



# Memorandum

**Date:** November 21, 2024

**To:** Southern Nevada District Board of Health

**From:** **Cassius Lockett, PhD**, Deputy District Health Officer-Operations *CL*  
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**Subject:** Community Health Division Monthly Activity Report – October 2024

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## **I. OFFICE OF CHRONIC DISEASE PREVENTION & HEALTH PROMOTION (OCDPHP)**

### **A. Chronic Disease Prevention Program (CDPP)**

The CDPP worked with the Partners for a Healthy Nevada (PHN) coalition to recognize Childhood Obesity Awareness Month and promote the 5-2-1-0 initiative in September. Sixteen (16) PHN partners shared 5-2-1-0 materials and resources at 21 scheduled programs, outreach events and activities during September. Partners also shared 5-2-1-0 messages via social media and other communication platforms during September which dovetailed with a paid campaign in English and Spanish. In total, over 3,100 people received educational and promotional materials and over 179,000 were reached through media efforts.

The Move Your Way Summer Initiative wrapped up in September. This initiative promotes physical activity at outreach events and provides free opportunities for physical activity at local recreation center pools. We reached over 10,000 people through 17 outreach events and pool parties.

The Soda Free Summer initiative also wrapped up in September. Soda Free Summer's initiative encourages people to limit or eliminate sugary beverages during the summer and choose water or other healthier beverages. Our efforts reached over 7,600 people at seven (7) community outreach events.

CDPP staff serve on the Technical Advisory Committee (TAC) for the City of Las Vegas' (CLV) Vision Zero (VZ) Plan. CDPP has been working with the City of Las Vegas on a Guiding Principles for Safe Routes to Parks document that will help support implementation of VZ strategies. The city worked with the community and members of the TAC to develop a draft Guiding Principles for Safe Routes to Parks document and after review, the document was finalized and added to the CLV Vision Zero website. When the next Vision Zero plan is updated, the Safe Routes to Parks plan will be added as an amendment. CDPP will be working with the City of Las Vegas to support the implementation of Safe Routes to Parks strategies outlined in the document as part of the REACH grant.

Our CDPP staff has successfully expanded the Barber/Beauty Shop Health Outreach Program (BSHOP/BeSHOP) by adding one (1) new barber shop and one (1) new beauty shop. Barber and beauty shop owners, stylists, and barbers have been trained and the new locations are now

integrated into the ongoing blood pressure screening schedule. This brings the total number of local, Black-owned barber and beauty shops participating in the BSHOP/BeSHOP initiative to 17 (12 barber and 5 beauty shops).

**B. Tobacco Control Program (TCP) Update**

The TCP launched a new website: [smokefreeparkssnv.org](http://smokefreeparkssnv.org) as part of their smoke-free parks initiative. This website serves to educate the public and issue stakeholders on the benefits of smoke-free recreational spaces.

TCP's youth vaping prevention initiative: "Breakdown", established a partnership with the Nevada Association of Student Councils. TCP staff attended the Southern Nevada Student Council Presidents' Meeting to promote vape-free lifestyles to high school students throughout Southern Nevada. Additionally, staff sponsored the African American Youth Leaders Training and Summit, which empowers faith-based youth leaders from approximately 30 churches to become more effective leaders. Staff provided materials for the workshop addressing mental health and substance use among teens, including vaping.

This team collaborated with the Mexican Patriotic Committee to promote tobacco-free lifestyles through the Por Mi Por Ti Por Nosotros initiative during the annual Fiestas Patrias celebration held at the Sammy Davis Jr. Festival Plaza at Lorenzi Park. The event was promoted as smoke and vape-free. No smoking and no vaping signage was posted throughout event grounds as friendly reminders to the public. Announcements promoting the Nevada Tobacco Quitline were done in English and Spanish throughout the duration of event. Over 700 people attended the outdoor event on September 14<sup>th</sup>.

Team TCP hosted a Native Hawaiian / Pacific Islander Ohana Outing in partnership with UNLV. This event was a women's volleyball game between the University of Hawaii and UNLV. Before and during the game Island eNVy staff tabled and distributed materials that promoted the smoke-free lifestyle and available tobacco cessation resources to patrons who attended the game. This event was held on September 24<sup>th</sup>. There were an estimated 3,000+ people in attendance.

In September, our staff was invited to develop an article that will run in a highly popular local LGBT publication called the Las Vegas Spectrum. The focus of the article was on the high smoking and vaping rates of the LGBT+ community (in comparison to other communities) and the available resources to quit.

**II. OFFICE OF EMERGENCY MEDICAL SERVICES & TRAUMA SYSTEM (OEMSTS)**

**A. Education Committee**

The Education Committee assists the OEMSTS, the Medical Advisory Board (MAB), and the QI Directors Committee in researching, developing, editing, and approving new and existing education for initial training and continuing education purposes. Members include volunteer representatives from permitted agencies, receiving hospitals, and individuals involved with the training of EMS professionals.

The Committee discussed the education outline for the Hemorrhage Control protocol and reviewed the paramedic mentorship/internship program.

**B. Drug/Device/Protocol Committee (DDP)**

The DDP Committee assists the OEMSTS, the Medical Advisory Board (MAB), and the QI Directors Committee in researching, developing, and editing new and existing protocols. Members include volunteer representatives from permitted agencies, receiving hospitals, and individuals involved with the training of EMS professionals.

The DDP reviewed proposed changes to the Clark County EMS System Emergency Medical Care Protocols, and discussed adding Buprenorphine to the formulary.

**C. Medical Advisory Board (MAB)**

The primary mission of the MAB is to support the Health Officer’s role to ensure quality patient care within the EMS system by making recommendations and assisting in the ongoing design, operation, and evaluation of the EMS system from initial patient access to definitive patient care. The members include: 1) One (1) medical director of each firefighting/franchised agency; 2) One (1) operational director of each firefighting/franchised agency; 3) Chairman of the Regional Trauma Advisory Board; and 4) An employee of the District whose duties relate to the administration and enforcement of EMS Regulations as an ex-officio member.

The Board heard sub-committee reports on revisions to the Clark County protocols.

**D. Regional Trauma Advisory Board (RTAB) MAB)**

The RTAB is an advisory board with the primary purpose of supporting the Health Officer’s role to ensure a high-quality system of patient care for the victims of trauma within Clark County and the surrounding areas. The RTAB makes recommendations, and assists in the ongoing design, operation, and evaluation of the system from initial patient access to definitive patient care.

RTAB agreed to support an attempt to pass legislation requiring a primary seatbelt law. Other legislative issues regarding traffic safety were discussed, and a report was presented from a SNHD Health Education & Injury Prevention Ad hoc member regarding all the community events taking place within the next 2-3 months.

**E. OEMSTS – October 2023 / 2024 Data**

EMS Statistics	Oct 2023	Oct 2024	
Total certificates issued:	84	89	↑
New licenses issued:	71	83	↑
Renewal licenses issued (recert only):	0	7	↑
Driver Only:	37	47	↑
Active Certifications: EMT:	912	858	↓
Active Certifications: Advanced EMT:	1872	1882	↑
Active Certifications: Paramedic:	1967	2069	↑
Active Certifications: RN:	60	66	↑

### **III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)**

#### **A. Planning and Preparedness**

1. Staff continued collaborating with Clark County and a software developer on an Impacted Persons Database. They are currently working through the legal implications of providing patient data to Resiliency Center for extension of services and other limited uses of this information for response and recovery operations. SNHD and community partners will provide presentation for November District After Dark.
2. OPHP continued to review and revise plans, threat response guides, and both internal and external training.
3. Our Planners completed the Administrative Preparedness Annex.
4. The Planners continue to review and revise the CHEMPACK, Nuclear and Radiation, Administrative Preparedness, Mass Care Support, and Highly Infectious Disease plans. They met with Legal to discuss the legal aspects of the preparedness annex.
5. Assistance was provided to the revisions of the COVID AAR.
6. Planners continue to update the Nevada Continuity tool in order to streamline the process of generating a usable Continuity of Operations Plan (COOP). Planner has created a working group to complete the COOP process.
7. Sixty-five SNHD employees were fit tested for personal protective equipment.
8. Planners are currently serving as reviewers for Project Public Health Ready 2024 review cycle.
9. OPHP Planners coordinated automation of emergency notification system updates with IT and Human Resources.
10. Planners perpetuated revision of SNHD Basic EOP and Direction and Control Annexes.
11. Senior Planner continued to review *Aedes aegypti* Invasive Mosquito Plan and Community Reception Center Plan. Planner I began complete rewrite of Emergency Operations Basic Plan.
12. Planners and Senior Administrative Assistant met to discuss the SNPOD website and related procedures. Staff are working on a list of businesses and partner organizations to reach out to regarding updating or initiating Closed POD MOUs.
13. Our Planners began work on theme and development of the 2026 Preparedness calendars.

#### **B. Training, Exercises and Public Health Workforce Development:**

1. Trainers continue to develop Position Specific Task Books and related training curricula. Invitations were sent to SNHD ICS Emergency Personnel for ICS training on October 15<sup>th</sup> at SNHD's Decatur location. The feedback from participants was extremely positive.
2. New Hire Orientation for Emergency Preparedness and Security was not provided in October due to every other month schedule.
3. CPR Training was not provided due to an insufficient number of students completing the online training.
4. Planners conducted the EPA Water Laboratory Alliance Advanced Practice full scale exercise in coordination with Environmental Health, SNPHL, and EPA.

5. The Senior Planner and Clinical Advisor attended the Whole Community Emergency Planning course.
6. Planners completed the COOP After Action Report and held After Action Report Meeting.
7. OPHP Planners attended DSLR PHEP NOFO & Exercise Supplemental Guidance Seminar.
8. Planners held the initial Planning Meeting for the Extreme Health Seminar planned for March 12, 2025.
9. OPHP Planners attended Common Operating Picture Seminar/Tabletop hosted by City of Henderson Department of Emergency Management.
10. Our Planners attended a Train Derailment TTX Exercise for the City of Henderson.

**C. Southern Nevada Healthcare Preparedness Coalition (SNHPC)**

1. Trainers and Clinical Advisor confirmed First Receiver Documentation Training on December 4<sup>th</sup> with Mountain View Tenaya Hospitals.
2. The trainer consistently promotes the TEEX Medical Preparedness & Response to Bombing Incidents at North Las Vegas OEM February 26<sup>th</sup> - 27<sup>th</sup>. TEEX Medical Management of CBRNE Events and Radiological Training for Hospital Personnel tentatively planned for September or October 2025, location TBD.
3. Twenty Hospital Area Command bags for standalone emergency departments assembled. Training for standalone ED staff coordinated with the Fire Department and SNHD contractors.
4. Hospital Area Command full scale exercises/training conducted with 19 standalone Emergency Departments supported by county and city Fire Departments.
5. Planners and Clinical Advisor, in coordination with Clark County Fire Department, conducted two (2) Hospital Area Command drills at freestanding emergency departments (FSED).
6. Planners and Clinical Advisor finalized the Patient Movement Annex.
7. Our Planners and Clinical Advisor continue planning efforts for the Information Sharing Annex and Resource Management Annex.
8. Trainer, Clinical Advisor and Senior Planner continue to support NDMS/FCC TTX on October 8<sup>th</sup> and Full-Scale Exercise on November 6<sup>th</sup> at Nellis Air Force Base.
9. OPHP staff facilitated review and update of SNHPC Hazard Vulnerability Analysis (HVA), sub-committee meeting on October 16<sup>th</sup>, a deliverable of Hospital Preparedness Program grant.
10. OPHP and Clinical Advisor begin planning efforts for the Medical Response Surge Exercise 2024.
11. Our Planners attended a healthcare system partner's Emergency Management Committee Meetings.
12. The Planners continue efforts for the ProCare Hospice Exercise.

**D. Fusion Center Public Health Analyst:**

1. Disseminated public health information between SNHD and the Southern Nevada Counter Terrorism Center (SNCTC).

2. Provided public health input on threat assessment activities such as election and F1 intelligence.
3. Reviewed large venue, special events for public health concerns such as Las Vegas Marathon and local music festivals.
4. Participated in the weekly NFL GSOC.
5. Developed appropriate connections to increase communication between SNHD, SNCTC and its partner organizations.
6. Provided SNHD Disease Surveillance and Control with white papers from fusion center sources for situational awareness.
7. Produced and distributed event specific information on MPox Clade 1 and major chicken recall.
8. Providing SNHD IT management team with relevant threat data from Fusion Center sources.

**E. Grants and Administration:**

1. OPHP is awaiting Notice of no cost extensions from FY 2024.
2. Both the Manager and Supervisor continue to support special event planning in advance of Formula One Event in November and New Years Eve.
3. The OPHP Manager participated in several Extreme Heat debriefs with community partners and interviews with the media following the 2024 season. Several initiatives are in process of being planned for next summer.
4. Our Manager continues to collaborate and coordinate Basic Life Support training for SNHD licensed personnel with management and union to fund this required training.
5. OPHP Manager continues to participate in leadership training with SNHD contractor.
6. The Bi-Annual Employee performance evaluations completed with employees.
7. Manager continues to represent Community Health Division management on various SNHD working group committees.

**F. Medical Reserve Corps (MRC) of Southern Nevada:**

1. MRC Coordinator planned training and activities for upcoming months, sent out newsletters, and continues to recruit and deactivate volunteers.
2. The MRC Coordinator and one Volunteer attended Climate Resilience Fair to distribute preparedness information. This activity is associated with the Heat Lab Working group.
3. MRC Coordinator gave preparedness presentations to two nursing classes at Nevada State University.

**MRC Volunteer Hours FY2025 Q2**

(Economic impact rates updated April 2024):

<b>Activity</b>	<b>October</b>	<b>November</b>	<b>December</b>
<b>Training</b>			
<b>Community Event</b>	<b>5</b>		
<b>SNHD Clinic</b>			
<b>Total Hours</b>	<b>5</b>		
<b>Economic impact</b>	<b>\$167.45</b>		

**IV. VITAL RECORDS**

A. October is currently showing a 13% increase in birth certificate sales in comparison to October 2023. Death certificate sales currently showing a 12.3% increase in comparison to October 2023. SNHD received revenues of \$31,824 for birth registrations, \$22,373 for death registrations; and an additional \$7,930 in miscellaneous fees.

**COMMUNITY HEALTH Vital Statistics Program Birth/Deaths Registered – Fiscal Year Data**

Vital Statistics Services	October 2023	October 2024		FY 23-24 (October)	FY 24-25 (October)	
Births Registered	1,541	2,366	↑	6,911	8,640	↑
Deaths Registered	1,150	1,876	↑	6,014	7,305	↑
Fetal Deaths Registered	22	13	↓	65	61	↓

**COMMUNITY HEALTH Vital Statistics Program Birth/Deaths Certificates – Fiscal Year Data**

Vital Statistics Services	Oct 2023	Oct 2024		FY 23-24 (Oct)	FY 24-25 (Oct)	
Birth Certificates Sold (walk-in)	43	6	↓	190	32	↓
Birth Certificates Mail	120	108	↓	551	509	↓
Birth Certificates Online Orders	2,991	3,445	↑	15,081	14,584	↓
Birth Certificates Billed	114	140	↑	420	515	↑
<b>Birth Certificates Number of Total Sales</b>	<b>3,268</b>	<b>3,699</b>	<b>↑</b>	<b>16,242</b>	<b>15,640</b>	<b>↓</b>
Death Certificates Sold (walk-in)	23	14	↓	80	93	↑
Death Certificates Mail	164	133	↓	683	700	↑
Death Certificates Online Orders	7,153	8,095	↑	28,268	31,297	↑
Death Certificates Billed	30	36	↑	142	171	↑
<b>Death Certificates Number of Total Sales</b>	<b>7,370</b>	<b>8,278</b>	<b>↑</b>	<b>29,173</b>	<b>32,261</b>	<b>↑</b>

**COMMUNITY HEALTH Vital Statistics Program Birth/Deaths Cert. Sales by Source – Fiscal Year Data**

Vital Statistics Sales by Source	Oct 2023	Oct 2024		FY 23-24 (Oct)	FY 24-25 (Oct)	
Birth Certificates Sold Valley View (walk-in)	1.3%	.2%	↓	1.2%	.2%	↓
Birth Certificates Mail	3.7%	2.9%	↓	3.4%	3.3%	↓
Birth Certificates Online Orders	91.5%	93.1%	↑	92.9%	93.2%	↑
Birth Certificates Billed	3.5%	3.8%	↑	2.6%	3.3%	↑
Death Certificates Sold Valley View (walk-in)	.3%	.2%	↓	.3%	.3%	
Death Certificates Mail	2.2%	1.6%	↓	2.3%	2.2%	↓
Death Certificates Online Orders	97.1%	97.8%	↑	96.9%	97%	↑
Death Certificates Billed	.4%	.4%		.5%	.5%	

**COMMUNITY HEALTH Vital Statistics Program Birth/Deaths Certificates Sales – Fiscal Year Data**

Revenue	October 2023	October 2024		FY 23-24 (Oct)	FY 24-25 (Oct)	
Birth Certificates (\$25)	\$81,700	\$92,475	↑	\$406,050	\$391,000	↓
Death Certificates (\$25)	\$184,250	\$206,950	↑	\$729,325	\$806,525	↑
Births Registrations (\$13)	\$28,041	\$31,824	↑	\$139,477	\$131,846	↓
Deaths Registrations (\$13)	\$21,112	\$22,373	↑	\$84,136	\$93,587	↑
Convenience Fee (\$2)	\$6,416	\$7,240	↑	\$30,790	\$30,198	↓
Miscellaneous Admin	\$509	\$690	↑	\$2,204	\$2,741	↑
<b>Total Vital Records Revenue</b>	<b>\$322,028</b>	<b>\$361,552</b>	<b>↑</b>	<b>\$1,391,982</b>	<b>\$1,455,897</b>	<b>↑</b>

**COMMUNITY HEALTH Passport Program – Fiscal Year Data**

**B. PASSPORT SERVICES** – Passport Services is appointment only.

Applications	October 2023	October 2024		FY 23-24 (Oct)	FY 24-25 (Oct)	
Passport Applications	585	651	↑	2,646	2,436	↓

  

Revenue	October 2023	October 2024		FY 23-24 (Oct)	FY24-25 (Oct)	
Passport Execution/Acceptance fee (\$35)	\$20,475	\$22,785	↑	\$92,610	\$85,260	↓

**V. HEALTH EQUITY**

**A.** The Health Equity program received a No Cost Extension from the CDC COVID-19 Disparities Grant. This extension aims to enhance infrastructure support for COVID-19 prevention and control among underserved populations at higher risk and undeserved.

1. The program maintains collaborations with SNHD programs and grant subrecipients to plan and coordinate COVID-19 community strategies and events.

**B.** The Health Equity Program works toward reducing health disparities through increasing organizational capacity and implementing community strategies.

1. Our program facilitated two workshops on Communication and Language assistance to the FQHC staff in both the Decatur and Freemont clinics. with SNHD programs and grant subrecipients to plan and coordinate COVID-19 community strategies and events.

2. This same program participated in the 2024 Health & Wellness Fair sponsored by the Clark County Department of Aviation at the Harry Reid International Airport on October 9<sup>th</sup>, 2024.

**C.** The Health Equity Program works towards establishing community partnerships and collaborations to increase the capacity of communities to address health disparities.

1. The program continues to collaborate with Al Maun and Golden Rainbow to increase the capacity of the community to address health disparities through their diabetes



prevention and Management program and a food distribution program to address food insecurities.

**VI. SOUTHERN NEVADA PUBLIC HEALTH LABORATORY (SNPHL)**

**A. Clinical Testing:**

1. SNHD Nursing Division:
  - a. Molecular and microbiology culture.
  - b. Sexually Transmitted Disease (STD) testing.
2. SNHD STD Department:
  - a. Participates in the CDC Gonococcal Isolate Surveillance Project (GISP) and the enhanced Gonococcal Isolate Surveillance Project (eGISP).
  - b. SNPHL performs NAAT and culture testing of *N. gonorrhoeae* isolates and submits them to a reference laboratory for the determination of antibiotic susceptibility patterns.
  - c. SNPHL has joined eGISP Part B to expand culture-independent testing for antimicrobial resistance genes of gonococcal isolates.
3. The total monthly samples tested are listed in the table below:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	42	42
NAAT NG/CT	1582	1303
Syphilis	1022	873
RPR/RPR Titers	229/89	160/70
Hepatitis Total	2027	1341
HIV/differentiated	940/23	684/20
HIV RNA	143	104

4. COVID testing:
  - Performed SARS-CoV-2 PCR extraction on the KingFisher Flex platform exclusively.
  - SNPHL maintains a capacity of 2000 tests/day with a turnaround-time of <48 hours (current TAT two-day currently at / near goal).
  - For October, the average daily testing was 20 and the average turnaround time was 39 hours from collection date to release of the report.
  - IT created easy patient accession and direct report verification from SNPHL LIMS into SNHD patient report portal.
  - Incorporate high throughput instruments such as Eppendorf 5073 automation of specimen fluid handling station.

- Since the script problem of Tecan instrument cannot be resolved by manufacture, we asked SNHD Contracts and SNHD Purchasing to discuss with manufacture to return this instrument if it is feasible.

Monthly summary of COVID PCR/NAAT testing:

Month	# PCR & NAAT/#POS	COVID	# PCR & NAAT/#POS
January	1,144/148	July	716/166
February	1,160/77	August	1560/202
March	680/42	September	731/107
April	204/18	October	456/101
May	115/17	November	
June	365/77	December	

5. Reportable disease reports:

- SNPHL continues to perform routine testing of reportable disease specimens submitted by community stakeholders. Isolates tested are reported to OEDS on a weekly basis to aid in disease investigation, and SNPHL and OEDS coordinate with CDC PulseNet if required.
- A monthly summary of reportable diseases tests is listed as follows:

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Campylobacter	Campy ID	5	5	2	6	4	2	2	1	3	3			33
	Campy Screen	11	17	3	15	5	3	4	1	3	3			65
Neisseria species	Gonorrhoeae Culture	48	85	47	41	24	36	39	28	29	42			419
	Gram Stain/WBC	0	5	0	0	5	0	0	0	5	0			15
	Neisseria ID	0	0	0	0	1	1	1	0	0	0			3
	Haemophilus ID	7	0	2	1	0	0	0	0	0	0			10
Unknown ID	Bacterial ID	0	0	0	0	0	1	12	0	1	0			14
	WGS (PulseNet)	29	23	17	30	20	20	18	28	17	18			220

Salmonella	Salmonella Screen	14	10	12	19	12	15	14	14	11	10			131
	Salmonella Serotype	13	10	12	16	14	12	11	14	10	10			122
Shigella	Shigella Screen	10	10	4	10	6	3	3	5	4	5			60
	Shigella Serotype	7	10	2	3	5	3	2	4	1	4			41
STEC	STEC Screen	10	2	2	4	1	4	3	7	2	2			37
	STEC Serotype	1	1	1	0	1	2	1	5	1	1			14
Unknown	Stool Culture	5	6	2	0	6	0	0	5	5	7			36
Vibrio	Vibrio ID	0	0	1	0	0	0	0	3	0	0			4
	Vibrio Screen	0	0	1	3	0	1	0	5	0	0			10
Yersinia	Yersinia Culture/ID	1	2	1	0	0	0	0	0	1	0			5

**B. Epidemiological Testing and Consultation:**

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. There were two (2) cases for GI outbreak investigation in October.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In October, SNPHL performed 25 respiratory panels on the BioFire.

**C. Emergency response and reportable disease isolate testing report:**

1. SNPHL performs reportable disease isolate testing and confirmation. Isolates submitted by local laboratories are serotyped and/or confirmed by Whole Genome Sequencing; stored on-site; and results reported and/or samples submitted to CDC through various national programs; Public Health Laboratory Information System (PHLIS), National Antimicrobial Resistance Monitoring System (NARMS), and Influenza Surveillance, and PulseNet Bacterial Outbreak Surveillance.
2. SNPHL's additional mission is as a member of the CDC Laboratory Response Network (LRN) testing for the identification of potential biological weapons/agents on environmental daily samples within its unique BSL3 environment.

2024	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Select Agent Rule out (total PCR)	0	0	1	1	2	0	0	0	1	1		

3. SNPHL is clinically validated for using Whole Genome Sequencing (WGS) for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species. SNPHL is also validated for the determination of Salmonella serotypes and STEC (Shiga toxin-producing E. coli) serotypes and Shiga toxin genes.
4. SNPHL performed 18 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in October 2024.
5. SNPHL uses Bruker MALDI-TOF instrument for streamlined screening of bacterial isolates. A total # of 187 bacterial organisms have been identified in October.
6. SNPHL is validated for sequencing of SARS-CoV-2 and variants of concern through the identification of lineages and clades.
7. SNPHL has sustained capacity of sequencing many 86 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing, instrumentation, and method development. As of October 2024, SNPHL has sequenced 71 SARS-CoV-2-positive RNA extracts.
8. SNPHL is clinically validated for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species. SNPHL is also validated for the determination of Salmonella serotypes and STEC (Shiga toxin-producing E. coli) serotypes and Shiga toxin genes.
9. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

2024	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Legionella	29	6	13	11	58	96	75	37	37	56		

10. SNPHL provides vector testing for Environmental Services, Viral testing for Zika, West Nile, Western Equine Encephalitis, and Saint Louis encephalitis. Our facility hosted a CDC demonstration for the Vector team. In October, we tested a total of 333 mosquito pool samples. There were zero (0) positive WNV mosquito pool samples identified in October. Environmental Health released the test result to the public after we informed the test result to them.

11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in October, a total of 28 clinical isolates, *Neisseria gonorrhoeae* nine (9) isolates and *Neisseria meningitidis* four (4) isolate, were collected and will be sent to either the regional laboratory for antimicrobial susceptibility testing (AST) or the CDC, respectively. Remnant NAATs or *N. gonorrhoeae* samples will be sent to the CDC for molecular-based AST testing as part of eGISP Part B.
12. SNPHL performs *C. auris* PCR screening using Real-Time PCR platform. We performed a total of 2017 samples in October.

**D. All-Hazards Preparedness:**

1. SNPHL provides / assists testing for SNHD COVID Emergency Incident Response, local community outreach, CCDC jail-detention centers, institutions of higher education, and long-term nursing facilities Rapid-Antigen POC (CDC-EUA: Abbott IDNow; Qiagen Sofia; BD Vector) with outbreak confirmation RT-PCR testing supported by SNPHL.
2. SNPHL provides COVID Biosafety Training/Guidelines to Non-Traditional testing sites.
3. SNPHL coordinates with training/exercises for First Responders including local Civil Support Team, HazMat, Federal Bureau of Investigation, and Las Vegas Metropolitan Police Department.
4. SNPHL provides information to local laboratorians on CDC packaging and shipping infectious substances and the chain of custody procedures.
5. Provided onsite training for COVID online ordering applications for long-term care facilities.
6. Supplied Biosafety Guidance to Sentinel Sites regarding Monkeypox.
7. Furnished Monkeypox and Bivalent COVID Booster vaccination to laboratory staff.
8. Perpetual Biosafety Training and guidance to SNPHL personnel.

**E. October 2024 SNPHL Activity Highlights:**

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. Passed the proficiency test with CAP CM-B 2024 UA w/Body Fluid & Urine Sed Photos; CAP LPX-B; WSLH Legionella; CAP BCPV-C Blood ID; CAP FH9-C Hematology, earning a 100% grade.
3. The clinical health laboratory purchased three (3) instruments for clinical testing to enhance the community health service. SNPHL received the urine analysis and Hematology instruments. The validation for both instruments is being performed right now. The contract for clinical chemistry instruments is under development in the Contract Office.
4. The Board of Health has approved the petition to purchase a Clinical Chemistry instrument. The instrument was delivered to SNPHL on October 28, 2024.

5. According to the WGS and genomic data analysis, the Omicron variant KP.3.1.1 and KP.3.3 lineages are domain lineages in October, from the samples received in the laboratory. The new hybrid lineage XEC also detected in the late of August till present. Our laboratory will keep sequencing the closed contact samples to help ODS to follow up on the investigation.
6. The new influenza surveillance season just started in October. According to the data of influenza surveillance in the past flu season, the A/H3 and A/H1, and B/Victoria are major subtypes of influenza.
7. SNPHL participates in the CDC Avian Flu surveillance project by sending the testing guidance and specimen collection procedure to the local hospitals through HAN system. Any ICU patient with influenza A positive must send the specimen to our laboratory to do influenza subtyping in order to rule out avian influenza. There was no suspect avian flu sample received in the lab in October.
8. The new design may focus on building BSL-3 and Micro lab in the 2<sup>nd</sup> floor and leave semi shell for the first floor in the Phase I project. Eight (8) contractors visited SNPHL.
9. No Dengue was detected from Mosquito pool samples since early July 2024.
10. Outreach, the new electronic ordering system, formally GOLIVE on Wednesday, May 8<sup>th</sup>. We follow our schedule to visit the hospitals and long-term care facility onsite to introduce our system and provide the technical support for our clients.

**F. COMMUNITY HEALTH – SNPHL – Calendar Year Data**

October SNPHL Services	2023	2024	
Clinical Testing Services <sup>1</sup>	5,357	6,886	↑
Epidemiology Services <sup>2</sup>	1,173	41	↓
State Branch Public Health Laboratory Services <sup>3</sup>	0	0	↓
All-Hazards Preparedness Services <sup>4</sup>	8	7	↓
Environmental Health Services <sup>5</sup>	1,064	389	↓

<sup>1</sup> Includes N. Gonorrhoeae culture, GISP isolates, Syphilis, HIV, CT/GC molecular, Gram stain testing, and COVID Ab immunologic tests.

<sup>2</sup> Includes Stool culture, EIA, Norovirus PCR, Respiratory Pathogen PCR, Epidemiological investigations, or consultations.

<sup>3</sup> Includes COVID PCR, WGS, and LRN testing, proficiency samples, reporting to CDC, courier services, infectious substance shipments, teleconferences, training, presentations and inspections, samples submitted to CDC or other laboratories' submissions.

<sup>4</sup> Includes Preparedness training, teleconferences, and Inspections.

<sup>5</sup> Includes vector testing.