



Memorandum

Date: February 23, 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 – January 2023

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

A. Chronic Disease Prevention Program (CDPP)

CDPP Staff submitted the American Diabetes Association (ADA) Program Recognition renewal application for our Diabetes Self-Management, Education & Support (DSMES) classes to the ADA. SNHD's application was approved by the ADA in December. The next four-year recognition program period expires January 30, 2027.

Our staff wrapped up a With Every Heartbeat Is Life (WEHIL) class in December. WEHIL is an evidence-based heart disease and hypertension curriculum developed specifically for African Americans and designed to be taught in community settings. Eight (8) people participated in the class. Of those who completed the course, their average systolic BP decreased from the beginning of the course to the end of the course. All participants reported making lifestyle changes including reduced sodium intake, increased physical activity, practiced stress management, reading food labels, and eating in moderation.

The CDPP partnered with the YMCA to provide another Healthy Hearts Ambassador – Self-Monitoring Blood Pressure Program (HHA-SMBPP). The 16-week program kicked off in July and with rolling enrollment completed in December. A total of 25 people registered for the course and 70% of them completed the course. Of those who completed, 66% decreased their blood pressure from an elevated or higher range to a normal range. The HHA-SMBPP provides education on how to measure BP, how to complete a BP log, medication adherence, DASH diet/nutrition, physical activity, and referrals to support programs as needed.

After several months, the CDPP was able to secure a partnership with Marketon Grocery Stores to host Grocery Store tours in English and Spanish. Tours will provide nutrition education and develop shopping and food resource skills for people with diabetes, heart disease, or other chronic conditions to help them better self-manage their conditions. Tours will be led by a CDPP Registered Dietitian/Health Educator. Planning is underway with the first tour scheduled for spring.

B. Tobacco Control Program (TCP)

The SNHD TCP staff collaborated with local high school sports groups to promote vape-free lifestyles. Teens participate a virtual training regarding e-cigarettes and other vaping products. As part of this partnership, seven (7) educational outreach opportunities were implemented this month. To date, ten (10) sports teams and two (2) tournaments have participated.

In December 2016, the Smoke-free public housing rule for all Public Housing Authorities in the United States was passed eliminating the use combustible cigarettes in all housing facilities. Although this was considered a big public health win, this policy did not include the use of electronic vapor products. Since the passage of the smoke-free public housing rule, the Southern Nevada Health District Tobacco Control and Prevention program has provided technical assistance to the Southern Nevada Regional Housing Authority (SNRHA) leadership on the benefits of a comprehensive tobacco-free policy. The (SNRHA) expanded this policy to include both combustible cigarettes and electronic vapor products. The rule requires that residents and guests who smoke do so at least 25 feet away from the buildings. Prohibited Tobacco products are defined as items that involve the ignition and burning of tobacco leaves, such as cigarettes, cigars, pipes, and water pipes (also known as hookahs), and ENDS (Electronic Nicotine Delivery Systems) also known as vaping. The SNRHA includes housing developments located throughout Clark County and are part of the Conventional Public Housing Program. These properties are composed of designated senior, elderly/disabled, and the rest are designated as family properties. The SNRHA currently owns 2,431 units of conventional public housing in Clark County and houses over 5,000+ people under the public housing program. A meeting with SNHD FQHC staff and Huntsman occurred on 12/9/22. The inclusion of a counseling section on the same EHR screen where tobacco use status is captured by the provider was discussed and the changes were subsequently made. This will make it easier and more efficient for the provider to conduct the brief tobacco use intervention on the same screen of the EHR. Additionally, improvements to ensure patient progress was sent from the Quitline and captured by the provider were discussed. Staff provided feedback on the Huntsman Cancer Institute e-referral project summary document that described the collaboration with the SNHD FQHC to enhance electronic referrals to the Quitline.

TCP Staff promoted tobacco cessation resources through participation in Hispanic community events and a live radio appearance on Spanish language radio. Staff continued communications with the Clark County Medical Society (CCMS) to promote tobacco cessation resources including e-referrals, brief interventions, to its entire membership which includes thousands of health care providers in Southern Nevada. A training video was provided and will be shared at upcoming CCMS events. SNHD staff also continued to provide educational materials to the Nevada Family Physician publication to share information regarding Quitline referrals with their subscribers.

This month eight (8) businesses implemented and/or expanded their smoke and vape free policy. Staff provided technical assistance.

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 December:

- SNHD staff trained 23 community health worker students who represent the priority population at the College of Southern Nevada. To date, 253 community-level spokespersons have been trained.
- One (1) community event(s) to distribute information and promote vaccination occurred in reaching 20 individuals.
- Six (6) pop up vaccine clinics were offered vaccinating 60 people for COVID and 40 for flu. A total of 5,938 vaccines have been provided to date through these efforts.
- The multi-component, English/Spanish language Flu media campaign to reach priority populations continued to air. This campaign consists of paid print, radio, social media (Instagram/Facebook), e-blasts and online banners. This year, a new campaign element focusing on pregnant people was incorporated. Healthcare providers are also being targeted through print publications. In December, 1,798,035 people were reached through the campaign.

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

A. Regional Trauma Advisory Board (RTAB)

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.

The Board reviewed the 3rd Quarter 2022 trauma transport data, as well as approved the Application for Renewal of Authorization of Sunrise Hospital and Medical Center as a Level II Trauma Center.

B. OEMSTS – January 2022 / 2023 Data

Janary EMS Statistics	January 2022	January 2023	
Total certificates issued	73	86	↑
New licenses issued	41	53	↑
Renewal licenses issued (recert only)	4	6	↑
Driver Only	16	30	↑
Active Certifications: EMT	810	829	↑
Active Certifications: Advanced EMT	1634	1636	↑
Active Certifications: Paramedic	1884	1919	↑
Active Certifications: RN	57	65	↑

III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)

A. Planning and Preparedness

1. OPHP staff began planning for a full-scale exercise to be conducted in October 2023.
2. This trained team corroborates with community and hospital partners, by hosting and attending community meetings virtually.
3. Personnel are avidly working with internal staff who have been responding to the COVID response along with external partners to develop an interim action report for SNHD and the region.
4. The OPHP Team is constantly working with the County and the SNHD contractor to develop the regional and SNHD COVID After Action Report.

B. PHP Training and PH Workforce Development:

1. Keeping in line with the direction of SNHD’s leadership, all non-essential training has been postponed focusing on the COVID response and training needs
2. Internally, we provide Employee Fit Testing: Essential SNHD staff continue to receive respirator fit testing. 14 fit tests completed.
3. January 11th, attended webinar on rural preparedness toolkit development presented by Joe Ginty.
4. January 12th, met with UNLV to look at the layout for the Thomas and Mack for FSE in October 2023.

5. January 18th, completed Closed POD agreement with Cox Communications.
6. January 25th, participated in demo of new Volunteer Management System being tested by MRC programs in Nevada
7. January 26th, engaged in Public Health Infrastructure discussion with UNR and State of Nevada State Health Improvement Program
8. January 31st, in attendance for the IPM for Full Scale Exercise in October

B. Hospital Preparedness Program (HPP): OPHP dispensed a Hospital Preparedness Program Liaison

1. January 5th – The Hospital Preparedness Program Liaison hosted the Southern Nevada Healthcare Preparedness Coalition for January 2023. This meeting included leadership elections with a new Chair, Vice Chair, and Secretary for the Healthcare Coalition being elected. The local FBI Special Agent and Weapons of Mass Destruction provided an introduction and update on activities. The All-Hospital Radio Test witnessed UMC Trauma be consistent with a 100% call-in during the test for the entire calendar year. The Healthcare Coalition members also reviewed and approved the community Hazard Vulnerability Analysis for 2023. Partners provided updates for their respective jurisdictions.
2. January 10th – The HPP Liaison participated in the Bi-weekly Micro-planning session with the State of Nevada regarding COVID sustainment operations with information sharing on the on-going Monkeypox support.
3. January 12th – The HPP Liaison participated in the HHS OCIO HC3 January 12th Cybersecurity Threat Briefing – Black Cat & Royal Ransomware as a Threat to Healthcare Webinar to better understand the cyber threat and provide information to the healthcare sector on the threat. Also, the HPP Liaison met with OPHP Supervisor for one-on-one session, discussing: 1. Current projects you're working on, 2. Status of those projects, 3. Resource needs (people and things), and 4. Barriers. Finally, the HPP Liaison attended the University Medical Center of Southern Nevada's Emergency Management Committee meeting providing updates on the upcoming healthcare coalition meeting, the Chemical Response Functional Exercise, and TEEX training being offered in the community.
4. January 17th – The HPP liaison and OPHP Supervisor met with Clark County Office of Emergency Management regarding the upcoming exercise. The inclusion of the Multi-agency Coordination Center and Emergency Support Function (ESF) #8 – Public Health and Medical Services will be part of the exercise.

5. January 19th – The HPP Liaison participated in the San Martin Emergency Management Committee Meeting virtually. Updates included upcoming healthcare coalition meeting, the Chemical Response Functional Exercise, and TEEEX training being offered in the community.
6. January 23rd – The HPP Liaison participated in the OPHP staff meeting. The HPP Liaison provided an update on the upcoming HPP/SNHPC/SNHD Chemical Response Functional Exercise titled “Chubby Yellow Rain” and meets this year’s HPP Exercise grant deliverable.
7. January 24th – The HPP Liaison engaged in the Bi-weekly Micro-planning session with the State of Nevada regarding COVID sustainment operations with information sharing on the on-going Monkeypox support. Also, the HPP Liaison hosted the Controller/Evaluator meeting for the upcoming Chemical Response Functional Exercise titled “Chubby Yellow Rain” with the identified Controllers/Evaluators/SimCell personnel in preparation for the exercise.
8. January 25th – The Healthcare Coalition Coordinator conducted a Chemical Response Functional Exercise titled “Chubby Yellow Rain” for members of the healthcare coalition and community. Key players included acute care hospitals conducting decontamination operations, the multi-agency coordination center (MACC) conducting support operations, and a jurisdictional fire department and hazmat team conducting team building drills. The Administration of Strategic Preparedness & Response (ASPR) Field Project Officer for the Hospital Preparedness Program attended the exercise as a VIP, toured multiple hospital sites, and toured the MACC.
9. January 26th – The HPP Liaison provided technical assistance to an emergency management agency on the role of the healthcare coalition.
10. January 27th – The Healthcare Coalition Coordinator conducted a site reconnaissance with the point of contact at Southern Hills hospital in preparation for the upcoming Pediatric Disaster Response and Emergency Preparedness Course in May 2023.
11. January 31st – The Senior Public Health Preparedness Planner for the Hospital Preparedness Program participated in the Public Health Emergency Program Senior Public Health Preparedness Planner’s Initial Planning Meeting for the Full-Scale Exercise in October 2023 responding to an Anthrax Attack.

C. Grants and Administration:

1. OPHP staff are supporting COVID response and logistical needs.
2. OPHP staff are supporting monkeypox planning needs.

D. **Medical Reserve Corps (MRC) of Southern Nevada:** MRC coordinator works in conjunction with SNHD and community partners for volunteers needed for the COVID response.

In December, one volunteer assisted the SNHD SHC with office support. Total “accepted” volunteers stand at 395. MRC Coordinator continues to recruit and deactivate volunteers. MRC continues to advocate for use of volunteers within SNHD and gave a presentation on December 13th to managers and supervisors. MRC also attended monthly NACCHO MRC Workgroup meetings. The table below summarizes volunteer hours served in the second quarter of this fiscal year.

MRC Volunteer Hours FY2023 Q4 COVID Response and Non-Emergency Economic impact rates updated December 2022

Activity	October	November	December
Health Fair	28	17	0
SNHD COVID VAX OUTREACH	0	10	0
SNHD SHC	0	16	4
SNHD Monkeypox	0	0	0
Total Hours	28	43	4
Economic impact	\$1,423.24	\$1,287.85	\$119.80

IV. VITAL RECORDS

A. January 2023 is currently showing an .2% increase in birth certificate sales in comparison to January 2022. Death certificate sales currently showing a 18% decrease in comparison to January 2022. SNHD received revenues of \$36,400 for birth registrations, \$26,559 for death registrations; and an additional \$7,908 in miscellaneous fees.

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Vital Statistics Services						
Births Registered	2,473	2,262	↓	15,564	14,878	↓
Deaths Registered	2,328	2,142	↓	14,626	12,444	↓
Fetal Deaths Registered	17	20	↑	121	116	↓

COMMUNITY HEALTH Vital Statistics Services – Fiscal Year Data

Vital Statistics Services	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Birth Certificates Sold (walk-in)	19	20	↑	240	316	↑
Birth Certificates Mail	131	131		698	821	↑
Birth Certificates Online Orders	3,632	3,660	↑	26,410	25,194	↓
Birth Certificates Billed	115	76	↓	671	772	↑
Birth Certificates Number of Total Sales	3,897	3,887	↓	28,019	27,103	↓
Death Certificates Sold (walk-in)	3	18	↑	192	121	↓
Death Certificates Mail	182	147	↓	831	1067	↑
Death Certificates Online Orders	11,731	9,625	↓	68,311	56,803	↓
Death Certificates Billed	44	40	↓	387	238	↓
Death Certificates Number of Total Sales	11,960	9,830	↓	69,721	58,229	↓

COMMUNITY HEALTH Vital Statistics Sales by Source - Fiscal Year Data

Vital Statistics Sales by Source	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Birth Certificates Sold Valley View (walk-in)	.5%	.5%		.9%	1.2%	↑
Birth Certificates Mail	3.4%	3.4%		2.5%	3%	↑
Birth Certificates Online Orders	93.2%	94.2%	↑	94.3%	93%	↓
Birth Certificates Billed	3%	2%	↓	2.4%	2.8%	↑
Death Certificates Sold Valley View (walk-in)		.2%	↑	.3%	.2%	↓
Death Certificates Mail	1.5%	1.5%		1.2%	1.8%	↑
Death Certificates Online Orders	98.1%	97.9%	↓	98%	97.6%	↓
Death Certificates Billed	.4%	.4%		.6%	.4%	↓

COMMUNITY HEALTH Vital Statistics Program – Fiscal Year Data

Revenue	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Birth Certificates (\$25)	\$97,425	\$97,175	↓	\$700,475	\$677,575	↓
Death Certificates (\$25)	\$299,000	\$245,750	↓	\$1,743,025	\$1,455,725	↓
Births Registrations (\$13)	\$36,816	\$36,400	↓	\$265,473	\$251,615	↓
Deaths Registrations (\$13)	\$32,331	\$26,559	↓	\$197,327	\$162,500	↓
Convenience Fee (\$2)	\$7,618	\$7,908	↑	\$6,805	\$4,267	↓
Miscellaneous Admin	\$1,220	\$686	↓	\$56,500	\$54,034	↓
Total Vital Records Revenue	\$474,410	\$414,478	↓	\$2,969,605	\$2,605,716	↓

*Numbers will change once stable

COMMUNITY HEALTH Passport Program – Fiscal Year Data

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

	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Applications						
Passport Applications	663	863	↑	4,131	5192	↑
	Jan 2022	Jan 2023		FY 21-22 (Jan)	FY 22-23 (Jan)	
Revenue						
Passport Execution/Acceptance fee (\$35)	\$23,205	\$30,205	↑	\$144,585	\$181,720	↑

V. HEALTH CARDS

A. COVID Activities:

1. Perpetual oversight of door screener as ICS is demobilizing, with plans to perpetuate until instructed to cease screening and triage at front door.

B. Food Handling / Health Cards:

1. Two weeks of appointments are available at a time, with hundreds of appointments being added Thursdays at 5 p.m. for the week after next. All slots are generally claimed by Sunday. Additional early morning and late afternoon appointments are added daily for the following weekday at the Decatur location to assist those clients who have an immediate need for a card., such as when starting employment.
2. Preparations continue for the closure of the central cashier and rollout of cashiering in the Sexual Health and Immunization clinics by early February 2023.
3. For the month of January, we averaged 145 “passing and paying” online renewal clients per day, with a total of 4,513 clients renewing online.

C. Body Art Cards

1. Appointments for Body Art Cards expanded from being available at just our Decatur location to also our Fremont and Henderson offices, increasing capacity by 35%.

CLIENTS SERVED	Jan 2023	Dec 2022	Nov 2022	Oct 2022	Sep 2022
Food Handler Cards – New	3,698	3,175	3,016	2,573	2,107
FH Cards – Renewals	4,143	3,924	3,440	3,126	3,266

FH Cards – Online Renewals	4,513	3,021	2,794	2,965	3,181
Duplicates	406	244	232	239	228
CFSM (Manager) Cards	315	162	155	132	154
Re-Tests	1,513	1,254	906	810	876
Body Art Cards	77	69	67	108	107
TOTALS	14,665	11,849	10,610	9,953	9,919

VI. HEALTH EQUITY

- A. The Health Equity program received funding from the Center for Disease Control (CDC) 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.
 - 1. The program was granted a No Cost Extension to continue to carry out program activities until May 31, 2024.

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	70	70
NAAT NG/CT	1146	1146
Syphilis	778	778
RPR/RPR Titers	164/73	164/73

Hepatitis Total	909	909
HIV/differentiated	466/7	466/7
HIV RNA	78	78

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 January, the average daily testing was 469 and the average turnaround time was 41 hours days for PCR testing from the collection date to the release the of the test report. The average laboratory total test for SARS-CoV-2 using Panther Aptima NAAT testing is 984 tests per week.
- 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

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

Month	# PCR& NAAT/#POS	COVID	# PCR\$ NAAT/#POS
January	8775/722	July	
February		August	
March		September	
April		October	
May		November	
June		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:

B. Epidemiological Testing and Consultation:

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. There was 2 cases for outbreak investigation in January.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In January, SNPHL performed 41 respiratory panels on the BioFire.

C. Emergency response and reportable disease isolate testing report:

3. 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
4. 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											

5. 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.
6. SNPHL performed 24 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in January 2023.
7. 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.
8. SNPHL is validated for sequencing of SARS-CoV-2 and variants of concern through the identification of lineages and clades.

9. 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 January 2023, SNPHL has sequenced 86 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.
10. 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.
11. 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											

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. In January, we tested a total 0 mosquito pools samples.
13. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in January, a total of 70 clinical isolates, Neisseria gonorrhoeae 46 isolates) and Neisseria meningitidis (0 isolates), were collected and will be sent to either the regional laboratory for antimicrobial susceptibility testing (AST) or the CDC, respectively. Remnant NAATs or N. gonorrhoeae samples will be sent to the CDC for molecular-based AST testing as part of eGISP Part B.

D. All-Hazards Preparedness:

1. SNPHL provides / assists testing for SNHD COVID 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. January 2023 SNPHL Activity Highlights:

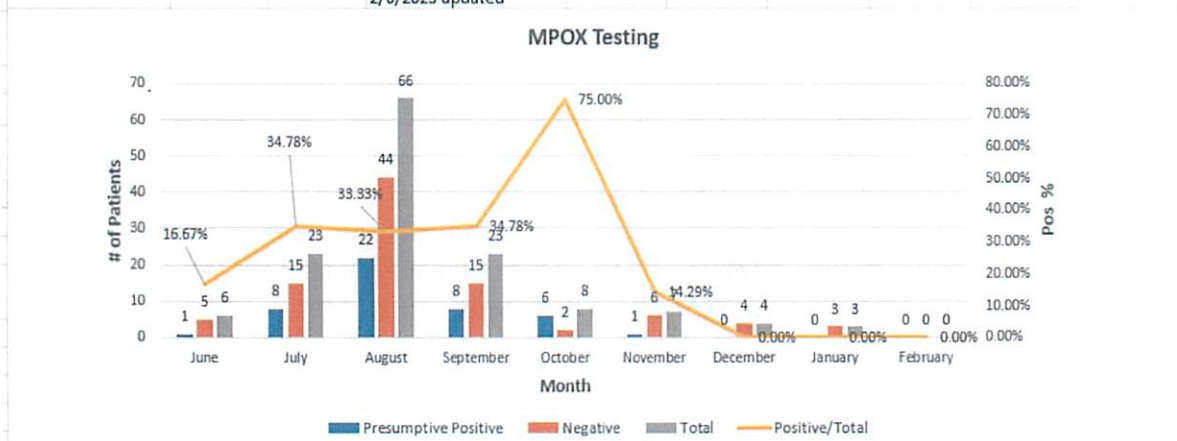
1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. The renovation of the clinical laboratory is almost completed now. Laboratory plan to move the clinical laboratory to the new lab in the second week of January 2023. This new 14,000 sf of the laboratory will be added to the urine analysis, clinical chemistry, and TB testing for uninsured patients in the future.
3. The staff from molecular laboratory has been trained for the new liquid handler, Tecan, in January 2023. This instrument will reduce human error and increase the capacity of the process the COVIS whole genome sequencing. The scripts of various WGS testing have been installed.
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. We received CDC approval for purchasing Biofire instruments and other reagents on Friday, January 13, 2023. We started to install and validate the warrior panel and verification process with CDC. CDC is also under development and validating the new PCR methods for the identification of the Ebola Sudan strain.
6. According to the WGS and genomic data analysis, the Omicron variant BA.5, BQ.1 and BQ1.1 lineages are domain lineage in January, 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.
7. SNPHL still remain the service for the Monkeypox testing for the residents of Clark County even the ICS for Monkeypox has been demobilized.
8. MP-24 nucleic acid extraction instrument has been validated and will be used in the MONKEYPOX testing in the BSL-3 laboratory.

9. There are safety concerns for the SNPHL facility. The SNHD Facilities team is currently assisting the process of obtaining a security camera upgrade.
10. 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. The current Monkeypox testing status is summarized as follows:

MPOX testing from SNPHL*										
	June	July	August	September	October	November	December	January	February	Total
Presumptive Positive	1	8	22	8	6	1	0	0	0	46
Negative	5	15	44	15	2	6	4	3	0	94
Total	6	23	66	23	8	7	4	3	0	140
Positive/Total	16.67%	34.78%	33.33%	34.78%	75.00%	14.29%	0.00%	0.00%	0.00%	32.86%

* Per patient

2/6/2023 updated



II.
 III.

F. COMMUNITY HEALTH – SNPHL – Calendar Year Data

January Services	2022	2023	
Clinical Testing Services ¹	3,286	4,323	↑
Epidemiology Services ²	483	530	↑
State Branch Public Health Laboratory Services ³	35,369	9,247	↓
All-Hazards Preparedness Services ⁴	9	8	↓
Environmental Health Services ⁵	0	0	

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

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

³ Includes COVID 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