



# Memorandum

**Date:** June 22, 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 – May 2023

---

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

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

The 2023 Slam Dunk Health Program concluded in April. Over 11,400 students from 438 elementary school classrooms in 100 CCSD elementary schools participated in the program. Winning classrooms were recognized in April and each participating classroom received a certificate, pencils, and stickers. CCSD will be distributing tickets to an Aces game to eligible classrooms. A Las Vegas Aces player is scheduled to visit the grand prize-winning classroom in May.

The Move Your Way Summer initiative kicked off in April. The initiative encourages people to get and stay active during the summer months. Our CDPP team and partners participated in three (3) events in April to distribute information to over 250 people. Additionally, CDPP is supporting several events at local pools throughout the summer and will be participating in those events to distribute resources and information.

The CDPP in partnership with the City of Henderson assisted seven (7) local elementary schools with successful school gardens, to obtain their producer certificate. This certificate allows them to sell their garden produce at community events and farmers markets. All seven (7) schools participated in the Green Our Planet student run Farmer's Market in April and all seven (7) will participate in another Farmer's Market scheduled for May. Additionally, as part of the project, CDPP provided garden supplies and materials including seeds, nutrients, pebbles, etc. to support ongoing operation of the school garden at three (3) of the seven (7) schools.

CDPP worked with the City of Henderson to launch a pilot transportation project that increases access to healthy foods for low-income seniors. In April, a shuttle from two (2) downtown senior

centers (Downtown Senior Center, and Heritage Park Senior Center) began operating to take seniors to a Henderson Farmer's Market. The shuttle service operates twice a month and allows seniors to utilize their SNAP benefits and/or Senior Farmer's Market Nutrition Program coupons at the Farmer's Market. The City of Henderson is also providing \$5 vouchers to seniors that participate and can be redeemed at the Farmer's Market. Flyers and posters were developed to promote the program within the senior centers. 65 seniors participated in the program in April.

CDPP worked with the Southern Nevada Breast Feeding Coalition to support the Nurturing Naturally Breastfeeding Resource Fair on April 16<sup>th</sup> at the Children's Discovery Museum. Over 100 families participated in the event. SNHD was a vendor at the event providing resource materials to participants and promoting the Embracing Healthy Babies and Nurse Family Partnership Programs.

CDPP worked with the YMCA of Southern Nevada ('Y') to provide training in the Healthy Kids Maps program, a diabetes prevention program that promotes physical activity and healthy eating for ten staff from 4 different Y locations. CDPP then provided the Healthy Kids Maps curriculum to each Y location. YMCA staff then integrated the Healthy Kids Maps program into the spring break camp programming. Over spring break, 175 children at four (4) different Y locations participated in the curriculum. The Y plans to continue integrating the program into summer camp programs at each location.

In April, CDPP staff completed an in-person Diabetes Self-Management, Education & Support (DSMES) class in English. Eleven people participated in the class and ten of the eleven completed the class.

CDPP is working with two (2) Lutheran Social Services food pantries to implement the Supporting Wellness At Pantries (SWAP) program. CDPP completed a pantry assessment in April to identify opportunities for increasing access to and promoting healthier foods in the pantries. SWAP materials have been ordered CDPP staff will be providing a training for pantry staff and volunteers in May.

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

In April, staff met with the Nevada State Apartment Association (NVSAA) to review a partnership that aims to promote voluntary smoke-free housing policies among the NVSAA membership and other stakeholders. An English/Spanish language media campaign promoting the SNHD online smoke-free housing directory aired in April. This month eight (8) apartment complexes containing 216 buildings with 3,242 units developed smoke-free policies.

SNHD has been working with Huntsman Cancer Institute (HCI) on a quality improvement initiative to modify the SNHD E.H.R. system to increase referrals for tobacco use. The last meeting of the Huntsman project occurred on April 19, 2023. SNHD clinical staff have agreed to implement continuous improvements to increase referrals to the Nevada Tobacco Quitline. Since inception of the SNHD electronic referral project, a total of 337 electronic referrals have been made to the Quitline.

Staff participated in several African American and Hispanic community events in April including Tacos and Tamales and Take it to the Street. Both events were tobacco-free and included

promotion of cessation resources and tobacco-prevention education. Media campaigns promoting cessation resources continued in April.

In April, 15 business (mainly eating establishments) expanded their tobacco-free policy. Staff provided technical assistance including model policy language, signage, and educational materials for patrons and staff. Since July 1<sup>st</sup> to date, staff have assisted 78 businesses in expanding their policy.

### **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 April:

- SNHD staff trained 36 community-level spokespersons. To date, 332 community-level spokespersons have been trained.
- Six (6) community events to distribute information and promote vaccination occurred in reaching 823 individuals.
- Nine (9) pop up vaccine clinics were offered vaccinating 121 people for COVID and 68 for flu. A total of 5,877 vaccines have been provided to date through these efforts.
- OCDPHP staff began working with our media firm to develop new messaging highlighting changes that will occur as a result of the end of the public health emergency declaration and to encourage vaccination among priority populations. This Campaign will begin running later this spring.

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

### **A. April 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.

The Committee continued its review of the Paramedic Mentorship/Internship Program.

**B. OEMSTS – May 2022 / 2023 Data**

<b>April EMS Statistics</b>	<b>May 2022</b>	<b>May 2023</b>	
<b>Total certificates issued</b>	74	86	↑
<b>New licenses issued</b>	62	81	↑
<b>Renewal licenses issued (recert only)</b>	2	3	↑
<b>Driver Only</b>	18	32	↑
<b>Active Certifications: EMT</b>	797	858	↑
<b>Active Certifications: Advanced EMT</b>	1625	1731	↑
<b>Active Certifications: Paramedic</b>	1818	1944	↑
<b>Active Certifications: RN</b>	58	67	↑

**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. Throughout the month of May PHEP/CRI planner sent requests to jurisdictional partners at regional EM offices, Water Reclamation.
3. 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.
4. Completed draft versions of position specific task books for command and general staff. Also began the revision process after review with OPHP trainers.
5. May 2<sup>nd</sup> – 3<sup>rd</sup>, finished TEEX Peds Course at Southern Hills Hospital.

6. May 8<sup>th</sup>, fulfilled templates for jurisdictional risk assessments using Clark County THIRA. Participated in CCSD Sponsored Charter Schools Emergency Planning Committee plan review.

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

1. May 1<sup>st</sup> – Our HPP team in a funding formula meeting with State Public Health Preparedness looking at funding and carryover dollars plus funding the Central Health District. Also, the HPP Liaison as part of the Program Advisory Committee for the National Healthcare Coalition Preparedness Conference has started reviewing twenty-two abstracts for consideration for inclusion into the final program for the conference in November 2023 being held in Las Vegas, Nevada.
2. May 2<sup>nd</sup> – 3<sup>rd</sup> – HPP hosted the Pediatric Disaster Response and Emergency Preparedness course provided to members of the Southern Nevada Healthcare Preparedness Coalition. The course is provided by the Texas A&M Engineering Extension Services (TEEX) providing up to date information and continuing educational units (CEU) for attendees who are healthcare professionals.
3. May 4<sup>th</sup> – The Healthcare Coalition Coordinator participated in the Southern Nevada Healthcare Preparedness Coalition providing a forum for healthcare and community partners to share information with one another. This month's meeting included a presentation by the Texas A&M Engineering Extension Service (TEEX) on their programs and an update from this week's Pediatric Disaster Response and Emergency Preparedness course. Also, the Division of Public and Behavioral Health co-presented the annual Medical Countermeasures and Strategic National Stockpile presentation to the coalition. This was followed by partner updates, information on upcoming training, and exercises for the community. Following the coalition meeting, the HPP Liaison met with the City of North Las Vegas for a tour of their updated Emergency Operations Center where TEEX training is scheduled to be conducted in July 2023. The HPP Liaison as part of the Program Advisory Committee for the National Healthcare Coalition Preparedness Conference completed reviewing twenty-two abstracts for consideration for inclusion into the final program for the conference in November 2023 being held in Las Vegas, Nevada.
4. May 8<sup>th</sup> – HPP participated in a funding formula meeting with State Public Health Preparedness looking at funding and carryover dollars plus funding the Central Health District. Also, the HPP Liaison as part of the Program Advisory Committee for the National Healthcare Coalition Preparedness Conference has started reviewing twenty-two abstracts for consideration for inclusion into the final program for the conference in November 2023 being held in Las Vegas, Nevada.

5. May 9<sup>th</sup> – The HPP Liaison presented the CAPSTONE briefing to the members of the Master Exercise Practitioner’s Program identify issues, meetings, documents, and key indicators of success to the team. The outcome will be provided mid-June 2023. Also, the HPP liaison participated in the Veterans Affairs Southern Nevada Healthcare System’s Stakeholder call in preparation for the full-scale exercise – Dark Cloud – on 11 May 2023.
6. May 10<sup>th</sup> – Our HPP Liaison participated with the National Association of City and County Health Officer’s Chemical Preparation Research Team on a virtual meeting platform discussing exercises, training, collaborations, partnering, meetings, plans, and gaps for a chemical response in southern Nevada. Also, HPP participate in the second Veterans Affairs Southern Nevada Healthcare System’s Stakeholder call in preparation for the full-scale exercise – Dark Cloud – on 11 May 2023.
7. May 11<sup>th</sup> – Our HPP Liaison served in the Veterans Affairs Southern Nevada Healthcare System’s full-scale exercise – Dark Cloud. This exercise included federal, state, and local partners in the community and hospitals within the jurisdiction. The Air Force provided a C130J aircraft to simulate the arrival of patients via air evacuation platform and role players simulated the evacuated patients. The exercise lasted nearly four hours and provided a training platform for all participants involved.
8. May 16<sup>th</sup> – The HPP Liaison participated in a final review/discussion of the top ten abstracts for the Sustaining and Expanding Healthcare Coalitions track of the National Healthcare Coalition Preparedness Conference. The goal was to discuss the identified ten (10) finalists and how each author met the standards established for the conference that has been held for more than a decade. Members of the review panel included Southern Nevada Health District’s HPP liaison, CEO of the MESH Coalition, HHS members of MESH, and the event coordinator.
9. May 18<sup>th</sup> – The HPP Liaison attended the HPP Teams meeting providing updates on the Medical Surge Support Team Plan, upcoming TEEX training, and information sharing with community partners. Our HPP Liaison also met with the training officer to discuss upcoming TEEX training in the valley. Finally, the HPP Liaison participated in the Harry Reid International Airport’s Table-top Exercise focusing on response to a Virtual Aircraft Alert 4 Emergency Response.

**D. Grants and Administration:**

1. OPHP staff are working with the State Division of Public and Behavioral Health on carryforward from Budget Period 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 coordinator works in conjunction with SNHD and community partners for volunteers needed for the COVID response.

MRC Volunteers staffed a first aid station at the Walk MS event in Sunset Park April 1, an event we support annually. MRC Volunteers participated in the City of Las Vegas Shelter Exercise at the Mirabelli Community Center April 19, helping the city test their plans and giving the volunteers experience in emergency management. 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 Q3

(Economic impact rates updated April 2023):

Activity	April	May	June
First Aid Station	8.5		
Preparedness Exercise	32		
<b>Total Hours</b>	<b>40.5</b>		
<b>Economic impact</b>	<b>\$1,226.49</b>		

#### IV. VITAL RECORDS

A. May 2023 is currently showing 2.3% increase in birth certificate sales in comparison to May 2022. Death certificate sales currently showing an 7.6% increase in comparison to May 2022. SNHD received revenues of \$36,023 for birth registrations, \$22,776 for death registrations; and an additional \$8,678 in miscellaneous fees.

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

Vital Statistics Services	May 2022	May 2023		FY 21-22 (May)	FY 22-23 (May)	
Births Registered	1,949	1,858	↓	22,790	21,973	↓
Deaths Registered	1,619	1,888	↑	22,482	19,610	↓
Fetal Deaths Registered	18	15	↓	178	181	↑

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

Vital Statistics Services	May 2022	May 2023		FY 21-22 (May)	FY 22-23 (May)	
Birth Certificates Sold (walk-in)	3	11	↑	247	339	↑
Birth Certificates Mail	130	169	↑	1,272	1,400	↑
Birth Certificates Online Orders	3,720	3,726	↑	42,074	40,854	↓

Birth Certificates Billed	45	83	↑	1,046	1,153	↑
<b>Birth Certificates Number of Total Sales</b>	<b>3,898</b>	<b>3,989</b>	<b>↑</b>	<b>44,639</b>	<b>43,746</b>	<b>↓</b>
Death Certificates Sold (walk-in)	21	13	↓	259	184	↓
Death Certificates Mail	162	189	↑	1,533	1,850	↑
Death Certificates Online Orders	7,508	8,097	↑	104,954	89,270	↓
Death Certificates Billed	37	17	↓	592	369	↓
<b>Death Certificates Number of Total Sales</b>	<b>7,728</b>	<b>8,316</b>	<b>↑</b>	<b>107,338</b>	<b>91,673</b>	<b>↓</b>

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

Vital Statistics Sales by Source	May 2022	May 2023		FY 21-22 (May)	FY 22-23 (May)	
Birth Certificates Sold Valley View (walk-in)	1%	.3%	↓	.6%	.8%	↑
Birth Certificates Mail	3.3%	4.2%	↑	2.8%	3.2%	↑
Birth Certificates Online Orders	95.4%	93.4%	↓	94.3%	93.4%	↓
Birth Certificates Billed	1.2%	2.1%	↑	2.3%	2.6%	↑
Death Certificates Sold Valley View (walk-in)	.3%	.2%	↓	.2%	.2%	
Death Certificates Mail	2.1%	2.3%	↑	1.4%	2%	↑
Death Certificates Online Orders	97.2%	97.4%	↑	97.8%	97.4%	↓
Death Certificates Billed	.5%	.2%	↓	.6%	.4%	↓

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

Revenue	May 2022	May 2023		FY 21-22 (May)	FY 22-23 (May)	
<b>Birth Certificates (\$25)</b>	\$97,450	\$99,725	↑	\$1,115,975	\$1,093,650	↓
<b>Death Certificates (\$25)</b>	\$193,200	\$207,900	↑	\$2,683,450	\$2,291,825	↓
<b>Births Registrations (\$13)</b>	\$35,477	\$36,023	↑	\$422,565	\$405,782	↓
<b>Deaths Registrations (\$13)</b>	\$22,074	\$22,776	↑	\$303,927	\$255,060	↓
<b>Convenience Fee (\$2)</b>	\$7,842	\$8,118	↑	\$90,238	\$86,536	↓
<b>Miscellaneous Admin</b>	\$635	\$560	↓	\$10,139	\$7,445	↓
<b>Total Vital Records Revenue</b>	<b>\$356,678</b>	<b>\$375,102</b>	<b>↑</b>	<b>\$4,626,294</b>	<b>\$4,140,298</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.



<b>Applications</b>	<b>May 2022</b>	<b>May 2023</b>		<b>FY 21-22 (May)</b>	<b>FY 22-23 (May)</b>	
Passport Applications	773	943	↑	7,252	8,686	↑
<b>Revenue</b>	<b>May 2022</b>	<b>May 2023</b>		<b>FY 21-22 (May)</b>	<b>FY 22-23 (May)</b>	
Passport Execution/Acceptance fee (\$35)	\$27,055	\$33,005	↑	\$253,820	\$304,010	↑

**V. HEALTH CARDS**

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

1. Throughout May, appointments continued to be opened early every weekday morning for our Decatur, Fremont and Henderson offices. On Wednesdays, the appointments were opened for the very same day, while on other weekdays, they were advance appointments for that day in the following week. Starting June 5<sup>th</sup>, all Health Cards offices will switch to exclusively offering same-day appointments to better assist clients who need a food handler card immediately so they can start a new job or ensure compliance with our requirements to possess a card.
2. For the month of May, we averaged 45 “Passing and Paying” online renewal clients per day, with a total of 1,398 clients renewing online. This is a 20% decrease from April and 69% decrease from the peak.
3. For the first time since reopening after the pandemic-related closure, in May we processed more first-time cards than renewed cards (online and in-person combined), from which one might infer that we are mostly caught up on the backlog of clients who needed to renew.

**B. Body Art Cards**

1. Clients are taking advantage of the Body Art Card appointments now offered at our Fremont and Henderson locations.
2. We introduced a dedicated email address for Body Art Mentors to contact us with questions/concerns related to the apprentice cards under them

**D. Other**

1. Two backfill positions and two new FTE positions were filled, with the new hires divided between our Decatur and Fremont locations.

<b>CLIENTS SERVED</b>	<b>May 2023</b>	<b>April 2023</b>	<b>Mar 2023</b>	<b>Feb 2023</b>	<b>Jan 2023</b>	<b>Dec 2022</b>
Food Handler Cards – New	4,705	4,035	4,539	3,953	3,698	3,175
FH Cards – Renewals	2,605	2,619	3,294	3,312	4,143	3,924
FH Cards – Online Renewals	1,398	1,754	3,004	3,563	4,513	3,021
Duplicates	312	306	382	362	406	244
CFSM (Manager) Cards	271	257	320	264	315	162

Re-Tests	1,165	1,242	1,471	1,238	1,513	1,254
Body Art Cards	117	115	83	80	77	69
<b>TOTALS</b>	<b>10,573</b>	<b>10,328</b>	<b>13,093</b>	<b>12,772</b>	<b>14,665</b>	<b>11,849</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 the month of May, the Health Equity program implemented five (5) workshops with staff.

**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	71	59
NAAT NG/CT	1036	1072
Syphilis	1153	970
RPR/RPR Titers	205/130	202/93
Hepatitis Total	979	871
HIV/differentiated	755/19	598/14
HIV RNA	70	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 May, the average daily testing was 197 and the average turnaround time was 43 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 771 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		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:



**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 May.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). SNPHL performed May, 29 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							

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 May 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 May 2023, SNPHL has sequenced 19 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							

10. SNPHL provides vector testing for Environmental Services, Viral testing for Zika, West Nile, Western / Eastern Equine Encephalitis. Our facility hosted a CDC demonstration for the Vector team. In May, we tested a total 202 mosquito pools samples.
11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in May, a total of 71 clinical isolates, Neisseria gonorrhoeae 17 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 COVD online ordering applications for long-term care facilities.
6. Supplied Biosafety Guidance to Sentinel Sites regarding Monkeypox.
7. Furnished Monkeypox and Bivalent COVD Booster vaccination to laboratory staff.
8. Perpetuated Biosafety Training and guidance to SNPHL personnel.

**E. May 2023 SNPHL Activity Highlights:**

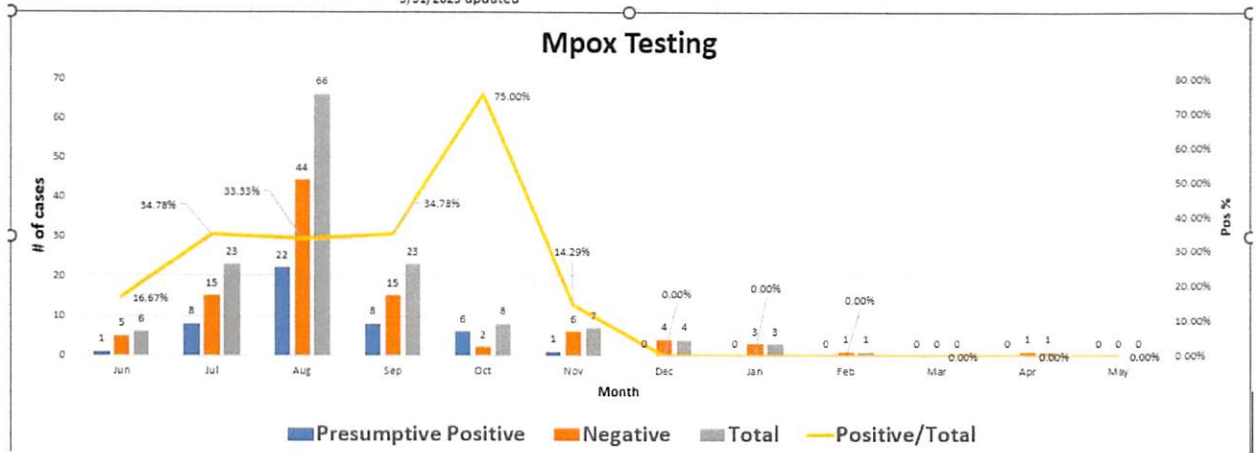
1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVD collection kits.
2. SNPHL received the letter from CLIA inspector of approval and agree our correction proposal. We will receive renew certificate when laboratory paid the fee for the inspection.
3. The clinical health laboratory is in the process to purchase three instruments for clinical testing for the chemistry, hematology, and urine analysis for enhance the community health service.
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. Hired the Supervisor of Microbiology and reported to work on May 30, 2023. We will backfill 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.\*, lineages are domain lineage, 48% and 24% respectively, in May, 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. Safety concerns is for the SNPHL facility security camera upgrade which IS currently under process by Facilities. The facility team budgeted for this request from FY24 general fund.
11. 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. The current Monkeypox testing status is summarized as follows:

Mpox testing from SNPHL\*

	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Total
<b>Presumptive Positive</b>	1	8	22	8	6	1	0	0	0	0	0	0	<b>46</b>
<b>Negative</b>	5	15	44	15	2	6	4	3	1	0	1	0	<b>96</b>
<b>Total</b>	6	23	66	23	8	7	4	3	1	0	1	0	<b>142</b>
<b>Positive/Total</b>	16.67%	34.78%	33.33%	34.78%	75.00%	14.29%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	<b>32.39%</b>

\* Per patient

3/31/2023 updated



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

May SNPHL Services	2022	2023	
Clinical Testing Services <sup>1</sup>	4,608	5,131	↑
Epidemiology Services <sup>2</sup>	724	1,871	↑
State Branch Public Health Laboratory Services <sup>3</sup>	9,648	2,704	↓
All-Hazards Preparedness Services <sup>4</sup>	10	6	↓
Environmental Health Services <sup>5</sup>	329	202	↓

<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