5th HEPATITIS C
TECHNICAL ADVISORY
GROUP
TAG Meeting

TAG 2018 RECOMMENDATIONS, STATUS OF HCV SURVEILLANCE: SUCCESSES, CHALLENGES, AND PLANS TO ADDRESS CHALLENGES

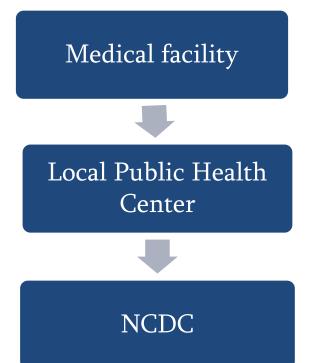
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National Center for Disease Control and Public Health

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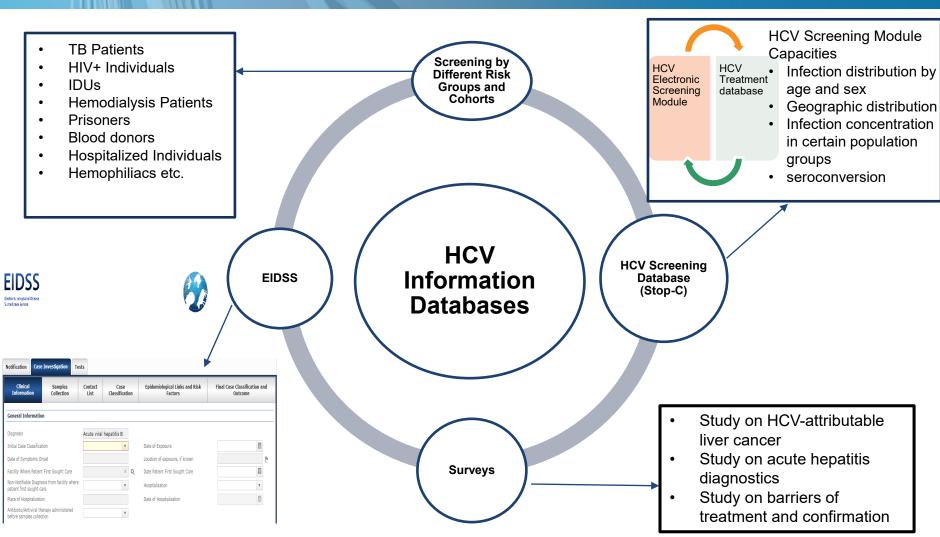
Existing Viral Hepatitis Surveillance System

Case reporting – regulated by the Ministerial decree on medical statistics

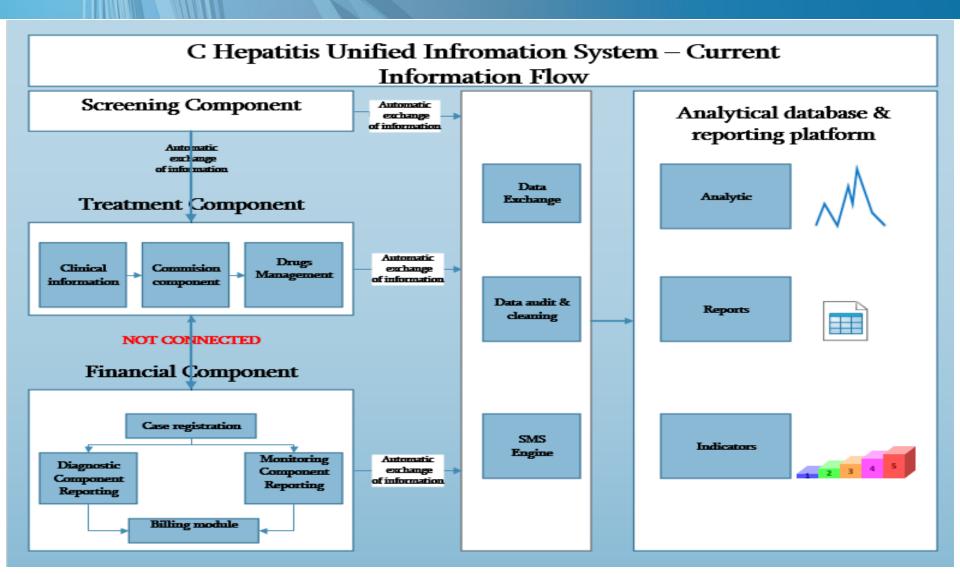


| | ICD-10 code | Notification | Epi investigation |
|-----------------------|-----------------|------------------------------------------------------------|-------------------------------|
| Other viral hepatitis | B17.0; B17.8 | Aggregated | No investigation needed |
| Acute hepatitis A | B15 | 1 case | Each case |
| Acute hepatitis B | B16 | 1 case | Each case |
| Chronic hepatitis B | B18.0; B18.1 | Aggregated | Outbreak – 2 or more cases |
| Hepatitis C | B17.1 B18.2 | Notification/investigation – under the Elimination Program | |
| Acute hepatitis E | B17. 2 | 1 case | Each case |

Existing HCV Information Database System



Hepatitis C Unified Information System



TAG 2018 Recommendations: Improve HCV Surveillance and Program Effectiveness

- Establish surveillance for acute/incident HCV infections:
 - Utilize existing screening systems to identify seroconversions and conduct an investigation
 - Establish sentinel sites
 - Enhancing surveillance at select settings serving at risk populations (e.g. PWID, Prisoners, other)
- Establish surveillance for reinfection among high risk populations and ensure linkage to care and treatment
- Monitor the prison population for HCV prevalence and incident HCV infections; Link prison screening and treatment data systems to the national screening and treatment databases
- Establish enhanced surveillance activities among screen-positive "young" persons (i.e. < 18 years)
- Consider situations from above list where use of molecular epidemiology may be appropriate

Improve HCV Surveillance: Establish surveillance for acute/incident HCV infections

- Retrospective Study on the Prevalence of Acute Viral Hepatitis in Georgia - 2018
 - Goal: To develop recommendations for strengthening the viral hepatitis surveillance system
 - Methods: Total of 222 cases with acute viral hepatitis and 40 cases of jaundice were studied using the medical charts from 24 medical facilities in 9 regions of Georgia
 - Key Findings:
 - Over half of suspected acute HCV cases weren't confirmed
 - Clinical diagnoses did not correspond to case definitions in the national surveillance

Improve HCV Surveillance: Establish Hepatitis B & C Sentinel Surveillance (cont.)

Ongoing activities:

- Government decree submitted for consideration, budget identified
- The criteria for inclusion in Sentinel Surveillance were elaborated:
 - Infectious disease hospital
 - HCV treatment provider
 - Lab capacity
- Four medical facilities were selected in Tbilisi, Imereti, Samegrelo and Adjara regions
- Actions to be implemented by sentinel sites:
 - HCV screening (already implemented)
 - HBV screening of hospitalized patients
 - Additional diagnostic tests for screening positive individuals and engagement in treatment
 - Special reporting forms (under development)

Improve HCV Surveillance: Establish surveillance for reinfection among high risk populations

- Characterization of HCV recently infected and re-infected cohort among people who inject drugs (PWIDs) at selected harm reduction sites in Georgia using GHOST technology
- Methods (proposed):
 - Investigators: Study will be conducted by the NCDC's surveillance team and the Lugar Laboratory center in close collaboration with the US CDC and Harm Reduction Centers
 - Piloted in 2 cities: Tbilisi and Zugdidi
 - Study participants (informed consent): PWID testing HCV+ antibody
 - Questionnaires: developed, administered by harm reduction centers' staff
 - Blood Samples: sent to Lugar center for HCV confirmation and sequencing, results entered into GHOST data system for analysis
- Launch: anticipated in 2020

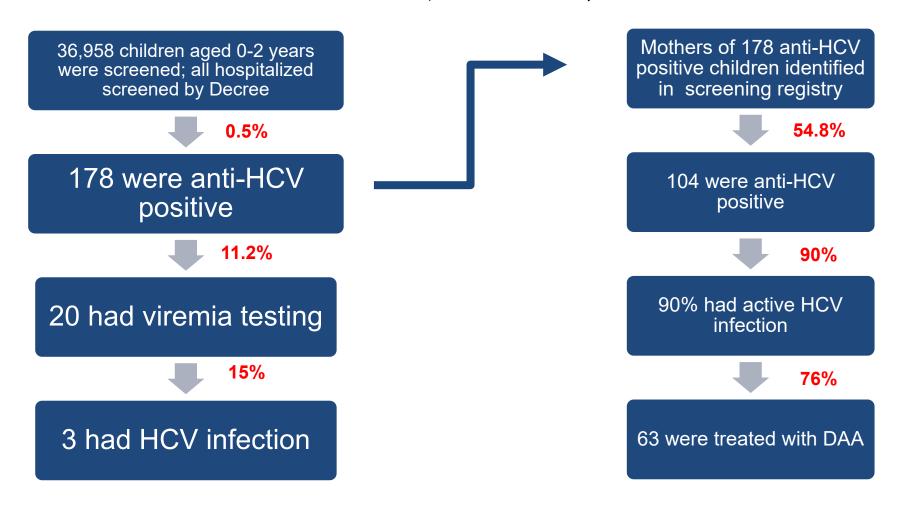
Improve HCV Surveillance

- Monitor the prison population for HCV prevalence and incident HCV infections
- Project: Eliminating HCV infection in prison settings in Georgia
 - Underway by Infectious Diseases, AIDS and Clinical Immunology Research Center
- Link prison screening and treatment data systems to the national screening and treatment databases
 - Screening and treatment data systems are linked to the national screening and treatment databases

Improve HCV Surveillance

Establish enhanced surveillance activities among screen positive "young" persons

November, 2016 - June, 2019



Acknowledgements



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Social Affairs





Centers for Disease Control and Prevention (CDC)

CDC South Caucasus Office



WHO, WHO Euro



LIFER



HCV Elimination Program provider facilities

National Center for Disease Control and Public Health

Thank You!

