

Objectives

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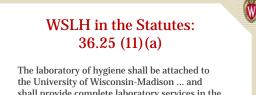
- The role of the State Lab of Hygiene's partnership with WI DPH and LHDs
- Functions of the State Lab of Hygiene
- Introduction to the divisions of State Lab of Hygiene

Beginnings...

1903 Laws of Wisconsin Chapter 344:

\$1,500 appropriated annually to UW for establishment and maintenance of a hygienic laboratory in connection with existing bacteriological laboratories.





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the University of Wisconsin-Madison ... and shall provide complete laboratory services in the areas of...

water quality, air quality
public health and contagious diseases for appropriate state agencies...

WSLH in the Statutes:

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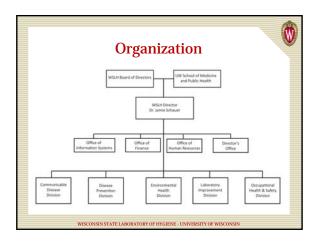
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Laboratory shall be operated to furnish a complete laboratory service to the **Department of Health Services** and the **Department of Natural Resources** ...

... and make available to the (UW) System, the DHS and the DNR such facilities for **teaching in the fields of public health and environmental protection** as may be derived from such a laboratory.

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The WSLH has more than 300 employees, including:

- Faculty and academic staff
- Laboratory scientists
- Occupational health specialistsIT, business and administrative staff
- Research assistants and postdoctoral fellows
- Research assistants and postdoctoral renows





465 Henry Mall -- UW campus Disease Prevention Division



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- Natl. Atmospheric Deposition Program (NADP) Program Office
- Administration

2601 Agriculture Drive – Madison's east side

- Environmental Health DivisionOccupational Health Division (WOHL)
- Laboratory Improvement Division (WSLH Proficiency Testing) Communicable Disease Division

2810 Walton Commons – Madison's east side

- IT
- Occupational Health Division (BLS/OSHA Statistics, WisCon) WISCONSIN STATE LABORATORY OF HYGIENE - UNIVERSITY OF WISCONSIN

Communicable Disease Division

WSLH Clinical Customer Service:

800-862-1013

608-262-6386

Communicable Disease Division

Provide a broad range of reference testing including:

Tuberculosis, rabies, pertussis, HIV, hepatitis, influenza, salmonella, measles, polio, sexually transmitted infections, legionella, Lyme disease, tularemia, diphtheria, anthrax, encephalitis...



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Communicable Disease Division

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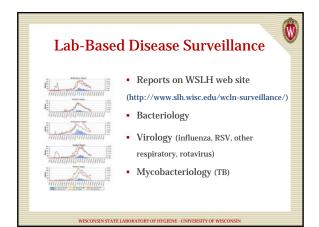
- CDC LRN Bioterrorism/Biological Emergency laboratory response and coordination
- Outbreak Response
- Lab Surveillance
- Research, Education and Training-UW courses, APHL fellowships, UW-LAX rotations, WI Clinical Laboratory Network (WCLN)

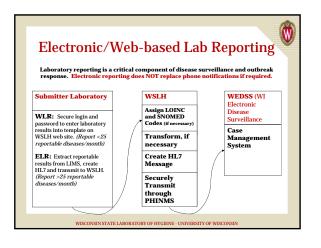


WCLN (WI Clinical Lab Network)

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- 130+ clinical laboratories across WI coordinated by WSLH
- WCLN is subset of national Laboratory Response Network for bioterrorism/ emerging infectious diseases/other PH threats or emergencies.
- WCLN members KEY to WSLH and DPH lab-based surveillance activities and outbreak response
- Regional Meetings (PH encouraged to attend)
- Training (teleconferences, workshops, exercises, etc.)
- Listserv and Lab Messages
- More info. on WCLN Web site -http://www.slh.wisc.edu/wcln-surveillance/







WSLH Clinical Customer Service:

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800-862-1013

608-262-6386

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Disease Prevention Division

Genetics

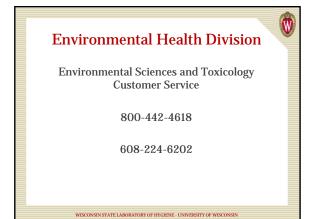


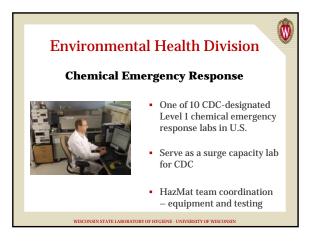
Cytogenetics and Molecular Genetics

- Chromosomal analysis for genetic defects
 - Oncology, Prenatal, Postnatal
 - Teaching medical genetics
 Research cause cure for generation
 - Research cause cure for genetic abnormalities

Biochemical Genetics

Diagnosis and monitoring of inborn errors of metabolism. Works closely with WI Newborn Screening Program.





Environmental Health Division

Drinking Water Quality



- Water microbiology for state and federal agencies
- Public water supplies Safe Drinking Water Act (SDWA) requirements

- Private well owners microbiology, fluoride, nitrate, lead, arsenic, radon
- Microbial Source Tracking to determine source of contamination

Environmental Health Division Pollution & Ecosystem Quality • Solid and hazardous waste - compliance and enforcement samples • Environmental Toxicology - testing water for toxic effluents using living

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- organisms • Trace Elements Clean Lab – quantifying to the parts per billion and parts per trillion levels
- Fish advisories -- Mercury
- **Environmental Health Division Outdoor Air Quality Outoor Air Attoo Air Attoo Air Attoo

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Environmental Health Division

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Clinical Metals Toxicology

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Childhood lead testing

 National blood lead proficiency testing program

Reference testing for other metals in human samples

Environmental Health Division Forensic Toxicology Alcohol and drug analysis for law enforcement agencies in support of Wisconsin impaired driving laws Court testimony on laboratory findings Coroners - motor vehicle and other death investigations

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Occupational Health Division

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Wisconsin Occupational Health Laboratory (WOHL) scientists offer comprehensive industrial hygiene analytical services to 47 state OSHA consultation programs, as well as businesses and industrial hygiene consultants nationwide.

WisCon On-Site Safety and Health Consultation Program industrial hygiene and safety consultants, engineers, and nurses provide free safety and health consultation and training services to small businesses throughout Wisconsin to help these employers provide safe and healthy workplaces for their employees and meet federal OSHA obligations and responsibilities.

Bureau of Labor Statistics/OSHA Statistics Unit analysts collect, analyze and publish workplace injury, illness and fatality data from Wisconsin employers to identify workplace hazards and problem areas, educate workers and employers about workplace safety issues, and evaluate the effectiveness of interventions.





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You can contact the Wisconsin State Laboratory of Hygiene for emergencies 24/7 at

608-263-3280

(our emergency answering service).

WISCONSIN STATE LABORATORY OF HYGIENE - UNIVERSITY OF WISCONSIN

State Lab of Hygiene Key Contacts

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