



Memorandum

Date: January 10, 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 – November 2021

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

A. Chronic Disease Prevention Program (CDPP)

A discounted bike share program for SNAP users was launched in October. This is a partnership between the CDPP and the RTC. There are two discounted options available – a monthly and an annual pass. Flyers promoting the program have been distributed to partners and agencies serving SNAP recipients. To date, 3 annual passes have been sold and 26 monthly passes have been sold.

The CDPP sponsored the Breastfeeding Symposium in October in partnership with the Southern Nevada Breastfeeding Coalition (SNBFC). The symposium featured Melissa Cole, MS, IBCLC and provided instruction and training on infant oral assessments and clinical lactation tools. Additionally, as part of our REACH grant partnership with SNBFC and a local healthcare provider, 2 scholarships to become a Certified Lactation Educator (CLE) were awarded to individuals who work with women from priority populations to encourage and support breastfeeding. A total of 17 people applied for the scholarships. Those who weren't awarded a scholarship were provided with free tickets to the breastfeeding symposium.

In October, CDPP staff and interns participated in 4 community events: Battle Born Kids Day, Step up for Kids Day, Indigenous People's Day and the Annual Community Barbeque. Each event was selected for participation based on the ability to reach our priority population and provide culturally appropriate resources and educational materials. In total, approximately 850 bags with educational materials were provided to event attendees.

CDPP staff presented at the Southern Nevada Strong Advisory Committee meeting in October on the Pop-Up Produce Markets held in September (and previously reported on) at the Bonneville Transit Center.

B. Tobacco Control Program (TCP)

The TCP Because We Matter program worked with an African American church to provide tobacco-related education at their family night event. This month, a cessation brochure was developed to reach the African American community. Additionally, an in-kind print ad promoting tobacco cessation was placed in the Urban Voice magazine.

This month staff sponsored an event at Mater Academy ELV to promote cessation and smoke-free living through the Spanish cessation program, Por Mi Por Ti Por Nosotros Viva Saludable. Mater Academy ELV is a charter school serving predominantly low socioeconomic students and families, many of whom are Spanish speaking. The event promoted cessation resources through banners, announcements, resource handouts and two :30 commercial ads. The event reached more than 1,000 people. Staff was invited to participate in a Spanish language radio show on Fiesta Radio 98.1. Staff utilized this opportunity to reach the Latinx community to promote the Spanish cessation program. Staff also talked about the health dangers of smoking and vaping and promoted the Spanish cessation Quitline.

In October, the TCP launched a media campaign focused on the development and expansion of tobacco free policy. The campaign consists of online media, e-blasts, electronic newsletters distributed by the Chambers of Commerce, radio, print, and social media. Media campaign impressions total 460,000.

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 October, Staff and project evaluator, Nevada Institute for Children's Research and Policy (NICRP), continued to plan the upcoming COVID-19 and Flu Vaccination Focus Group. Staff also worked to identify potential recruitment sites and incentives to encourage African American/Black and Hispanic/Latinx young adults ages 18-35 to participate in the focus group. This focus group will build upon the COVID-19 and Flu Vaccination Survey findings in effort 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.

1. To date, 97 influential messengers have been trained by SNHD staff and contractors
2. Staff and contractors participated in multiple community events to distribute information and promote vaccination in October.
3. Four pop up vaccine clinics were offered in REACH priority zip codes during October vaccinating 55 people for COVID-19 and 34 people for flu.
4. A targeted media campaign to promote flu vaccination among priority populations aired in October. Over 273,000 people were reached through social media communication efforts in October.

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

COMMUNITY HEALTH – OEMSTS - Fiscal Year Data

November EMS Statistics	Nov. 2020	Nov. 2021	
Total Certificates Issued	65	61	↓
New Licenses Issued	60	55	↓
Renewal Licenses Issued (recert only)	0	0	=
Driver Only	21	14	↓
Active Certifications: EMT	855	830	↓
Active Certifications: Advanced EMT	1615	1606	↓
Active Certifications: Paramedic	1784	1795	↓
Active Certifications: RN	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 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. 11 fit tests completed.

C. Hospital Preparedness Program (HPP)

1. 01 NOV – HPP Liaison participated in the State of Nevada Microplanning session on COVID-19 vaccination distribution.
2. 02 NOV – HPP Liaison participated in the Incident Command System COVID-19 (Testing) Tactics meeting.
3. 04 NOV – HPP Liaison, as Chair, Southern Nevada Healthcare Preparedness Coalition convened the Healthcare Coalition providing updates to the membership on upcoming training, exercises, conferences, and educational presentations. This month, the Healthcare Coalition received two educational presentations: 1) Point of Dispensing Program – an overview; and 2) Incident Action Plan preparation for All-Hazards Event.

Also, the coalition received updates from a number of community partners. The HPP Liaison also attended the University Medical Center of Southern Nevada Emergency Management Committee meeting providing updates on the upcoming coalition meeting, national conference for the coalition, midterm planning meetings, training, and exercise dates. Finally, the HPP Liaison as the Planning Section Chief of the Incident Command System (Testing), hosted the planning meeting providing the Incident Commander a plan for Operational Period 86.

4. 05 NOV – HPP Liaison attended a webinar from the Assistant Secretary for Preparedness and Response featuring the Assistant Secretary outlining her three priorities for the near future. The topic of the webinar was "ASPR Listening Session on Supply Chain." Also, the HPP Liaison convened a conference call with El Jen Healthcare to discuss emergency preparedness training for the organization.
5. 08 NOV – HPP Liaison participated in the State of Nevada Microplanning session on COVID-19 vaccination distribution. The HPP Liaison, as the Planning Section Chief of the Incident Command System (Testing), hosted the Operational Period Brief providing the Incident Command Team the plan of execution for Operational Period 86.
6. 09 NOV – HPP Liaison participated in an ASPR Listening Session on Healthcare focusing on the Secretary's top three priorities: Respond, Restore, and Prepare.
7. 10 NOV – HPP Liaison hosted the Midterm Planning Meeting for the Radiological Response Table-top Exercise. Also, participated in the ASPR Listening Session on Public Health. HPP Liaison as Planning Section Chief initiated the Operations Section Chief's Tactics Meeting. Finally, the HPP Liaison participated in the McCarran Table-Top Exercise on responding to a Tram accident.
8. 15 NOV – HPP Liaison participated in the State of Nevada Microplanning session on COVID-19 vaccination distribution.
9. 16 NOV – HPP Liaison/Chair, Southern Nevada Healthcare Preparedness Coalition participated in the development of the 2022 Community Hazard Vulnerability Analysis updating the HVA.
10. 17 NOV – HPP Liaison hosted the Midterm Planning Meeting for the HCC Highly Infectious Disease Table-Top Exercise.
11. 18 NOV – HPP Liaison participated in the Emergency Management Committee Meeting for San Martin via telephone. Updates provided include the next Southern Nevada Healthcare Preparedness Coalition meeting in January 2022, upcoming planning meetings for exercises, training opportunities, and support for the New Year's Eve community support activities. As Planning Section Chief, hosted the Incident Command System (Testing) Planning Meeting for Operational Period 87.
12. 19 NOV – HPP Liaison hosted the Midterm Planning Meeting for the Southern Nevada Healthcare Preparedness Coalition Call Down Drill. Also, HPP Liaison met with El Jen Healthcare organization to discuss CMS emergency preparedness rules and Emergency Operations Planning.

- 13. 22 NOV – HPP Liaison participated in the State of Nevada Microplanning session on COVID-19 vaccination distribution. The HPP Liaison called into the White House Public Health Appreciation Day video session. Finally, the HPP Liaison led the Operational Period brief for Operations Period 87.
- 14. 24 NOV – HPP Liaison participated in the Tactics Meeting for the Incident Command System Testing Team.
- 15. 29–30 NOV – HPP Liaison attended the National Healthcare Coalition Preparedness Conference in Orlando, FL. The 30th of November was scheduled for workshops including the Improving Business’ Financial Literacy & Management to Support Post Disaster Economic Recovery, Long-Term Care, and Medical Operations Coordination Cell (MOCC).

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 October 2021:

In October, Medical and non-medical volunteers were deployed to support COVID-19 vaccination site at SNHD South Clinic (formerly the site of the non-congregate shelter) as medics and support personnel and to vaccinate at community outreach sites. Volunteers assisted at the SNPHL with test kit assembly and specimen accessioning. Total “accepted” volunteers stand at about 570. MRC Coordinator recruited, vetted, assigned, deployed, and deactivated volunteers to all sites. 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 and PPAG Workgroup meetings. The table below summarizes volunteer hours served in the second quarter of this fiscal year.

MRC Volunteer Hours FY2022 Q2 COVID-19 Response and Non-Emergency
 (Economic impact rates updated July 2021)

Activity	October	November	December
SNHD COVID-19 CLINIC	54.75		
SNPHL	36.5		
SNHD COVID-19 VAX OUTREACH	51.5		
Total Hours	142.75		
Economic impact	\$6,135.51		

IV. VITAL RECORDS

A. Vital Statistics

November 2021 showed a 18.6% increase in birth certificate sales in comparison to November 2020. Death certificate sales showed a 32.8% increase for the same time frame. SNHD received revenues of \$32,448 for birth registrations, \$26,247 for death registrations; and an additional \$7,648 in miscellaneous fees.

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Vital Statistics Services	Nov 2020	Nov 2021		FY 20-21 (Nov)	FY 21-22 (Nov)	
Births Registered	2,234	2,242	↑	10,877	11,085	↑
Deaths Registered	1,687	1,894	↑	9,207	10,178	↑
Fetal Deaths Registered	8	15	↑	71	83	↑

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Vital Statistics Services	Nov 2020	Nov 2021		FY 20-21 (Nov)	FY 21-22 (Nov)	
Birth Certificates Sold (walk-in)	15	47	↑	38	159	↑
Birth Certificates Mail	87	88	↑	478	510	↑
Birth Certificates Online Orders	2,711	3,201	↑	16,648	19,695	↑
Birth Certificates Billed	83	100	↑	456	475	↑
Birth Certificates Number of Total Sales	2,896	3,436	↑	17,620	20,839	↑
Death Certificates Sold (walk-in)	6	31	↑	28	163	↑
Death Certificates Mail	116	120	↑	531	559	↑
Death Certificates Online Orders	7,109	9,453	↑	41,173	47,282	↑
Death Certificates Billed	44	59	↑	214	290	↑
Death Certificates Number of Total Sales	7,275	9,663	↑	41,946	48,294	↑

COMMUNITY HEALTH Vital Statistics Program - Fiscal Year Data

Vital Statistics Sales by Source	Nov 2020	Nov 2021		FY 20-21 (Nov)	FY 21-22 (Nov)	
Birth Certificates Sold Valley View (walk-in)	.5%	1.4%	↑	.2%	.8%	↑
Birth Certificates Mail	3%	2.6%	↓	2.7%	2.4%	↓
Birth Certificates Online Orders	93.6%	93.2%	↓	94.5%	94.5%	
Birth Certificates Billed	2.9%	2.9%		2.6%	2.3%	↓
Death Certificates Sold Valley View (walk-in)	.1%	.3%	↑	.1%	.3%	↑
Death Certificates Mail	1.6%	1.2%	↓	1.3%	1.2%	↓
Death Certificates Online Orders	97.7%	97.8%	↑	98.2%	97.9%	↓
Death Certificates Billed	.6%	.6%		.5%	.6%	↑

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Revenue	Nov 2020	Nov 2021		FY 20-21 (Nov)	FY 21-22 (Nov)	
Birth Certificates (\$25)	\$72,400	\$85,900	↑	\$440,500	\$520,975	↑
Death Certificates (\$25)	\$181,875	\$241,575	↑	\$1,048,650	\$1,207,350	↑
Births Registrations (\$13)	\$28,730	\$32,448	↑	\$176,670	\$195,741	↑
Deaths Registrations (\$13)	\$21,983	\$26,247	↑	\$124,802	\$138,112	↑
Convenience Fee (\$2)	\$5,690	\$6,938	↑	\$35,416	\$41,708	↑
Miscellaneous Admin	\$766	\$710	↓	\$3,535	\$4,340	↑
Total Vital Records Revenue	\$311,444	\$393,818	↑	\$1,829,573	\$2,108,226	↑

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

COMMUNITY HEALTH Passport Program – Fiscal Year Data

B. Passport Services

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

Revenue	Nov 2020	Nov 2021		FY 20-21 (Nov)	FY 21-22 (Nov)	
Passport Execution/Acceptance fee (\$35)	\$10,325	\$18,690	↑	\$44,135	\$102,725	↑
Passport Photo Fee (\$12)						
Total Passport Program Revenue	\$10,325	\$18,690	↑	\$44,135	\$102,725	↑

V. HEALTH CARDS

A. Food Handling

East Las Vegas Move

1. Health Cards shut down at close-of-business November 10, 2021.
2. 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.
3. Additional testing stations set up in the café to cover the overflow from East.

<u>SERVICES</u>	Nov 1 - 30	Oct 1 - 31	Sep 1 - 30	Aug 1 - 31	Jul 1 - 30
Food Handler Cards - New	1,088	1,294	1,296	1,325	1,270
Food Handler Cards - Renewals	3,350	3,788	4,330	3,953	3,708
Duplicates	167	164	203	229	210
CFSM (Manager) Cards	129	147	153	154	131
Re-Tests	473	537	609	597	442
Body Art Cards	146	145	170	170	113
TOTALS	5,353	6,075	6,761	6,428	5,874

<u>REVENUE - Point of Sale</u>	Nov 1 - 30	Oct 1 - 31	Sep 1 - 30	Aug 1 - 31	Jul 1 - 30
Food Handler Cards - New	\$21,760.00	\$25,880.00	\$25,920.00	\$26,500.00	\$25,400.00
Food Handler Cards - Renewals	\$67,000.00	\$75,760.00	\$86,600.00	\$79,060.00	\$74,160.00
Duplicates	\$3,340.00	\$3,280.00	\$4,060.00	\$4,580.00	\$4,200.00
CFSM (Manager) Cards	\$2,580.00	\$2,940.00	\$3,060.00	\$3,080.00	\$2,620.00
Re-Tests	\$2,365.00	\$2,685.00	\$3,045.00	\$2,985.00	\$2,210.00
Body Art Cards	\$2,920.00	\$2,900.00	\$3,400.00	\$3,400.00	\$2,260.00
Late Fee	N/A	N/A	N/A	N/A	N/A
TOTALS	\$99,965.00	\$113,445.00	\$126,085.00	\$119,605.00	\$110,850.00

B. COVID-19 Activities

Continued oversight of door screener.

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. On November 4th, 2021, the program cohosted a community townhall in collaboration with the office of Clark County Commissioner William O'Neil McCurdy. The meeting was attended by local faith and business leaders from district D.
2. 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.
3. Total monthly samples tested listed as follows:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	92	60
NAAT NG/CT	1154	1051
Syphilis	631	496
RPR/RPR Titers	72/137	94/115
Hepatitis Total	281	332
HIV/differentiated	414/10	349/9
HIV RNA	42	33

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 1500-2000 tests/day) with turn-around-time of <48 hours (TAT 2Day- currently at/near goal).
3. For November, the average daily testing was 614 and the average turnaround time was 26 hours days for PCR testing from the collection date to release the test report. The average laboratory total test capacity for SARS-CoV-2 using Panther Aptima NAAT testing is 191 tests per day.
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

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

Month	# PCR/#POS	COVID-19	# 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	30,532/2,504
April	11,346/476	October	19,370/1,657
May	12,268/429	November	13,521/1,371
June	13,881/661	December	

C. Reportable Disease Reports

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.

A monthly summary of reportable disease tests is listed as follows:

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov
Campylobacter	Campy ID	7	6	13	4	14	19	10	7	2	2	1
	Campy Screen	9	7	21	9	19	25	15	10	4	4	3
Neisseria species	Gonorrhoeae Culture	42	59	82	55	40	49	47	68	65	68	92
	Gram Stain/WBC	0	0	0	5	0	2	0	5	0	0	0
	Neisseria ID	2	1	9	1	1	6	2	2	6	0	0
	Haemophilus ID	1	0	4	0	0	3	3	6	1	2	7
Unknown ID	Bacterial ID	5	0	5	3	0	9	5	37	14	15	32
	WGS (PulseNet)	15	26	27	25	45	62	27	36	51	19	20
Salmonella	Salmonella Screen	8	17	22	10	24	19	13	16	14	10	16
	Salmonella Serotype	8	13	21	10	18	20	11	15	9	9	16
Shigella	Shigella Screen	1	8	7	8	7	12	7	3	0	5	2
	Shigella Serotype	0	5	2	5	4	6	3	2	3	3	2
SEC	STEC Screen	0	1	1	2	3	17	8	4	3	2	3
	STEC Serotype	0	1	1	1	1	16	2	0	1	1	0
Unknown	Stool Culture	0	5	0	11	0	5	0	5	5	0	0
Vibrio	Vibrio ID	0	0	3	0	0	1	1	5	0	1	0
	Vibrio Screen	0	0	3	0	0	5	3	8	1	1	0
Yersinia	Yersinia Culture/ID	0	1	1	2	2	2	0	1	0	0	0

D. Epidemiological Testing and Consultation

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. Conducted 8 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 November, 61 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. There were no possible select agent rule out isolates submitted to SNPHL in November.
3. 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.

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

4. 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.
5. SNPHL performed 20 Whole Genome Sequencing tests (WGS) as part of PulseNet in November 2021.
6. 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. Validation of two other bacterial groups is anticipated to be completed December 2021.
7. SNPHL is validated for sequencing SARS-CoV-2 and variants of concern through the identification of lineages and clades.
8. 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, instrumentation, and method development. As of November 2021, SNPHL has sequenced 144 SARS-CoV-2-positive RNA extracts. In November, SNPHL hire a new Laboratory Technologist and Laboratory Assistant to aid in SARS-CoV-2 sequencing. Training is underway.
9. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

2021	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov
Legionella	0	1	1	1	11	1	0	4	6	0	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.
11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in November, a total of 33 clinical isolates, Neisseria gonorrhoeae (30 isolates) and Neisseria meningitidis (3 isolates), were collected and will be sent to either the regional laboratory for antimicrobial susceptibility testing or the CDC, respectively.

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 the chain of custody procedures.

G. November 2021 SNPHL Activity Highlights

1. Because the state government has provided funding for this test, CCSD has opted to send COVID-19 PCR testing samples to PerkinElmer/Color in CA on Monday, November 1, 2021. COVID-19 PCR testing for CCSD is not required.
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. A minor change of the office design has been submitted for approval. The construction completion date is planned for 1/31/2022.
4. New Laboratory Manager reported working on Monday, November 29, 2021. The interviewing process for the Laboratory Administrative Coordinator position has been completed this week and has selected one applicant. HR will reach her and will inform us of the outcome soon.
5. Two 7500 DX Fast Real-Time PCR instrument has been received and validated. Those two instruments have started to join the COVID-19 PCR testing day before Thanksgiving Day.
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 tests per week. The epMotion liquid handler and Mili-Q IQ7000 purification systems are also purchased and waiting for the schedule for delivery in December.
7. SNPHL's COVID-19 whole-genome sequencing data has been successfully uploaded to TERRA, the state sequencing database. Because NSPHL requires additional time to complete their stock of samples in their laboratory, SNPHL has temporarily halted sending sequencing samples to them.
8. We submitted the APHL QI grant for improving sample submission error dates for COVID-19 samples. The due date is Friday, November 12, 2021. Currently, we are working with IT and PH informatics teams to improve the data quality for the testing samples from long-term facilities and to make changes/add new forms to manage security appropriately.

9. Any COVID-19 PCR result that is negative for the S gene but positive for the other two genes, ORF1ab and N1, will be subjected to WGS as a top priority in our lab. Our Micro lab will do WGS as usual for all positive COVID-19 samples but will also look at the B.1.1.529 lineage.

H. COMMUNITY HEALTH – SNP HL – Calendar Year Data

SNPHL Services	YTD- November 2020	November 2021	
Clinical Testing Services ¹	NA	3,503	↑
Epidemiology Services ²	NA	339	↑
State Branch Public Health Laboratory Services ³	NA	13,535	↑
All-Hazards Preparedness Services ⁴	NA	10	↑
Environmental Health Services ⁵	NA	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, Inspections.
- ⁵ Includes vector testing.