



Memorandum

Date: September 28, 2023

To: Southern Nevada District Board of Health

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

MJ

Subject: Community Health Division Monthly Activity Report – August 2023

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

A. Chronic Disease Prevention Program (CDPP)

Our Soda Free Summer/Verano Sin Soda activities continued in July. The CDPP staff worked with Promotoras Las Vegas (PLV) to participate in nine (9) outreach events during July to promote elimination or reduction of sugar sweetened beverages. Outreach activities reached nearly 1,200 people and were supported by 14 social media posts in Spanish.

Our CDPP team partnered with CCSD Food Service to promote the Summer Food Service Program and connect families to locations and information. That campaign ran through July. Additionally, CDPP has been working with CCSD Food Service on a campaign to promote Universal School Meals available during the 2023-2024 school year to increase participation. Campaign messages were informed by focus groups with parents and students. The campaign began running in July in English and Spanish on multiple platforms and will run through August. CDPP also promoted other back-to-school resources in an English and Spanish blog.

The CDPP team participated in a Back-to-School event at Helen Cannon Middle School to conduct blood pressure and prediabetes screenings. 25 people were screened at the event. Other chronic disease prevention and self-management education was distributed.

Currently CDPP is working with SNHD's Environmental Health to distribute "5210" promotional packets to 300 commercial childcare centers in Clark County. "5210" are obesity prevention guidelines for developing healthy habits in children. These packets include an introductory letter, "5210" flyers and posters, a tip sheet for providing a healthy environment in childcare

centers and a fact sheet on the science of “5210”. The packets will be distributed throughout the year.

A Supporting Wellness At Pantries (SWAP) training for the Lutheran Social Services of Nevada (LSS) satellite food pantry was completed by the CDPP in July. CDPP is working with LSSNV to implement the SWAP program in both of their pantries. Five LSS staff and volunteers participated in the training. CDPP was able to provide materials including a freezer, utility cart, scale, cabinet, and A-frame signage to help the pantry fully implement SWAP.

A partnership was developed with CDPP & the WINN program (Wellness Integrated Network) hosted by Comagine Health on a coordinated social media campaign in July to promote chronic disease programs including SNHD’s DSMES classes that included sign up links. Cobranded messages were provided, and multiple organizations participated in the campaign. In total, CDPP and SNHD posted 18 social posts during July with 73 engagements noted across all posts.

B. Tobacco Control Program (TCP)

Our TCP Staff provided culturally competent educational materials to over 100 attendees of Nevada Partners Lunch and Learn Youth Summit. Educational material provides information to prevent smoking initiation, encourages cessation, and informs the priority population of tobacco’s harm to African Americans and the Black community.

As part of a partnership with the Latino Youth Leadership conference, Por Mi Por Ti Por Nosotros staff presented culturally and linguistically competent information to over 60 attendees during the family engagement day at the University of Nevada Las Vegas. Staff presented on the topic of youth vaping and highlighted the importance of smoke-free living lifestyles within the Latinx community. Cessation resources for youth and adults were provided.

In August, SNHD staff continued collaboration with partners to support health care provider outreach efforts designed to encourage the implementation of electronic referral of tobacco using patients to the Nevada Tobacco Quitline. To date, over 100 healthcare providers have received education and technical assistance from TCP staff.

Also in August, SNHD staff continued to share educational materials regarding the harmful effects of using e-cigarettes and emerging tobacco products with CCSD middle and high schools. Booklets for parents, educators, and administrators were printed. These resources will be shared with CCSD staff in preparation for the 2023 – 2024 school year.

C. Other Efforts

OCDPHP has received additional funding from the CDC to support COVID and flu vaccine education and delivery among our REACH grant priority populations (African Americans and Hispanics). OCDPHP staff are working with community partners to train influential messengers in the community, promote vaccine update and increase accessibility to vaccines among these populations. During July:

1. Eight (8) community health workers were trained. To date, 340 community-level spokespersons have been trained.

2. Six (6) community events to distribute information and promote vaccination occurred in reaching 1,135 individuals.
3. 18 new pop-up vaccine clinics were offered however, 99 people received a COVID-19 vaccine. A total of 6,011 vaccines have been provided to date through these efforts.
4. A new media campaign highlighting changes that will occur as a result of the end of the public health emergency declaration and to encourage vaccination among priority populations began aired in May and will run through September. To date this campaign has reached 1.7 million people.

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

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 MAB 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 sub-committees.

D. OEMSTS – August 2022 / 2023 Data

August EMS Statistics	August 2022	August 2023	
Total certificates issued	79	98	↑
New licenses issued	73	89	↑
Renewal licenses issued (recert only)	3	2	↓
Driver Only	26	32	↑
Active Certifications: EMT	891	914	↑
Active Certifications: Advanced EMT	1720	1850	↑
Active Certifications: Paramedic	1924	1994	↑
Active Certifications: RN	61	63	↑

III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)

A. Planning and Preparedness

1. Persistence to draft the Shelter Support Annex and Administrative Preparedness Annex.
2. Our OPHP team attended the O305 All Hazards Incident Management Team training from August 14th – 18th.
3. Representation from OPHP, was provided at the FEMA Basic Academy PIO Course August 23rd – 25th. The OPHP staff in attendance graduated from their Basic Academy. One of the OPHP Planners served as the Nevada Cohort 6 President.
4. Our personnel have avidly been planning with community partners for the upcoming Formula 1 and Super Bowl LVIII special events.
5. The OPHP Team provided 75 SNHD employees with testing for personal protective equipment.

B. PHP Training and PH Workforce Development:

1. Our OPHP staff continues planning for the upcoming Full-Scale Anthrax Exercise to take place October 12th – 14th, along with community partners.
2. OPHP Trainers continue to develop Position Specific Task Books and related training curricula. Revised PHP New Hire Orientation and Annual ICS/Planning P/Forms training. Continue to update POD training for October FSE.
3. An SNHD Clinical Advisor & OPHP Trainers provided ICS 300 training on August 9th at UNLV, August 22nd – 24th to eight (8) SNHD and seven (7) community partners at the Decatur location. OPHP also provided ICS 400 Training at LVMPD on August 29th.

C. Southern Nevada Healthcare Preparedness Coalition (SNHPC)

1. The SNHPC Clinical Advisor, OPHP Planner, and OPHP Training Officer continue to review & revise the preparedness & response plan.
2. Our Clinical Advisor & OPHP Planner hosted the SNHPC August Workshop at the Wetlands Park on August 3rd, in conjunction with the August SNHPC meeting.
3. Conducted decontamination training for Valley Hospital on August 31st.
4. The SNHPC Clinical Advisor, Chair, and Trainer revised the Charter for review and approval at the September meeting.

D. Fusion Center Public Health Analyst:

1. Disseminated seven (7) public health-related reports covering various communicable disease updates and cybersecurity threats to the health sector through the appropriate Fusion Center distribution lists.
2. Developed three (3) special event threat assessments encompassing five (5) events (Black Hat USA and DEFCON, Summer MAGIC, Las Vegas Raiders, and Vegas Golden Knights 2023-2024 Seasons) and disseminated through the appropriate Fusion Center distribution lists.
3. Assisted in the Sphere exercise with Las Vegas Metropolitan Police Department Emergency Management.

E. Grants and Administration:

1. OPHP and SNHD Finance staff participated in the State Public Health Preparedness site visit on August 28th.
2. Our OPHP team currently awaiting the subgrant awards for budget period 5 for the Public Health Emergency Preparedness Program and Hospital Preparedness Program grants from the state.

F. Medical Reserve Corps (MRC) of Southern Nevada:

1. MRC Coordinator attended monthly NACCHO MRC and PPAG Workgroup meetings, as well as SNHPC.
2. Three (3) MRC Volunteers supported the SNHD Immunization Clinic during Back-to-School in August, assisting with registration, line control, and record printing.
3. Three (3) MRC Volunteers staffed a table at the Nevada Academy of Family Physicians Summer CME event August 18th, distributing information on preparedness, AIDS/HIV, tuberculosis treatment regimens, and proper completion of death certificates.
4. One (1) Volunteer assisted the Flamingo Casino-Hotel as an actor in an active assailant exercise August 6th.

5. MRC Coordinator planned training and activities for upcoming months, sent out newsletters, and continues to recruit and deactivate volunteers.

MRC Volunteer Hours FY2024 Q1

(Economic impact rates updated August 2023):

Activity	July	August	September
Preparedness Exercise	0	3	
Community Event/BP	0	12	
SNHD Immunization Clinic	47.75	75.25	
Total Hours	47.75	90.25	
Economic impact	\$1,518.45	\$2,869.95	

IV. VITAL RECORDS

- A. August 2023 is currently showing 1.5% decrease in birth certificate sales in comparison to August 2022. Death certificate sales currently showing an 6% decrease in comparison to August 2022. SNHD received revenues of \$42,744 for birth registrations, \$23,179 for death registrations; and an additional \$10,008 in miscellaneous fees.

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

Vital Statistics Services	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Births Registered	2,191	2,133	↓	4,179	3,947	↓
Deaths Registered	1,779	1,727	↓	3,457	3,304	↓
Fetal Deaths Registered	13	14	↑	36	30	↓

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

Vital Statistics Services	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Birth Certificates Sold (walk-in)	34	62	↑	90	104	↑
Birth Certificates Mail	165	153	↓	254	315	↑
Birth Certificates Online Orders	4,712	4,651	↓	8,493	8,817	↑
Birth Certificates Billed	131	97	↓	212	227	↑
Birth Certificates Number of Total Sales	5,042	4,963	↓	9,049	9,463	↑
Death Certificates Sold (walk-in)	12	32	↑	14	49	↑
Death Certificates Mail	157	178	↑	284	364	↑

Death Certificates Online Orders	8,187	7,644	↓	16,226	14,287	↓
Death Certificates Billed	36	34	↓	65	75	↑
Death Certificates Number of Total Sales	8,392	7,888	↓	16,589	14,775	↓

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

Vital Statistics Sales by Source	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Birth Certificates Sold Valley View (walk-in)	.7%	1.2%	↑	1%	1.1%	↑
Birth Certificates Mail	3.3%	3.1%	↓	2.8%	3.3%	↑
Birth Certificates Online Orders	93.5%	93.7%	↑	93.9%	93.2%	↓
Birth Certificates Billed	2.6%	2%	↓	2.3%	2.4%	↑
Death Certificates Sold Valley View (walk-in)	.1%	.4%	↑	.1%	.3%	↑
Death Certificates Mail	1.9%	2.3%	↑	1.7%	2.5%	↑
Death Certificates Online Orders	97.6%	96.9%	↑	97.8%	96.7%	↓
Death Certificates Billed	.4%	.4%		.4%	.5%	↑

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

Revenue	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Birth Certificates (\$25)	\$126,050	\$124,075	↓	\$226,225	\$236,575	↑
Death Certificates (\$25)	\$209,800	\$197,200	↓	\$414,725	\$369,375	↓
Births Registrations (\$13)	\$46,969	\$42,744	↓	\$84,396	\$80,587	↓
Deaths Registrations (\$13)	\$23,686	\$23,179	↓	\$47,047	\$43,225	↓
Convenience Fee (\$2)	\$9,940	\$9,356	↓	\$18,096	\$17,632	↓
Miscellaneous Admin	\$561	\$652	↑	\$1,237	\$1,205	↓
Total Vital Records Revenue	\$417,006	\$397,206	↓	\$791,726	\$748,599	↓

*Numbers will change once stable

COMMUNITY HEALTH Passport Program – Fiscal Year Data

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

Applications	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Passport Applications	770	730	↓	1,456	1,480	↑
Revenue	August 2022	August 2023		FY 22-23 (August)	FY 23-24 (August)	
Passport Execution/Acceptance fee (\$35)	\$26,950	\$25,550	↓	\$50,960	\$51,800	↑

V. HEALTH CARDS

A. Food Handling / Health Cards:

1. Same-day appointments for food handler cards, which was introduced June 5th, across all five testing locations in an effort to reduce No Show appointments. Each weekday morning, appointments open for scheduling at 5 a.m., with additional afternoon appointments opened for scheduling later in the morning. Requests for advance appointments are increasingly rare.
2. For the month of August, we averaged 31 “passing and paying” online renewal clients per day, with a total of 974 clients renewing online. This is a 78% decrease since the peak in January 2023.
3. The Environmental Health division is making edits to our test questions and answers, as well as the training materials, to reflect changes in the 2023 Food Regulations and to clarify confusing phrases.
4. The IT department is developing a version of the food handler card that can be saved within a client’s mobile wallet. This optional free offering is in addition to the plastic card and the online renewal certificate.

B. Body Art Cards

1. In August, we served 129 body art card clients, the highest number of any month since March 2022.

CLIENTS SERVED	August 2023	July 2023	June 2023	May 2023	April 2023	Mar 2023
FH Cards – New	6,794	5,615	5,118	4,705	4,035	4,539
FH Cards – Renewals	932	820	2,232	2,605	2,619	3,294
FH Cards – Online Renewals	974	1,168	1,185	1,398	1,754	3,004
Duplicates	393	301	328	312	306	382
CFSM (Manager) Cards	331	301	293	271	257	320
Re-Tests	1,474	1,244	1,232	1,165	1,242	1,471
Body Art Cards	129	121	102	117	115	83
TOTALS	11,027	9,570	10,490	10,573	10,328	13,093

VI. HEALTH EQUITY

- A. The Health Equity program received a No Cost Extension from the Center for Disease Control to build, leverage, and expand infrastructure support for COVID prevention and control among populations that are at higher risk and underserved.
 - 1. The program continues to collaborate with SNHD programs and grant subrecipients to plan and coordinate COVID community strategies and events.
- B. The Health Equity Program works towards reducing health disparities through increasing organizational capacity and implementing community strategies.
 - 1. During August, the Health Equity team conducted two (2) workshops with the topics of health equity and social determinants of health to SNHD staff.

VII. SOUTHERN NEVADA PUBLIC HEALTH LABORATORY (SNPHL)

A. Clinical Testing:

- 1. The SNHD Nursing Division: molecular and microbiology culture, Sexually Transmitted Disease (STD) testing.
- 2. SNHD STD department: the CDC Gonococcal Isolate Surveillance Project (GISP) as well as enhanced Gonococcal Isolate Surveillance Project (eGISP). SNPHL performs NAAT and culture testing of *N. gonorrhoeae* isolates and submits isolates to a reference laboratory for the determination of antibiotic susceptibility patterns. SNPHL has also joined eGISP Part B to expand culture-independent testing for antimicrobial resistance genes of gonococcal isolates.
- 3. A total monthly samples tested is listed in the following table:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	101	67
NAAT NG/CT	1300	1107
Syphilis	1050	977
RPR/RPR Titers	221/124	195/97
Hepatitis Total	1186	924
HIV/differentiated	819/23	615/16
HIV RNA	83	68

4. COVID testing:

- SARS-CoV-2 PCR extraction is currently performed on the KingFisher Flex platform only.
- SNPHL is to maintain the capacity of 2000 tests /day with a turnaround-time of <48 hours (TAT 2Day- currently at / near goal).
- For August, the average daily testing was 23 and the average turnaround time was 26 hours for PCR testing from the collection date to the release of the test report.
- IT created easy patient accession and direct report verification from SNPHL LIMS into SNHD patient report portal.
- Incorporate high throughput instruments such as Eppendorf 5073 automation of specimen fluid handling station.
- Molecular laboratory will add Tecan instrument after installing the updated script for the SARS-CoV-2 WGS procedure. The field person from Tecan will come to install the script in August.

A monthly summary of COVID PCR/NAAT testing is listed as follows:

Month	# PCR& NAAT/#POS	COVID	# PCR\$ NAAT/#POS
January	8775/722	July	1216/85
February	6614/542	August	527/198
March	6676/497	September	
April	5174/4335	October	
May	4544/244	November	
June	2103/136	December	

5. Reportable disease reports:

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

- A monthly summary of reportable diseases tests is listed as follows:

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Campylobacter	Campy ID	3	7	2	7	7	10	9	2					
	Campy Screen	7	10	6	10	11	12	13	5					
Neisseria species	Gonorrhoeae Culture	70	66	34	56	71	75	61	101					
	Gram Stain/WBC	0	0	0	5	0	0	0	5					
	Neisseria ID	0	0	0	0	0	5	0	0					
	Haemophilus ID	0	0	8	2	3	0	1	1					
Unknown ID	Bacterial ID	0	0	0	3	0	0	0	0					
	WGS (PulseNet)	24	21	24	33	36	37	34	29					
Salmonella	Salmonella Screen	16	14	13	17	25	26	26	25					
	Salmonella Serotype	15	10	12	17	25	21	21	24					
Shigella	Shigella Screen	4	7	10	10	4	6	3	8					
	Shigella Serotype	4	5	12	3	3	3	2	3					
STEC	STEC Screen	4	0	7	8	1	5	7	3					
	STEC Serotype	4	0	1	2	1	3	2	0					
Unknown	Stool Culture	3	14	2	4	5	0	0	0					
Vibrio	Vibrio ID	0	1	0	0	0	3	0	0					
	Vibrio Screen	0	0	1	1	0	6	0	0					
Yersinia	Yersinia Culture/ID	0	0	1	0	2	0	0	3					

B. Epidemiological Testing and Consultation:

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. There were zero cases for GI outbreak investigation in August.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In August, SNPHL performed 29 respiratory panels on the BioFire.

C. Emergency response and reportable disease isolate testing report:

1. SNPHL performs reportable disease isolate testing and confirmation. Isolates submitted by local laboratories are serotyped and/or confirmed by Whole Genome Sequencing; stored on-site; and results reported and/or samples submitted to CDC through various national programs; Public Health Laboratory Information System (PHLIS), National Antimicrobial Resistance Monitoring System (NARMS), and Influenza Surveillance, and PulseNet Bacterial Outbreak Surveillance.
2. SNPHL’s additional mission is as a member of the CDC Laboratory Response Network (LRN) testing for the identification of potential biological weapons/agents on environmental daily samples within its unique BSL3 environment.

2023	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Select Agent Rule out (total PCR)	0	0	2	2	1	0	1	2				

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 29 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in August 2023.
5. SNPHL has completed validation for all bacterial groups on the Bruker MALDI-TOF instrument for streamlined screening of bacterial isolates, to decrease turnaround time and modernize microbiological identification methods.
6. SNPHL is validated for sequencing of SARS-CoV-2 and variants of concern through the identification of lineages and clades.

7. SNPHL has sustained capacity of sequencing many 192 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing, instrumentation, and method development. As of August 2023, SNPHL has sequenced 161 SARS-CoV-2-positive RNA extracts. The new Laboratory Technologist and Laboratory Assistant have completed their training and have been aiding in SARS-CoV-2 sequencing.
8. SNPHL is clinically validated for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species. SNPHL is also validated for the determination of Salmonella serotypes and STEC (Shiga toxin-producing E. coli) serotypes and Shiga toxin genes.
9. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

2023	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Legionella	7	1	24	8	0	8	8	7				

10. SNPHL provides vector testing for Environmental Services, Viral testing for Zika, West Nile, Western Equine Encephalitis, and Saint Louis encephalitis. Our facility hosted a CDC demonstration for the Vector team. In August, we tested a total of 425 mosquito pool samples. One (1) positive WNV mosquito pool sample was identified in July. Environmental Health released the test result to the public after we informed the test result to them.
11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in August, a total of 101 clinical isolates, Neisseria gonorrhoeae 21 isolates and Neisseria meningitidis eight (8) isolates, were collected and will be sent to either the regional laboratory for antimicrobial susceptibility testing (AST) or the CDC, respectively. Remnant NAATs or N. gonorrhoeae samples will be sent to the CDC for molecular-based AST testing as part of eGISP Part B.

D. All-Hazards Preparedness:

1. SNPHL provides / assists testing for SNHD COVID Emergency Incident Response, local community outreach, CCDC jail-detention centers, institutions of higher education, and long-term nursing facilities Rapid-Antigen POC (CDC-EUA: Abbott IDNow; Qiagen Sofia; BD Vector) with outbreak confirmation RT-PCR testing supported by SNPHL.
2. SNPHL provides COVID Biosafety Training/Guidelines to Non-Traditional testing sites.

3. SNPHL coordinates with training/exercises for First Responders including local Civil Support Team, HazMat, Federal Bureau of Investigation, and Las Vegas Metropolitan Police Department.
4. SNPHL provides information to local laboratorians on CDC packaging and shipping infectious substances and the chain of custody procedures.
5. Provided onsite training for COVID online ordering applications for long-term care facilities.
6. Supplied Biosafety Guidance to Sentinel Sites regarding Monkeypox.
7. Furnished Monkeypox and Bivalent COVID Booster vaccination to laboratory staff.
8. Perpetuated Biosafety Training and guidance to SNPHL personnel.

E. August 2023 SNPHL Activity Highlights:

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. The inspectors from CDC the Division of Select agent and Toxin (DSAT) came to do the renew certificate inspection on July 31st and August 2nd. The laboratory received the formal inspection report and will provide the feedback before October 3, 2023.
3. The clinical health laboratory purchased three (3) instruments for clinical testing to enhance the community health service. SNPHL received the urine analysis and Hematology instruments. At this time, the validation for both instruments have begun.
4. SNPHL is working with CDC to develop an Electronic Laboratory Reporting (ELR) system for Monkeypox testing. This system allows us to report the MONKEYPOX testing report to CDC promptly. Currently, we are using a laboratory Network System to report the result which is time-consuming and labor intensive.
5. The new senior lab technician in the Microbiology Laboratory has accepted the offer and will report to work on October 2nd.
6. Our Emergency Response laboratory started to validate the warrior panel and verification process with CDC.
7. According to the WGS and genomic data analysis, the Omicron variant XBB.1.5 and XBB.1.16, lineages are domain lineage, 19%, 29%, and 24% respectively, in August, from the samples received in the laboratory. Our laboratory will keep sequencing the closed contact samples to help ODS to follow up on the investigation.
8. SNPHL still remain the service for the Monkeypox testing for the residents of Clark County even the ICS for Monkeypox has been demobilized.
9. According to the data of influenza surveillance in this flu season, the A/H3 and A/H1 are major subtype of influenza and the percentage of ratio between two subtypes are 80% and 20%, respectively.

10. SNPHL participates in the CDC Avian Flu surveillance project by sending the testing guidance and specimen collection procedure to the local hospitals through HAN system. Any ICU patient with influenza A positive must send the specimen to our laboratory to do influenza subtyping in order to rule out avian influenza.
11. There are safety concerns for the SNPHL facility security camera upgrade which is currently under process by Facilities. The facility team will provide the quotation for us. This project will replace the current surveillance cameras and software system to enhance the quality of images and cover more areas of the laboratory building.
12. Currently our BSL-3 laboratory has detected a total of 46 possible Monkeypox cases. Those presumptive samples have been sent to CDC this week to CDC for a confirmation test. There hasn't been any Monkeypox cases received since May 2023.
13. The builder/Architect for the SNPHL Lab expansion project has been selected. The contract is reviewing by SNHD contract office and Ewing Cole Company

F. COMMUNITY HEALTH – SNPHL – Calendar Year Data

August SNPHL Services	2022	2023	
Clinical Testing Services ¹	4,449	6,800	↑
Epidemiology Services ²	661	791	↑
State Branch Public Health Laboratory Services ³	11,525	373	↓
All-Hazards Preparedness Services ⁴	11	28	↑
Environmental Health Services ⁵	501	438	↓

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

² Includes Stool culture, EIA, Norovirus PCR, Respiratory Pathogen PCR, Epidemiological investigations, or consultations.

³ Includes COVID 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