




# Memorandum

**Date:** August 24, 2023

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

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

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**Subject:** Community Health Division Monthly Activity Report – July 2023

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

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

The 2023 Move Your Way activities continued in the community. CDPP worked with local jurisdictions to host free family pool days. To date, our CDPP team and partners have participated in 12 events and over 2,000 people have been affected through our initiative activities. This initiative will continue through early August.

The Soda Free Summer/Verano Sin Soda initiative also continued in June. The CDPP staff and partners have participated in nine (9) community events to distribute pledge cards, education, and promotional materials to date. Over 1,200 people have visited our outreach booth at these events. Our initiative is supported by a media campaign in Spanish and runs through early August.

CDPP, RTC, and Prevail Marketplace hosted a Pop-Up Produce Stand in June at the RTC's Bonneville Transit Center. The Pop-Up Produce stands offer affordable, regionally grown fruits and vegetables and accept SNAP and Senior Farmer Market Nutrition Program (SFMNP) coupons. The June market sold over 2,000 lbs. of produce with 48% of all sales being SNAP/EBT or SFMNP coupons. Produce Stands are on summer break until September.

Team CDPP partnered with Marketon grocery store in May and June to provide two (2) grocery store tours in Spanish by our bilingual Registered Dietitian. Participants received information on how to shop healthy on a budget, how to eat for good health, and how to read a food label. Participants also received educational materials to support healthy eating. 15 people participated.

To encourage physical activity, the CDPP partnered with the City of Henderson (COH) to host Tail Hunt (geocaching) activities. Trail hunt treasure boxes were placed along trails and in parks around Henderson. Participants searched for the treasure boxes and sent pictures to COH once they found them to be eligible for a prize drawing. Nearly 100 families participated in the activity.

A 4-session Faithful Families class was provided in Spanish during June at 3RA Iglesia Apostolica de la Fe en Cristo Jesus. Over ten (10) people registered, and eight (8) people completed the course by attending each class. The class provides education on physical activity and healthy eating and is developed specifically for implementation in places of faith. CDPP staff worked with Promotoras to teach the class sessions.

CDPP worked with the City of Henderson (COH) to launch a pilot project to increase access to healthy foods for low-income seniors. As part of the project, a free shuttle provides transportation from 2 downtown senior centers to a Henderson farmers market that accepts SNAP and SFMNP coupons as well as vouchers provided by COH. As a result of the effort, the COH has relocated the downtown farmers market to a location across the street from one of the senior centers to increase accessibility. Since launching, the voucher redemption rate among low-income seniors participating in the program has increased from 14% in 2022 to 95% in 2023 and over 100 seniors have utilized the transportation shuttle. COH plans to permanently relocate the farmers market and sustain the transportation service.

As part of Commissioner Kirkpatrick's Pathway from Poverty initiative, CDPP is supporting the new After Market and food pantry which had a grand opening in June. The After Market is located in a food desert and is run by the Foundation Christian Center. It is a fully stocked market that also has a food pantry on site. CDPP provided support to purchase additional refrigeration, a point of service machine (so SNAP benefits could be accepted) and is assisting with promotional activities. In addition, CDPP has provided the After Market with bus passes to provide to customers who do not have transportation to the market.

The CDPP's Barber Shop Health Outreach Program (BSHOP) hosted another 'Shop Talk' event in June to commemorate Men's Health Month. The theme for Shop Talk was 'Healthcare is Self-Care'. Nine expert panelists from primary care, mental health, fitness and nutrition, and the faith community shared their expertise and experiences with cardiovascular disease and also provided tips on how to access preventive care, what to expect and how to prepare for a PCP visit as well as the correlation between mental health and cardiovascular disease. Commissioner William McCurdy provided the opening remarks. State Senator Dina Neal was also in attendance. Participants were offered free blood pressure screenings and health education materials. Over 50 people attended the event.

CDPP staff hosted the annual meeting of the BSHOP and BeSHOP (Barber/Beauty Shop Health Outreach Program) partners in June. Representatives including owners, barbers and stylists attended. CDPP staff provided an overview of the success of the program including screening totals from the past project year and relevant outcomes. Fourteen local, Black-owned barber and beauty shops participate in the BSHOP and BeSHOP program and host blood pressure and prediabetes screenings at their shops.

As part of our partnership to support the Healthy Kids Maps program, 200 children participated in the program at a Summer Camp at one of 4 YMCA locations in June. The program teaches children about the importance of healthy eating and being physically active.

This quarter, CDPP staff provided 1 in person Diabetes Self-Management, Education & Support (DSMES) class and 1 virtual DSMES class. Sixteen people registered and 15 of the 16 completed their class.

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

In June, TCP staff distributed vaping prevention training toolkits to every CCSD high school principal and assistant principal. Additionally, staff coordinated a virtual panel discussion of high school students, school administrators, coaches, and teachers to provide insight into the youth vaping epidemic. The virtual webinar was open to community members and partners.

The TCP's 'Because We Matter' initiative partnered with Clark County Parks and Recreation for the 33rd Jazz in the Park series which ran in May and June. This community event is primarily attended by African Americans and consists of multiple event dates. Staff provided educational material on tobacco-related topics, including vaping, flavoring, menthol, and promoted the Nevada Tobacco Quitline to attendees at all events. Over 40,000 people attended the events.

Other outreach by the SNHD TCP's 'Because We Matter' initiative included partnerships with Eta Chi Sigma's (Sigma Gamma Rho) Southern Nevada Neighborhood Awards, and Rainbow Dreams Academy's Las Vegas Juneteenth Festival. Staff provided resources about voluntary tobacco policy adoption, cessation, and general education about the burden of tobacco use to African Americans and the Black community. Over 30,000 people participated in these activities.

This month, 20 businesses implemented and/or expanded their smoke and vape free policy. TCP staff provided technical assistance including model policy language, signage, and educational materials for patrons and staff to support policy implementation.

#### **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 June:

- To date, 332 community-level spokespersons have been trained.
- Two (2) community events to distribute information and promote vaccination occurred in reaching 335 individuals.
- Four (4) new pop-up vaccine clinics were offered however, 14 people received a COVID-19 vaccine. A total of 5,912 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. To date this campaign has reached 1.6 million people.

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

**A. July 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 worked on the development of an education program for the Paramedic Mentorship/Internship Program.

**2. Regional Trauma Advisory Board (RTAB)**

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.

The Board reviewed the 1st Quarter 2023 trauma transport data, announced the posting of the 2022 Annual Trauma Report, and approved the submission by Mike O’Callaghan Military Medical Center as a Level III Trauma Center.

**B. OEMSTS – July 2022 / 2023 Data**

June EMS Statistics	July 2022	July 2023	
Total certificates issued	47	84	↑
New licenses issued	40	73	↑
Renewal licenses issued (recert only)	0	0	=
Driver Only	28	30	↑
Active Certifications: EMT	842	909	↑
Active Certifications: Advanced EMT	1675	1777	↑
Active Certifications: Paramedic	1908	1973	↑
Active Certifications: RN	62	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. 73 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. The SNPHC Clinical Advisor reviewed and updated the SNHPC Charter. We have ongoing participation in the Western Regional Alliance for Pediatric Emergency Management weekly meetings: Emerging Infectious Disease, where we handle patient tracking. We have continuous engagement with the Clark County Multiagency Victim Database Project meetings. We demonstrate perpetual support for activities preparing for Formula 1 and the Superbowl.
4. Our Senior Planner continues planning for the upcoming Full-Scale Anthrax Exercise to take place October 12<sup>th</sup> – 14<sup>th</sup>.
5. We collaborated with auxiliary players to support their objectives for this exercise as well as support the SNHD mission.
6. July 3<sup>rd</sup> Our PHP Planner I made strides on HAC/MSST Tabletop. Here we began reviewing SNHPC Pediatric Surge Annex.
7. July 5<sup>th</sup> 1-on-1 meeting with PHP Supervisor. Continue reviewing SNHPC Pediatric Surge Annex. PHP Planner I administrative duties.
8. July 6<sup>th</sup> Attended SNHPC meeting to make progress on the HAC/MSST Tabletop PHP & Planner I administrative duties.
9. July 10<sup>th</sup> Began review of SNHPC Response plan with PHP Planner I administrative duties.
10. July 11<sup>th</sup> Attended the 2023 National Access and Functional Needs Symposium.
11. July 12<sup>th</sup> Provided input for the Public Health Emergency Preparedness Association - Preparedness Coordinator Focus group.
12. July 12<sup>th</sup> Attended and participated in the Quality Improvement Council meeting.

13. July 12<sup>th</sup> Completed Planning Section Chief handbook for PHP trainers to begin building an SNHD specific incident response roles training.
14. July 12<sup>th</sup> Attended the 2023 National Access and Functional Needs Symposium. Attended Psychological First Aid by Clark County.
15. July 13<sup>th</sup> Attend Emergency Preparedness Committee Meeting at UMC. Attend LAS After Hours Alert 5 emergency response tabletop exercise.
16. July 14<sup>th</sup> Participated in Nevada State Health Improvement Public Health Infrastructure subcommittee workgroup. Report and recommendations to governor should be made soon.
17. July 17<sup>th</sup> Attended L102 Science of Disaster and L103 Planning FEMA Basic Academy courses.
18. July 24<sup>th</sup> Provided final input for Beacon Academy Emergency Operations plan as the public health representative. Also connected them with the OD2A program to provide overdose prevention training through Epi.
19. July 24<sup>th</sup> Attended NEMAA Basic Academy L 102/103.
20. July 24<sup>th</sup> – July 31<sup>st</sup> Worked on materials needed for SNHPC August Workshop.
21. July 26<sup>th</sup> Met with State Division of Emergency Management.
22. July 27<sup>th</sup> Attended the Integrated Preparedness Planning Workshop for DPBH.

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

1. MSST /SNHD/Trauma Centers: Preparation for SNHPC August 3 Workshop at the Wetlands.
2. Participated in the Local Emergency Planning Committee (LEPC) special meeting.
3. Attended the Psychological First Aid training at LVMPD.
4. Encountered the on new NHA patient tracking platform presentation.
5. Cooperated in the Medical Preparedness and Response for Bombing Incidents (MGT-348) @ the VA July 18<sup>th</sup> – July 19<sup>th</sup>.
6. Collaborated in the UMC Emergency Management Committee meeting.
7. Facilitated the ICS 300 with City of Las Vegas Training Cadre at North Las Vegas Fire Administration July 24<sup>th</sup> – July 25<sup>th</sup>.
8. Achieved the ASPR training on the Medical Response and Surge Exercise updates.
9. Collaboration with Response and Readiness Coordinator re: BP 5 activities.

**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 June 10<sup>th</sup>. 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	17.5	
Community Event/BP			21
SNHD Immunization Clinic			36
<b>Total Hours</b>	<b>40.5</b>	<b>17.5</b>	<b>57</b>
<b>Economic impact</b>	<b>\$1,226.49</b>	<b>\$524.13</b>	<b>\$1707.15</b>

**IV. VITAL RECORDS**

- A. July 2023 is currently showing 12.3% increase in birth certificate sales in comparison to July 2022. Death certificate sales currently showing an 15% decrease in comparison to July 2022. SNHD received revenues of \$37,843 for birth registrations, \$20,046 for death registrations; and an additional \$8,829 in miscellaneous fees.

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

Vital Statistics Services	July 2022	July 2023		FY 21-22 (July)	FY 22-23 (July)	
Births Registered	1,988	1,814	↓	2,047	1,814	↓
Deaths Registered	1,678	1,577	↓	1,678	1,577	↓
Fetal Deaths Registered	23	16	↓	23	16	↓

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

Vital Statistics Services	July 2022	July 2023		FY 21-22 (July)	FY 22-23 (July)	
Birth Certificates Sold (walk-in)	56	42	↓	56	42	↓
Birth Certificates Mail	89	162	↑	89	162	↑
Birth Certificates Online Orders	3,781	4,166	↑	3781	4,166	↑
Birth Certificates Billed	81	130	↑	81	130	↑
<b>Birth Certificates Number of Total Sales</b>	<b>4,007</b>	<b>4,500</b>	<b>↑</b>	<b>4,007</b>	<b>4,500</b>	<b>↑</b>
Death Certificates Sold (walk-in)	2	17	↑	2	17	↑
Death Certificates Mail	127	186	↑	127	186	↑
Death Certificates Online Orders	8,039	6,643	↓	8,039	6,643	↓
Death Certificates Billed	29	41	↑	29	41	↑
<b>Death Certificates Number of Total Sales</b>	<b>8,197</b>	<b>6,887</b>	<b>↓</b>	<b>8,197</b>	<b>6,887</b>	<b>↓</b>

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

Vital Statistics Sales by Source	July 2022	July 2023		FY 21-22 (July)	FY 22-23 (July)	
Birth Certificates Sold Valley View (walk-in)	1.4%	.9%	↓	1.4%	.9%	↓
Birth Certificates Mail	2.2%	3.6%	↑	2.2%	3.6%	↑
Birth Certificates Online Orders	94.4%	92.6%	↓	94.4%	92.6%	↓
Birth Certificates Billed	2%	2.9%	↑	2%	2.9%	↑
Death Certificates Sold Valley View (walk-in)		.2%	↑		.2%	↑
Death Certificates Mail	1.5%	2.7%	↑	1.5%	2.7%	↑
Death Certificates Online Orders	98.1%	96.5%	↓	98.1%	96.5%	↓
Death Certificates Billed	.4%	.6%	↑	.4%	.6%	↑

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

Revenue	July 2022	July 2023		FY 21-22 (July)	FY 22-23 (July)	
<b>Birth Certificates (\$25)</b>	\$100,175	\$112,500	↑	\$100,175	\$112,500	↑
<b>Death Certificates (\$25)</b>	\$204,925	\$172,175	↓	\$204,925	\$172,175	↓
<b>Births Registrations (\$13)</b>	\$37,427	\$37,843	↑	\$37,427	\$37,843	↑
<b>Deaths Registrations (\$13)</b>	\$23,361	\$20,046	↓	\$23,361	\$20,046	↓
<b>Convenience Fee (\$2)</b>	\$8,156	\$8,276	↑	\$8,156	\$8,276	↑
<b>Miscellaneous Admin</b>	\$676	\$553	↓	\$676	\$553	↓
<b>Total Vital Records Revenue</b>	<b>\$374,720</b>	<b>\$351,393</b>	<b>↓</b>	<b>\$374,720</b>	<b>\$351,393</b>	<b>↓</b>

\*Numbers will change once stable



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

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

	July 2022	July 2023		FY 21-22 (July)	FY 22-23 (July)	
<b>Applications</b>						
Passport Applications	686	750	↑	686	750	↑
<b>Revenue</b>						
Passport Execution/Acceptance fee (\$35)	\$24,010	\$26,250	↑	\$24,010	\$26,250	↑

**V. HEALTH CARDS**

**A. Food Handling / Health Cards:**

1. Same-day appointments for food handler cards, which was introduced June 5<sup>th</sup>, across all five testing locations in an effort to reduce No Show appointments.
2. For the month of July, we averaged 38 “passing and paying” online renewal clients per day, with a total of 1,168 clients renewing online. This is a 74% decrease since the peak in January 2023.
3. Beginning July 3<sup>rd</sup>, renewing clients whose last test was before July 2018, will take the same 20-question food safety test as our new clients. This helps to ensure that food handlers who haven’t been working in the industry lately prove a more robust understanding of food handler safety. Clients renewing a more recent card take a 10-question renewal test.

**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. This allows Health Cards staff to easily address card-related issues, which were previously sent to the Environmental Health special programs office.

**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.

<b><u>CLIENTS SERVED</u></b>	July 2023	June 2023	May 2023	April 2023	Mar 2023	Feb 2023
FH Cards – New	5,615	5,118	4,705	4,035	4,539	3,953

FH Cards – Renewals	820	2,232	2,605	2,619	3,294	3,312
FH Cards – Online Renewals	1,168	1,185	1,398	1,754	3,004	3,563
Duplicates	301	328	312	306	382	362
CFSM (Manager) Cards	301	293	271	257	320	264
Re-Tests	1,244	1,232	1,165	1,242	1,471	1,238
Body Art Cards	121	102	117	115	83	80
<b>TOTALS</b>	<b>9,570</b>	<b>10,490</b>	<b>10,573</b>	<b>10,328</b>	<b>13,093</b>	<b>12,772</b>

**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. During July, the Health Equity team engaged with the community through participation in several outreach events, collaboration with internal SNHD Programs and community coalitions.
  - 2. On July 11<sup>th</sup> & July 27<sup>th</sup>, the Health Equity staff implemented an “Introduction to Health Inequities Community training in collaboration with NV Hands.

**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	61	62
NAAT NG/CT	1022	1080
Syphilis	908	967
RPR/RPR Titers	144/92	191/93
Hepatitis Total	843	887
HIV/differentiated	607/31	615/16
HIV RNA	83	68

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 July, the average daily testing was 61 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 17 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.
- Molecular laboratory will add Tecan instrument after installing the updated script for the SARS-CoV-2 WGS procedure. The field person from Tecan will come to install the script in August.

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

Month	# PCR& NAAT/#POS	COVID	# PCR\$ NAAT/#POS
January	8775/722	July	1216/85
February	6614/542	August	
March	6676/497	September	
April	5174/4335	October	
May	4544/244	November	

June	2103/136	December	
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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	9						
	Campy Screen	7	10	6	10	11	12	13						
Neisseria species	Gonorrhoeae Culture	70	66	34	56	71	75	61						
	Gram Stain/WBC	0	0	0	5	0	0	0						
	Neisseria ID	0	0	0	0	0	5	0						
	Haemophilus ID	0	0	8	2	3	0	1						
Unknown ID	Bacterial ID	0	0	0	3	0	0	0						
	WGS (PulseNet)	24	21	24	33	36	37	34						
Salmonella	Salmonella Screen	16	14	13	17	25	26	26						
	Salmonella Serotype	15	10	12	17	25	21	21						
Shigella	Shigella Screen	4	7	10	10	4	6	3						
	Shigella Serotype	4	5	12	3	3	3	2						

STEC	STEC Screen	4	0	7	8	1	5	7						
	STEC Serotype	4	0	1	2	1	3	2						
Unknown	Stool Culture	3	14	2	4	5	0	0						
Vibrio	Vibrio ID	0	1	0	0	0	3	0						
	Vibrio Screen	0	0	1	1	0	6	0						
Yersinia	Yersinia Culture/ID	0	0	1	0	2	0	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 July.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In July, SNPHL performed 20 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	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 34 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in July 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 July 2023, SNPHL has sequenced 70 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	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 409 mosquito pool samples. Two positive WNV mosquito pool samples were identified in July. 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 July, a total of 61 clinical isolates, Neisseria gonorrhoeae 10 isolates) and Neisseria meningitidis 2 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, CCDCC 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. July 2023 SNPHL Activity Highlights:**

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. The inspectors from CDC the Division of Select agent and Toxin (DSAT) came to do the renew certificate inspection on July 31<sup>st</sup> and August 2<sup>nd</sup>.
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 begun.
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, 5%, 8%, and 46% respectively, in July, 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.
13. The builder/Architect for the SNPHL Lab expansion project has been selected. The contract is reviewing by SNHD contract office and Ewing Cole Company

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

July SNPHL Services	2022	2023	
Clinical Testing Services <sup>1</sup>	4,761	4,448	↓
Epidemiology Services <sup>2</sup>	696	1,445	↑
State Branch Public Health Laboratory Services <sup>3</sup>	13,599	174	↓
All-Hazards Preparedness Services <sup>4</sup>	7	6	↓
Environmental Health Services <sup>5</sup>	513	409	↓

<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