

**Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019  
Madison, Wisconsin**

**DATE:** December 11, 2019

**TO:** Dean Robert N. Golden, MD, UW-SMPH – Dr. Richard Moss, Designated Representative  
Andrea Palm, Secretary, DHS – Charles Warzecha, Deputy Designated Representative  
Jeanne Ayers, Administrator, DPH – Charles Warzecha, Deputy Designated Representative  
Preston Cole, Secretary, DNR – Greg Pils, Designated Representative  
Brad Pfaff Secretary, DATCP –Gilbert (Gil) Kelley, Designated Representative  
Dr. Robert Corliss, Chair  
Charles Warzecha, Vice-Chair  
Barry Irmien, Member  
Jeffery Kindrai, Member  
James Morrison, Member  
Dr. Richard Moss, Member

Zana Sijan, DNR Alternate  
Steve Geis, DNR Alternate  
Charles Warzecha, DHS Alternate

**FROM:** Dr. James Schauer, Secretary  
Director, Wisconsin State Laboratory of Hygiene

**RE:** Wisconsin State Laboratory of Hygiene Board of Directors Meeting  
Wisconsin State Laboratory of Hygiene  
2601 Agriculture Drive  
Madison, WI 53718

December 17, 2019  
1:00 p.m. — 4:00 p.m.

**C:** Allen Bateman  
Allen Benson  
Cynda DeMontigny  
Megan Flowers  
Christine Gunter  
Kristine Hansbery  
Kevin Karbowski  
Jan Klawitter  
Dr. Daniel Kurtycz  
Dr. Peter Shult  
Noel Stanton  
James Sterk  
Steve Strebel  
David Webb

**WISCONSIN STATE LABORATORY OF HYGIENE  
BOARD OF DIRECTORS**

**MEETING NOTICE**

**Tuesday, December 17, 2019**

**1:00p.m. – 4:00p.m.**

**MEETING LOCATION**

**Wisconsin State Laboratory of Hygiene  
2601 Agriculture Drive  
Madison, WI 53718**

**Notice is hereby given** that the Wisconsin State Laboratory of Hygiene Board of Directors will convene at 1:00 p.m. on Tuesday, December 17, 2019 at the Wisconsin State Laboratory of Hygiene in Madison, Wisconsin.

**Notice is further given** that matters concerning Wisconsin State Laboratory of Hygiene issues, program responsibilities or operations specified in the Wisconsin Statutes, which arise after publication of this notice may be added to the agenda and publicly noticed no less than two hours before the scheduled board meeting if the board Chair determines that the matter is urgent.

**Notice is further given** that this meeting may be conducted partly or entirely by teleconference or videoconference.

**Notice is further given** that questions related to this notice, requests for special accommodations, or requests for a public appearance are addressed by the Wisconsin State Laboratory of Hygiene Administrative Offices by phone at (608) 890-0288 or in writing to the Wisconsin State Laboratory of Hygiene, 465 Henry Mall, Madison, Wisconsin, 53706.

**ORDER OF BUSINESS:** See agenda.

Respectfully submitted,



James J. Schauer, PhD, P.E., M.B.A.  
Secretary, Wisconsin State Laboratory of Hygiene Board of Directors  
Director, Wisconsin State Laboratory of Hygiene  
December 11, 2019

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019  
1:00 P.M. – 4:00 P.M.

Wisconsin State Laboratory of Hygiene  
2601 Agriculture Drive  
Madison, WI 53718

## AGENDA

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Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**PROCEDURAL ITEMS**

**Item 1. ROLL CALL**

**Description of Item:**

Roll call of attendance at Board Meeting led by Board Chair.

**Suggested Board Action:**

Submit roll call.

**Staff Recommendation and Comments:**

Roll call will be recorded by Board Secretary.

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**PROCEDURAL ITEMS**

**Item 2. APPROVAL OF MINUTES**

**Description of Item:**

The draft minutes of the September 17th, 2019 board meeting are submitted for approval.

**Suggested Board Action:**

Motion: Approve the draft minutes of the September 17th, 2019 board meeting as submitted.

**Staff Recommendation and Comments:**

Approve draft minutes.

Once approved, minutes become part of the public record and are posted on the WSLH website: <http://www.slh.wisc.edu/about/board/board-meetings-agendas-and-minutes/>.

**Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019**

**APPROVED MINUTES  
September 17, 2019  
1:00 P.M. – 4:00 P.M.  
UW School of Medicine & Public Health  
Health Sciences Learning Center  
750 Highland Ave  
Madison, WI 53705**

**MEMBERS PRESENT:** Chair Dr. Richard Moss, Vice-Chair Dr. Robert Corliss, Secretary Dr. Jamie Schauer, Jeffery Kindrai, Charles Warzecha, James Morrison, Greg Pils, Gil Kelley

**WSLH STAFF PRESENT:** Dr. Peter Shult, Dr. Dan Kurtycz, Allen Benson, Christine Gunter, Jim Sterk, Kevin Karbowski, Cynda DeMontigny, Jan Klawitter, Kristine Hansbery, David Webb, Steve Strebel, and Nathaniel Javid

**DNR STAFF PRESENT:** Zana Sijan, Steve Geis, Greg Pils

**GUESTS PRESENT:** Dr. Ian Pray, Dr. Kevin Laughlin

*Chair Dr. Robert Corliss called the meeting to order at 1:00 P.M.*

**Item 1. ROLL CALL**

**Chair Dr. Robert Corliss** initiated the roll call of the Board. All Board Member seats or their designated representatives were present except Barry Irmen.

**Item 2. APPROVAL OF MINUTES**

Approve the minutes of the June 18, 2019 Board Meeting as submitted. **Dr. Richard Moss** made a motion to approve the minutes. **Jeffery Kindrai** seconded the motion. The voice vote approving the corrected minutes was unanimous.

**Item 3. REORGANIZATION OF AGENDA**

There was no reorganization of the agenda.

**Item 4. PUBLIC APPEARANCES**

There were no public appearances.

## **Item 5. BOARD MEMBERS' MATTERS**

Jeffery Kindrai addressed two board member matters. The first was with regards to DHS and the XRS used for lead poisoning cases. Ms. Klawitter replied that the equipment is at the WSLH, but it is used in coordination with DHS. Mr. Kindrai inquired about borrowing the equipment. Ms. Klawitter advised Mr. Kindrai to contact DHS. Mr. Kindrai also noted that the Grant County Social Services Director has concerns about cases involving the use of methamphetamines in homes and possible exposure to meth residue while removing and transporting children. Charles Warzecha noted that DHS has some guidance and we should connect with them. Steve Strebel, WSLH, mentioned that there are wipe-test kits available for surfaces, but general testing is limited.

## **Item 6. SCIENTIFIC UPDATE: SEVERE PULMONARY DISEASE ASSOCIATED WITH VAPING**

### **■ Dr. Ian Pray, Wisconsin Department of Health Services**

Dr. Ian Pray, WI DHS epidemiologist, introduced himself and his colleague, Dr. Kevin Laughlin to the Board. We received word of these severe pulmonary disease cases earlier this summer. The findings were unique and the WI DHS was notified. The cases were varied, but they were all linked to vaping. An alert went out to providers around the state to monitor for these cases. Once there were notifications from other states, and support from the CDC began, a nationwide response was triggered. We have 40 confirmed cases in Wisconsin, and 75 possible cases. Nationwide, we are up to 300 cases. There have been six deaths linked to this condition. Extensive review has been performed from non-specific imaging results, along with thorough examination of medical records and questionnaires to link this to vaping. A high percentage of users have also reported using THC products in e-cigarettes. There has been a significant laboratory component to this investigation. We are requesting product samples to be sent to the WSLH and then to the FDA for testing. Dr. Pray discussed some of the variations in the product and how that has complicated the laboratory testing process. Ultimately, we need to figure out how to get a hold of these illegal substances, which by nature of being illegal, are difficult to regulate and control. Dr. Schauer noted that Noel Stanton from the WSLH is our lead in chemical emergency response. We have begun some analysis at the WSLH, although sending samples to the FDA has been prudent considering their knowledge base. Vitamin E acetate was discussed as a thickening agent used in these products that has been found to be key in causing this disease. Dr. Pray fielded questions from the Board about THC use and sources. Vitamin E acetate is something that is not used in reputable products, and as such it has been challenging to analyze. The Board discussed the sending of samples to the WSLH and the proper procedures for coordinating with the Wisconsin State Laboratory of Hygiene's Chemical Emergency Response Team and local law enforcement. Mr. Warzecha, DHS, noted that the lack of regulation has been a large problem and we are learning how to best deal with these issues.

## **Item 7. FINANCIAL REPORT**

### **■ Kevin Karbowski, Chief Financial Officer, Wisconsin State Laboratory of Hygiene**

Mr. Karbowski provided the budget report for the period of July 1, 2018 through June 30, 2019. We have experienced some increases in support and revenue. Increases of note are due to some increase in activities with SMPH, increased activities in cytogenetics, and a change in

recording methods of budget. Some of the areas in support and revenue that are under budget were due to grants turning out to be less than expected. Mr. Karbowski noted that our year-to-date total support and revenue is \$51, 069, 994, which is \$1, 512, 524 greater than budgeted. Total expenses are \$50, 148, 250, which is \$942, 300 greater than budgeted. Overall, our net operating income was \$921, 744, which is \$570, 224 greater than budgeted.

For working capital, we lost money due to our infrastructure investment exceeding the amount we earned. We had projected this, and over time, we expect these investments to allow for more revenue. Overall, our available working capital is \$9, 375, 314, which is \$294, 366 less than anticipated. Much of our reserves are intended for planned building renovation.

## **Item 8. HUMAN RESOURCES REPORT**

### **■ Cynda DeMontigny, Human Resources Director, Wisconsin State Laboratory of Hygiene**

Cynda DeMontigny, WSLH HR Director, provided the Human Resources update to the Board. For the period of June 8 to August 30, 2019 we had twenty-three recruitments including seven in DPD, eight in EHD, one in LID, three in CDD, two in Administration, and two in the OHD. As far as staff turnaround for the same time period, we had one retirement in DPD and one in EHD, one resignation in EHD, one in DPD, one in CDD and Admin, and none in LID or OHD. For hires, we had four in DPD in OHD, none in Admin, two in CDD, five in EHD, and none in LID.

## **Item 9. CONTRACTS REPORT**

### **■ Christine Gunter, Financial Program Supervisor, Wisconsin State Laboratory of Hygiene**

For September 2019, we have received \$2, 922, 342 in contracts broken down by division as follows: \$32, 000 in CDD, \$252, 492 in DPD, \$80, 000 in EHD, \$1,817,850 for NADP, and \$750,000 for WOHL. Broken down by contractor, these figures are \$274, 492 from WHDS, \$80,000 from WDNR, \$1, 217, 483.50 from federal sources, with \$1, 350, 366.50 from various sources.

## **Item 10. DIRECTOR'S REPORT**

### **■ Dr. James Schauer, Director, Wisconsin State Laboratory of Hygiene**

Dr. Schauer mentioned succession planning to the Board. We are working to ensure we have appropriate staffing for Associate Director and Communicable Disease Division Director Dr. Peter Shult and CAP Director and Disease Prevention Division Director Dr. Daniel Kurtycz who will likely be retiring within the next two years. Due to the high level nature of the positions, particularly with regards to CAP and biosafety, we need to begin a search and developing PVLs as needed, to guarantee we have enough overlap and coverage. The new position will be the Associate Director for Clinical Testing. We also plan to be getting a new position in opioid response that has been budgeted.



Dr. Schauer had Dave Webb provide the water boil notice. During the period of June 10 through September 1, 2019, we had four boil notices for Door County, two boil notices for Jefferson County, and one boil notice in Pierce County.

Dr. Schauer asked Public Relations Director, Ms. Jan Klawitter, to present the Public or Environmental Health Incidents of Educational Interest to the Board. Ms. Klawitter reviewed some of the key topics such as the public health workgroups involved in the planning of the Democratic National Convention in Milwaukee. Several WSLH personnel attended and presented at the APHL annual meeting. Forensic Toxicology Director Amy Miles met with law enforcement and legislators regarding the language in SB-188, providing information on THC testing in forensic labs versus workplace drug testing. The UW Cytotechnology Certificate Program Coordinator Dr. Kaitlin Sundling, and WSLH Cytology Supervisor Josh Faulkes worked with Jim Hermanson in WSLH Office of Information Systems to create a recruitment video for the program. Also, for the second year in a row, kids and their grandparents were able to "major" in genetics and newborn screening at the WSLH as part of UW-Madison's Grandparents University. The WSLH also hosted visiting faculty from Jimma University in Ethiopia, in which the visitor's primary goal was to receive training in particulate matter collection and Dithiothreitol analysis of PM samples. Ms. Klawitter also mentioned that Dr. Rima Khabbaz, director of the CDC's National Center for Emerging Zoonotic and Infectious Diseases, along with four CDC staffers, visited the WSLH Communicable Disease Division and the WI Division of Public Health for our 5-year-annual Epidemiology and Laboratory Capacity grant site visit. Ms. Klawitter had the Board refer to the Board Packet for more incident items and details.

Dr. Schauer next asked WSLH Environmental Health Division Director, David Webb, to update the Board on a request from WI DHS in regards to providing information on a Speaker's Task Force on Water Quality. We have been working with DHS and DNR on supporting some of the Task Force's recommendations that involve lab testing. The main areas are PFAS and other emerging contaminants, along with serving state testing needs. We are planning for what we would need to increase capacity. Chuck Warzecha noted the positive impact of attention being drawn to water quality in the state and is excited for good things to come of this task force.

**Chair Dr. Robert Corliss** made a motion to adjourn the meeting at 2:00 P.M. **James Morrison** accepted the motion and **Dr. Richard Moss** seconded the motion. The motion passed unanimously and the meeting was adjourned.

Dr. Schauer transitioned the meeting to Dr. Richard Moss to present on Research in the UW School of Medicine and Public Health. Dr. Moss gave a brief history of the UW SMPH buildings and the background of funding the facilities. The UW SMPH is a statewide enterprise that exists on a continuum of basic, clinical, translational, and public health research. We are committed to health, healthcare, and health equity. This is particularly significant for how we collaborate with the WSLH. The UW SMPH has a broad funding base including the NIH, DOD, DOE, PCORI, CMS, CDC, and various foundations and philanthropic efforts. The growth in SMPH funding from the NIH has increased from \$123M to \$210M from 2008 to 2018.

Dr. Moss reviewed some new initiatives that cut across departments. Examples of these are in precision medicine, cell-based therapies, data science, social determinants of health, and artificial intelligence/machine learning applications in research and medicine. Dr. Moss next reviewed the building resources including the Academic Medical Center which is known for its proximity of research to clinical care, housing robust research cores, and the adjacencies of multiple research and clinical disciplines. Another facility, which the Board toured at the conclusion of the presentation, is the WIMR West Wedge and Center for Human Genomics and Precision Medicine.

Dr. Moss presented on collaborative research such as multi-investigator grants, collaborative R01's, P-series and U-series grants, which are grants that provide core services to faculty within a particular area. We also have thematic research centers such as the UW Carbone Cancer Center, COAST and ICAC for asthma, and ADRC and WAI for the Initiative to End Alzheimer's. Dr. Moss gave an example of research collaboration between the UW-SMPH and UW-CALS in antibiotic discovery.

Dr. Moss next discussed support for researchers including some internal grants programs that are available to faculty. Dr. Moss explained the process of preparing a grant application, including medRAMP, which puts together multi-investigator grants.

At this time, Dr. Moss had the Board commence their tour of the facility.

Respectfully submitted by:

A handwritten signature in black ink, appearing to read "James J. Schauer". The signature is written in a cursive style with some loops and flourishes.

James J. Schauer, PhD, P.E., M.B.A.  
Secretary, Wisconsin State Laboratory of Hygiene Board of Directors

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**PROCEDURAL ITEMS**

**Item 3. REORGANIZATION OF AGENDA**

**Description of the Item:**

Board members may suggest changes in the order in which agenda items are discussed.

**Suggested Board Action:**

None.

**Staff Recommendation and Comments:**

Reorganize the agenda if requested by the Board.

**Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019**

**PROCEDURAL ITEMS**

**Item 4. PUBLIC APPEARANCES**

**Description of the Item:**

Under the board's *Policies and Procedures* nonmembers are invited to make presentations.

**Suggested Board Action:**

Follow WSLH *Policies and Procedures*.

**Staff Recommendation and Comments:**

Follow WSLH *Policies and Procedures*.

*Per Policies and Procedures of the Wisconsin State Laboratory of Hygiene Board of Directors:*

§6.12 *Speaking privileges.* When the board is in session, no persons other than laboratory staff designated by the director shall be permitted to address the board except as hereinafter provided:

- (a) A committee report may be presented by a committee member who is not a member of the board.
- (b) A board or committee member in the course of presenting a matter to the board may request staff to assist in such a presentation.
- (c) If a board member directs a technical question for clarification of a specific issue to a person not authorized in this section, the Chair may permit such a person to respond.
- (d) The board may by majority vote or by decision of the Chair allow persons not otherwise authorized in this section to address the board if the situation warrants or the following criteria is followed:
  - (1) Written requests for public appearances on specific current agenda items shall be made to the board Secretary no later than two working days prior to the meetings. The request shall outline the reasons for the request including the subject matter to be discussed in as much detail as is feasible prior to the meeting of the board. Those requesting an appearance may, at or prior to the board meeting, provide board members copies of any written materials to be presented or a written statement of a position.
  - (2) Individual presentations will be limited to five minutes, unless otherwise authorized by the Chair.
  - (3) To schedule an appearance before the Wisconsin State Laboratory of Hygiene Board of Directors, contact the board Secretary, c/o Director, Wisconsin State Laboratory of Hygiene, 465 Henry Mall, Madison, Wisconsin 53706. Telephone (608) 890-0288. The subject or subjects to be discussed must be identified.
  - (4) The Wisconsin State Laboratory of Hygiene "Guidelines for Citizen Participation in WSLH Board Meetings" are published on its website: <http://www.slh.wisc.edu/index.shtml> and printed copies are available on request. (See Appendix 5) [Section §6.12 approved 5/27/03 board meeting.]

## Appendix 5

### Guidelines for Citizen Participation at WSLH Board Meetings

The Wisconsin State Laboratory of Hygiene board provides opportunities for citizens to appear before the board to provide information to the board on items listed on the agenda. Such appearances shall be brief and concise. In order to accommodate this participation in the allotted time, the guidelines are as follows:

- A. Items to be brought before the board:
  - 1. The board Secretary and Chair will assign a specific time on the agenda to hear public comment when a request to speak has been received from a member of the public.
  - 2. Individuals or organizations will be limited to a total of five (5) minutes to make a presentation to the board. Following the presentation board members may ask clarifying questions.
  - 3. An organization is limited to one (1) spokesperson on an issue.
  - 4. On complex issues, individuals wishing to appear before the board are encouraged to submit written materials to the board Secretary in advance of the meeting so the board may be better informed on the subject in question. Such information should be submitted to the board Secretary for distribution to all board members no later than seven (7) working days before the board meeting.
  - 5. No matters that are in current litigation may be brought before the board.
- B. The board encourages individuals to confine their remarks to broad general policy issues rather than the day-to-day operations of the Wisconsin State Laboratory of Hygiene.
- C. Citizens who have questions for board members should ask these questions prior to the board meeting, during any recess during the board proceedings, or after board adjournment.
- D. Written requests to appear before the WSLH Board of Directors should be submitted no later than two (2) working days prior to a scheduled board meeting.
- E. Submit written requests to:  
Secretary, Wisconsin State Laboratory of Hygiene Board of Directors  
C/O WSLH Director  
465 Henry Mall  
Madison, WI 53706  
Telephone: (608) 890-0288  
Email: [nathaniel.javid@slh.wisc.edu](mailto:nathaniel.javid@slh.wisc.edu)

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**BUSINESS ITEMS**

**Item 5. BOARD MEMBERS' MATTERS**

**Description of the Item:**

Board Members' Matters will present board members with the opportunity to ask questions and/or discuss issues related to the Wisconsin State Laboratory of Hygiene.

**Suggested Board Action:**

Receive for information.

**Staff Recommendations and Comments:**

Receive for information.

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**BUSINESS ITEMS**

**Item 6. PROFICIENCY TESTING PROGRAM UPDATE**

**Description of the Item:**

Kristine Hansbery and Megan Flowers, WSLH PT, will provide the proficiency testing program update.

**Suggested Board Action:**

Review and provide input.

**Staff Recommendations and Comments:**

Receive for information.

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**BUSINESS ITEMS**

**Item 7. STRATEGIC PLAN INITIATIVE UPDATES**

**A. Outreach Efforts**

*Jan Klawitter*

**B. Innovation Award Projects**

*Jan Klawitter & Kevin Karbowski*

**Description of the Item:**

Jan Klawitter will provide updates on the Strategic Plan Outreach Efforts. Kevin Karbowski and Jan Klawitter will provide updates on the Innovation Award Projects.

**Suggested Board Action:**

Review and provide input.

**Staff Recommendations and Comments:**

Receive for information.



Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**BUSINESS ITEMS**

**Item 8. FINANCIAL REPORT**

**Description of the Item:**

Kevin Karbowski, WSLH Chief Financial Officer, will provide the October 2019 Financial Report to the Board.

**Suggested Board Action:**

Review and provide input.

**Staff Recommendations and Comments:**

Receive for information.

FISCAL YEAR 2020

October 31, 2019

Contents

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FINANCIAL STATEMENTS

Statement of income

Comparative income statement

Comparative balance sheet

Statement of cash flows

Notes to the financial statements

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**Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019**

**WISCONSIN STATE LABORATORY OF HYGIENE  
STATEMENT OF INCOME  
For the period July 1, 2019 through October 31, 2019**

	Year to Date Actual	Year to Date Budget	Variance Over/(Under)	Variance % of Budget	Fiscal Year 2020 Annual Budget
<b>SUPPORT AND REVENUE</b>					
Laboratory Services Revenues (Note 2)					
Department of Health Services	\$ 2,571,406	\$ 2,263,863	\$ 307,543	13.6%	\$ 6,809,816
Newborn Screening	1,878,193	1,893,389	(15,196)	-0.8%	5,900,000
Driver Improvement Surcharge (OWI)	497,197	530,110	(32,913)	-6.2%	1,619,200
Department of Natural Resources	330,535	319,632	10,903	3.4%	900,000
University of Wisconsin Systems	299,627	236,380	63,247	26.8%	842,328
Other Wisconsin State and Local Agencies	123,649	147,566	(23,917)	-16.2%	333,696
<b>Wisconsin State and Local Agencies</b>	<b>5,700,607</b>	<b>5,390,940</b>	<b>309,667</b>	<b>5.74%</b>	<b>16,405,040</b>
Clinical	1,955,889	1,811,609	144,280	8.0%	5,480,804
Proficiency Testing	1,065,174	1,066,065	(891)	-0.1%	3,171,054
Occupational Health	692,522	629,045	63,477	10.1%	1,894,000
Association of Public Health Laboratories	273,617	298,214	(24,597)	-8.2%	1,216,000
National Atmospheric Deposition Program	569,628	592,424	(22,796)	-3.8%	1,777,308
Federal Agencies	155,048	89,963	65,085	72.3%	218,979
Environmental Testing	615,594	392,352	223,242	56.9%	1,346,781
Other Nonagency	30,331	16,701	13,630	81.6%	113,543
<b>Nonagency</b>	<b>5,357,803</b>	<b>4,896,373</b>	<b>461,430</b>	<b>9.4%</b>	<b>15,218,469</b>
Sponsored Projects	2,451,670	2,528,007	(76,337)	-3.0%	6,674,290
Earnings - Investment Income	82,756	83,970	(1,214)	-1.4%	260,000
Program Revenue	13,592,836	12,899,290	693,546	5.4%	38,557,799
State General Program Revenue (GPR)	3,779,090	3,827,857	(48,767)	-1.3%	11,728,000
<b>TOTAL SUPPORT AND REVENUE</b>	<b>17,371,926</b>	<b>16,727,147</b>	<b>644,779</b>	<b>3.9%</b>	<b>50,285,799</b>
<b>EXPENSES</b>					
Salaries	6,798,144	6,824,729	(26,585)	-0.4%	21,186,496
Fringe Benefits	2,815,033	2,828,236	(13,203)	-0.5%	7,816,470
Supplies & Services	5,054,465	4,625,748	428,717	9.3%	15,473,230
Transfer Overhead to UW	362,233	316,146	46,087	14.6%	907,583
Building Rent	1,034,724	1,034,254	470	0.0%	3,156,804
Depreciation	667,388	658,087	9,301	1.4%	2,075,176
Bad Debt Expense	0	10,664	(10,664)	-100.0%	32,000
Interest Expense	12,208	11,600	608	5.2%	39,000
Loss From Disposal Of Assets	0	-	0		-
<b>TOTAL EXPENSES</b>	<b>16,744,195</b>	<b>16,309,464</b>	<b>434,731</b>	<b>2.7%</b>	<b>50,686,759</b>
<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 627,731</b>	<b>\$ 417,683</b>	<b>\$ 210,048</b>	<b>50.3%</b>	<b>\$ (400,960)</b>

**WISCONSIN STATE LABORATORY OF HYGIENE  
COMPARATIVE INCOME STATEMENT  
For the 4 months ended October 31, 2019 and October 31, 2018**

	Current Year Actual	Prior Year Actual	Variance Over/(Under)	Percentage Change
<b>SUPPORT AND REVENUE</b>				
Laboratory Services Revenues (Note 2)				
Department of Health Services	\$ 2,571,406	\$ 2,404,860	\$ 166,546	6.9%
Newborn Screening	1,878,193	1,864,587	13,606	0.7%
Driver Improvement Surcharge (OWI)	497,197	520,248	(23,051)	-4.4%
Department of Natural Resources	330,535	215,509	115,026	53.4%
University of Wisconsin Systems	299,627	241,753	57,874	23.9%
Other Wisconsin State and Local Agencies	123,649	148,499	(24,850)	-16.7%
Wisconsin State and Local Agencies	5,700,607	5,395,456	305,151	5.66%
Clinical	1,955,889	1,919,555	36,334	1.9%
Proficiency Testing	1,065,174	1,054,726	10,448	1.0%
Occupational Health	692,522	614,490	78,032	12.7%
Association of Public Health Laboratories	273,617	249,002	24,615	9.9%
National Atmospheric Deposition Program	569,628	703,491	(133,863)	-19.0%
Federal Agencies	155,048	89,963	65,085	72.3%
Environmental Testing	615,594	359,621	255,973	71.2%
Other Nonagency	30,331	111,882	(81,551)	-72.9%
Nonagency	5,357,803	5,102,730	255,073	5.0%
Sponsored Projects	2,451,670	2,324,184	127,486	5.5%
Earnings - Investment Income	82,756	83,968	(1,212)	-1.4%
Program Revenue	13,592,836	12,906,338	686,498	5.3%
State General Program Revenue (GPR)	3,779,090	3,687,661	91,429	2.5%
<b>TOTAL SUPPORT AND REVENUE</b>	<b>17,371,926</b>	<b>16,593,999</b>	<b>777,927</b>	<b>4.7%</b>
<b>EXPENSES</b>				
Salaries	6,798,144	6,309,857	488,287	7.7%
Fringe Benefits	2,815,033	2,667,400	147,633	5.5%
Supplies & Services	5,054,465	5,029,217	25,248	0.5%
Transfer Overhead to UW	362,233	327,314	34,919	10.7%
Building Rent	1,034,724	1,026,896	7,828	0.8%
Depreciation	667,388	641,984	25,404	4.0%
Bad Debt Expense	0	2,000	(2,000)	-100.0%
Interest Expense	12,208	13,112	(904)	-6.9%
Loss From Disposal Of Assets	0	15,358	(15,358)	-100.0%
<b>TOTAL EXPENSES</b>	<b>16,744,195</b>	<b>16,033,138</b>	<b>711,057</b>	<b>4.4%</b>
<b>NET OPERATING INCOME (LOSS)</b>	<b>\$ 627,731</b>	<b>\$ 560,861</b>	<b>\$ 66,870</b>	<b>11.9%</b>

**WISCONSIN STATE LABORATORY OF HYGIENE  
COMPARATIVE BALANCE SHEET  
As of October 31, 2019 and June 30, 2019**

**ASSETS**

	<u>October 31, 2019</u>	<u>June 30, 2019</u>
<b>CURRENT ASSETS</b>		
Cash	\$ 12,146,504	\$ 11,822,355
Cash-restricted-newborn screening surcharge	1,740,427	1,564,612
Net accounts receivables (Note 3)	4,859,909	4,065,961
Other receivables	218,572	856,627
Inventories	55,365	53,968
Prepaid expenses	235,913	81,942
Total current assets	<u>19,256,690</u>	<u>18,445,465</u>
<b>EQUIPMENT AND BUILDING IMPROVEMENTS</b>		
Equipment	29,653,965	28,765,164
Building improvements	6,878,228	6,878,228
	<u>36,532,193</u>	<u>35,643,392</u>
Less accumulated depreciation	<u>(24,882,164)</u>	<u>(24,494,960)</u>
Total net fixed assets	<u>11,650,029</u>	<u>11,148,432</u>
<b>Total Assets</b>	<u><u>\$ 30,906,719</u></u>	<u><u>\$ 29,593,897</u></u>

**LIABILITIES AND EQUITY**

**CURRENT LIABILITIES**

Salaries and fringe benefits payable	\$ -	\$ -
Accounts payable	1,012,403	974,502
Accrued expenses	35,206	201,801
Deferred revenue	0	-
Compensated absences (Note 4)	726,983	659,591
Proficiency testing deferred revenue	1,738,213	1,184,966
Newborn screening deferred revenue	2,508,421	2,423,699
Newborn screening surcharge payable	1,740,427	1,564,612
Total current liabilities	<u>7,761,653</u>	<u>7,009,171</u>

**LONG TERM DEBT**

	<u>1,868,391</u>	<u>1,674,824</u>
Total long term debt	<u>1,868,391</u>	<u>1,674,824</u>
<b>Total Liabilities</b>	<u><u>9,630,044</u></u>	<u><u>8,683,995</u></u>

**EQUITY**

Retained earnings-restricted (Note 5)		
Operating contingency	2,253,381	2,060,980
Total restricted retained earnings	<u>2,253,381</u>	<u>2,060,980</u>
Net Operating Income (Loss)	627,731	921,744
Retained earnings-unrestricted	12,761,047	12,292,662
Contributed capital	5,634,516	5,634,516
Total unrestricted retained earnings	<u>19,023,294</u>	<u>18,848,922</u>
<b>Total Equity</b>	<u>21,276,675</u>	<u>20,909,902</u>
<b>Total Liabilities and Equity</b>	<u><u>\$ 30,906,719</u></u>	<u><u>\$ 29,593,897</u></u>

**WISCONSIN STATE LABORATORY OF HYGIENE**  
**STATEMENT OF CASH FLOWS**  
For the 4 months ended October 31, 2019 and October 31, 2018

	<u>Current Year</u>	<u>Prior Year</u>
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Net income	\$ 627,731	\$ 560,861
Adjustments to reconcile net income to net cash provided by operating activities:		
Depreciation	667,388	641,984
Changes in working capital components:		
Decrease/(Increase) in net accounts receivables	(793,948)	(682,855)
Decrease/(Increase) in other receivables	638,055	385,534
Decrease/(Increase) in inventories	(1,397)	9,279
Decrease/(Increase) in prepaid expenses	(153,971)	(134,095)
(Decrease)/Increase in salaries payable	0	(13,710)
(Decrease)/Increase in accounts payable	37,901	598,637
(Decrease)Increase in accrued expenses	(166,595)	107,283
(Decrease)Increase in deferred revenue	0	77,260
(Decrease)Increase in proficiency testing deferred revenue	553,247	558,965
(Decrease)/Increase in newborn screen deferred revenue	84,722	42,080
(Decrease)/Increase in newborn screening surcharge payable	175,815	256,390
	<hr/>	<hr/>
Net cash provided (used) in operating activities	1,668,948	2,407,613
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Purchase of equipment and physical plant improvements	(1,168,984)	(864,364)
	<hr/>	<hr/>
Net cash provided (used) in investing activities	(1,168,984)	(864,364)
<b>CASH FLOWS FROM FINANCING ACTIVITIES</b>		
Principal payment on Capital Lease	-	-
	<hr/>	<hr/>
Net cash provided (used) in financing activities	-	-
	<hr/>	<hr/>
Net increase (decrease) in cash	499,964	1,543,249
<b>Cash:</b>		
Beginning	13,386,967	13,014,687
	<hr/>	<hr/>
Ending	\$ 13,886,931	\$ 14,557,936
	<hr/>	<hr/>

**WISCONSIN STATE LABORATORY OF HYGIENE**  
**NOTES TO THE FINANCIAL STATEMENTS**  
**For the period July 1, 2019 through October 31, 2019**

**NOTE 1 - NATURE OF BUSINESS AND SIGNIFICANT ACCOUNTING POLICIES**

Nature of Business:

- The Wisconsin State Laboratory of Hygiene (WSLH) is a governmental institution which provides medical, industrial and environmental laboratory testing and related services to individuals, private and public agencies, including the Department of Natural Resources (DNR) and the Department of Health Services (DHS). Approximately 75% of the WSLH operating revenues are program revenues, including contracts, grants, and fee-for-service billing. The remainder are general purpose revenues (GPR), which are Wisconsin state general fund dollars.

Budgetary Data:

- Fiscal Year 2019-2020 operating budget amounts were approved by the WSLH Board on June 18, 2019.

Basis of Presentation:

- The financial statements have been prepared on a modified accrual basis following Generally Accepted Accounting Principles (GAAP).

Basis of Accounting:

- Revenues are recognized at the completion of the revenue generating processes. Fee-for-service revenues are generally recognized in the period services are completed.
- Revenues from GPR, OWI, Grants, and expense reimbursement contracts for salaries, fringe benefits, capital, and supplies are recognized as expended.
- Expenses are recognized and accrued when the liability is incurred.

Estimates and assumptions:

- The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the amounts reported in the financial statements and accompanying footnotes. Actual results could differ from those estimates.

Assets:

- Cash is considered restricted if, by prior agreement with an outside entity, it must be segregated for future use by the outside entity or by WSLH at the outside entity's behest. As of October 31, 2019 available cash is restricted in an amount equal to the newborn screening surcharge payable to the Wisconsin Department of Health Services.
- Accounts receivable are reported at net realizable value. Net realizable value is equal to the gross amount of receivables less an estimated allowance for uncollectible amounts.
- Inventory is stated at cost (first in, first-out method).
- Equipment and building improvements are carried at cost. Expenditures for assets in excess of \$5,000 are capitalized. Depreciation is computed by the straight-line method.

Liabilities

- A liability for unearned revenue is recognized for prepaid receipts for WSLH-provided Proficiency Testing programs and for prepaid newborn screening tests.

**NOTE 2 - LABORATORY SERVICES REVENUES**

- At the Board's request, Laboratory Service Revenues on the Income Statement have been divided into two groups, Agency and Non-Agency, as follows:

Agency:

- Department of Health Services
- Newborn Screening
- Driver Improvement Surcharge (OWI)
- Department of Natural Resources
- University of Wisconsin Systems
- Municipalities
- Law Enforcement Agencies
- Department of Agriculture, Trade and Consumer Protection
- Office of Justice Assistance
- Wisconsin Emergency Management

Non-Agency:

- UW Hospital Authority
- Medicare and Medicaid
- Proficiency Testing
- Occupational Health
- Federal Agencies
- All other revenue from individuals, businesses, clinics, and hospitals.

**NOTE 3 - ACCOUNTS RECEIVABLE**

- Accounts receivable and allowance for uncollectible account balances as of October 31, 2019 and June 30, 2019 are as follows:

	<u>October 31, 2019</u>	<u>June 30, 2019</u>
Accounts Receivable Total	\$4,964,610	\$4,170,961
Allowance for bad debt	<u>(104,701)</u>	<u>(105,000)</u>
Net Receivables	\$4,859,909	\$4,065,961

**NOTE 4 - COMPENSATED ABSENCES**

- GASB Statement No. 16, "Accounting for Compensated Absences," establishes standards of accounting and reporting for compensated absences by state and local governmental entities for which employees will be paid such as vacation, sick leave, and sabbatical leave. Using the criteria in Statement 16, a liability for compensated absences that is attributable to services already rendered and that is not contingent on a specific event that is outside the control of the State and its employees has been accrued. The table below details the liability by benefit category:

	<u>Total</u>	<u>Vacation</u>	<u>Pers Hol</u>	<u>Legal Hol</u>	<u>Sabbatical</u>
Current	\$726,983	\$552,775	\$63,669	\$3,610	\$106,929
Long Term	<u>1,868,391</u>				<u>1,868,391</u>
	\$2,595,374	\$552,775	\$63,669	\$3,610	\$1,975,320

**NOTE 5 - RETAINED EARNINGS - RESTRICTED**

The operating contingency is computed annually and reflects two months of salary and fringe benefit cost for positions funded from program revenues. The contingency fund is considered adequately funded if working capital is greater than the contingency fund restriction. As of October 31, 2019 working capital (current assets less current liabilities) was \$11,495,037 thereby meeting the target contingency reserve requirement of \$2,253,381.



Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**BUSINESS ITEMS**

**Item 9. CONTRACTS REPORT**

**Description of the Item:**

Christine Gunter, Financial Program Supervisor, WSLH, will provide the Contracts Report. The table on the following pages contains the awarded major grants and contracts that are current as of December 5, 2019. WSLH staff will be available to provide more details on these grants and contracts.

**Suggested Board Action:**

Receive for information.

**Staff Recommendations and Comments:**

There are no contracts requiring board approval.

Title	Agency	Amount	Start	End	Division	Description
Chem Level 1 Laboratory	WDHS	\$1,445,235.00	7/1/2019	6/30/2020	EHD	Provide ongoing biological testing capabilities and capacity. PHEP funds maintain relevant laboratory support for identification of biological, chemical, radiological and nuclear agents in clinical, environmental and food specimens. Funds support the exchange of laboratory testing orders and results. Biological testing staff respond to emergencies and provide additional capacity as necessary.
Chemical Response Capacity	WDHS	\$106,619.00	7/1/2019	6/30/2020	EHD	
Biological Response Capacity	WDHS	\$690,092.00	7/1/2019	6/30/2020	CDD	
Whole Genome Sequencing	APHL	\$10,000.00	10/1/2019	6/30/2020	CDD	Sequencing DNA extracted from MTBC (mycobacterium tuberculosis complex)
NBS Program Coordinator	WDHS	\$122,216.77	7/1/2019	6/30/2020	DPD	NBS Program Coordinator - personnel exchange with DHS - Horzewski
Newborn Screening Data and System Integration	WDHS	\$105,950.64	7/1/2019	6/30/2020	DPD	DHS staff for Data and System Integration
Out of Hospital Newborn Screening	WDHS	\$69,849.60	7/1/2019	6/30/2020	DPD	Out of Hospital outreach coordinator
NBS We-Trac	WDHS	\$97,501.01	7/1/2019	6/30/2020	DPD	NBS - WE TRAC program - personnel exchange with DHS
RPS Monitoring	WDHS	\$126,782.00	7/1/2019	6/30/2020	EHD	Radio Chem Monitoring FY 20
UCLA - Puf	UCLA	\$19,200.00	9/16/2019	6/30/2020	EHD	Fee for Service activity - Total Elements & Gravimetric Analysis of PUF
PFAS Municipal Wastewater and Biosolids	WDNR	\$34,229.00	7/1/2019	6/30/2019	EHD	Analysis and method development of samples submitted
Diatoms and Related Microscopy	WDNR	\$104,000.00	9/13/2019	6/30/2021	EHD	Testing for organisms to include but not limited to: diatoms/zebra mussels veligers, spiny water fleas and other planktonic organisms.
Highway Safety OWI Oral Fluid Drug Testing	WDOT	\$40,000.00	3/1/2019	9/30/2019	FOR TOX	Manitowoc County Oral Fluid Project - isolate cases where drug testing would not have been performed and provide testing and analytical services.
DHS DPH OHI Syndromic Surveillance Program	WDHS	\$108,037.00	9/25/2019	6/30/2020	OIS	Providing services through the Syndromic Surveillance Data Exchange to DHS/DPH and other agencies authorized by DHS/DPH
CDC Measles & Rubella PT Panels	CDC	\$34,200.00	9/30/2019	9/29/2020	PT	WSLH will produce 120 PT panels for measles and 120 PT panels for rubella to be shipped to recipients in all regions of the world.
APHL - GC Proficiency Testing Panels	APHL	\$16,000	10/7/2019	6/30/2020	PT	Coop Agreement with CDC for preparing and distributing GC Proficiency testing panels to select public health laboratories.

# Contracts Summary

Recap - WSLH Division	
CDD	\$700,092.00
DPD	\$395,518.02
EHD	\$1,836,065.00
FOR TOX	\$40,000.00
OIS	\$108,037.00
PT	\$50,200.00
	\$3,129,912.02

Recap - Client/Contractor	
WDHS	\$2,872,283.02
WDNR	\$138,229.00
WDOT	\$40,000.00
APHL	\$26,000.00
UCLA	\$19,200.00
CDC	\$34,200.00
	\$3,129,912.02

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
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**BUSINESS ITEMS**

**Item 10. HUMAN RESOURCES REPORT**

**Description of the Item:**

Cynda DeMontigny, WSLH Human Resources Director, will provide the HR update from the period of September 1 to December 9, 2019 to the Board.

**Suggested Board Action:**

Receive for information.

**Staff Recommendations and Comments:**

Receive for information.

**Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019**

*Retirements*

September 1, 2019 to December 9, 2019

	AS	US	
DPD	1		
EHD			
LID			
CDD	1	1	
Admin			
OHD			Total
	2	1	3

*New Employees*

September 1, 2019 to December 9, 2019

	AS	US	SH	FT	TE	
DPD	6	2				
EHD	4	1				
LID	1					
CDD	1					
Admin	2					
OHD	1					Total
	15	3				18

*Internal Hires*

	AS	US	SH	FT	LTE	
DPD						
EHD	2	1				
LID						
CDD	2	1				
ADMIN						
OHD	1					Total
	5	2				7

*Recruitments*

September 1, 2019 to December 9, 2019

<b>DPD</b>	7
<b>EHD</b>	9
<b>LID</b>	1
<b>CDD</b>	4
<b>Admin</b>	3
<b>OHD</b>	1

*Resignations*

September 1, 2019 to December 9, 2019

	AS	US	
DPD			
EHD	2	3	
LID		1	
CDD			
Admin			
OHD			Total
	2	4	6

**DPD** Disease Prevention Division  
**EHD** Environmental Health Division  
**LID** Laboratory Improvement Division  
**CDD** Communicable Disease Division  
**OHD** Occupational Health Division  
**Admin**

AS Acad Staff  
 US Univ Staff  
 SH Student Hourly  
 FT Faculty  
 LTE Limited Term

Wisconsin State Laboratory of Hygiene  
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**BUSINESS ITEMS**

**Item 11. DIRECTOR'S REPORT**

a) Dr. James Schauer, Director, WSLH

**1. Public Relations Report**

Provided at meeting

**2. Water Boil Notice Report**

**3. Vaping Update – Noel Stanton**

**4. Influenza – Dr. Allen Bateman**

Wisconsin State Laboratory of Hygiene  
Board of Directors Meeting  
December 17, 2019

**Report to the Wisconsin State Laboratory of Hygiene Board**

**Representative Public or Environmental Health Incidents of Educational Interest  
September 3 – December 5, 2019**

Approx. Date	Agent or Event Name	Description	Current Status
<b>OUTBREAKS and INCIDENTS</b>			
October - present	Hepatitis A virus	The WSLH Communicable Disease Division performed testing on multiple patient specimens with Hepatitis A virus (HAV) as part of multiple investigations for the WI Division of Public Health. These infections are part of a multistate outbreak associated with blackberries.	Ongoing
November	<i>E. coli</i> 0157:H7	The WSLH Communicable Disease Division is performing testing (identification, serotyping, and whole-genome sequencing) on dozens of <i>E. coli</i> 0157:H7 isolates from Wisconsin patients as part of a nationwide investigation being led by the Centers for Disease Control and Prevention (CDC) nationally and by the WI Division of Public Health in the state. The culprit is romaine lettuce grown in the Salinas Valley in CA.	Ongoing
November	Disseminated gonococcal infections	An unusually high number of cases of Disseminated gonococcal infections have been identified in Wisconsin and surrounding states. The CDC has released an alert and the WSLH Communicable Disease Division has sent a notification to WI clinical labs to be on alert for additional cases.	Ongoing
<b>RECENT EVENTS and FINDINGS</b>			
August 20-23, 2019	CDD Visits with Clinical Labs	The WSLH Communicable Disease Division (CDD) WI Clinical Laboratory Network (WCLN) Coordinator Erin Bowles made a trip to northwestern WI to visit with 12 clinical laboratories to strengthen relationships and discuss clinical laboratory issues such as biosafety practices and educational needs. These visits help determine where CDD focuses its outreach and education efforts with the clinical labs.	Ongoing

September 3, 2019	IL Association for Problem Solving Courts, Bloomington, IL	Forensic Toxicology Director Amy Miles presented to over 800 attendees on current drug trends in impaired drivers and their effects on human performance.	Complete
September 3 – 9, 2019	EPA Water Laboratory Alliance (WLA) Analytical Preparedness Full-Scale Exercise (AP-FSE) and <i>Yersinia pestis</i> rapid viability-polymerase chain reaction (RV-PCR) validation study	<p>Shannon Johnson-Windsor, Paige Mullen and Marty Collins of the Water Microbiology group participated in an EPA sponsored study to validate a new RV-PCR method for detection of <i>Y. pestis</i>, the bacteria responsible for causing the plague (using an attenuated strain). The preliminary work began in July, updating biosafety protocols and bringing up the culturing and RV-PCR methods.</p> <p>The preparedness exercise began Sept. 3rd with the scenario of <i>Y. pestis</i> having been preliminarily identified as a contaminant in water from the Southern Nevada Water Authority. The WSLH was one of several labs contacted to determine whether <i>Y. Pestis</i> was in the samples using the RV-PCR method. The exercise kept the group on their feet, beyond the typical lab work associated with the methods, as daily scenarios included how we would respond to dropped samples, power outages, contaminated reagents and phone calls from reporters digging for information.</p> <p>The final activity in the project was a discussion including the organizing institution, local authorities and the participating laboratories where it was determined to be a successful preparedness exercise.</p>	Complete
September 4, 2019	Tuberculosis sequencing grant awarded to CDD	The Communicable Disease Division was one awardee of an Association of Public Health Laboratories (APHL) grant to perform next-generation sequencing from positive patient cultures. The data from this grant will be sent to CDC for comprehensive analysis and will assist in determining whether this sequencing approach may be used for testing drug susceptibility of TB in the future.	Ongoing
September 11, 2019	Waukesha Technical College	Forensic Toxicology Section Chemist Kimberle Glowacki presented to students in the Criminal Justice program to provide information about the WSLH and the Forensic Toxicology Program.	Complete



<p>September, 17,18, &amp; 24, 2019</p>	<p>WCLN Regional Meetings</p>	<p>CDD hosted WI Clinical Laboratory Network (WCLN) Regional Meetings in Rice Lake, Kimberly, and Madison for clinical laboratorians, hospital infection preventionists, and local public health personnel. These meetings provide education and reinforce partnerships necessary for effective emergency response.</p> <p>Presenters included: CDD personnel Erin Bowles, Allen Bateman, Alana Sterkel, Ann Valley, and Erik Reisdorf, as well as WI Division of Public Health State Veterinarian Rachel Klos. Topics included: how to recognize potential bioterrorism agents encountered in WI and prevent laboratory acquired infections; updates from the WSLH surveillance programs; updates to the antibiotic resistance laboratory network; and discussions on legionella and measles. Attendees also enjoyed case studies and ended the day with a rousing game of Kahoot, to test their general knowledge of microbiology and see what they had learned during the meeting.</p>	<p>Complete</p>
<p>September 30, 2019</p>	<p>U.S. Department of State grant for International Capacity Building for Low-Cost Sensor Networks</p>	<p>WSLH Director Jamie Schauer and collaborators Ross Edwards and Mike Olson were awarded a \$345,000+ three-year grant to set up air pollution sensor networks in Dhaka, Bangladesh, and Kolkata, India.</p> <p>From the grant award:</p> <p>“...This regional project aims to link the cities of Dhaka in Bangladesh and Kolkata in India. Both locations have benefited from the trusted &amp; accessible data generated by the U.S. consulate air quality monitoring, but still, lack the spatial resolution to address spatial variability. By selecting two under-monitored cities within an extreme air-pollution region, WSLH can develop synergistic activities between the sites, strengthen partnerships within host countries and their institutions and engage the private sector.”</p>	<p>Ongoing</p>
<p>October 2019</p>	<p>ASTM Committee D22 Award</p>	<p>WOHL Deputy Director LeRoy Dobson received the <i>George W. Luciw Award of Excellence</i> from the ASTM Committee D22 on Air Quality.</p> <p>ASTM International, formerly known as</p>	<p>Complete</p>

		<p>American Society for Testing and Materials, is an international standards organization that develops and publishes voluntary consensus technical standards for a wide range of materials, products, systems, and services</p> <p>ASTM Committee D22 was formed in 1951. It meets twice a year, in April and October, with approximately 100 members attending over three days of technical meetings. The Committee, with a membership of over 400, currently has jurisdiction of over 145 standards, published in the Annual Book of ASTM Standards; Volume 11.07. D22 has 7 technical subcommittees that maintain jurisdiction over these standards. These standards have, and continue to play, a preeminent role in all aspects relating to the methodology for sampling and analysis of source emissions, ambient, workplace and indoor atmospheres, and meteorological conditions.</p> <p>Leroy has been an active member with D22 and for several years has been Secretary for the Committee.</p>	
October 4, 2019	Gateway Technical College, Racine, WI	Forensic Toxicology Section Chemist Kimberle Glowacki presented to students interested in forensic science to provide information about the WSLH and the Forensic Toxicology Program.	Complete
October 8, 2019	Annual WMLN Meeting	CDD hosted its annual Wisconsin Mycobacteria Laboratory Network (WMLN) conference in Madison. Laboratorians, epidemiologists, and public health nurses came to learn and discuss updates and topics in mycobacteriology.	Complete
October 9-10, 2019	Annual STD Summit	CDD and Cytology representatives hosted a booth at the annual STD Summit in the Wisconsin Dells. CDD Assistant Director Alana Sterkel presented on test validation and positive predictive value.	Complete
October 8 and 22, 2019	DRE Recertification, LaCrosse PD and Milwaukee Police Academy	Forensic Toxicology Section Chemist Kimberle Glowacki presented to DREs from the area regarding current drug trends and testing at the WSLH.	Complete
October 10,	CDD WI Clinical	Pete Shult, Erik Reisdorf and Erin Bowles	Completed

2019	Laboratory Network (WCLN) Webinar	<p>presented the October WCLN webinar “<i>Influenza and Other Respiratory Viruses Update – 2019</i>”.</p> <p>Roughly 200 clinical laboratorians and local public health personnel attended the webinar to hear a review of the 2018-2019 respiratory season and learn about expectations for the 2019 – 2020 respiratory season. A discussion of emerging novel influenza viruses and vaccine efficacy were included in the presentation.</p>	
October 11-13, 2019	Elsevier Energy Connect Conference 2019: Energy Transition – exploring the Policy-Systems-Technology Nexus, China University of Petroleum, Qingdao, China	<p>WSLH Director Dr. Jamie Schauer was a keynote speaker at the Elsevier Energy Connect Conference 2019: Energy Transition – exploring the Policy-Systems-Technology Nexus at China University of Petroleum in Qingdao, China.</p> <p>Jamie is Co-Editor-in-Chief of Atmospheric Environment, one of Elsevier’s journals. His talk topic was: Global Perspective on the Nexus for Mitigation of Climate Change and Air Pollution</p> <p>Elsevier Energy Connect Conference is one of a series of ongoing activities in China started by Elsevier in 2017 to help build bridges, connections and collaborations with Chinese authors, reviewers and editors. The purpose of the Energy Connect Conference is to bring together the high impact authors, reviewers and editors of Elsevier’s leading international journals in the field of energy and environmental science, and aim to offer novel, high-level insights as well as an opportunity to discuss the latest developments in energy and environmental research.</p> <p>The 2019 conference highlighted the intersection of on-going and future changes in the energy sector and global change.</p>	Complete
October 13, 2019	SCACM presentation about <i>Candida auris</i>	CDD Assistant Director Allen Bateman presented information about WSLH’s testing to control the spread of the drug-resistant yeast <i>Candida auris</i> at the South Central Association of Clinical Microbiology (SCACM) – Wisconsin meeting.	Complete
Week of October 14, 2019	Society of Forensic Toxicologists (SOFT), San Antonio, TX	Forensic Toxicology Director Amy Miles chaired a half-day workshop during SOFT which focused on collaboration between public health labs and forensic labs. Amy also presented in another workshop which covered Novel Psychoactive	Complete

		<p>Substances and their effects and prevalence in DUID. During this meeting, Amy was voted in as President-Elect of SOFT for 2020 and will promote to President in 2021. During the SOFT meeting, Advanced Chemist Lori Edwards Co-chaired a half-day workshop on Best Practices in Medicolegal Death Investigations and presented her work on buprenorphine impairment and driving. Chemist Supervisor Bill Johnson and Chemist Diane Kalscheur attended the week-long conference.</p>	
October 15, 2019	National Influenza Reference Center renewal	<p>The WSLH Communicable Disease Division received the top score amongst laboratories vying for renewal of National Influenza Reference Center (NIRC) status and funding.</p> <p>As top scorer, the WSLH will be the sole national influenza reference center in the summer, as well as one of three during influenza season.</p> <p>One of the reviewers commented on the WSLH renewal proposal, “An exceptional application overall with key strengths across all categories, little to no weaknesses.”</p> <p>NIRCs are funded by the Association of Public Health Laboratories (APHL), in cooperation with the US Centers for Disease Control and Prevention’s (CDC) Influenza Division (ID), to support national influenza surveillance initiatives. NIRCs serve as an extension of the CDC ID Virology Surveillance and Diagnosis Branch (VSDB) and provide services that are complementary to those at CDC based on methods and protocols provided by APHL and CDC. Services provided by the reference centers include: 1) influenza virus isolation and propagation; 2) antiviral resistance testing; and 3) genomic sequencing using next generation sequencing (NGS).</p>	Complete
October 17, 2019	WI Clinical Lab Management Assoc. Meeting, Eau Claire, WI	Forensic Toxicology Section Chemist Kayla Neuman presented to the WCLMA regarding current drug trends, THC/CBD and testing at the WSLH.	Complete
October 21, 2019	Brown County Sheriff meeting	Forensic Toxicology Director Amy Miles and Chemist Ted Savage travelled to Green Bay to present the Brown Co Sheriff with a presentation	Complete

		and information on roadside oral fluid testing.	
October 22, 2019	Illinois Society of Microbiology and Chicago Department of Public Health	Antibiotic Resistance Lab Network Coordinator Ann Valley presented information on <i>Candida auris</i> as part of a tabletop exercise for laboratorians, infection preventionists and public health.	Complete
October 25, 2019	IACP DRE Technical Advisory Panel, Chicago, IL	Forensic Toxicology Director Amy Miles attended the fall meeting of the DRE TAP. Amy has served as the Toxicology Representative for 6 years and will complete her final term at the end of 2019.	Complete
October 25, 2019	WI Prosecutor OWI Training, Elkhart Lake, WI	Forensic Toxicology Section Chemist Kayla Neuman presented to the WI Prosecutors regarding current drug trends and THC/CBD and Bill Johnson gave a separate presentation on updates and testing at the WSLH.	Complete
October 29, 2019	Presentation about whole-genome sequencing analysis at UW-Madison Food Research Institute	CDD Assistant Director Allen Bateman presented to the UW-Madison Food Research Institute about PulseNet enteric disease surveillance and how whole-genome sequencing data is analyzed to identify outbreaks of foodborne disease.	Complete
October 30, 2019	<i>WI Fire Chief</i> magazine article	Chemical Emergency Response (CER) Unit Supervisor Meshel Lange wrote an article on the long-standing partnership between the WSLH and Wisconsin's HazMat teams for <i>WI Fire Chief</i> magazine.	Complete
November 4-5, 2019	Bi-annual CAP inspection	College of American Pathologists (CAP) inspectors visited CDD, Cytology, Newborn Screening, Genetics, and Chemical Emergency Response units. The inspectors were very thorough and were impressed by the quality of our lab. A few deficiencies were identified and we have worked hard to correct these immediately. We passed our inspection and will maintain our certification and can continue to provide clinical testing.	Complete
November 4-8, 2019	NADP Scientific Symposium and Fall Meeting, Boulder, CO	The National Atmospheric Deposition Program, which is housed at the WSLH, held its Fall Meeting and Scientific Symposium in Boulder, CO. More than 150 scientists and policymakers from across the globe gathered to discuss the	Complete

		latest data and research on atmospheric deposition and air pollution. This year's gathering featured an all-day workshop at the beginning of the week focused on the linkages between agriculture and reactive nitrogen deposition.	
November 6-7, 2019	Northeastern TB Summit	CDD representatives hosted a booth at the annual Northeastern TB Summit. CDD Assistant Director Alana Sterkel presented on BCG vaccination and therapy and on cases of non-tuberculous mycobacteria. Mycobacteria Team Lead Laura Louison presented on lab diagnostic methods and reporting.	Complete
November 11, 2019	Nanjing University, China, Delegation visit to UW-Madison	WSLH Director Jamie Schauer met with a delegation of faculty and scientists from Nanjing University when they visited UW-Madison and local companies including Exact Sciences and Promega. The visit was arranged by the Wisconsin China Initiative ( <a href="https://china.wisc.edu/">https://china.wisc.edu/</a> ), which was created in the UW-Madison Division of International Studies in 2007. The goals of the WCI are to: <ul style="list-style-type: none"> <li>• Build an effective platform for UW engagement with the China region</li> <li>• Serve the Wisconsin Idea by disseminating knowledge beyond the classroom</li> <li>• Partner strategically with government and business groups across the Upper Midwest</li> <li>• Deepen and expand education and research about China</li> </ul>	Complete
November 12-13, 2019	John Teggatz Coroner and Medical Examiner Seminar, Milwaukee, WI	Forensic Toxicology Section Chemists Courtney Miller, Lori Edwards and Diane Kalscheur attended the C/ME two day seminar.	Complete
November 13, 2019	Teleconference and presentation with NHTSA Region 5	Forensic Toxicology Section Chemist Ted Savage presented to members of NHTSA's Region 5 about oral fluid testing and technology.	Complete
November 13 - 14, 2019	Presentations at CDC Healthcare-Associated Infections (HAI)	Antibiotic Resistance Lab Network (ARLN) Coordinator Ann Valley discussed WSLH's testing in response to drug-resistant <i>Acinetobacter baumannii</i> outbreak in Wisconsin and on	Complete

	Grantees Meeting	WSLH's development and testing of <i>Candida auris</i> for colonization screening in the Midwest Region.	
November 16, 2019	<i>Archaeometry</i> journal article	<p>Using cutting-edge 21<sup>st</sup> century science to reveal secrets of ancient history, WSLH Post-Doctoral Research Associate Sean Scott, along with Martin Shafer, Joel Overdier (WSLH), Phil Farrell (UWSMPH) and international collaborators published research in the peer-reviewed journal <i>Archaeometry</i> showing elevated lead levels in Roman residents of ancient Londinium. Testing for the research was performed in the WSLH Trace Elements Clean Lab.</p> <p>Sean with his fellow researchers looked at lead levels in ancient thigh bones (1<sup>st</sup> to 3<sup>rd</sup> century AD) buried in the settlement of Londinium. They found exceedingly high lead levels, which did not come from being buried with lead grave goods or in lead coffins. The potential for negative health effects and even potential population decline due to widespread elevated lead levels could have impacts on our understanding of this ancient Roman community.</p> <p><i>Archaeometry</i> article - <a href="https://onlinelibrary.wiley.com/doi/10.1111/arc.12513">https://onlinelibrary.wiley.com/doi/10.1111/arc.12513</a>)</p> <p>The research was written about in:</p> <p><i>Forbes</i> - <a href="https://www.forbes.com/sites/kristinakillgrove/2019/11/29/archaeological-skeletons-from-london-prove-some-romans-were-lead-poisoned/#747676a248cc">https://www.forbes.com/sites/kristinakillgrove/2019/11/29/archaeological-skeletons-from-london-prove-some-romans-were-lead-poisoned/#747676a248cc</a></p> <p><i>Chemistry World</i> - <a href="https://www.chemistryworld.com/news/londinium-romans-blood-lead-levels-so-high-they-may-have-lowered-birth-rates/4010808.article">https://www.chemistryworld.com/news/londinium-romans-blood-lead-levels-so-high-they-may-have-lowered-birth-rates/4010808.article</a></p>	Complete
November 17, 2019	American Society of Cytopathology Presidency	WSLH Medical Director and UW Professor of Pathology and Laboratory Medicine Dan Kurtycz was installed as President of the American Society of Cytopathology at their annual meeting in Salt Lake City. ASC is the world's premier scientific cytology association as well as being the largest with over 3,000 members. ASC is	Ongoing

		dedicated to education, research, and most importantly patient advocacy.	
November 19, 2019	CDD Annual LabTAG Meeting	The CDD Laboratory Technical Advisory Group (LabTAG) is comprised of 9 laboratory professionals from clinical laboratories across WI and 1 individual from Marquette University's Clinical Laboratory Science program. WCLN Coordinator Erin Bowles works closely with this diverse group to create resources and plan educational events for the Wisconsin Clinical Laboratory Network (WCLN). Once a year the group meets in person to discuss the issues clinical laboratories are facing and to help CDD determine where to focus its training efforts for the most impact. This year's annual meeting was held at the Clarion Hotel & Suites/Wintergreen Conference Center in Wisconsin Dells. Everyone left the meeting feeling very satisfied that they had collaborated successfully to plan an entire conference and several webinar events for 2020.	Complete
November 21, 2019	US Capitol Briefing on DUID, Washington DC	Forensic Toxicology Director Amy Miles travelled to Washington DC to meet with the National Highway Transportation Safety Administration, as well as the National Safety Council and then capped off the day by presenting at the US Capitol during a briefing on drug impaired driving. Amy was interviewed by The GlobePost afterwards. The resulting article is <a href="https://theglobepost.com/2019/11/26/marijuana-duit-laws/">https://theglobepost.com/2019/11/26/marijuana-duit-laws/</a>	Complete
November 22, 2019	Invited Speaker	CDD collaborated with the UW-Madison Department of Medical Microbiology and Immunology (MMI) to host Dr. Jean Patel, who spoke on the growing problem of antibiotic resistant infections to an audience of WSLH lab members, MMI faculty and students, and UW medical personnel.	Complete
November 22, 2019	APHL Webinar – Driving High, the Emerging DUI	Forensic Toxicology Director Amy Miles was part of a 3-speaker panel for the APHL webinar "Driving High, the Emerging DUI". Amy's portion of the webinar focused on the practical issues and challenges confronted by forensic toxicology labs in regard to THC testing in drivers.  APHL reported 496 webinar viewers, the largest	Complete



		webinar they have presented so far.	
November 25, 2019	WSLH Awards	<p>The 2<sup>nd</sup> annual WSLH Awards program was held at both the Henry Mall and AG Drive facilities. The awards program is peer-nominated and peer-judged. The goal of the program is to bring awareness for all the great work being accomplished throughout the lab.</p> <p>There were 14 nominees for five awards this year. WSLH Director Jamie Schauer presented awards for:</p> <p>Service to the Community - Derek Popp (WOHL)</p> <p>Collaboration - Danielle Olson (NBS), Nate Lepak and Dean Helwig (Purchasing)</p> <p>Excellence in a Research Publication - Les Henderson (Cytogenetics)</p> <p>Education and Outreach - Jan Klawitter (Administration)</p> <p>Distinguished Service - Amy Mager (NADP)</p>	Complete
November 25, 2019	WKOW-TV (Madison) story on vaping investigation	<p>Chemical Emergency Response Coordinator Noel Stanton along with WI Division of Public Health Chief Medical Officer Dr. Jon Meiman were interviewed for an in-depth story on the vaping investigation in Wisconsin and nationally.</p> <p>The WKOW story also ran on its sister affiliates in other parts of the state.</p> <p><a href="https://wkow.com/2019/11/25/digging-deeper-inside-the-wisconsin-labs-working-to-end-the-vaping-epidemic-2/">https://wkow.com/2019/11/25/digging-deeper-inside-the-wisconsin-labs-working-to-end-the-vaping-epidemic-2/</a></p>	Complete
December 4, 2019	American Bar Association Webinar	Forensic Toxicology Director Amy Miles presented on a panel during a Continuing Education Webinar for judges across the country discussing issues in Forensic Toxicology and testimony.	Complete