



# Memorandum

**Date:** August 25, 2022

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

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

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**Subject:** Community Health Division Monthly Activity Report – July 2022

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

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

Move Your Way Summer and Soda Free Summer initiatives continued in June through outreach events and social media. Events included 2 community health fairs and outreach booths at the Clark County Splash Bash and NLV Pool Grand Opening. In total, outreach events reached over 550 people with education and resources. In addition, through our partnership with the Pathways from Poverty initiative, the CDPP sponsored 2 weeks of sports and nutrition camp during June for students at Lowman and Manch Elementary Schools.

CDPP staff provided hypertension and diabetes presentations to 25 residents of low-income senior living complexes. In addition, CDPP staff participated in 3 other community outreach events providing resources, education and materials to over 225 people.

The first half of our Pop-Up Produce Market initiative ended in June. SNHD and RTC hosted the Veggie Buck Truck at 6 markets between April and June. The Veggie Buck Truck accepts SNAP/EBT and provides fresh produce at around \$1/pound/bundle. The Veggie Buck Truck also provide Double Up Food Buck coupons to qualified individuals who purchase produce with their SNAP benefits. In total, the first 6 markets had over \$3,900 in total sales; 17% of which were SNAP/EBT sales. They distributed \$355 Double Up Food Buck coupons and sold over 2,500 pounds of produce. The next market will be held in September.

In honor of Men's Health Month, CDPP's Barber Shop Health Outreach Program hosted another 'SHOP TALK' in June at Masterpiece Barber School. The event was moderated by Pastor Kelcey West and included a panel of 5 experts from the fields of health care, mental health and professional athletics. The event facilitated honest discussion in a safe environment about the impact of heart disease in Black men and factors that contribute to it including stress and mental health. Prior to the event, a podcast featuring

Congressman Steven Horsford was held to promote the event and raise awareness of hypertension. Over 55 people attended SHOP TALK.

The BSHOP program year wrapped up in June with the CDPD team exceeding their screening goal for the year. Our goal was to screen 175 men for hypertension and prediabetes and in total, we screened over 325 people during the year. Each person screened is provided with culturally appropriate education and referrals. In addition to BSHOP screenings, CDPD participated in 6 other screening events during June reaching 95 people.

B. Tobacco Control Program (TCP) Staff collaborated with media vendors to create the What's Your Reason series that will run in print, radio, tv, and social media during May and June. This 4-part campaign series is culturally and linguistically competent to the African American community used to increase awareness, prevent initiation, encourage cessation, and promote the Nevada Tobacco Quitline. The campaign ran in June and consisted of radio, TV, print, web banners and social media ads. The social media content that was created to educate African Americans have three major areas of:

1. Tobacco and Menthol flavored products
2. How the African American community is disproportionately affected and targeted by the tobacco industry
3. Promote that the Nevada Tobacco Quitline will continue to be housed on eight faith-based organizations' social media, providing access to the community they serve.

TCP Staff distributed the Tobacco Control Program's monthly newsletter to increase awareness in populations who are disproportionately affected by tobacco use to shift social norms related to tobacco use, to showcase and celebrate our Tobacco Control Program's activities and highlight health observances. The June 2022 newsletter was distributed to more than 280 community partners and stakeholders. This newsletter will be updated and distributed monthly.

June 28th to June 30th, the SNHD Tobacco Control Program attended the National Conference on Tobacco or Health (NCTOH) in New Orleans, Louisiana. NCTOH is one of the largest, long-standing gatherings for tobacco control professionals. This conference highlighted best practices and policies to reduce tobacco use in the United States. Our TCP successes were highlighted and presented throughout the conference.

In July, TCP staff held an event to promote the adoption of smoke-free housing policies among local community managers. The event was titled "Smoking is a Drag" and it involved the collaboration of the Garden Las Vegas and the Nevada State Apartment Association. The event had over 40 property managers and MUH community stakeholders. This month, three properties implemented or expanded their smoke-free policy.

The SNHD Tobacco Control Program partnered with the Nevada Institute for Children's Research and Policy to complete the 2022 Nevada Adult Tobacco Survey. The survey report was finalized in June. The purpose of the Nevada Adult Tobacco Survey is to assess current rates of the use of tobacco products as well as the knowledge, attitudes, beliefs, and perceptions of tobacco product use and cessation behaviors among Nevada residents.

This month, staff implemented a youth targeted educational tobacco initiative called "Fast Facts." This project was promoted using social media networks (Facebook, Instagram, TikTok and Snap Chat). "Fast Facts" featured high school teens dispelling

the myths about vaping and proving the truth about the dangers of experimentation and flavors. The Educational tobacco initiative also promoted the My Life, My Quit resource.

This month, 6 businesses implemented and/or expanded their smoke and vape free policy. Staff provided technical assistance in the form of model policy language and signage.

Island eNvy is SNHD's tobacco prevention and control's Native Hawaiian and Pacific Islander initiative which is dedicated to educating the Native Hawaiian/Pacific Islander (NH/PI) community about living tobacco-free lifestyles and being Strong, Proud, and Healthy. Staff hosted a 3-day educational summit for local youth called INSPIRE. The INSPIRE summit took place from June 21-June 23 at UNLV. The goal of INSPIRE was to incorporate the traditions and teachings of Hawai'i culture from knowledgeable instructors and community leaders from within our local Hawaiian community. The goal of INSPIRE is to connect Hawaiian culture and Hawaiian Health. The program will continue to connect the next generation of Native Hawaiian/ Pacific Islanders and encourage them to live smoke and vape-free as recent data concluded that the NH/PI community has the highest rate of electronic vapor product prevalence in comparison to other ethnic groups in southern Nevada. In addition, culturally and linguistically appropriate printed materials that promoted available tobacco cessation resources were distributed. A total of 127 students between the ages 12-18 attended the summit.

### C. Other Efforts

OCDPHP has received additional funding from the CDC to support COVID-19 and flu vaccine education. Funding was also provided for 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 2022:

1. Findings from two African American young adult focus groups are being analyzed and will supplement the COVID-19 and Flu Vaccination Survey findings. This will help to better understand disparities in vaccine uptake among African American/Black young adults who are not yet vaccinated or have received a COVID-19 vaccine within the past three months. Plans for a focus group with Hispanic/Latinx young adults are currently being developed to discover vaccination reception statistics in this community as well.
2. In June, a total of 21 community community-level spokespersons were trained by SNHD staff and contractors; 230 community-level spokespersons have been trained to date.
3. One community event to distribute information and promote vaccination occurred in June reaching 30 individuals. To date, 55 events have occurred serving 16,286 people.
4. 10 pop up vaccine clinics were offered in June vaccinating 97 people for COVID-19 and none for flu. A total of 5,121 individuals have been vaccinated to date through these efforts.

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

**A.** 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 the initial patient access to definitive patient care. The Board:

1. welcomed the new non-standing members selected for the July 2022 - June 2024 term;
2. reviewed and discussed the trauma transport data for 1<sup>st</sup> quarter 2022;
3. approved the application submitted by St. Rose Siena Hospital for renewal of authorization as a Level III Trauma Center;
4. approved the proposed revisions to the Southern Nevada Trauma System Regulations
5. approved work sessions to discuss the Southern Nevada Trauma System Plan and Performance Improvement Plan.

**B. OEMSTS - Fiscal Year 2022 Data**

COMMUNITY HEALTH – OEMSTS - Fiscal Year Data			
July EMS Statistics	July 2021	July 2022	
Total certificates issued	70	47	↓
New licenses issued	61	40	↓
Renewal licenses issued (recert only)	0	0	=
Driver Only	24	28	↑
Active Certifications: EMT	769	842	↑
Active Certifications: Advanced EMT	1632	1675	↑
Active Certifications: Paramedic	1820	1908	↑
Active Certifications: RN	57	62	↑

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

**A. PHP Training and PH Workforce Development**

1. Following SNHD leadership direction, all non-essential training has been postponed focusing on the COVID-19 response and training needs
2. Employee Fit Testing: Essential SNHD staff continue to receive respirator fit testing. 49 fit tests completed.
3. Submitted Closed POD MOU renewals for Boyd Gaming and Las Vegas Convention and Visitors Authority.
4. Completed rewrite of Notification Annex and submitted to PHP Manager and Supervisor for review and SME comments.
5. Sr. Planner presented Closed POD Program to the Resort Emergency Management Group and discussed upcoming events.

6. Community Survey was conducted to identify COVID-19 testing and vaccine accessibility, awareness, and other information throughout a variety of communities in the Valley.

**B. Hospital Preparedness Program (HPP)**

1. 05 JUL – HPP Liaison, as Deputy Planning Section Chief, convened the Command and General Staff meeting/Tactics meeting for the Incident Command System structure for the Southern Nevada Health District. This meeting provides opportunity to discuss upcoming operations in the next operational period. Also, HPP Liaison provides support for the Documentation Unit Leader during their scheduled absence.
2. 06 JUL – HPP Liaison, as Deputy Planning Section Chief, participated in the Planning Meeting/Operational Period Briefing for the Incident Command System structure for the Southern Nevada Health District. Also, HPP Liaison provides support for the Documentation Unit Leader during their scheduled absence.
3. 07 JUL – HPP Liaison, as Chair, Southern Nevada Healthcare Preparedness Coalition hosted the monthly healthcare coalition meeting for healthcare and community partners. During this meeting, presentations on the Vegas Strong Resiliency Center and the functional exercise for the Federal Coordinating Center from the Veterans Affairs organization. Provided to the group were also community partner updates including events taking place within the community during the month of July.
4. 11 JUL – HPP Liaison hosted the Concepts & Objectives meeting for the Chemical Response Functional Exercise in January 2023. The team agreed to shift the date right from 23 January to 25 January 2023. Also, Clark County's Hazmat Coordinator will provide additional guidance on the scenario to make sure the exercise provides a realistic backdrop for the participants.
5. 12 JUL – HPP Liaison attended the Microplanning session with the State of Nevada regarding COVID-19 response, testing, and vaccination.
6. 18 JUL – HPP Liaison, as Deputy Planning Section Chief, convened the Command and General Staff meeting/Tactics meeting for the Incident Command System structure for the Southern Nevada Health District. This meeting provides opportunity to discuss upcoming operations in the next operational period. Also, HPP Liaison provides support for the Documentation Unit Leader during their scheduled absence.
7. 19 JUL – The HPP Liaison with the OPHP met with the ASPR Project Officer, FEMA Region #9 Regional Administrator, Regional Emergency Coordinator, State PHP Manager, and State PHP HPP Manager to discuss the Hospital Preparedness Program, challenges, ideas, and Federal Medical Station.
8. 20 JUL – HPP Liaison, as Deputy Planning Section Chief, participated in the Planning Meeting/Operational Period Briefing for the Incident Command System structure for the Southern Nevada Health District. Also, HPP Liaison provides support for the Documentation Unit Leader during their scheduled absence.

9. 26 JUL – HPP Liaison attended the Microplanning session with the State of Nevada regarding COVID-19 response, testing, and vaccination. Also, HPP attend the Integrated Preparedness Planning Workshop (IPPW) with the state to discuss last year’s training and exercises and this year’s training and exercise plan. Final, HPP liaison attended the Drought Planning Workshop with the State.

**C. Grants and Administration**

1. OPHP staff are supporting COVID-19 response and logistical needs.
2. OPHP staff are supporting monkeypox call line logistics.
3. OPHP is currently awaiting the Notice of Award for the PHEP, CRI, and HPP grants from the State DPBH.

**D. Medical Reserve Corps (MRC) of Southern Nevada:** MRC coordinator works in conjunction with SNHD and community partners for volunteers needed for the COVID-19 response. In June, volunteers updated the MRC first aid kits and assembled CASPER swag bags for the OPHP, supported the Immunization Clinic at the intake desk, and assembled safer sex kits for the ODS. Total “accepted” volunteers stand at nearly 557. MRC Coordinator recruited, vetted, assigned, deployed, and deactivated volunteers. MRC Coordinator continues to recruit and deactivate volunteers and participates in COVID-19 planning and operations meetings as available. MRC also attended monthly NACCHO MRC Workgroup and PPAG meetings. The table below summarizes volunteer hours served in the fourth quarter of this fiscal year.

**MRC Volunteer Hours FY2022 Q4 COVID-19 Response and Non-Emergency**

(Economic impact rates updated April 2022)

Activity	April	May	June
SNHD IMM CLINIC	0	40	19
SNHD COVID VAX OUTREACH	8	5	0
SNPHL	3.25	2.75	0
OPHP Support	0	0	12
SNHD ODS Support	2	22.5	28
<b>Total Hours</b>	<b>10</b>	<b>70.25</b>	<b>59</b>
<b>Economic impact</b>	<b>\$380.12</b>	<b>\$2,093.54</b>	<b>\$1,811.98</b>

**IV. VITAL RECORDS**

**A.** July 2022 is currently showing an 19% decrease in birth certificate sales in comparison to July 2021. Death certificate sales currently showing 4.8% decrease in comparison to July 2021. SNHD received revenues of \$36,803 for birth registrations, \$23,348 for death registrations; and an additional \$8,688 in miscellaneous fees.

**COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data**

Vital Statistics Services	July 2021	July 2022		FY 22-22 (July)	FY 22-23 (July)	
Births Registered	2,134	2,047	↓	2,134	2,047	↓
Deaths Registered	1,756	1,678	↓	1,756	1,678	↓
Fetal Deaths Registered	26	23	↓	26	23	↓

**COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data**

Vital Statistics Services	July 2021	July 2022		FY 21-22 (July)	FY 22-23 (July)	
Birth Certificates Sold (walk-in)	22	56	↑	22	56	↑
Birth Certificates Mail	134	89	↓	134	89	↓
Birth Certificates Online Orders	4,651	3,709	↓	4,651	3,709	↓
Birth Certificates Billed	87	81	↓	87	81	↓
<b>Birth Certificates Number of Total Sales</b>	<b>4,894</b>	<b>3,935</b>	<b>↓</b>	<b>4,894</b>	<b>3,935</b>	<b>↓</b>
Death Certificates Sold (walk-in)	23	2	↓	23	2	↓
Death Certificates Mail	128	127	↓	128	127	↓
Death Certificates Online Orders	8,392	8,025	↓	8,392	8,025	↓
Death Certificates Billed	55	29	↓	55	29	↓
<b>Death Certificates Number of Total Sales</b>	<b>8,598</b>	<b>8,183</b>	<b>↓</b>	<b>8,598</b>	<b>8,183</b>	<b>↓</b>

**COMMUNITY HEALTH Vital Statistics Program - Fiscal Year Data**

Vital Statistics Sales by Source	July 2021	July 2022		FY 21-22 (July)	FY 22-23 (July)	
Birth Certificates Sold Valley View (walk-in)	.4%	1.4%	↑	.4%	1.4%	↑
Birth Certificates Mail	2.7%	2.3%	↓	2.7%	2.3%	↓
Birth Certificates Online Orders	95%	94.3%	↓	95%	94.3%	↓
Birth Certificates Billed	1.8%	2.1%	↑	1.8%	2.1%	↑
Death Certificates Sold Valley View (walk-in)	.3%		↓	.3%		↓
Death Certificates Mail	1.5%	1.6%	↑	1.5%	1.6%	↑
Death Certificates Online Orders	97.6%	98.1%	↑	97.6%	98.1%	↑
Death Certificates Billed	.6%	.4%	↓	.6%	.4%	↓

**COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data**

Revenue	July 2021	July 2022		FY 21-22 (July)	FY 22-23 (July)	
Birth Certificates (\$25)	\$122,350	\$98,375	↓	\$122,350	\$98,375	↓
Death Certificates (\$25)	\$214,950	\$204,575	↓	\$214,950	\$204,575	↓
Births Registrations (\$13)	\$46,852	\$36,803	↓	\$46,852	\$36,803	↓
Deaths Registrations (\$13)	\$25,207	\$23,348	↓	\$25,207	\$23,348	↓
Convenience Fee (\$2)	\$9,648	\$8,012	↓	\$9,648	\$8,012	↓
Miscellaneous Admin	\$1,092	\$676	↓	\$1,092	\$676	↓
<b>Total Vital Records Revenue</b>	<b>\$420,099</b>	<b>\$371,789</b>	<b>↓</b>	<b>\$420,099</b>	<b>\$371,789</b>	<b>↓</b>

\*Final numbers are subject to change

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

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

Applications	July 2021	July 2022		FY 21-22 (July)	FY 22-23 (July)	
Passport Applications	647	686	↑	647	686	↑

  

Revenue	July 2021	July 2022		FY 21-22 (July)	FY 22-23 (July)	
Passport Execution/Acceptance fee (\$35)	\$22,645	24,010	↑	\$22,645	24,010	↑

**V. HEALTH CARDS**

**A. COVID-19 Activities:**

1. Perpetual oversight of SNHD door screener.
2. Resumed use of temperature scanner despite summer temperatures possibly causing temporary elevated temperatures due to concerns about Monkeypox.

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

1. Appointments
  - a. Booked through end of the year.
  - b. Adding “next day” appointments every afternoon as space allows.



- c. Saturday sessions made available at least twice a month.
  - d. Appointments become available as clients cancel or when we find duplicate appointments for the same client.
- 2. E-mail reminders being sent to clients regarding their upcoming appointments to reduce “no shows”.
  - a. System corrected to eliminate multiple reminders auto-populating.
- 3. Expanded capacity and using former Café area at the Decatur location to accommodate additional clients.
- 4. Online Renewals
  - a. Launched on Tuesday, July 19, 2022.
  - b. Eligible clients can complete the renewal process without having to visit one of our locations.
    - i. Test and pay online.
    - ii. Able to print 3-year Health Card certificate at home.
  - c. News release sent and announcement made during July 2022 Food Safety Partnership meeting.
  - d. 1,958 clients “passed and paid” from launch through the end of July.
- 5. Total for month: 1,958 online + 7,509 in-person = 9,467 paying clients.

<b>SERVICES</b>	<b>Jul 1 - 31</b>	<b>Jun 1 - 30</b>	<b>May 1 - 31</b>	<b>Apr 1 - 30</b>	<b>Mar 1 - 31</b>
Food Handler Cards - New	1,639	1,319	1,359	1,069	1,141
FH Cards – Renewals	4,567	4,913	4,685	3,604	3,666
FH Cards – Online Renewals	1,958	-	-	-	-
Duplicates	167	129	131	121	173
CFSM (Manager) Cards	156	201	146	142	170
Re-Tests	891	1,002	880	535	517
Body Art Cards	89	120	84	125	176
<b>TOTALS</b>	<b>9,467</b>	<b>7,684</b>	<b>7,285</b>	<b>5,596</b>	<b>5,843</b>

**VI. HEALTH EQUITY**

- A.** The Health Equity program received funding from the Center for Disease Control to build, leverage, and expand infrastructure support for COVID-19 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-19 community strategies and events.
  - 2. The program continues to collaborate with the Ryan White program in their HIV Stigma reduction project, providing technical assistance and support.

3. On July 13<sup>th</sup>, the Health Equity team collaborated with program partner, Ericka Aviles Consulting, in conducting the Esta En Tus Manos community coalition meeting.
4. On July 22<sup>nd</sup>, the Health Equity team participated the NV Hands back to school outreach event.
5. On July 28<sup>th</sup>, the Health Equity program conducted Intro to Health Equity training for FQHC staff.

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

**A. Clinical Testing:**

**i. SNPHL supports**

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 of monthly samples tested is listed in the following table:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	49	75
NAAT NG/CT	931	1125
Syphilis	947	840
RPR/RPR Titers	270/127	177/89
Hepatitis Total	870	646
HIV/differentiated	625/24	531/15
HIV RNA	53	46

**ii. COVID-19 testing**

1. SARS-CoV-2 PCR extraction is currently performed on the KingFisher Flex platform only.
2. SNPHL goal is to maintain capacity of 2000 tests /day with a turnaround-time of <48 hours (TAT 2Day- currently at / near goal).
3. For July, the average daily testing was 527 and the average turnaround time was 37 hours days for PCR testing from the collection date to the release the test

report. The average laboratory total test for SARS-CoV-2 using Panther Aptima NAAT testing is 1278 tests per week.

4. IT created easy patient accession and direct report verification from SNPHL LIMS into SNHD patient report portal
5. Incorporate high throughput instruments such as Eppendorf 5073 automation of specimen fluid handling station
6. A monthly summary of COVID-19 PCR/NAAT testing is listed as follows:

Month	# PCR& NAAT/#POS	COVID	# PCR\$ NAAT/#POS
January	35322/14313	July	14236/1860
February	11532/1407	August	
March	6890/219	September	
April	5576/308	October	
May	9130/1165	November	
June	11975/1999	December	

**iii. Reportable disease reports**

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

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Campylobacter	Campy ID	5	1	1	5	1	6	4					
	Campy Screen	6	2	3	10	3	9	5					
Neisseria species	Gonorrhoeae Culture	86	61	108	87	61	76	49					
	Gram Stain/WBC	16	0	0	0	0	0	0					
	Neisseria ID	4	0	0	0	0	0	0					
	Haemophilus ID	4	0	3	1	2	4	1					

Unknown ID	Bacterial ID	3	0	0	0	0	0	0					
	WGS (PulseNet)	14	16	14	18	21	28	24					
Salmonella	Salmonella Screen	10	10	11	14	19	10	20					
	Salmonella Serotype	8	10	11	12	18	10	14					
Shigella	Shigella Screen	6	1	2	5	2	7	4					
	Shigella Serotype	5	1	1	1	0	6	3					
STEC	STEC Screen	7	10	6	10	7	4	4					
	STEC Serotype	2	10	1	0	2	2	3					
Unknown	Stool Culture	0	1	19	2	2	0	0					
Vibrio	Vibrio ID	0	0	0	0	0	0	1					
	Vibrio Screen	0	0	0	0	0	0	1					
Yersinia	Yersinia Culture/ID	0	0	1	0	0	0	0					

**B. Epidemiological Testing and Consultation:**

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. Conducted 0 outbreak investigations in July.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). SNPHL performed July, 21 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 stereotyped 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.

2022	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Select Agent Rule out (total PCR)	0	0	1	0	4	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 24 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in July 2022.
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 2022, SNPHL has sequenced 377 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.

2022	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Legionella	0	0	4	2	0	14	0					

10. SNPHL provides vector testing for Environmental Services; testing for Zika, West Nile, Western / Eastern Equine Encephalitis. Our facility hosted a CDC demonstration for the Vector team. In July, we tested a total 513 mosquito pools samples.

11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in July, a total of 49 clinical isolates, Neisseria gonorrhoeae 49 isolates) and Neisseria meningitidis (0 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-19 Emergency Incident Response, local community outreach, CCDDC 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 supports Non-Traditional testing sites by providing COVID-19 Biosafety Training/Guidelines.
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 yields information to local laboratorians on CDC packaging and shipping infectious substances and the chain of custody procedures.
5. Provided onsite training for COVID-19 online ordering application for long-term care facilities.

**E. July 2022 SNPHL Activity Highlights:**

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID-19 collection kits.
2. Facility team has assisted, placing a temporary office in the back lot for contracted security and has a guard placed on-site 24/7 during construction to monitor lot access and to watch over supplies stored on site. Sean asked the City to allow us temporary use of the empty lot to the west of our facility for construction vehicles parking and their office. The formal laboratory renovation has an expected completion of the second week of August, 2022.
3. The NextSeq 2000 whole genome sequencer has been used in SARS-CoV-2 sequencing in the Micro laboratory. The WGS capacity of SARS-CoV-2 is 192

samples per week. The laboratory is in the process to purchase one liquid handler to handle the COVID samples and reduce human error.

4. PHLIP in full production, passed CDC validation. The test result for NAAT SARS-Cov-2, influenza, Norovirus, MERS, Biofire RP2.1 panel, and respiratory viruses panel will send to CDC through PHILP. Next discussions will involve the procedure for NREVSS validation to get it automated
5. Laboratory developed a centralized accessioning section consisting of five Lab Assistants (1 LA to be assigned, 2 from the COVID teams, 1 from Immunology, and 1 from Molecular; the Micro LA will help out when free but will not be assigned) handling data entry, courier, sample processing, and sample delivery tasks.
6. According to the WGS and genomic data analysis, the Omicron variant BA.5 lineage are domain lineage in July, for Clark County and State. Our laboratory will keep sequencing the closed contact samples to help ODS to follow up on the investigation. Currently, the lineage BA.2.12.1 is second only to BA.5 lineage in Clark County.
7. The new and updated SNPHL has been launched in public. This new website provides an electronic order form and automatically populates the demographic information after providers select their facility name. Our NSPHL homepage on the APHL website has also been updated. The Monkeypox testing service also is available in SNPHL website.
8. Currently our BSL-3 laboratory has detected a total 9 possible Monkeypox cases. Those presumptive samples have been sent to CDC this week to CDC for confirmation test. We tested all monkeypox samples submitted in SNHD clinic and approved by Office Disease Investigation.

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

SNPHL Services YTD July '21 July '22

Clinical Testing Services <sup>1</sup>	2722	4761	↑
Epidemiology Services <sup>2</sup>	182	696	↑
State Branch Public Health Laboratory Services <sup>3</sup>	28334	13599	↓
All-Hazards Preparedness Services <sup>4</sup>	5	7	↑
Environmental Health Services <sup>5</sup>	0	0	0

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-19 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

