



Memorandum

Date: July 7, 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

Subject: Community Health Division Monthly Activity Report – June 2022

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

A. Chronic Disease Prevention Program (CDPP)

In May, CDPP launched two complimentary initiatives, Move Your Way Summer and Soda Free Summer/Verano Sin Soda. The Move Your Way Summer Initiative provides opportunities and encourages physical activity throughout the summer months. Verano Sin Soda provides education on sugary beverages and challenges people to pledge to reduce or eliminate sugary beverage consumption over the summer. Activities and outreach are provided in English and Spanish. News releases were issued and generated earned media on Channel 3, Channel 8 and an interview with LVRJ 7&7 Español. Our partners, Las Vegas Promotoras also participated on 4 Spanish-language radio programs to promote the initiatives.

Activities during May to promote the initiatives included:

1. City of Henderson- Glow Bike Ride Event (estimated 100 people received MYW resources)
2. Cinco de Mayo event (estimated 100 people received MYW and Verano Sin Soda resources)
3. Marketon Supermarket- Community Health Fair (estimated 60 people received MYW and Verano Sin Soda resources)
4. Comunidad Migrante Cinco de Mayo event (estimated 100 people received MYW and Verano Sin Soda resources)
5. REACHLV-Virtual physical activity class (411 people participated and 2,644 people additional views online)
6. Over 670 people participated in MYW Summer and Verano Sin Soda activities in May and over 2,600 participated in online activities.

CDPP is partnering with the City of Henderson and Green Valley Grocery to pilot a Healthy Corner Store initiative in 2 Green Valley Grocery locations. An assessment was completed that identified the healthier and SNAP-eligible options available in the stores and assessed in-store marketing. Customer surveys were

also conducted. A marketing plan was developed to identify signage and marketing opportunities to promote healthier and SNAP-eligible foods and small in-store changes that could be made to increase access to healthier foods. Marketing materials including signs, logos, shelf-tags, posters, and bus stop shelters were developed. Materials highlight healthier options and SNAP-eligible foods and provide nutrition education. Marketing materials were installed in both pilot locations in May. An assessment of SNAP purchased will be conducted in the fall to help evaluate the pilot project.

CDPP is partnering with the RTC to expand the Bike Share network. A new bike share kiosk was added on Martin Luther King Jr. Drive and Alta Drive in May. This is the first bike share station kiosk on the west side of the I-15 freeway and extends the bike share network from downtown to the Medical District and surrounding neighborhoods. A media event was held in May for the grand opening. Dr. Johnson spoke at the press conference representing SNHD. The event generated multiple earned media on local television stations. The new kiosk includes advertising promoting the reduced fare bike share pass for SNAP recipients, which is also supported by CDPP.

CDPP partnered with UNLV School of Public Health, RTC, and City of Las Vegas to develop a Decision Support Tool. The tool can be used by planning, transportation, and public works professionals to access data and recommendations for incorporating health and equity considerations in planning, transportation, and public works projects. The UNLV Team hosted a training on the tool in May. Representatives from RTC, Clark County, City of Las Vegas, City of Henderson, UNLV and SNHD attended the training. The training included an overview of the tool and opportunities to test the tool on a public works project. City of Las Vegas Public Works has committed to using the tool on selected projects as part of their ongoing scoping and planning process. The tool will be hosted on the RTC website making it available for other jurisdictions that may want to utilize it.

Faithful Families classes wrapped up at Iglesia Puertas de Alabanza Ministerios de fe and Iglesia Maranatha. Over 50 people attended the classes, offered in Spanish. Faithful Families is an evidenced-based physical activity and nutrition program developed to be taught in places of faith.

In honor of Hypertension Awareness Month, CDPP staff participated in several screening and educational events to promote hypertension awareness and self-management.

- In addition to regularly scheduled BSHOP and BeSHOP screenings, the CDPP team participated in 4 community screening events at the Cinco de Mayo event, West Las Vegas neighborhood health fair, Victory Baptist Church health fair and Lake Tonopah Senior Living complex.
- 99 people received screening, education and referral as appropriate at the May community screenings
- CDPP partnered with the 100 Black Men of Las Vegas to provide a virtual cooking class in May for youth and their families. The class featured a heart-friendly dish and participants received all ingredients to make the dish. 30 people participated in the cooking class.

B. Tobacco Control Program (TCP)

From May 2-May 29, 2022, staff implemented the No Menthol May campaign in 8 African American faith-based organizations. No Menthol May is a nationwide initiative to promote cessation and independence from menthol flavored products in the African American community. This signature campaign consisted of 40 smoke and vape-free events.

This month, SNHD staff contacted leadership of Nevada State College to offer support for the adoption of a tobacco-free campus policy at Nevada State College. Staff collected letters of support from eight community stakeholder organizations and shared these with Nevada State College.

Staff sponsored a sports outreach pylon 7 on 7 tournament reaching 400+ youth on May 28-29 at Aventura Park in Henderson. Information about the dangers of electronic vapor products was distributed to attendees.

Because We Matter, the initiative to address smoking and vaping in the African American community, partnered with Clark County Parks and Recreation to support the Jazz in the Park Series in being smoke and vape-free. Culturally tailored educational resources were distributed to the priority population to increase awareness, prevent initiation, encourage cessation, and promote the Nevada Tobacco Quitline. Staff participated and provided sponsorship to 48 local events with a large African American attendance.

This month staff participated in three Hispanic-focused Cinco de Mayo and one soccer event with Las Vegas Lights with a combined attendance of over 3,000 people hosted by commissioner Marylin Kirkpatrick at Bob Price Recreational Center. Staff provided culturally tailored resources through the Por Mi Por Ti Por Nosotros initiative to raise awareness of the dangers of smoking and vaping. Cessation resources were also provided.

An African American and a Spanish language tobacco cessation media campaign aired in May. These two media campaigns resulted in over 3.4 million impressions.

C. Other Efforts

OCDPHP has received additional funding from the CDC to support COVID-19 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:

1. Findings from 2 focus groups with African American young adults are being analyzed and will supplement the COVID-19 and Flu Vaccination Survey findings to better understand disparities in vaccine uptake among Hispanic/Latinx and 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.
2. Although no community-level spokespersons were trained by SNHD staff and contractors in May; 209 community-level spokespersons have been trained to date.
3. Two community events to distribute information and promote vaccination occurred in May reaching 6,500 individuals. To date, 54 events have occurred serving 13,727 people.

4. Seven pop up vaccine clinics were offered in May vaccinating 104 people for COVID-19 and 8 people for flu. A total of 5,024 individuals have been vaccinated to date through these efforts.

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

A. Education Committee

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

B. Drug/Device/Protocol Committee (DDP)

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

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

C. Medical Advisory Board (MAB)

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

The Board heard reports from the Education and Drug/Device/Protocol sub-committees.

COMMUNITY HEALTH – OEMSTS - Fiscal Year Data

June EMS Statistics	June 2021	June 2022	
Total Certificates Issued	70	72	↑
New Licenses Issued	61	58	↓
Renewal Licenses Issued (recert only)	0	2	↑
Driver Only	15	17	↑
Active Certifications: EMT	760	822	↑
Active Certifications: Advanced EMT	1610	1662	↑
Active Certifications: Paramedic	1771	1886	↑
Active Certifications: RN	64	59	↓

III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)

A. Planning and Preparedness

1. OPHP staff continue to assist the Health District and the community in responding to the COVID-19 pandemic. Many staff remain in SNHD activated ICS.
2. Staff continue to host and attend community meetings virtually with community and hospital partners.
3. Staff are working with internal staff who have been responding to the COVID-19 response as well as external partners to develop an interim action report for SNHD and the region.
4. OPHP conducted a Community Assessment for Public Health Emergency Response (CASPER) to be conducted on June 18th. The CASPER is a door-to-door survey which will be used to identify community opinions and gaps in services throughout the COVID-19 response to be included in the SNHD after action report.
5. OPHP is continuing to work with the County and the SNHD contractor to develop the regional and SNHD COVID-19 After Action Report.
6. OPHP is supporting the district's response to the monkeypox outbreak by working with the state and CDC to obtain vaccine for post-and pre-exposure prophylaxis for eligible person.

B. 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.

C. Hospital Preparedness Program (HPP)

1. 01 JUN – Hospital Preparedness Program (HPP) Liaison participated in a meeting with the State of Nevada Health and Human Service regarding Monkeypox vaccination and administration. This meeting was in preparation for potential outbreak of monkeypox in southern Nevada.
2. 02 JUN – HPP Liaison, as the Chair, Southern Nevada Healthcare Preparedness Coalition, convened the monthly healthcare coalition meeting providing a forum to discuss on-going operations in the community. Topics included Declaration of Emergency cessation, reminder of upcoming officer elections in January 2023, a presentation on Medical Countermeasures/ Strategic National Stockpile, partner updates, public health updates, upcoming training opportunities, upcoming exercises, and upcoming exercise meetings.
3. 06 JUN – HPP Liaison, as Deputy Planning Section Chief, participated in the SNHD Command & Staff/Tactics meeting for the health district. Also, HPP Liaison participated in a meeting to discuss Emergency Medical Services transportation procedures if Monkeypox virus appears in southern Nevada.
4. 08 JUN – HPP Liaison, as Deputy Planning Section Chief, participated in the SNHD Planning Meeting/Operational Period Brief.

5. 09 JUN – HPP Liaison convened the Highly Infectious Disease workgroup to review, reject, or accept changes to the final draft of the annex prior to submission to the coalition for approval at the July meeting. Also, HPP Liaison participated in the Harry Reid International Airport after-hours aircraft incident table-top exercise.
6. 14 JUN – HPP Liaison participated in the State of Nevada Microplanning meeting for Southern Nevada regarding COVID-19 operations.
7. 20 JUN – HPP Liaison, as Deputy Planning Section Chief, participated in the SNHD Command & Staff/Tactics meeting for the health district. Also, HPP Liaison met with a representative from the Post-Acute Medical (PAM) Specialty Hospital/Rehab to discuss the Southern Nevada Healthcare Preparedness Coalition, participation in community exercises, requirements for Medicare/Medicaid Services regarding emergency preparedness, and the community Hazard Vulnerability Analysis (HVA). Finally, the HPP Liaison participated in the Office of Public Health Preparedness COVID-19 After-Action Report.
8. 21 JUN – HPP Liaison hosted a workgroup to finalize the Radiation Response annex to the Southern Nevada Healthcare Preparedness Coalition's Response Plan. The group reviewed and approved the recommended changes to the annex. The annex will be provided to the healthcare coalition for approval during the July 2022 meeting
9. 22 JUN – HPP Liaison participated in a meeting on the Assistant Secretary for Preparedness and Response - emPOWER expansion plan for requesting and utilization of emPOWER data during emergencies. The participants demonstrated the current state of the team's developmental process and demonstrated the current capabilities. The participants provided feedback and asked questions on the upgrade to the emPOWER system. Also, the HPP Liaison, as the Deputy Planning Section Chief, participated in the planning meeting and operational period brief for the SNHD Incident Command System.
10. 23 JUN – HPP Liaison participated in an interview with an organization to identify gaps in the interaction between the healthcare coalitions and federally qualified health centers/health centers.
11. 28 JUN – HPP Liaison participated in the bi-weekly State of Nevada Microplanning session for Southern Nevada.
12. 29-30 JUN – HPP Liaison provided subject matter instruction to employees of the Southern Nevada Health District and community partners for Incident Command System 300 - Intermediate Incident Command System for Expanding Incidents.

D. Grants and Administration

OPHP staff are supporting SNHD and MACC/MSST COVID-19 response and logistical needs.

E. 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 May, one volunteer assisted at the SNPHL with test kit assembly and specimen accessioning. One nurse volunteer supported the COVID-19 vaccination community outreach site as vaccinator. Three volunteers supported SNHD ODS

with Safer Sex Kit assembly. Five volunteers assisted the SNHD immunization clinic at the intake desk. Total “accepted” volunteers stand at about 566. 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 Q3 COVID-19 Response and Non-Emergency

(Economic impact rates updated April 2022)

Activity	April	May	June
SNHD IMM CLINIC	0	40	
SNHD COVID-19 VAX OUTREACH	8	5	
SNPHL	3.25	2.75	
SNHD ODS Support	2	22.5	
Total Hours	13.25	70.25	
Economic impact	\$380.12	\$2,093.54	

IV. VITAL RECORDS

A. Vital Statistics

June 2022 is currently showing an 12% decrease in birth certificate sales in comparison to June 2021. Death certificate sales currently showing 6.8% increase in comparison to June 2021. SNHD received revenues of \$39,806 for birth registrations, \$24,752 for death registrations; and an additional \$9,134 in miscellaneous fees.

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Vital Statistics Services	June 2021	June 2022		FY 20-21 (June)	FY 21-22 (June)	
Births Registered	2,111	1,995	↓	24,299	24,765	↑
Deaths Registered	1,654	1,914	↑	23,663	24,396	↑
Fetal Deaths Registered	13	21	↑	215	199	↓

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Vital Statistics Services	June	June		FY 20-	FY 21-22	
	2021	2022		21 (June)	(June)	
Birth Certificates Sold (walk-in)	22	45	↑	86	292	↑
Birth Certificates Mail	114	121	↑	1,236	1,393	↑
Birth Certificates Online Orders	4,568	3,918	↓	43,629	45,992	↑
Birth Certificates Billed	105	140	↑	1,180	1,186	↑
Birth Certificates Number of Total Sales	4,809	4,224	↓	46,131	48,863	↑
Death Certificates Sold (walk-in)	32	15	↓	111	274	↑
Death Certificates Mail	166	119	↓	1,318	1,652	↑
Death Certificates Online Orders	7,771	8,393	↑	107,843	113,347	↑
Death Certificates Billed	44	35	↓	579	627	↑
Death Certificates Number of Total Sales	8,013	8,562	↑	109,851	115,900	↑

COMMUNITY HEALTH Vital Statistics Program - Fiscal Year Data

Vital Statistics Sales by Source	June	June		FY 20-21	FY 21-22	
	2021	2022		(June)	(June)	
Birth Certificates Sold Valley View (walk-in)	.5%	1.1%	↑	.2%	.6%	↑
Birth Certificates Mail	2.4%	2.9%	↑	2.7%	2.9%	↑
Birth Certificates Online Orders	95%	92.8%	↓	94.6%	94.1%	↓
Birth Certificates Billed	2.2%	3.3%	↑	2.6%	2.4%	↓
Death Certificates Sold Valley View (walk-in)	.4%	.2%	↓	.1%	.2%	↑
Death Certificates Mail	2.1%	1.4%	↓	1.2%	1.4%	↑
Death Certificates Online Orders	97%	98%	↑	98.2%	97.8%	↓
Death Certificates Billed	.5%	.4%	↓	.5%	.5%	

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Revenue	June	June		FY 20-21	FY 21-22	
	2021	2022		(June)	(June)	
Birth Certificates (\$25)	\$120,225	\$105,600	↓	\$1,153,275	\$1,221,575	↑
Death Certificates (\$25)	\$200,325	\$214,050	↑	\$2,746,275	\$2,897,500	↑
Births Registrations (\$13)	\$45,422	\$39,806	↓	\$458,185	\$462,371	↑
Deaths Registrations (\$13)	\$23,179	\$24,752	↑	\$319,139	\$328,679	↑
Convenience Fee (\$2)	\$9,346	\$8,378	↓	\$91,836	\$90,208	↓
Miscellaneous Admin	\$980	\$756	↓	\$8,951	\$10,895	↑
Total Vital Records Revenue	\$399,477	\$393,342	↓	\$4,777,661	\$5,011,228	↑

COMMUNITY HEALTH Passport Program – Fiscal Year Data

B. Passport Services

Passport Services is appointment only. Passport photos remain suspended.

Applications	June 2021	June 2022		FY 20-21 (June)	FY 21-22 (June)	
Passport Applications	774	585	↑	4,318	7,837	↑
Revenue	June 2021	June 2022		FY 20-21 (June)	FY 21-22 (June)	
Passport Execution/Acceptance fee (\$35)	\$27,090	\$20,475	↑	\$151,130	\$274,295	↑

V. HEALTH CARDS

A. Food Handling

1. Appointments
 - a. Currently, appointment availability is as follows:
 - Decatur and Henderson: December through the end of the year.
 - Mesquite: September through the end of the year.
 - Laughlin: October through the end of the year.
 - b. Saturday sessions planned for July 9th and 16th.
2. Low-Risk/Limited Health Cards

First session completed on June 8, 2022.

 - a. Class consisted of 7 clients from The Garden Foundation.
 - b. After training, each client demonstrated proficiency in handwashing and hygiene principles.
 - c. Received “Low Risk” Health Card valid for three years allowing them to perform specific duties in the workplace.
3. MGM Resorts International
 - a. 9 days during the month with capacity for 300 clients per day.
 - b. MGM Resorts employees did a 15-minute refresher training, then tested. If they passed the test with 70% or better, they were issued a completion certificate. With the certificate, employees could come in without an appointment to pay for and pick up their Health Cards.
 - c. Employees seen during the course of the project –
 - Employees that passed the food safety test and received certificates = 1,851
 - Did not pass = 109
 - Total of 1,960 employees seen
 - d. No overtime or comp time needed compared to sessions for the Wynn.

4. On-Line Renewals
 - a. Phillip Pilares in I.T. currently working on the project. Given two-week deadline by Jason Frame.
 - b. Testing should be conducted during week of July 5th.
 - c. Will plan roll-out with Communications to promote the enhancement for qualified clients.
5. Appointment reminder notifications
 - a. Enhancement has been developed and testing ongoing.
 - b. Clients to receive e-mail reminder 10 days prior to their appointment then another 1 to 2 days prior.
 - c. Future enhancement planned to send a text confirmation to clients. If they do not confirm their reservation, it will be cancelled, and the timeslot will become available to another client.
6. Other Items:

A second staff member transferred out and is now working in Environmental Health.

 - a. Currently recruiting for two positions.
 - b. Job posting to go up July 5th.
 - c. Interviews scheduled for first week of August.

SERVICES	Jun 1 - 30	May 1 - 31	Apr 1 - 30	Mar 1 - 31	Feb 1 - 28	Jan 1 - 31
Food Handler Cards - New	1,319	1,359	1,069	1,141	997	1,034
Food Handler Cards - Renewals	4,913	4,685	3,604	3,666	3,079	3,160
Duplicates	129	131	121	173	133	134
CFSM (Manager) Cards	201	146	142	170	145	134
Re-Tests	1,002	880	535	517	491	525
Body Art Cards	120	84	125	176	159	161
TOTALS	7,684	7,285	5,596	5,843	5,004	5,148

REVENUE - Point of Sale	Jun 1 - 30	May 1 - 31	Apr 1 - 30	Mar 1 - 31	Feb 1 - 28	Jan 1 - 31
Food Handler Cards - New	\$26,380.00	\$27,180.00	\$21,380.00	\$22,820.00	\$19,940.00	\$20,680.00
Food Handler Cards - Renewals	\$98,260.00	\$93,700.00	\$72,080.00	\$73,320.00	\$61,580.00	\$63,200.00
Duplicates	\$2,580.00	\$2,620.00	\$2,420.00	\$3,460.00	\$2,660.00	\$2,680.00
CFSM (Manager) Cards	\$4,020.00	\$2,920.00	\$2,840.00	\$3,400.00	\$2,900.00	\$2,680.00
Re-Tests	\$5,010.00	\$4,400.00	\$2,675.00	\$2,585.00	\$2,455.00	\$2,625.00
Body Art Cards	\$2,400.00	\$1,680.00	\$2,500.00	\$3,520.00	\$3,180.00	\$3,220.00
Late Fee	N/A	N/A	N/A	N/A	N/A	N/A
TOTALS	\$138,650.00	\$132,500.00	\$103,895.00	\$109,105.00	\$92,715.00	\$95,085.00

B. COVID-19 Activities

1. Continued oversight of door screener.
2. Current door screener will end her assignment at close-of-business Friday, July 8th. Replacement temp worker requested through NeoGov.

VI. HEALTH EQUITY

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 participate in community-based coalitions and workgroups addressing COVID-19 health disparities, testing and vaccination initiatives.
3. The program continues to collaborate with the Ryan White program in their HIV Stigma reduction project, providing technical assistance and support.
4. On June 13th and 23rd, the Health Equity program conducted Health Equity 101 trainings for the Office of Epidemiology and Disease Surveillance.

VII. SOUTHERN NEVADA PUBLIC HEALTH LABORATORY (SNPHL)

A. Clinical Testing

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. Total monthly samples tested are listed in the following table:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	76	80
NAAT NG/CT	1309	1158
Syphilis	983	823
RPR/RPR Titers	227/80	162/82
Hepatitis Total	868	628
HIV/differentiated	667/16	515/14
HIV RNA	58	45

B. 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 June, the average daily testing was 544 and the average turnaround time was 35 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 798 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/#POS	COVID-19	# PCR/#POS
January	35322/14313	July	
February	11532/1407	August	
March	6890/219	September	
April	5576/308	October	
May	9130/1165	November	
June	11975/1999	December	

C. 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						
	Campy Screen	6	2	3	10	3	9						
Neisseria species	Gonorrhoeae Culture	86	61	108	87	61	76						
	Gram Stain/WBC	16	0	0	0	0	0						
	Neisseria ID	4	0	0	0	0	0						
	Haemophilus ID	4	0	3	1	2	4						
Unknown ID	Bacterial ID	3	0	0	0	0	0						
	WGS (PulseNet)	14	16	14	18	21	28						
Salmonella	Salmonella Screen	10	10	11	14	19	10						
	Salmonella Serotype	8	10	11	12	18	10						
Shigella	Shigella Screen	6	1	2	5	2	7						
	Shigella Serotype	5	1	1	1	0	6						
STEC	STEC Screen	7	10	6	10	7	4						
	STEC Serotype	2	10	1	0	2	2						
Unknown	Stool Culture	0	1	19	2	2	0						
Vibrio	Vibrio ID	0	0	0	0	0	0						
	Vibrio Screen	0	0	0	0	0	0						
Yersinia	Yersinia Culture/ID	0	0	1	0	0	0						

D. Epidemiological Testing and Consultation

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. Conducted 1 outbreak investigations in June.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). SNPHL performed June, 37 respiratory panels on the BioFire.

E. 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.

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						

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 28 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in June 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 June 2022, SNPHL has sequenced 582 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						

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 June, we test a total 450 mosquito pools samples.
11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in June, a total of 76 clinical isolates, *Neisseria gonorrhoeae* 76 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.

F. All-Hazards Preparedness

1. SNPHL provides/assists testing for SNHD COVID-19 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-19 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-19 online ordering application for long-term care facilities.

G. June 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 placed 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 is expected to be complete on Thursday, July 28, 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-19 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-19 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 June, 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.
8. Currently our BSL-3 laboratory has detected three possible Monkeypox cases. One of them has been confirmed by CDC for Monkeypox and the other two samples has been sent to CDC this week to CDC for confirmation test.

H. COMMUNITY HEALTH – SNPHL – Calendar Year Data

SNPHL Services	YTD-June 2021	June 2022	
Clinical Testing Services ¹	3019	5689	↑
Epidemiology Services ²	242	950	↑
State Branch Public Health Laboratory Services ³	13881	11924	↓
All-Hazards Preparedness Services ⁴	40	7	↓
Environmental Health Services ⁵	0	0	0

- 1 Includes N. Gonorrhoeae culture, GISP isolates, Syphilis, HIV, CT/GC molecular, Gram stain testing, and COVID-19 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.