

Unified State Laboratories: Core Functions

- 1.) Bureau of Chemistry and Environmental Services
 - a.) Serve as the laboratory for Utah's Dept. of Environmental Quality (water, soil, and air testing)
 - b.) Serve as Utah's chemical terrorism response laboratory (24 - 7 - 365)
 - c.) Provide definitive testing in support of responses to industrial accidents, environmental spills, and terrorist events
 - d.) Serve as Utah's only EPA-designated "Primacy Laboratory" ensuring the quality of drinking water in the State

- 2.) Bureau of Laboratory Improvement
 - a.) Inspect and certify all clinical laboratories in Utah (n = 1,389)
 - b.) Inspect and certify all environmental laboratories working in Utah (n = 124)
 - c.) Investigate and assist in root cause analysis of untoward clinical events that may have involved the associated clinical laboratory (e.g., hospital)
 - d.) Investigate complaints at all clinical laboratories in Utah and prepare response for Federal oversight authorities (CMS & OIG/US Marshal service)

- 3.) Bureau of Microbiology
 - a.) Perform public health related bacterial, viral, fungal, tuberculosis, and toxin testing (e.g., anthrax, HIV, West Nile virus)
 - b.) Provide definitive testing in support of disease outbreak investigations (e.g., swine influenza, Salmonella found in peanut butter)
 - c.) Serve as Utah's only Bio-Terrorism reference laboratory (24 – 7 – 365)
 - d.) Serve as Utah's primary laboratory for Newborn Screening (57,000 births/year)

- 4.) Bureau of Forensic Toxicology
 - a.) Serve as the sole laboratory for the State Medical Examiner to assist in determining cause and manner of death
 - b.) Serve as the principal laboratory for all Utah Law Enforcement agencies that investigate "driving under the influence" events (i.e., alcohol and/or drugs), automobile homicides, and other crimes

- 5.) Laboratory-wide core functions:
 - a.) **Educate** partners and general public on disease outbreaks, BT/CT events, responses to natural events, & conditions of public health concern
 - b.) **Train** partners on BT, CT, outbreak and spill-related testing (e.g., FBI, LHDs, hospitals, clinics, local health departments)
 - c.) **Coordinate** testing functions across all Utah laboratories to ensure preparedness for events of public health concern (e.g., swine flu)
 - d.) **Provide consultation** to public health partners on testing methods, analysis, sampling paradigms, chain of custody, crime site integrity, & event investigation

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