



# Memorandum

**Date:** November 2, 2021

**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 – October 2021

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

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

CDPP staff conducted healthy eating on a budget workshops at Truth Christian Ministries International (TCMI) and International Church Las Vegas (ICLV) in September. Both workshops were conducted in Spanish for food pantry volunteers and church members. Four people attended the TCMI training, and 34 people attended the ICLV training. Educational materials including cutting boards and apple slicers were distributed.

In September, CDPP staff conducted an in-person DSME Maps class at the Heinrich YMCA. One of the new DSME facilitators who was trained in August helped to facilitate the course. Two participants completed the DSME Maps class at the YMCA. Also, in September, CDPP staff piloted a virtual DSME Maps class. The pilot course has 2 participants and will wrap up in October.

In September, CDPP staff wrapped up the second 'With Every Heartbeat is Life' (WEHL) class. The 11-week class was offered at the Martin Luther King Jr. Senior Center with 10 of 12 participants completing the course. The class teaches individuals strategies to self-monitor and manage their blood pressure. Also, in September, a third salon was added to the BeSHOP project. Twelve people (owners and stylists) from The Beautiful Studio were trained and onboarded and the first screening, education and referral event was held in September. A total of 8 people were screened during the initial screening.

Our Move Your Way initiative wrapped up in September. To commemorate Childhood Obesity Awareness Month and to wrap up our Move Your Way initiative, CDPP participated in the Healthy Kids Festival in September to provide opportunities for physical activity and healthy eating for children and families. We distributed physical activity equipment (frisbees and jump ropes) and provided Move Your Way resources to parents and children in English and Spanish. Approximately 800 people participated in the event. The U.S. Health & Human Services Office of Chronic Disease Prevention developed a Move Your Way

Success Story that highlighted SNHD and our first Move Your Way initiative. The success story was published in September by NACCHO in an existing Compendium Resource document.

In partnership with the RTC, Vegas Roots' Veggie Buck Truck, 3 weekly pop-up produce markets were held in September at the RTC Bonneville Transit Station. The markets accepted SNAP/EBT, Credit/Debit and cash as forms of payment and those who paid using their SNAP card were eligible for a Double Up Food Bucks (DUFB) coupon to use later. A press release generated multiple earned new stories including 3 television and 1 newspaper article. In total, the markets generated 157 transactions, \$888 in sales. Nearly half of the total sales were WIC, SNAP/EBT or DUFB transactions.

CDPP staff worked with representatives from Searchlight and the Southern Nevada Food Council to conduct an assessment on food resources available in Searchlight. A mailer that included available food resources was mailed to over 588 residents in Searchlight in September. CDPP also worked with the Southern Nevada Food Council to send a letter to encourage the Denny's in Searchlight to provide grocery services to Searchlight residents, allowing them to order essential items such as bread, meats, cheese, etc. and pick them up from Denny's. Clark County has offered to change Denny's business license to allow them to offer that service free of charge. Advocates in Searchlight are working with Denny's to submit the necessary paperwork to Clark County so that the change can be made.

The CDPP team participated in several community outreach events in September including Pop Up Produce Markets at BTC, Healthy Kids Festival at Bob Price Park, and the Votes and Vaccines event at the Las Vegas Indian Center.

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

On September 2, 2021 the UNLV University Policy Committee voted unanimously to approve a campus wide tobacco-free policy. The new policy eliminates the use of combustible tobacco products and electronic vapor products on the main campus and leased properties. For the past few months staff worked with UNLV stakeholders from the School of Public Health to draft policy language, gather community support, and secure cessation resources. Moving forward staff will work closely with UNLV on educational and marketing pieces for students, residents, faculty, staff, and visitors informing them of the new policy and the various cessation resources available. In addition, staff will work collaboratively with the UNLV School of Public Health on an evaluation project to monitor tobacco use, attitude, behavior, and trends pre- and post-policy. The policy is expected to be effective Fall Term 2022.

The youth virtual training project was completed in September. The goal of the training was to increase awareness and prevent initiation of electronic vapor products and other tobacco products. The virtual training used influential teens in a popular social media format (Tik Tok style) to dispel the myths and provide truths around vaping. This month, 508 youth completed the video training bringing the total number of youths trained to 7,636.

TCP staff participated in the Las Vegas Lights soccer event held on September 25, 2021 at Cashman Field. Staff promoted cessation services prior to the beginning of the game. During the game, event organizers promoted the Spanish cessation initiative – Por Mi Por Ti Por Nosotros Viva Saludable. Messages about smoke and vape-free living were transmitted and a video to promote cessation in Spanish was played during the half-time show. Staff also participated in the Fiestas

Patrias/Mexican Independence Day event at Lorenzi Park Plaza on 9/12/21. This outdoor event was smoke and vape-free. Spanish-language signage was posted throughout the grounds. Cessation information was transmitted live during the event. Staff also distributed culturally appropriate cessation information during the event.

The SNHD hosted a signature Native Hawaiian Pacific Islander music concert that promoted tobacco-free lifestyles on September 25th at the Green Valley Ranch Grand Events Ballroom. The event was filled with community leaders, Kumu hulas, hula dancers, and others. Hawaiian award-winning recording artist Josh Tatofi performed and entertained the guests. Tobacco cessation resources were displayed throughout the venue and were distributed to the 800 event attendees.

This month staff participated in a meeting with Huntsman Cancer Center, SNHD FQHC leadership, and NV Primary Care Assoc to discuss SNHD being a pilot site for a grant project to better utilize our EHR for HPV and tobacco referrals. This was the first of several meetings where EHR workflow and modifications will be discussed. This should result in increased electronic referrals from SNHD.

### **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. In September:

1. NICRP staff completed final updates to the COVID-19 and Flu Vaccination Survey Reports/Needs Assessment with African Americans and Hispanics (REACH priority populations). Overall, low levels of vaccine hesitancy were found, but of those who were vaccine hesitant, the most common reasons included that the vaccine was too new/not enough safety information and concern over side effects. Significantly, more respondents reported hesitance toward the flu vaccine than toward the COVID-19 vaccine. Needs assessment findings will be used to target intervention and social marketing efforts throughout the project.
2. To date, 90 influential messengers have been trained by SNHD staff and contractors.
3. Staff and contractors participated in multiple community events to distribute information and promote vaccination to an estimated 3,450 people in September.
4. Fourteen pop up vaccine clinics were offered in REACH priority zip codes during September vaccinating 63 people for COVID-19 and 28 people for flu.
5. A targeted media campaign to promote flu vaccination among priority populations launched in September. Over 5,687 people were reached through various communication efforts/campaigns in September.
6. Seven pop up vaccine clinics were held in priority areas during September. Eighty-eight people were vaccinated at these events and 94% of those were receiving a COVID-19 vaccine and 79% of those receiving a flu vaccine were representatives from one of our priority populations.

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

### **A. 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 continues its work on proposed revisions to the Clark County EMS Emergency Medical Care Protocols.

### **B. 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 discussed changing the scope of practice to allow EMTs to monitor already established saline locks for interfacility transports. They also continued their discussion of the education component for cardiac arrest management.

### **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.

Nominations were opened for the positions of Chair and Vice Chair.

The Board heard committee reports and discussed a pilot program for on-line medical control by agency medical directors.

### **D. Regional Trauma Advisory Board (RTAB)**

The RTAB is an advisory board with the primary purpose of supporting the Health Officer's role to ensure a high-quality system of patient care for the victims of trauma within Clark County and the surrounding areas. The RTAB makes recommendations, and assists in the ongoing design, operation, and evaluation of the system from initial patient access to definitive patient care.

Nominations were opened for the positions of Chair and Vice Chair. The Board agreed not to make any revisions related to Step 4 patients in the Trauma Field Triage Criteria. They also reviewed and discussed the 2nd quarter 2021 trauma transport data.

The Board endorsed Mike O'Callahan Military Medical Center to deliver trauma services to Clark County.

**COMMUNITY HEALTH – OEMSTS - Fiscal Year Data**

<b>October EMS Statistics</b>	<b>Oct. 2020</b>	<b>Oct. 2021</b>	
<b>Total Certificates Issued</b>	57	47	↓
<b>New Licenses Issued</b>	51	44	↓
<b>Renewal Licenses Issued (recert only)</b>	0	0	=
<b>Driver Only</b>	21	11	↓
<b>Active Certifications: EMT</b>	857	810	↓
<b>Active Certifications: Advanced EMT</b>	1681	1606	↓
<b>Active Certifications: Paramedic</b>	1864	1775	↓
<b>Active Certifications: RN</b>	60	60	=

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

#### **A. Planning and Preparedness**

1. OPHP staff continue to assist the District and the community in responding to the COVID-19 pandemic. Many staff remain in SNHD ICS functions, as well as County MACC/MSST positions.
2. Staff continue to host and attend community meetings virtually with community and hospital partners.
3. Staff are continuing to work with Organizational Development to locate and provide documentation for accreditation.
4. Staff are working with internal staff who have been responding to the COVID-19 response as well as external partners to develop an interim after-action report for SNHD and the region.

#### **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. 37 fit tests completed.

#### **C. Hospital Preparedness Program (HPP)**

1. 04 OCT – HPP Liaison participated in the State of Nevada Microplanning session for COVID-19 vaccine, receipt, and distribution. HPP Liaison, as Planning Section Chief, led the Operations Period Brief for the SNHD ICS Testing Team.
2. 05 OCT – HPP Liaison participated in the tactics meeting for the SNHD ICS Testing Team.
3. 07 OCT – HPP Liaison, as Chair, Southern Nevada Healthcare Preparedness Coalition, led the healthcare coalition meeting for the month of October 2021, for the coalition members. Information sharing included upcoming planning meetings, updates from community partners, and a special agenda item discussion on EMTrack, the patient tracking application used for an all-hazards event in the community. Also, the HPP Liaison, as the Planning Section Chief, led the planning meeting for the SNHD ICS Testing Team.
4. 11 OCT - HPP Liaison, as the Planning Section Chief, led the Operations Period brief for the SNHD ICS Testing Team. Highlight of this meeting was the announcement of the transition between the Incident Commander, departing SNHD, and the Deputy Incident Commander into the Incident Commander role.
5. 12 OCT – HPP Liaison, as the Planning Section Chief, participated in the tactics meeting for the SNHD ICS Testing Team.
6. 13 OCT – OPHP met with Councilman Brian Knudsen to provide him with an overview of the Office of Public Health Preparedness, the roll of OPHP in the pandemic, and introduce the councilman to each program under the auspice of the OPHP leadership. HPP provided updates on the role of HPP, the role of the Southern Nevada Healthcare Preparedness Coalition, and the collaboration between HPP and the community.

7. 14 OCT – The HPP Liaison, as the Planning Section Chief, led the planning meeting for the SNHD ICS Testing Team. Also, the HPP Liaison attended the University Medical Center Emergency Management Committee meeting providing updates on the upcoming Southern Nevada Healthcare Preparedness Coalition, upcoming trainings, meetings, and educational opportunities.
8. 15 OCT – The HPP Liaison convened the Concepts & Objectives/Initial Planning Meeting with members of the Southern Nevada Healthcare Preparedness Coalition for a Call Down Exercise in 2022.
9. 18-21 OCT – The Hospital Preparedness Program (HPP) Liaison attended the initial class of the Master Exercise Practitioner’s Program course at the FEMA National Emergency Training Center in Maryland. This course teaches advanced techniques, requirements, and documentation needed to plan, prepare, and execute an exercise for the Southern Nevada Health District and the Southern Nevada Healthcare Preparedness Coalition.
10. 25 OCT – The HPP Liaison attended the State of Nevada’s Micro-planning meeting to discuss the COVID-19 vaccination strategy going forward. The HPP Liaison, as Planning Section Chief for the SNHD ICS COVID-19 TESTING TEAM convened the Operational Period Brief for Operational Period 85.
11. 27 OCT – The HPP Liaison attended the Incident Command System Transition Planning meeting discussing the way ahead for merging two separate and distinct teams into one Incident Command System. The HPP Liaison also attended a Safety meeting with the Incident Command – Vaccination team to discuss mitigation strategy and way ahead for safety and security at vaccination sites for future offerings. Finally, the HPP Liaison/Chair, Southern Nevada Healthcare Preparedness Coalition attended the Hazard Vulnerability Analysis subcommittee for the initial update to the Hazard Vulnerability Analysis for 2022 for the Healthcare Coalition.
12. 28 OCT – No Activity planned.

**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.

MRC Activities for September 2021:

In September, medical and non-medical volunteers were deployed to support COVID-19 vaccination at the SNHD South Clinic (formerly the site of the non-congregate shelter) as medics and support personnel. Volunteers assisted at the SNPHL. Total “accepted” volunteers stand at about 594. MRC Coordinator recruited, vetted, assigned, and deployed volunteers to all sites. MRC Coordinator continues to recruit 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 first quarter of this fiscal year.

**F. MRC Volunteer Hours FY2022 Q1 COVID-19 Response and Non-Emergency**

(Economic impact rates updated July 2021)

Activity	July	August	September
COVID VAX POD	138.5	147.75	150.75
SNPHL	54	128.5	129
SNHD Records Q.A.	48.5	0	0
Back-to-School	81	154.75	0
<b>Total Hours</b>	<b>322</b>	<b>431</b>	<b>279.75</b>
<b>Economic Impact</b>	<b>\$12,692.71</b>	<b>17,044.09</b>	<b>12,167.14</b>

**IV. VITAL RECORDS**

**A. Vital Statistics**

October 2021 showed a 3.5% decrease in birth certificate sales in comparison to October 2020. Death certificate sales showed a 18% increase for the same time frame. SNHD received revenues of \$30,030 for birth registrations, \$26,429 for death registrations, and an additional \$7,479 in miscellaneous fees.

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

Vital Statistics Services	Oct 2020	Oct 2021		FY 20-21 (Oct)	FY 21-22 (Oct)	
Births Registered	2,097	2,127	↑	8,644	8,843	↑
Deaths Registered	1,692	2,019	↑	7,520	8,284	↑
Fetal Deaths Registered	17	13	↓	63	68	↑

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

Vital Statistics Services	Oct 2020	Oct 2021		FY 20-21 (Oct)	FY 21-22 (Oct)	
Birth Certificates Sold (walk-in)	10	36	↑	23	112	↑
Birth Certificates Mail	97	86	↓	391	422	↑
Birth Certificates Online Orders	3,137	3,000	↓	13,937	16,494	↑
Birth Certificates Billed	78	83	↑	373	375	↑
<b>Birth Certificates Number of Total Sales</b>	<b>3,322</b>	<b>3,205</b>	<b>↓</b>	<b>14,724</b>	<b>17,403</b>	<b>↑</b>
Death Certificates Sold (walk-in)	4	46	↑	22	132	↑
Death Certificates Mail	122	92	↓	415	439	↑
Death Certificates Online Orders	7,790	9,228	↑	34,064	37,829	↑
Death Certificates Billed	52	43	↓	170	231	↑
<b>Death Certificates Number of Total Sales</b>	<b>7,968</b>	<b>9,409</b>	<b>↑</b>	<b>34,671</b>	<b>38,631</b>	<b>↑</b>



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

<b>Vital Statistics Sales by Source</b>	<b>Oct 2020</b>	<b>Oct 2021</b>		<b>FY 20-21 (Oct)</b>	<b>FY 21-22 (Oct)</b>	
Birth Certificates Sold Valley View (walk-in)	.3%	1.1%	↑	.2%	.6%	↑
Birth Certificates Mail	2.9%	2.7%	↓	2.7%	2.4%	↓
Birth Certificates Online Orders	94.4%	93.6%	↓	94.7%	94.8%	↑
Birth Certificates Billed	2.3%	2.6%	↑	2.5%	2.2%	↓
Death Certificates Sold Valley View (walk-in)	.1%	.5%	↑	.1%	.3%	↑
Death Certificates Mail	1.5%	1%	↓	1.2%	1.1%	↓
Death Certificates Online Orders	97.8%	98.1%	↑	98.2%	97.9%	↓
Death Certificates Billed	.7%	.5%	↓	.5%	.6%	↑

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

<b>Revenue</b>	<b>Oct 2020</b>	<b>Oct 2021</b>		<b>FY 20-21 (Oct)</b>	<b>FY 21-22 (Oct)</b>	
<b>Birth Certificates (\$25)</b>	\$83,050	\$80,125	↓	\$368,100	\$435,075	↑
<b>Death Certificates (\$25)</b>	\$199,200	\$235,225	↑	\$866,775	\$965,775	↑
<b>Births Registrations (\$13)</b>	\$33,202	\$30,030	↓	\$147,940	\$163,293	↑
<b>Deaths Registrations (\$13)</b>	\$23,413	\$26,429	↑	\$102,819	\$111,865	↑
<b>Convenience Fee (\$2)</b>	\$6,700	\$6,656	↓	\$29,717	\$34,770	↑
<b>Miscellaneous Admin</b>	\$831	\$823	↓	\$2,770	\$3,630	↑
<b>Total Vital Records Revenue</b>	\$346,396	\$379,288	↑	\$1,518,121	\$1,714,408	↑

Totals subject to change once month balances out, pulled 11/2/21

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

**B. PASSPORT SERVICES**

Due to the pandemic, Passport Services moved to appointment only. Passport photos remain suspended.

<b>Revenue</b>	<b>Oct 2020</b>	<b>Oct 2021</b>		<b>FY 20-21 (Oct)</b>	<b>FY 21-22 (Oct)</b>	
Passport Execution/Acceptance fee (\$35)	\$14,350	\$19,740	↑	\$33,810	\$84,035	↑
Passport Photo Fee (\$12)						
<b>Total Passport Program Revenue</b>	\$14,350	\$19,740	↑	\$33,810	\$84,035	↑

**V. HEALTH CARDS**

**A. Food Handling**

1. Appointments
  - a. Currently booked through December 31, 2021.
  - b. Appointments posted for January 2022 across all offices with the exception of East Las Vegas.
  - c. Deadline to obtain a card is still December 31, 2021.
  - d. Late fees still being waived.
2. East Las Vegas Move
  - a. Health Cards will shut down at close-of-business November 10, 2021.
  - b. E-mail sent to East LV clients with appointments from November 12 through December instructing them to report to Decatur with the same date and time.
  - c. Additional testing stations to be set up in the café to cover the overflow from East. Partitions are in place, iPads to be installed prior to November 12.
3. Outside Training Agreement
  - a. Worked with EH Regulatory Support Office staff so outside entities can submit their food safety course, test and workflow for review. If approved, a 3-year agreement is made so their clients can present a completion certificate in lieu of our “in office” test.
  - b. First entity approved – Southwest Technical and Career Academy. In-process – Mojave High School PACE Program.
  - c. Internal Policy and Procedure drafted and will be submitted for review and approval.

SERVICES	Oct 1 - 31	Sep 1 - 30	Aug 1 - 31	Jul 1 - 30	Jun 1 - 30
Food Handler Cards - New	1,294	1,296	1,325	1,270	1,071
Food Handler Cards - Renewals	3,788	4,330	3,953	3,708	4,512
Duplicates	164	203	229	210	271
CFSM (Manager) Cards	147	153	154	131	161
Re-Tests	537	609	597	442	407
Body Art Cards	145	170	170	113	151
<b>TOTALS</b>	<b>6,075</b>	<b>6,761</b>	<b>6,428</b>	<b>5,874</b>	<b>6,573</b>

<b>REVENUE - Point of Sale</b>	<b>Oct 1 - 31</b>	<b>Sep 1 - 30</b>	<b>Aug 1 - 31</b>	<b>Jul 1 - 30</b>	<b>Jun 1 - 30</b>
Food Handler Cards - New	\$25,880.00	\$25,920.00	\$26,500.00	\$25,400.00	\$21,420.00
Food Handler Cards - Renewals	\$75,760.00	\$86,600.00	\$79,060.00	\$74,160.00	\$90,240.00
Duplicates	\$3,280.00	\$4,060.00	\$4,580.00	\$4,200.00	\$5,420.00
CFSM (Manager) Cards	\$2,940.00	\$3,060.00	\$3,080.00	\$2,620.00	\$3,220.00
Re-Tests	\$2,685.00	\$3,045.00	\$2,985.00	\$2,210.00	\$2,035.00
Body Art Cards	\$2,900.00	\$3,400.00	\$3,400.00	\$2,260.00	\$3,020.00
Late Fee	N/A	N/A	N/A	N/A	N/A
<b>TOTALS</b>	<b>\$113,445.00</b>	<b>\$126,085.00</b>	<b>\$119,605.00</b>	<b>\$110,850.00</b>	<b>\$125,355.00</b>

**B. COVID-19 Activities**

1. Continued oversight of door screener.
2. Thanks to Jorge Viote and Rosanna Silva-Minnich with the Volunteer group, we have an additional person to cover for lunch and any afternoon rush.

**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.

- A. The program finalized the execution of two service agreement contracts with UNLV's Kirk Kerkorian School of Medicine. The School of Medicine will implement a monthly community clinic to provide COVID-19 related services and other preventative services. The School will also expand its CARE program providing outreach and client navigation services.
- B. The program continues to participate in community-based coalitions and workgroups addressing COVID-19 health disparities, testing and vaccination initiatives.

**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 reference laboratory for determination of antibiotic susceptibility patterns. SNPHL has also joined eGISP Part B to expand culture-independent testing for antimicrobial resistance genes of gonococcal isolates.

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

Test Name	Monthly Count	Avg Year to Date
GC Cultures	68	58
NAAT NG/CT	1219	1041
Syphilis	632	483
RPR/RPR Titers	68/127	94/115
Hepatitis Total	428	337
HIV/Differentiated	436/7	342/9
HIV RNA	28	32

**B. COVID-19 Testing**

1. SARS-CoV-2 PCR extraction is currently performed on the King Fisher Flex platform only.
2. SNPHL’s goal is to maintain capacity of 1,000-1,500 tests/day) with turn-around-time of <48 hours (TAT 2Day- currently at/near goal).
3. For October, the average daily capacity was 969 and average turnaround time was 28.3 hours for PCR testing from collection date to release the test report. The average laboratory total test capacity for SARS-CoV-2 including Aptima NAAT testing is 179 tests per day.
4. IT created easy patient accession and direct report verification from SNPHL LIS into SNHD patient report portal.
5. Incorporate high through put instrument such as Eppendorf 5073 automation of specimen fluid handling station.
6. Working on a CCSD initiative to evaluate COVID-19 on random selected samples of Clark County students and staff.

Monthly summary of COVID-19 PCR testing is listed as follows:

COVID	# PCR/#POS	COVID	# PCR/#POS
January	15,626/1802	July	28,334/3,215
February	10,477/502	August	25,759/3,080
March	12, 605/302	September	19,370/1,657
April	11,346/476	October	
May	12,268/429	November	
June	13,881/661	December	

**C. Reportable Disease Reports**

SNPHL continues to perform routine testing of reportable disease specimens submitted to SNPHL. Isolates are reported to OEDS on a weekly basis to aid in disease investigation, and SNPHL and OEDS coordinate with CDC PulseNet, if required.

Monthly summary of reportable diseases tests is listed as follows:

2021		Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct
Campylobacter	Campy ID	7	6	13	4	14	19	10	7	2	2
	Campy Screen	9	7	21	9	19	25	15	10	4	4
Neisseria Species	Gonorrhoeae Culture	42	59	82	55	40	49	47	68	65	68
	Gram Stain/WBC	0	0	0	5	0	2	0	5	0	0
	Neisseria ID	2	1	9	1	1	6	2	2	6	0
	Haemophilus ID	1	0	4	0	0	3	3	6	1	2
Unknown ID	Bacterial ID	5	0	5	3	0	9	5	37	14	15
	WGS (PulseNet)	15	26	27	25	45	62	27	36	51	19
Salmonella	Salmonella Screen	8	17	22	10	24	19	13	16	14	10
	Salmonella Serotype	8	13	21	10	18	20	11	15	9	9
Shigella	Shigella Screen	1	8	7	8	7	12	7	3	0	5
	Shigella Serotype	0	5	2	5	4	6	3	2	3	3
STEC	STEC Screen	0	1	1	2	3	17	8	4	3	2
	STEC Serotype	0	1	1	1	1	16	2	0	1	1
Unknown	Stool Culture	0	5	0	11	0	5	0	5	5	0
Vibrio	Vibrio ID	0	0	3	0	0	1	1	5	0	1
	Vibrio Screen	0	0	3	0	0	5	3	8	1	1
	Yersinia Culture/ID	0	1	1	2	2	2	0	1	0	0

**D. Epidemiological Testing and Consultation**

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. Conducted 2 outbreak investigations in October.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). SNPHL performed in September, 34 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 such as the Public Health Laboratory Information System (PHLIS), National Antimicrobial Resistance Monitoring System (NARMS), Influenza Surveillance, and PulseNet Bacterial Outbreak Surveillance.
2. There were no possible select agent rule out isolates submitted to SNPHL in October.

3. The infant bot case is completed. Two different formulas were tested, and results indicated there were no findings of Clostridium botulinum in the formulas.
4. SNPHL's additional mission is as a member of the CDC Laboratory Response Network (LRN) testing for identification of potential biological weapons/agents on environmental daily samples within its unique BSL3 environment.

2021	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct
Select Agent Rule out (total PCR)	0	2	3	8	2	1	0	2	2	0

5. SNPHL is clinically validated for the identification of Campylobacter species (select species), pathogenic Escherichia coli, Salmonella species, and for DNA-based identification of Salmonella serotypes.
6. SNPHL performed 19 Whole Genome Sequencing tests (WGS) as part of PulseNet in October 2021.
7. SNPHL is now using whole genome sequencing and toxin testing to type of STEC (Shiga toxin-producing E. coli), improving workflow and turnaround time of reporting.
8. SNPHL has validated one group of bacteria for the Bruker MALDI-TOF instrument for streamlined screening of bacterial isolates, to decrease turnaround time and modernize microbiological identification methods.
9. SNPHL is validated for sequencing SARS-CoV-2 and identifying variants of interest through the identification of lineages and clades.
10. SNPHL has sustained capacity of sequencing a number of 48 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing and method development. As of October 2021, SNPHL has sequenced 192 SARS-CoV-2-positive RNA extracts.
11. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

2021	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct
Legionella	0	1	1	1	11	1	0	4	6	0

12. 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. There were not any positive mosquito pools for WNV in October.

**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 on chain of custody procedures.

**G. October 2021 SNPHL Activity Highlights**

1. Laboratory started to receive COVID-19 samples from CCSD on September 1, 2021. SNPHL received a total number of 1,322 COVID-19 samples in October.
2. SNPHL has a stable FEMA supply of Viral Transport Medium (VTM) used in COVID-19 collection kits.
3. Lab Space Build-out: Total re-model into downstairs warehouse build out area is being explored, with different options examined. Minor change of the office design has been submitted for approval. Construction completion date is planned for 1/31/2022.
4. New Laboratory Manager will report to work on Monday, November 29, 2021. The Laboratory Administrative Coordinator accepted the offer and will also report to work on Monday, November 29, 2021.
5. Two 7500 DX Fast Real-Time PCR platforms are scheduled to be delivered to the laboratory the week of November 1, 2021. We are in the process of scheduling installation and preparing for validation. These devices will aid our laboratory in increasing COVID-19 PCR testing capacity.
6. The NextSeq 2000 whole genome sequencer has been delivered to the laboratory. This high throughput WGS instrument can increase our WGS test capacity from 48 to almost 400 test per week. The epMotion liquid handler and Milli-Q IQ7000 purification systems have also been purchased and we are waiting for the delivery schedule.
7. SNPHL's COVID-19 whole genome sequencing data has been successfully uploaded to TERRA, the state sequencing database. Because SNPHL requires additional time to complete their stock of samples in their laboratory, SNPHL has temporarily halted sending sequencing samples to them.
8. Laboratory passes the LPX-B PT with 100%. This is a critical PT for sentinel laboratories to ensure they are competent in performing American Society for Microbiology (ASM) laboratory test guidelines on suspected agents of bioterrorism. SNPHL received notification from participating local sentinel laboratories as this is a portion of the survey to exercise communication regarding possible bioterrorism agents identified to their LRN laboratory.
9. The contact information for nursing homes and long-term care facilities information has been uploaded into the SNHD PHL web portal and will allow providers to print their group reports and receive an email notification one hour after their reports are released. Notification letters will be emailed to providers on Monday, November 1, 2021 that PHL will not call providers for positive cases by phone and they should instead use the web portal to receive their reports.

**H. COMMUNITY HEALTH – SNP HL – Calendar Year Data**

SNPHL Services	YTD Oct 2020	YTD Oct 2021	
Clinical Testing Services <sup>1</sup>	10,363	3,737	↓
Epidemiology Services <sup>2</sup>	85	224	↑
State Branch Public Health Laboratory Services <sup>3</sup>	9,902	18,933	↑
All-Hazards Preparedness Services <sup>4</sup>	19	7	↓
Environmental Health Services <sup>5</sup>	0	281	↑

- <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-19 PCR, WGS and LRN testing, proficiency samples, reporting to CDC, courier services, infectious substance shipments, teleconferences, trainings, presentations and inspections, samples submitted to CDC or other laboratories' submissions.
- <sup>4</sup> Includes Preparedness training, teleconferences, Inspections.
- <sup>5</sup> Includes vector testing.