Tobacco Control
- Strengthening

GF Programs Recipient

Environmental Health

Public Health Preparedness and Response

Medical Statistics

Quality Control

International Collaboration

Training Center



R. Lugar Center for Public Health Research

Accreditation & Certification – NCDC / Lugar Center



3 Labs accredited by WHO

- Polio
- Influenza
- Measles/Rubella

5 Labs Connected to WHO Lab Network with EQA

- Rota
- Invasive Meningitis
- Malaria
- Salmonellosis
- AMR



Virology, Molecular Biology and Genomic Department

Molecular Epidemiology / Genomics

Influenza and Respiratory Viruses Lab

Polio and other Enteroviruses lab

Cell Culture Lab

Serology Lab – HCV Research Subunit

Bio-safety and EDP Department

Bio-Safety Division

National Repository

EDP Lab

Zoo-Entomology Lab

General Bacteriology Lab

Vivarium

Sample Receiving group

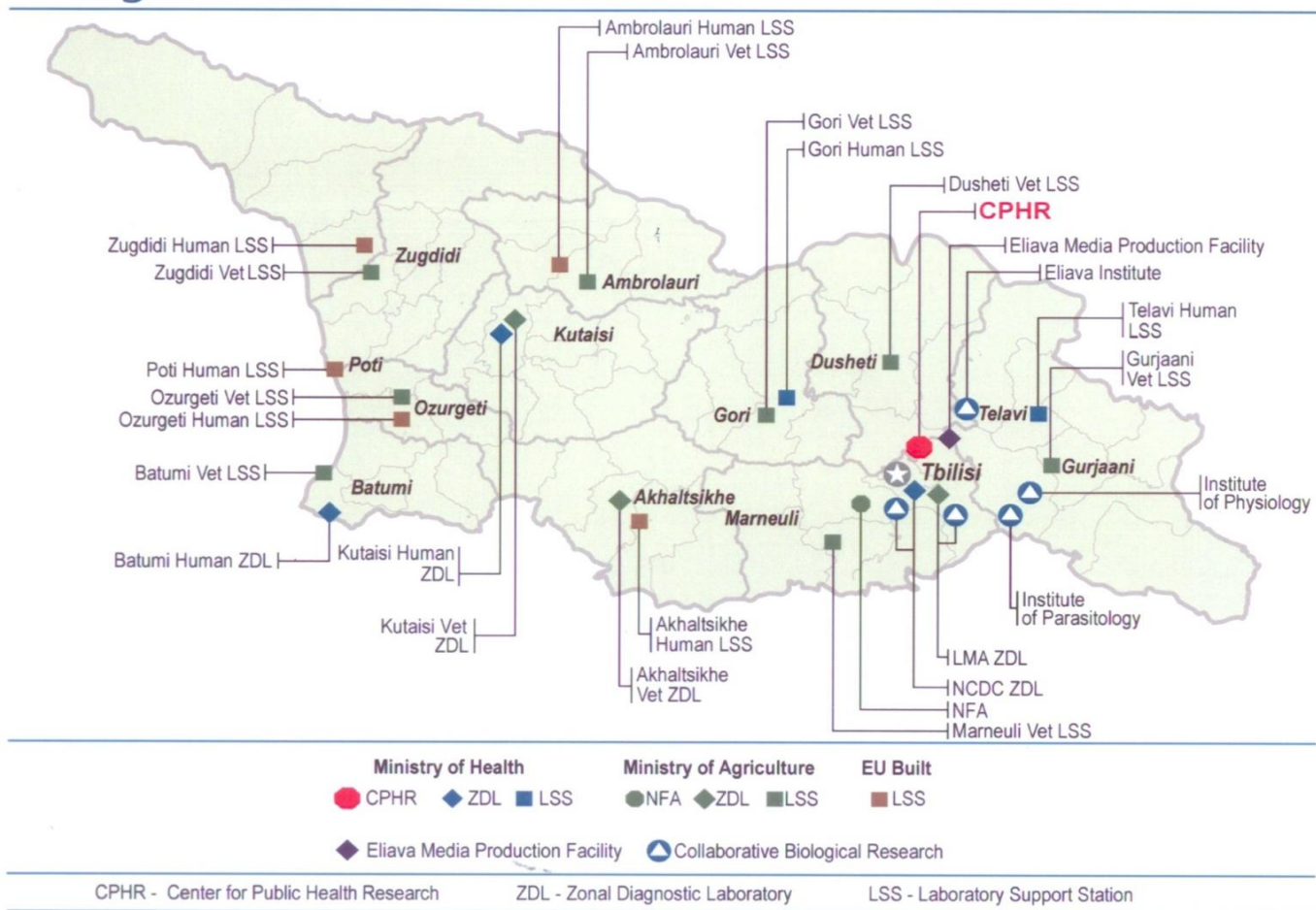


Mission and Main Functions of the Lugar Center

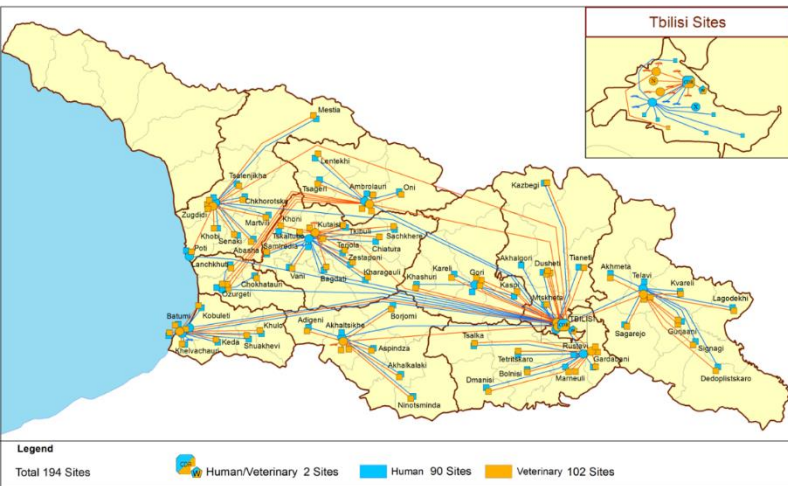
- **Country epidemiological security;**
- **Rapid detection of biological threats and response;**
- **Leading facility responsible for biological security;**
- **Participation in Global Health Security Agenda (GHSA);**
- **EDPs consolidated in a secure place;**
- **Zoentomological Surveillance;**



Joint Biological Development Program



Surveillance System Under “One Health” Concept



194 data entry sites:

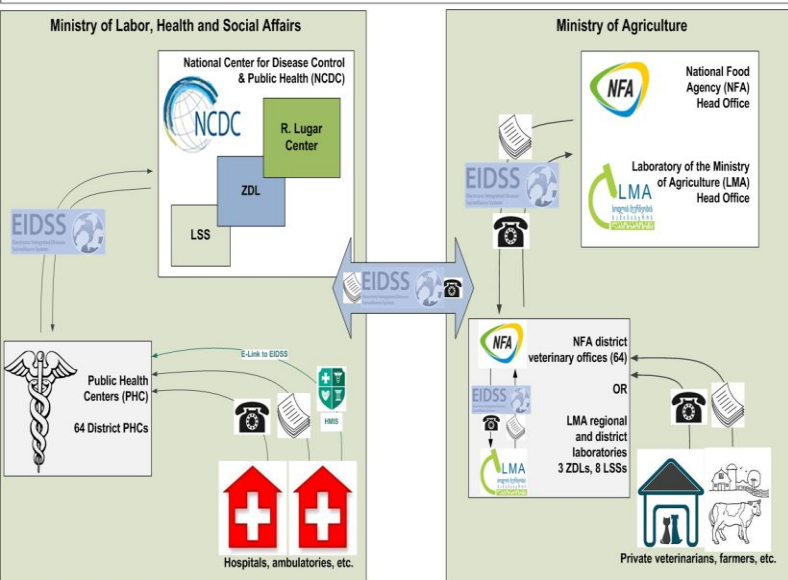
Human / Veterinary 2 sites

Human sites: 90

Veterinary sites: 102

Population based surveillance:

- ✓ 72 diseases/conditions are reported through surveillance system
- ✓ Two types of notification: urgent and aggregated
- ✓ Urgent – 52 diseases/conditions
- ✓ Reporting and epi investigation is performed by PHC workers



Syndromes under surveillance:

- ✓ AFP
- ✓ Diarrheal diseases
- ✓ Food poisoning

Sentinel surveillance:

- ILI /SARI
- Rotavirus
- Invasive meningitis



Public Health Emergency Preparedness and Response



- National Center for Disease Control and Public Health (NCDC) is designated as the **IHR Focal Point**;
- NFP is **accessible at all times** for communications with the WHO IHR Contact Points and with national surveillance and response system;
- **24/7 Duty Officer System** is at place;
- **Global Health Security Agenda** has become a new vision for Georgia since 2014;
- Georgia is contributing to **Zoonotic Disease** and **National Laboratory System** Action Packages and leading an **Action Package of Real-Time Surveillance of GHSA**;
- As Georgia is active in contribution to Regional Disease Surveillance, it is chairing **The Biosurveillance Network of the Silk Road (BNSR)**;
- **Joint External Evaluation (JEE)** is planned for June 2019;



Hepatitis C Elimination Program in Georgia

Goal

Elimination of HCV by ensuring prevention, diagnostics and treatment of the disease

Targets

90-95-95

By 2020

Initiated treatment **53 393**

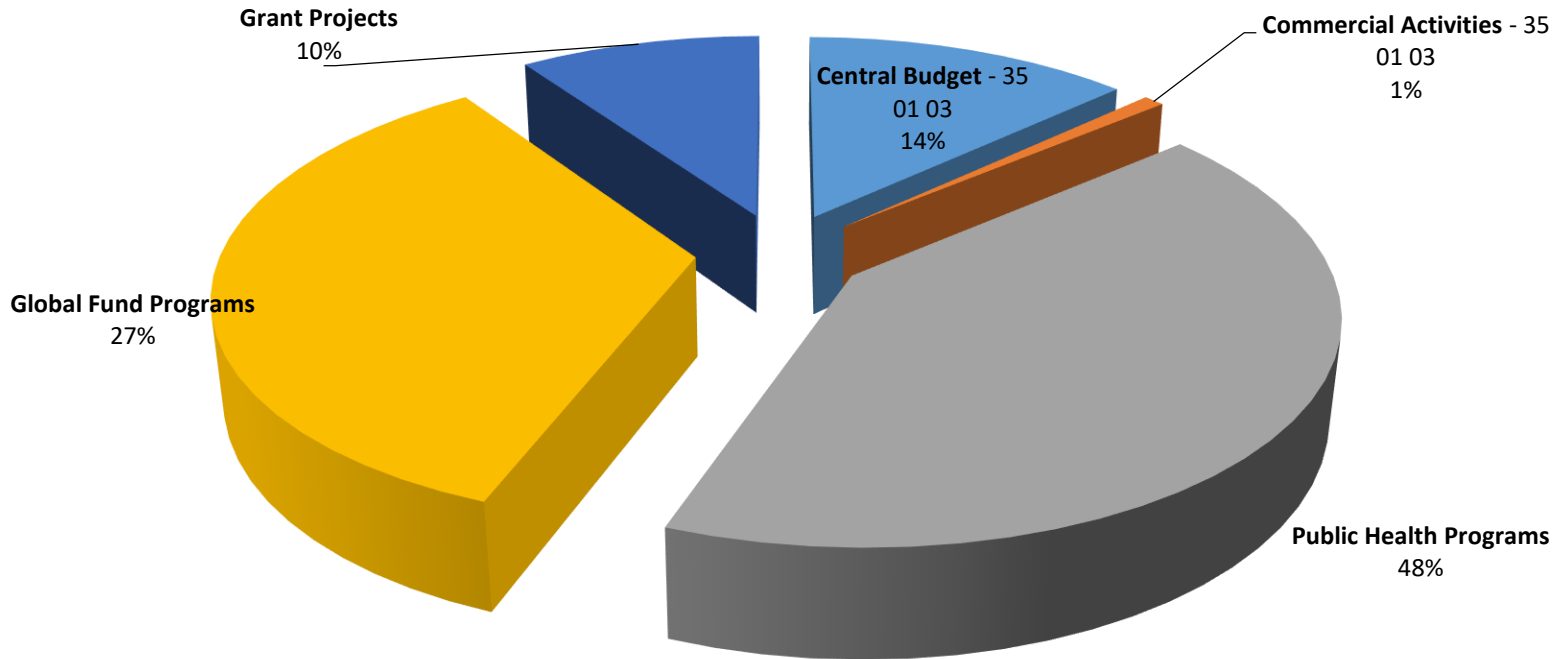
Completed treatment **49 853**

Overall cure rate - **98.3%**
(December 2018)

- ✓ **90%** of people living with HCV are diagnosed
- ✓ **95%** of those diagnosed are treated
- ✓ **95%** of those treated are cured



2018 Consolidated Budget Actual Performance





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NATIONAL CENTER FOR DISEASE CONTROL AND PUBLIC HEALTH

ჯანმრთელობის საკითხები ბავშვები პრევენცია უკან. ძველი და მსგ.



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www.ncdc.ge

Thank you for your attention!

