



Memorandum

Date: July 27, 2023

To: Southern Nevada District Board of Health

From: Michael Johnson, PhD, *Director of Community Health*
Fermin Leguen, MD, MPH, *District Health Officer* *FL*

MJ

Subject: Community Health Division Monthly Activity Report – June 2023

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

A. Chronic Disease Prevention Program (CDPP)

The 2023 Move Your Way Summer Initiative began in April to encourage physical activity throughout the summer. In May, a press release and social media campaign to promote the initiative launched. Two (2) MYW activities also occurred. The Slide into Summer Event and School's Out Celebration event reached over 900 people. The initiative is also being promoted in Spanish in partnership with Promotoras Las Vegas. In May, Promotoras attended seven (7) events reaching the Hispanic community to distribute information and resources. In total, nearly 900 people attended these events.

In May, CDPP launched the annual Soda Free Summer initiative to encourage reduction or elimination of sugary beverages. The initiative is promoted to the Hispanic community (Verano Sin Soda). In May, a media campaign in Spanish launched to promote healthier beverages. A press release was also issued and generated an earned media interview with LVRJ Español. In May Promotoras participated in six (6) events to promote healthy beverages and provide information and resources. In total, 850 visited our healthy beverage booth at these events.

CDPP staff are working with RTC and Prevail Marketplace to plan and implement six (6) markets during 2023. The first Pop Up Produce Stand was held in May at the RTC's Bonneville Transit Center. SNHD developed a promotional campaign that ran again in April in advance of the May market. Reusable grocery bags with partner logos were provided to customers at each market.

Our CDPP Team sponsors the CCSD Safe Routes to School (SRTS) program. In May, 14 schools (1,320 students) participated in the Bike and Roll to School Day as part of Bike Month. In

addition, CCSD SRTS program hosted the Achievement Level Program end of year celebration. CCSD recognized 28 SRTS Champion Schools along with several supporting community partners.

The CDPP staff scheduled two (2) grocery store tours at Marketon grocery store. The first tour was held in May with 11 participants. Participants took a tour of the grocery store and were provided with information on how to shop healthy on a budget provided in each major section of the grocery store. Participants received educational and promotional items on various nutritional topics. A second tour is scheduled for June.

B. Tobacco Control Program (TCP)

In May, 20 local businesses expanded or implemented new tobacco policy. Staff provided technical assistance and offered signage to support policy implementation.

This month, SNHD programs were promoted at the Clark County Medical Society (CCMS) networking event. This event was open to all CCMS medical students, residents, and physician members (over 100 attendees). Content to promote smoke-free policies and cessation in health care settings was also shared in the May 2023 issue of Mental Health Spectrum.

Also in this month SNHD's Because We Matter (African American/Black) initiative collaborated with ten (10) local faith-based organizations for No Menthol May. Staff provided educational material, brand promotional items, and outreach visits to educate community leaders and members on population-specific tobacco issues, flavoring in tobacco products, menthol tobacco product risks, and harm to African Americans. This program reached 2,500 people.

The SNHD Tobacco program sponsored and partnered with Clark County Parks and Recreational for the 33rd Jazz in the Park series running May 13th to June 10th. This community event is primarily attended by African Americans in Clark County and consists of 5 event dates. Staff provided educational material on tobacco-related topics, including vaping, flavoring, and menthol, and promoted the Nevada Tobacco Quitline to attendees at all five (5) events. Total people in attendance 40,000.

Staff collaborated with Mexican Patriotic Committee to promote a tobacco-free lifestyle at the annual Cinco de Mayo celebration held at the Lorenzi Park. Staff also participated in an event hosted by commissioner Marylin Kirkpatrick at Bob Price Recreational Center. Culturally appropriate tobacco cessation resource flyers were distributed at event entrance. The event was smoke and vape-free. No smoking and no vaping signage was posted throughout event grounds as friendly reminders. Announcements promoting the Nevada Tobacco Quitline were done in English and Spanish throughout the duration of event. There were over 1,600 event attendees.

C. Other Efforts

OCDPHP has received additional funding from the CDC to support COVID and flu vaccine education and delivery among our REACH grant priority populations (African Americans and Hispanics). OCDPHP staff are working with community partners to train influential messengers in the community, promote vaccine update and increase accessibility to vaccines among these populations. During May:

- To date, 332 community-level spokespersons have been trained.
- Eight (8) community events to distribute information and promote vaccination occurred in reaching 1,172 individuals.
- No new pop-up vaccine clinics were offered however, 19 people received a COVID-19 vaccine and two (2) people received a flu vaccine at existing sites. A total of 5,898 vaccines have been provided to date through these efforts.
- A new media campaign highlighting changes that will occur as a result of the end of the public health emergency declaration and to encourage vaccination among priority populations began airing in May. In May, the campaign reached 14,973 people.

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

A. June Meetings:

1. 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.

This committee has continued its review of the Paramedic Mentorship/Internship Program.

2. 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 continued working on proposed revisions to the Clark County EMS Emergency Medical Care Protocols.

3. 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. MAB members include: 1) One medical director of each firefighting/franchised agency; 2) One 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 approved changing the scope of practice to allow AEMTs to perform pediatric IO's and to administer Epinephrine 1:10,000 in adult cardiac arrest. MAB also approved changing

the scope of practice to allow EMTs to perform vascular access. This will require an additional endorsement to the license.

B. OEMSTS – June 2022 / 2023 Data

June EMS Statistics	June 2022	June 2023	
Total certificates issued	72	74	↑
New licenses issued	58	68	↑
Renewal licenses issued (recert only)	2	3	↑
Driver Only	17	30	↑
Active Certifications: EMT	822	886	↑
Active Certifications: Advanced EMT	1662	1754	↑
Active Certifications: Paramedic	1886	1957	↑
Active Certifications: RN	59	64	↑

III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)

A. Planning and Preparedness

1. OPHP staff began planning for a full-scale exercise to be conducted in October 2023.
2. This trained team corroborates with community and hospital partners, by hosting and attending community meetings virtually.
3. OPHP extensively works with the SNHD contractor to develop the regional and SNHD COVID After Action Report.
4. Our personnel have avidly been planning with community partners for the upcoming Formula 1 and Super Bowl LVIII special events.
5. The OPHP Team is identifying a vendor to conduct a recovery seminar and workshop on June 1, 2023.

B. PHP Training and PH Workforce Development:

1. Internally, we provide Employee Fit Testing: Essential SNHD staff continue to receive respirator fit testing. 23 Fit tests completed.
2. Developed training manuals for OPHP to use for ICS training. Beginning to work with PHP trainers to come up with a training program for SNHD staff in ICS roles.
3. Began renewal of interlocal agreement with Clark County School District for facility use.
4. Participated in EOP reviews for Nevada State High School and Beacon Academy. Placed both schools in contact with Epi for Naloxone.

5. Completed draft versions of position specific task books for command and general staff. Also began the revision process after review with OPHP trainers.
6. Coordination for upcoming First Regional Decontamination Training (Sunrise Hospital and Valley Hospital) in BP 5.
7. Ongoing support to Superbowl FSE October 12th – 14th. Planning meetings and training plan development.
8. Review and updating of SNHPC Plans – COOP and By-Laws.
9. HPP meeting with Senior Planner on HPP activities closeout for BP 4.
10. Attended Public Health Disaster and Recovery Planning Seminar on June 1st.
11. Training with Nevada Department of Foundations of Emergency Management Emergency Instructor Cadre the week of June 5th – 8th at CCFD Administration.
12. FEMA Hospital Emergency Response Team update training.
13. Supported Western Regional Alliance for Pediatric Emergency Management (WRAP-EM) meetings: Emerging Issues, COVID, Weekly all hands meetings.
14. Supplied support with patient tracking and family reunification project with Clark County OEM.
15. Assisted for F1 and Superbowl planning with Clark County OEM.
16. Planning for the upcoming Superbowl Full-Scale Anthrax exercise continues. This exercise will take place October 12th with a Lab/Epi/BioWatch component. October 14th OPHP will stand up a through-put exercise at the Thomas and Mack Events Center. The MSEL was held on June 6th.
17. Our Senior Planner spoke at the Management Steering Committee regarding a need to update the COOP Plan. This project was supported, and training and plan updates will be made. This is a continuing project.
18. The Senior Planner continues to update expired MOUs with Marquis Care Center, NV Energy, Valley, Centennial, and Henderson Hospital, and Torrey Pines Care as renewal contracts this month. OPHP is in the process of agreements with two (2) new facilities.
19. June 1st Attended SNHPC Meeting and reported on Gap Analysis conducted for Recovery TTX 2021. Attended Recovery Seminar hosted by SNHD presented by IEM. PHP Planner 1 administrative duties.
20. June 5th – 9th Attended FEMA EMI Basic Academy at the Clark County Multi-Agency Coordination Center. PHP Planner 1 administrative duties.
21. June 5th CRI Planner I attended the FEMA Basic Academy L0101 course and was named the NV006 Cohort President.
22. June 12th Started Situation Manual and held initial planning meeting for HAC/MSST Tabletop scheduled September 26th.
23. June 13th Completed several components of the jurisdictional risk assessment by contacting relevant emergency managers and subject matter experts. I also completed impact forms utilizing the County THIRA.
24. June 13th Held mid-term planning meeting for HAC/MSST Tabletop. Continued working on Situation Manual and necessary documents needed for HAC/MSST Tabletop.

25. June 14th Continued working on necessary documents needed for HAC/MSST Tabletop. PHP Planner 1 administrative duties.
26. June 15th Attended NVDEM WebEOC training course. PHP Planner 1 administrative duties.
27. June 20th – 21st PHEP/CRI staff attended TEEX Medical Countermeasures training course at North Las Vegas OEM.
28. June 20th – 21st HPP staff attended TEEX Medical Countermeasures training course at North Las Vegas OEM.
29. Completed the position specific handouts for Incident Command, Planning and Operations Section Chiefs. These will be used by trainers to create a training program for incident command roles.
30. June 22nd Met with Nevada Division of Emergency Management to discuss upcoming exercises.
31. June 26th Review SNHPC Coop Plan. Attended PHP all-staff meeting.

C. Hospital Preparedness Program (HPP): OPHP dispensed a Hospital Preparedness Program Liaison

1. Preparation activities for the August 3rd SNHPC workshop with the Readiness and Response Coordinator including exercise scenario, injects, and speakers.
2. Training meeting with First Receiver Decontamination Training Instructor Cadre to review and edit of training modules and class agenda.
3. Preparation activities for July 6th SNHPC meeting-agenda and PowerPoint, documents/plans for review.

D. Grants and Administration:

1. OPHP staff are working with the State Division of Public and Behavioral Health on carryforward from Budget Period three (3) for both the HPP and PHEP grants.
2. OPHP staff are working with the Division of Emergency Management to submit the UASI grant application to maintain a public health analyst at the Southern Nevada Counterterrorism Center.

E. Medical Reserve Corps (MRC) of Southern Nevada: MRC Volunteers staffed a blood pressure screening station and provided general assistance at the North Las Vegas Fire Station 51 Open House on May 10th. One MRC Volunteer assisted at the SNHD Immunization Clinic for two weeks. Our MRC Coordinator planned training and activities for upcoming months, sent out newsletters, and continues to recruit and deactivate volunteers. MRC Coordinator attended monthly NACCHO MRC and PPAG Workgroup meetings, as well as SNHPC.

MRC Volunteer Hours FY2023 Q4

(Economic impact rates updated June 2023):

Activity	April	May	June
First Aid Station	8.5		
Preparedness Exercise	32		
Community Event/BP		21	
SNHD Immunization Clinic		36	
Total Hours	40.5	57	
Economic impact	\$1,226.49	\$1707.15	

IV. VITAL RECORDS

A. June 2023 is currently showing .65% increase in birth certificate sales in comparison to June 2022. Death certificate sales currently showing an 11% decrease in comparison to June 2022. SNHD received revenues of \$37,297 for birth registrations, \$21,814 for death registrations; and an additional \$8,943 in miscellaneous fees.

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

Vital Statistics Services	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Births Registered	2,082	1,823	↓	24,810	23,786	↓
Deaths Registered	1,914	1,665	↓	24,396	21,275	↓
Fetal Deaths Registered	21	21		199	202	↑

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

Vital Statistics Services	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Birth Certificates Sold (walk-in)	45	3	↓	292	342	↑
Birth Certificates Mail	121	176	↑	1,393	1,576	↑
Birth Certificates Online Orders	3,965	3,998	↑	46,039	45,169	↓
Birth Certificates Billed	140	122	↓	1,186	1,275	↑
Birth Certificates Number of Total Sales	4,271	4,299	↑	48,910	48,362	↓
Death Certificates Sold (walk-in)	15	12	↓	274	196	↓
Death Certificates Mail	119	157	↑	1,652	2,007	↑
Death Certificates Online Orders	8,401	7,331	↓	113,355	96,653	↓
Death Certificates Billed	35	59	↑	627	428	↓

Death Certificates Number of Total Sales	8,570	7,559	↓	115,908	99,284	↓
---	-------	-------	---	---------	--------	---

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

Vital Statistics Sales by Source	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Birth Certificates Sold Valley View (walk-in)	1.1%	.1%	↓	.6%	.7%	↑
Birth Certificates Mail	2.9%	4.1%	↑	2.9%	3.3%	↑
Birth Certificates Online Orders	92.8%	93%	↑	94.1%	93.4%	↓
Birth Certificates Billed	3.3%	2.8%	↓	2.4%	2.6%	↑
Death Certificates Sold Valley View (walk-in)	.2%	.2%		.2%	.2%	
Death Certificates Mail	1.4%	2.1%	↑	1.4%	2%	↑
Death Certificates Online Orders	98%	97%	↓	97.8%	97.4%	↓
Death Certificates Billed	.4%	.8%	↑	.5%	.4%	↓

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

Revenue	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Birth Certificates (\$25)	\$106,775	\$107,475	↑	\$1,222,750	\$1,209,050	↓
Death Certificates (\$25)	\$214,250	\$188,975	↓	\$2,897,700	\$2,482,100	↓
Births Registrations (\$13)	\$39,806	\$37,297	↓	\$462,371	\$446,004	↓
Deaths Registrations (\$13)	\$24,752	\$21,814	↓	\$328,679	\$277,082	↓
Convenience Fee (\$2)	\$8,378	\$8,208	↓	\$90,208	\$96,654	↑
Miscellaneous Admin	\$756	\$735	↓	\$10,895	\$8,180	↓
Total Vital Records Revenue	\$394,717	\$364,504	↓	\$5,012,603	\$4,519,070	↓

*Numbers will change once stable

COMMUNITY HEALTH Passport Program – Fiscal Year Data

B. PASSPORT SERVICES – Passport Services is appointment only. Passport photos remain suspended.

Applications	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Passport Applications	585	863	↑	7,837	9,549	↑
Revenue	June 2022	June 2023		FY 21-22 (June)	FY 22-23 (June)	
Passport Execution/Acceptance fee (\$35)	\$20,475	\$30,205	↑	\$274,295	\$334,215	↑

V. HEALTH CARDS

A. Food Handling / Health Cards:

1. Same-day appointments for food handler cards, which were introduced June 5 daily across all five testing locations in an effort to better assist clients in immediate need of a card, have reduced no-show rates from an average of 35% to a mere 14%.
2. Continuing a trend first observed in May, we continue to process more first-time cards than renewed cards (online and in-person combined). Among those who took and passed our test in June, 60% were first-time cardholders while 40% were renewing clients.
3. For the month of June, we averaged 40 “passing and paying” online renewal clients per day, with a total of 1,185 clients renewing online, a 15% decrease since May and a 74% decrease since the peak.

B. Body Art Cards

1. Body Art Mentors are actively using the new mentor-dedicated email address to submit any questions or requests related to their apprentices’ cards, which has improved how we receive and address such concerns.

D. Other

1. An additional employee has been hired to serve as the receptionist at our Decatur public health center starting in early August. The temporary employee currently in that role has been extended throughout July.

<u>CLIENTS SERVED</u>	June 2023	May 2023	April 2023	Mar 2023	Feb 2023	Jan 2023
FH Cards – New	5,118	4,705	4,035	4,539	3,953	3,698
FH Cards – Renewals	2,232	2,605	2,619	3,294	3,312	4,143
FH Cards – Online Renewals	1,185	1,398	1,754	3,004	3,563	4,513
Duplicates	328	312	306	382	362	406
CFSM (Manager) Cards	293	271	257	320	264	315
Re-Tests	1,232	1,165	1,242	1,471	1,238	1,513
Body Art Cards	102	117	115	83	80	77
TOTALS	10,490	10,573	10,328	13,093	12,772	14,665

VI. HEALTH EQUITY

- A. The Health Equity program received a No Cost Extension from the Center for Disease Control to build, leverage, and expand infrastructure support for COVID prevention and control among populations that are at higher risk and underserved.
 - 1. The program continues to collaborate with SNHD programs and grant subrecipients to plan and coordinate COVID community strategies and events.
- B. The Health Equity Program works towards reducing health disparities through increasing organizational capacity and implementing community strategies.
 - 1. June 13, 2023, Health Educator, Crystal Montgomery, presented on the National Culturally and Linguistically Appropriate Services Standards focusing on governance, leadership, and workforce at the bimonthly leadership/management/supervisor staff meeting.
 - 2. June 20, 2023, the Health Equity program participated in the World Refugee Day outreach event hosted by Catholic Charities of Southern Nevada. This event anticipated 700 participants and the HE Program provided information on resources available at SNHD.
 - 3. June 21, 2023, Cynthia Mora, our Health Educator, trained NV Hands staff on the topic of Community Introduction to Health Equity.
 - 4. June 29, 2023, the Health Equity program ended its collaboration with SNHD's Community Clinic and the City of Las Vegas' health literacy program. This program hosted and provided training to three (3) temporary community health workers. At the end of the program, one (1) community health worker was hired as a permanent SNHD employee.

VII. SOUTHERN NEVADA PUBLIC HEALTH LABORATORY (SNPHL)

A. Clinical Testing:

- 1. The SNHD Nursing Division: molecular and microbiology culture, Sexually Transmitted Disease (STD) testing.
- 2. SNHD STD department: the CDC Gonococcal Isolate Surveillance Project (GISP) as well as enhanced Gonococcal Isolate Surveillance Project (eGISP). SNPHL performs NAAT and culture testing of *N. gonorrhoeae* isolates and submits isolates to a reference laboratory for the determination of antibiotic susceptibility patterns. SNPHL has also joined eGISP Part B to expand culture-independent testing for antimicrobial resistance genes of gonococcal isolates.
- 3. A total monthly samples tested is listed in the following table:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	75	62
NAAT NG/CT	1178	1089
Syphilis	1008	977
RPR/RPR Titers	185/95	199/93
Hepatitis Total	1000	752
HIV/differentiated	712/15	617/14
HIV RNA	67	65

4. COVID testing:

- SARS-CoV-2 PCR extraction is currently performed on the KingFisher Flex platform only.
- SNPHL is to maintain the capacity of 2000 tests /day with a turnaround-time of <48 hours (TAT 2Day- currently at / near goal).
- For June, the average daily testing was 100 and the average turnaround time was 30 hours days for PCR testing from the collection date to the release of the test report. The average laboratory total test for SARS-CoV-2 using Panther Aptima NAAT testing is 58 tests per week.
- 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

A monthly summary of COVID PCR/NAAT testing is listed as follows:

Month	# PCR& NAAT/#POS	COVID	# PCR\$ NAAT/#POS
January	8775/722	July	
February	6614/542	August	
March	6676/497	September	
April	5174/4335	October	
May	4544/244	November	
June	2103/136	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	3	7	2	7	7	10							
	Campy Screen	7	10	6	10	11	12							
Neisseria species	Gonorrhoeae Culture	70	66	34	56	71	75							
	Gram Stain/WBC	0	0	0	5	0	0							
	Neisseria ID	0	0	0	0	0	5							
	Haemophilus ID	0	0	8	2	3	0							
Unknown ID	Bacterial ID	0	0	0	3	0	0							
	WGS (PulseNet)	24	21	24	33	36	37							
Salmonella	Salmonella Screen	16	14	13	17	25	26							
	Salmonella Serotype	15	10	12	17	25	21							
Shigella	Shigella Screen	4	7	10	10	4	6							
	Shigella Serotype	4	5	12	3	3	3							
STEC	STEC Screen	4	0	7	8	1	5							
	STEC Serotype	4	0	1	2	1	3							

Unknown	Stool Culture	3	14	2	4	5	0							
Vibrio	Vibrio ID	0	1	0	0	0	3							
	Vibrio Screen	0	0	1	1	0	6							
Yersinia	Yersinia Culture/ID	0	0	1	0	2	0							

B. Epidemiological Testing and Consultation:

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. There were zero cases for GI outbreak investigation in June.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In June, SNPHL performed 23 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.

2023	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Select Agent Rule out (total PCR)	0	0	2	2	1	0						

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 36 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in June 2023.

5. SNPHL has completed validation for all bacterial groups on the Bruker MALDI-TOF instrument for streamlined screening of bacterial isolates, to decrease turnaround time and modernize microbiological identification methods.
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 192 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing, instrumentation, and method development. As of June 2023, SNPHL has sequenced 66 SARS-CoV-2-positive RNA extracts. The new Laboratory Technologist and Laboratory Assistant have completed their training and have been aiding in SARS-CoV-2 sequencing.
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.

2023	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Legionella	7	1	24	8	0	8						

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 June, we test a total of 430 mosquito pool samples. Two positive WNV mosquito pool samples were identified. 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 June, a total of 75 clinical isolates, Neisseria gonorrhoeae 15 isolates and Neisseria meningitidis three (3) isolates, 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.

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. Perpetuated Biosafety Training and guidance to SNPHL personnel.

E. May 2023 SNPHL Activity Highlights:

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. SNPHL received the renewal letter from CLIA Certificate of Compliance. The expiration date for the new certificate is April 11, 2025.
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. At this time, the validation for both instruments have began.
4. SNPHL is working with CDC to develop an Electronic Laboratory Reporting (ELR) system for Monkeypox testing. This system allows us to report the MONKEYPOX testing report to CDC promptly. Currently, we are using a laboratory Network System to report the result which is time-consuming and labor intensive.
5. We are in the process of backfilling the position for the senior lab tech in the Microbiology Laboratory.
6. Emergency Response laboratory started to validate the warrior panel and verification process with CDC.
7. According to the WGS and genomic data analysis, the Omicron variant XBB.1.5 and XBB.1.16, lineages are domain lineage, 19% and 41% respectively, in June, from the samples received in the laboratory. Our laboratory will keep sequencing the closed contact samples to help ODS to follow up on the investigation.

8. SNPHL still remain the service for the Monkeypox testing for the residents of Clark County even the ICS for Monkeypox has been demobilized.
9. According to the data of influenza surveillance in this flu season, the A/H3 and A/H1 are major subtype of influenza and the percentage of ratio between two subtypes are 80% and 20%, respectively.
10. 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
11. There are safety concerns for the SNPHL facility security camera upgrade which is currently under process by Facilities. The facility team will provide the quotation for us. This project will replace the current surveillance cameras and software system to enhance the quality of images and cover more areas of the laboratory building.
12. Currently our BSL-3 laboratory has detected a total of 46 possible Monkeypox cases. Those presumptive samples have been sent to CDC this week to CDC for a confirmation test. There hasn't been any Monkeypox cases received since May 2023.

F. COMMUNITY HEALTH – SNPHL – Calendar Year Data

May SNPHL Services	2022	2023	
Clinical Testing Services ¹	5,703	5,041	↓
Epidemiology Services ²	962	2,180	↑
State Branch Public Health Laboratory Services ³	11,924	262	↓
All-Hazards Preparedness Services ⁴	7	12	↑
Environmental Health Services ⁵	450	430	↓

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

² Includes Stool culture, EIA, Norovirus PCR, Respiratory Pathogen PCR, Epidemiological investigations, or consultations.

³ 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.

⁴ Includes Preparedness training, teleconferences, and Inspections.

⁵ Includes vector testing