



# Memorandum

**Date:** September 7, 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 – August 2021

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

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

The Move Your Way initiative continued in July. CDPP partnered with Promotoras Las Vegas to provide free weekly physical activity classes at a local park in Spanish. Move Your Way factsheets and physical activity supports (jump ropes, pedometers, etc.) were also distributed. 67 people attended. Two final events are planned for early August and late September.

The Beauty Shop Health Outreach Program (BeSHOP) resumed blood pressure screening, education, outreach and referral. BeSHOP is modeled after the Barber Shop Health Outreach Program (BSHOP) only the outreach is conducted at Black-owned beauty shops that cater to Black women. One screening event was held in July. CDPP also recruited a new salon to the program. 'The Beautiful Studio' will join the program in August. A training is scheduled in August with the salon owner and the stylists. A screening event will be scheduled following the training.

A second 'With Every Heartbeat is Life' (WEHL) class is scheduled to begin in August at the Martin Luther King Jr. Senior Center. There are 11 participants (class max) registered for the 6-week course that provide education, instruction and support for people living with hypertension and cardiovascular disease. WEHL is designed specifically for the Black community and is designed to be taught in community settings. Our Health Educator II and our CHW will co-teach the class.

A follow up assessment was conducted at the TCMI Food Pantry to assess positive changes since the CDPP team worked with them to implement SWAP (Supporting Wellness at Pantries) in their food pantry. The SWAP program is designed to educate pantry clients on how to make healthier selections in the food pantry. The changes we have made have increased educational opportunities as well as increased the ability of the pantry to store and display healthier foods. Educational workshops on how to eat healthy on a budget are scheduled to be presented in September.

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

Staff continues to encourage and support the implementation of tobacco-free policies in multi-unit housing by direct calls, in-person visits, media campaigns, etc. Signage and cessation materials are provided free of charge as an incentive for policy adoption. This month staff has been collaborating with NV HAND staff to develop tobacco cessation educational materials, incentives and smoke-free signage that will be distributed to their residents in the next couple of months. The American Lung Association will be providing cessation trainings to property on-site facilitators. A media campaign promoting the Smoke-Free Housing directory ran from May through July. The paid media campaign directed at those currently renting apartments or potentially renting is comprised of radio, social media, online banners (specifically on rent.com and apartmentguide.com) and bus shelters.

The Native Hawaiian/Pacific Islander community needs assessment report was finalized. The data provides an insight to the community's behavior, attitudes, and thoughts around tobacco use. This data will be used to identify gaps and contribute to program design to reduce health disparities.

Daily updates and social branding group maintenance occurred. This includes membership, email, text, social media, influencer scales, etc. The BreakDownRiseUp.com website features information about the hidden dangers of smoking hookah and electronic cigarettes. The XPOZlv.com website features information about cigarettes and alternative-scene-specific content. The CRUSH website features information specific to the LGBTQ community to promote smoke free lifestyles. All three websites are updated monthly. In total, BreakDown, XPOZ and CRUSH social media networks reached more than 548,729 people in July.

Staff partnered with a non-traditional community partner called La Pulga. La Pulga is the fastest-growing Latinx community-based social media platform in Las Vegas serving over 500,000 members. This partnership will allow for various forms of advertisements to directly reach priority populations. La Pulga has agreed to help develop culturally appropriate media messaging to reach the Latinx community.

In efforts to promote tobacco cessation among the Latinx community, staff sponsored a LV Lights FC Pro Soccer match at the Cashman Field center. The event was held on 7/14 and featured the "Por Mi Por Ti Por Nosotros" initiative as well as special guest television personality, Fernando Fiore, a popular national level sports announcer delivered smoke-free and vape-free messages throughout the game. Event organizers estimated that more than 4,000 people were in attendance.

Staff continually provides tobacco cessation and smoke-free policy materials to partners for distribution at monthly outreach events, community sites and workplaces. All educational material is regularly reviewed by staff for updates. Staff developed new educational material for multi-unit housing this month.

This month, staff sponsored a table at the National Association of Residential Property Managers (NARPM), Property Management Symposium at Red Rock Resort & Casino on 7/29/21. Staff had the opportunity to directly network with multi-unit housing managers and other staff working in the housing field. Staff promoted the smoke-free housing initiative, "Be Healthy, Breathe Easy, Live Smoke-Free." The event had over 100 attendees. Staff met with the Nevada Apartment Association (NAA) Executive Director to provide technical assistance on tobacco policy. A collaboration between SNHD and NAA will continue to promote and encourage multi-unit housing owners and managers to adopt a tobacco-free

policy in their communities. Staff developed a media campaign to promote the SNHD Smoke-Free Housing Directory. The English campaign "Live Health Breathe Easy" and the Spanish campaign "Viva Saludable Respire Mas Facil" began running in May and ran through early July. The paid media campaign directed at those currently renting apartments or potentially renting is comprised of radio, social media, online banners (specifically on rent.com and apartmentguide.com) and bus shelters.

**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 July:

1. Work continued on the needs assessment as well as preliminary media activities. Preliminary reports on survey findings from Hispanics and African Americans have been shared with SNHD.
2. Eight influential messengers were trained by SNHD staff and contractors
3. Staff and contractors participated in 3 community events to distribute information and promote vaccination
4. Two new partnerships were formed to support vaccination efforts
5. Twenty-six new communication products were developed and deployed to support vaccination efforts. Over 158,600 people were reached through various communication efforts/campaigns.
6. Five pop up vaccine clinics were held in priority areas. 186 people were vaccinated at these events and 88% of those were representatives from one of our priority populations.

## **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.

Following the selection of a new Chair and Vice Chair, the committee discussed the need to develop an education component for cardiac arrest management. Also discussed was a change in the scope of practice to allow EMTs to monitor already established saline locks for interfacility transports.

### **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 continues its work on proposed revisions to the Clark County EMS System Emergency Medical Care protocols, including target temperature management and post resuscitation.

### **C. Medical Advisory Board (MAB)**

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

The Board discussed issues related to reports heard from the Education, DDP and QI Directors Committees.

### **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.

The Board welcomed the re-appointed RTAB non-standing members selected for the July 2021–June 2023 term.

The Board reviewed and discussed the trauma transport data for 1st quarter 2021.

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

<b>August EMS Statistics</b>	<b>Aug. 2020</b>	<b>Aug. 2021</b>	
<b>Total Certificates Issued</b>	57	67	↑
<b>New Licenses Issued</b>	51	61	↑
<b>Renewal Licenses Issued (recent only)</b>	0	5	↑
<b>Driver Only</b>	26	14	↓
<b>Active Certifications: EMT</b>	822	766	↓
<b>Active Certifications: Advanced EMT</b>	1673	1624	↓
<b>Active Certifications: Paramedic</b>	1873	1782	↓
<b>Active Certifications: RN</b>	59	63	↑

**CLARK COUNTY TRAUMA TRANSPORT DATA (01/01/2021 to 06/30/2021)**

<b>Total Transports</b>	<b>Step 1</b>	<b>Step 2</b>	<b>Step 3</b>	<b>Step 4</b>	<b>Discharged</b>	<b>Admitted</b>	<b>OR</b>	<b>ICU</b>	<b>Death</b>	<b>Transfer</b>
6910	7%	7%	34%	52%	56%	27%	2%	10%	2%	1%
<b>Out of Area (OOA) Transports</b>										
858		12%								

Prepared by the Office of Emergency Medical Services & Trauma System and Office of Informatics

Notes:

1. Out of Area Transports does not include non-trauma hospitals.
2. Out of Area defines compliance with EMS catchment zones. All EMS transports are protocol identified trauma patients delivered to a trauma center outside of their designated catchment zone.
3. Out of Area review threshold is 5% as was established by the Regional Trauma Advisory Board (RTAB). All data is reviewed by the RTAB on a quarterly basis. Current Out of Area overage is being evaluated by the RTAB as an ongoing perspective review of data.

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

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

1. Manager, senior planners, trainers, MRC volunteer coordinator, analyst and administrative staff may be serving in their SNHD and/or ICS positions in support of both SNHD and/or the MACC/MSST for the Southern Nevada community and hospital needs.
2. Following SNHD leadership direction, all non-essential meetings have been postponed for staff to attend all essential COVID-19, SNHD, community partner, and hospital meetings.

#### **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 and community partners continue to receive respirator fit testing. 61 fit tests completed. OPHP staff being cross trained to serve as back up for this essential responsibility for program and agency during sustained COVID emergency.

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

1. 02 AUG – HPP Liaison as Planning Section Chief led the Operational Period Brief for Operations Period 73 to brief all members of the SNHD Incident Command Team (Testing) on their weekly activities providing a common operating picture to the members of the ICT. Coordination and accountability are the primary goal of the Planning Section during this meeting along with planning guidance.
2. 03 AUG - HPP Liaison as Planning Section Chief provided support to the SNHD Incident Command Team's Operations Section Chief's tactics meeting. By hosting the meeting, identifying and accounting for the Tactics Briefing members, and providing planning guidance, the Operations Section Chief was able to have each section discuss their activities and needs for the upcoming period: Operations Period 74 starting Monday, 9 August 2021.
3. 04 AUG – HPP Liaison provided an Abstract to the OPHP Supervisor for review in preparation for submission to the 2021 National Homeland Security Conference. The topic is Public Health & Emergency Preparedness – Partnership for success. Once approved, the abstract will be submitted to the NHSC team for approval/acceptance as a presentation at the conference. Also, HPP Liaison finalized the monthly presentation for the Southern Nevada Healthcare Preparedness Coalition on 5 August 2021. The final presentation from University Medical Center of Southern Nevada Lion's Burn Center was added and will be the educational presentation for the healthcare coalition.
4. 05 AUG – HPP Liaison, as the Chair, Southern Nevada Healthcare Preparedness Coalition, hosted the monthly healthcare coalition meeting for the community. Included in this month's coalition meeting was a presentation from University Medical Center of Southern Nevada Lion's Burn Center on Burn Patients Standard of Care, updates on the monthly All-Hospital Radio Test, Upcoming training for the community, Jurisdictional partner updates, and upcoming planning meetings. The presentation by University Medical Center of Southern Nevada Lion's Burn

- Center provided the community a common understanding of burn patient requirements especially when transferred from non-burn centers.
5. 09 AUG – HPP Liaison, as Planning Section Chief for the SNHD COVID-19 Testing Response hosted the Operational Period Brief for Operations Period 74. This provided the common operating picture to the Incident Command Team supporting testing by SNHD.
  6. 10 AUG – HPP Liaison attend the bi-weekly Microplanning meeting with the State of Nevada Representative and team. Also, as Planning Section Chief for the SNHD COVID-19 Testing Response attended the Operations Section Chief's Tactics Meeting for support to the operation. Finally, the HPP Liaison attended the Fire Creek III Table-Top Exercise with the University of Utah Medical Center and Western Region Burn Disaster Consortium.
  7. 11 AUG – HPP Liaison attended a webinar hosted by the Centers for Disease Control and Prevention focused on the experiences of the California Department of Public Health (CDPH) in implementing a responder safety and health program to protect its staff during the COVID-19 response. CDPH presenters described their approach for identifying responder safety and health gaps and implementing the Emergency Responder Health Monitoring and Surveillance (ERHMS) framework into CDPH's incident management structure. Very informative session.
  8. 12 AUG – HPP Liaison attended the Southern Nevada Adult Mental Health Services Emergency Management Committee Meeting providing updates on current COVID-19 trends, upcoming Coalition Meeting, Information on planning meetings for two table-top exercises, the Great Nevada ShakeOut in October 2021, the National Healthcare Coalition Preparedness Conference, and finally the Pediatric Disaster Response and Emergency Preparedness Course in April 2022. This information was also provided to the University Medical Center's Emergency Management Committee as well. Also, as Planning Section Chief for the SNHD COVID-19 Testing Response hosted the Planning Meeting.
  9. 16 AUG – HPP Liaison attended the Emergency Management Committee meeting hosted by Desert Springs Hospital. Updates from SNHD included upcoming Coalition Meeting, Information on planning meetings for two table-top exercises, the Great Nevada ShakeOut in October 2021, the National Healthcare Coalition Preparedness Conference, and finally the Pediatric Disaster Response and Emergency Preparedness Course in April 2022. The HPP Liaison, as Planning Section Chief, hosted the Operations Period Brief of Ops Period 75 starting on the 16<sup>th</sup> of August at 1600 (4 p.m.), and finally, attended the OPHP staff meeting to discuss OPHP deliverables with the entirety of the office staff.
  10. 17 AUG – HPP Liaison, as the planning section chief, took on the mantle of Operations Section Chief and convened the Tactics meeting for the SNHD Incident Command Team (Testing). In the meeting, updates were provided by the Laboratory, Federal Qualifying Health Center, Screening, Liaison Officer, Safety Officer, Logistics Section Chief, Environmental Health, and Vaccination liaison.
  11. 18 AUG – HPP Liaison convened the Concepts & Objectives/Initial Planning Meeting for the Radiological Response TableTop Exercise. This meeting invited members of healthcare system, emergency management

organizations, emergency medical services, critical infrastructure, and public health environmental health (safe drinking water). Members of the meeting agreed to the concept of the exercise.

12. 19 AUG – HPP met with OPHP supervisor, PHEP Senior Planner, Senior Admin, and Admin Assistant in the planning meeting to discuss grant deliverables and projects due this Budget Period. The HPP Liaison met with San Martin for their Emergency Management Committee meeting providing updates on current COVID-19 trends, upcoming Coalition Meeting, Information on planning meetings for two table-top exercises, the Great Nevada ShakeOut in October 2021, the National Healthcare Coalition Preparedness Conference, and finally the Pediatric Disaster Response and Emergency Preparedness Course in April 2022. Finally, the HPP Liaison, as Planning Section Chief, convened and hosted the Planning Meeting to prepare the incident command team for the upcoming operational period starting Monday, 23 August 2021.
13. 23 AUG – The HPP Liaison, as Planning Section Chief, hosted the Operations Period Brief of Ops Period 76 starting on the 23<sup>rd</sup> of August at 1600 (4 p.m.).
14. 24 AUG – HPP Liaison attend the bi-weekly Microplanning meeting with the State of Nevada Representative and team. Also, as Planning Section Chief for the SNHD COVID-19 Testing Response attended the Operations Section Chief's Tactics Meeting for support to the operation.
15. 25 AUG – HPP Liaison met with Ms. Elizabeth Dunn (Panel Moderator), Ms. Rebecca Glenn (Panel Member), Mike (MAC) McClendon (Panel Member) to provide introductions to the panel participants and discuss the questions that will be part of the "Planning for COVID-19" panel at the National Homeland Security Conference 2021 being held on 30 August 2021 in Las Vegas.
16. 26 AUG – HPP Liaison, as Planning Section Chief, convened and hosted the Planning Meeting to prepare the incident command team for the upcoming operational period starting Monday, 23 August 2021.
17. 30 AUG – HPP Liaison participated as a panel member during the opening day of the National Homeland Security Conference in Las Vegas, Nevada. The topic of the panel was "Planning for COVID-19" as part of the Public Health Track for the conference. Following this panel, the HPP Liaison, as the Planning Section Chief, convened and led the Operations Period Brief for Ops Period 77.
18. 31 AUG – HPP Liaison, as Planning Section Chief for the SNHD COVID-19 Testing Response, attended the Operations Section Chief's Tactics Meeting for support to the operation.

**D. Grants and Administration**

1. OPHP staff are supporting SNHD and MACC/MSST COVID-19 response and logistical needs.
2. Manager and Supervisor are in process of renewing contracts for start of new fiscal year to spend down federal funding according to grant scopes of work.
3. Vacancies due to promotion continue to be filled with new hires.



4. OPHP staff are in process of being cross trained to be able to be serve as backup for critical positions within program and for agency during sustained COVID-19 emergency.

**E. Medical Reserve Corps (MRC) of Southern Nevada**

The MRC coordinator works in conjunction with SNHD and community partners for volunteers needed for the COVID-19 response.

MRC Activities for July 2021:

In July, 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. Volunteers assisted at the SNPDL and at the Back-To-School immunization clinic. Total “accepted” volunteers stand at about 598. 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 July.

**F. MRC Volunteer Hours FY2022 Q1 COVID-19 Response and Non-Emergency**  
 (Economic impact amounts updated July 2021)

Activity	July	August	September
<b>COVID-19 VAX POD</b>	138.5		
<b>SNPDL</b>	54		
<b>SNHD Records Q.A.</b>	48.5		
<b>Back-to-School</b>	81		
<b>Total Hours</b>	<b>322</b>		
<b>Economic Impact</b>	<b>\$12,692.71</b>		

**IV. VITAL RECORDS**

**A. Vital Statistics**

August 2021 showed a 24% increase in birth certificate sales in comparison to August 2020. Death certificate sales showed a 10% increase for the same time frame. SNHD received revenues of \$49,543 for birth registrations, \$29,874 for death registrations; and an additional \$11,523 in miscellaneous fees.

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

Vital Statistics Services	August 2020	August 2021		FY 20-21 (Aug)	FY 21-22 (Aug)	
Births Registered	2,115	2,201	↑	4,329	4,335	↓
Deaths Registered	2,006	2,378	↑	3,882	4,134	↓
Fetal Deaths Registered	18	17	↓	28	43	↑

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

Vital Statistics Services	August 2020	August 2021		FY 20-21 (Aug)	FY 21-22 (Aug)	
Birth Certificates Sold (walk-in)	6	28	↑	10	50	↑
Birth Certificates Mail	92	110	↑	192	244	↑
Birth Certificates Online Orders	4,089	5,077	↑	7,682	9,728	↑
Birth Certificates Billed	104	122	↑	207	209	↑
<b>Birth Certificates Number of Total Sales</b>	<b>4,291</b>	<b>5,337</b>	<b>↑</b>	<b>8,091</b>	<b>10,231</b>	<b>↑</b>
Death Certificates Sold (walk-in)	2	31	↑	16	54	↑
Death Certificates Mail	127	112	↓	209	240	↑
Death Certificates Online Orders	9,098	9,997	↑	17,412	18,389	↑
Death Certificates Billed	42	54	↑	76	109	↑
<b>Death Certificates Number of Total Sales</b>	<b>9,269</b>	<b>10,194</b>	<b>↑</b>	<b>17,713</b>	<b>18,792</b>	<b>↑</b>

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

<b>Vital Statistics Sales by Source</b>	<b>August 2020</b>	<b>August 2021</b>		<b>FY 20-21 (Aug)</b>	<b>FY 21-22 (Aug)</b>	
Birth Certificates Sold Valley View (walk-in)	.1%	.5%	↑	.1%	.5%	↑
Birth Certificates Mail	2.1%	2.1%		2.4%	2.4%	
Birth Certificates Online Orders	95.3%	95.1%	↓	94.9%	95.1%	↑
Birth Certificates Billed	2.4%	2.3%	↓	2.6%	2.0%	↓
Death Certificates Sold Valley View (walk-in)		.3%	↑	.1%	.3%	↑
Death Certificates Mail	1.4%	1.1%	↓	1.2%	1.3%	↑
Death Certificates Online Orders	98.2%	98.1%	↓	98.3%	97.9%	↓
Death Certificates Billed	.5%	.5%		.4%	.6%	↑

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

<b>Revenue</b>	<b>August 2020</b>	<b>August 2021</b>		<b>FY 20-21 (Aug)</b>	<b>FY 21-22 (Aug)</b>	
Birth Certificates (\$25)	\$107,275	\$133,425	↑	\$202,275	\$255,775	↑
Death Certificates (\$25)	\$231,725	\$254,850	↑	\$442,825	\$469,800	↑
Births Registrations (\$13)	\$42,939	\$49,543	↑	\$81,393	\$96,395	↑
Deaths Registrations (\$13)	\$27,937	\$29,874	↑	\$52,691	\$55,081	↑
Convenience Fee (\$2)	\$8,660	\$10,490	↑	\$16,226	\$20,138	↑
Miscellaneous Admin	\$650	\$1,033	↑	\$1,197	\$2,125	↑
<b>Total Vital Records Revenue</b>	<b>\$419,186</b>	<b>\$479,215</b>	<b>↑</b>	<b>\$796,607</b>	<b>\$899,314</b>	<b>↑</b>

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

**B. Passport Services**

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

<b>Revenue</b>	<b>August 2020</b>	<b>August 2021</b>		<b>FY 20-21 (Aug)</b>	<b>FY 21-22 (Aug)</b>	
Passport Execution/Acceptance fee (\$35)	\$6,370	\$20,755	↑	\$10,850	\$43,400	↑
Passport Photo Fee (\$12)						
<b>Total Passport Program Revenue</b>	<b>\$6,370</b>	<b>\$20,755</b>	<b>↑</b>	<b>\$10,850</b>	<b>\$43,400</b>	<b>↑</b>

**V. HEALTH CARDS**

**A. Food Handling**

1. Appointments
  - a. Currently booked through October 31, 2021 with the deadline to obtain a card being the same date.
  - b. November 2021 appointments to be posted by close-of-business August 31, 2021.
  - c. Continually updating Larry Rogers and Aaron DelCotto in Environmental Health in case deadline needs to be extended.
2. Audio Test Update
  - a. Both English and Spanish versions have been loaded and need to be tested.
  - b. Audio test is working but without sound. Settings being adjusted to correct issue before rolling out.
3. Lake Cumberland District Health Department (Kentucky) - On-line testing that includes facial recognition.
  - a. Proposal presented to Dr. Johnson. He will share with Dr. Leguen to determine next step(s).
  - b. Costs:
    - Development and Customization: \$33,760.00 (one-time)
    - Client Fee: Projected to be \$25.00 per license (actual cost \$23.53)
    - Inspector Accounts: \$4,050.00 per month
      - Can be offset by \$1.47 difference for client licenses x 2,755 renewal clients per month. Projected potential of 4,583 clients per month.

SERVICES	Aug 1 - 31	Jul 1 - 30	Jun 1 - 30	May 1 - 31	Apr 1 - 30
Food Handler Cards - New	1,325	1,270	1,071	879	768
Food Handler Cards - Renewals	3,953	3,708	4,512	3,897	2,413
Duplicates	229	210	271	264	160
CFSM (Manager) Cards	154	131	161	180	102
Re-Tests	597	442	407	273	103
Body Art Cards	170	113	151	174	133
<b>TOTALS</b>	<b>6,428</b>	<b>5,874</b>	<b>6,573</b>	<b>5,667</b>	<b>3,679</b>

REVENUE - Point of Sale	Aug 1 - 31	Jul 1 - 30	Jun 1 - 30	May 1 - 31	Apr 1 - 30
Food Handler Cards - New	\$26,500.00	\$25,400.00	\$21,420.00	\$17,580.00	\$15,340.00
Food Handler Cards - Renewals	\$79,060.00	\$74,160.00	\$90,240.00	\$77,940.00	\$48,260.00
Duplicates	\$4,580.00	\$4,200.00	\$5,420.00	\$5,280.00	\$3,200.00
CFSM (Manager) Cards	\$3,080.00	\$2,620.00	\$3,220.00	\$3,600.00	\$2,040.00
Re-Tests	\$2,985.00	\$2,210.00	\$2,035.00	\$1,365.00	\$515.00
Body Art Cards	\$3,400.00	\$2,260.00	\$3,020.00	\$3,480.00	\$2,660.00
Late Fee	N/A	N/A	N/A	N/A	N/A
<b>TOTALS</b>	<b>\$119,605.00</b>	<b>\$110,850.00</b>	<b>\$125,355.00</b>	<b>\$109,245.00</b>	<b>\$72,015.00</b>

**B. COVID-19 Activities**

Oversight of Door Screeners

No changes, but successfully made it through “back to school” shots and the high volume of incoming clients.

**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 released a Request for Proposals (RFP) to select up to ten community and faith-based organization to conduct grass root initiatives to address COVID-19 health disparities. The deadline for RFP responses is September 3, 2021.
- B. The program continues to participate in community-based coalitions and workgroups addressing COVID-19 health disparities, testing and vaccination initiatives.
- C. Recruitment for new Health Educators took place in August with the selection of three applicants. The start date of the selected candidates is September 13, 2021.

**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 in the following table:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	68	55
NAAT NG/CT	1055	1002
Syphilis	485	458
RPR/RPR Titers	69/129	98/113
Hepatitis Total	308	274
HIV/differentiated	356/6	367/10
HIV RNA	27	34

**B. COVID-19 Testing**

1. SARS-Cov-2 PCR extraction is currently performed on the King Fisher Flex, or BGI/MGI platforms.
2. SNPHL goal is to maintain capacity of 1000-1500 tests/day) with turn-around-time of <48 hours (TAT 2Day- currently at/near goal).
3. For August, the average capacity was 991 and average turnaround time 33 hours days for PCR testing. The average laboratory total test capacity for SARS-CoV-2 including Aptima NAAT testing is 1,433 test 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.

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

COVID-19	# PCR/#POS	COVID-19	# PCR/#POS
January	15,626/1802	July	28,334/3,215
February	10,477/502	August	25,759/2,254
March	12,605/302	September	
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 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 diseases tests is listed as follows:

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

**D. Epidemiological Testing and Consultation**

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. Conducted 5 outbreak investigations in August.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). SNPHL performed in August, 50 respiratory panels on the BioFire as part of influenza surveillance.

**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. Positive Norovirus investigation from local restaurant. SNPHL working on suspect infant botulism case, and presumptive Candida auris identified by local sentinel laboratory.
3. Rule/out possible B. anthracis isolate from hospital – negative and rule/out possible Brucella isolate from hospital – ongoing.
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
Select Agent Rule out (total PCR)	0	2	3	8	2	1	0	2

5. SNPHL is clinically validated for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species, and for DNA-based identification of Salmonella serotypes.
6. SNPHL performed #36 Whole Genome Sequencing tests (WGS) as part of PulseNet in August 2021.
7. SNPHL is now using DNA-based typing of STEC (Shiga toxin-producing E. coli), improving workflow and turnaround time of reporting, as was done for Salmonella in April 2020.
8. SNPHL plans to expand clinically validated WGS-identification of the remaining PulseNet bacteria (Vibrio spp. and Listeria spp.).
9. 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. SNPHL is in the process of clinically validating more bacterial groups.



10. SNPHL is validated for sequencing SARS-CoV-2 and identifying variants of interest through the identification of lineages and clades as of mid-March 2021.
11. SNPHL has sustained capacity of sequencing #48 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing and method development. As of August 2021, SNPHL has sequenced 548 SARS-CoV-2-positive RNA extracts.
12. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

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

13. 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.

**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 has worked with the National Guard to phase the draw-down of their forces. They will draw down 1 guard member per month for June, July, and August with the final 3 leaving in September 2021.
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. August 2021 SNPHL Activity Highlights**

1. Laboratory starts to receive COVID-19 samples from CCSD on September 1, 2021.
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. Interview the laboratory manager position on Wednesday September 1, 2021, vacated on March 12, 2021. Dr. Kan is working with OD for the optimal organization structure for SNPHL and may adjust positions and tasking for better workflow and efficiency.

5. The laboratory received two KingFisher extractors; both extractors have been added into the COVID-19 PCR testing in August.
6. COVID-19 whole genome sequencing data from SNPHL has successfully uploaded into the State sequencing database, TERRA. Laboratory also submitted a total number of 1,613 positive COVID-19 samples to SNPHL for sequencing.

**H. COMMUNITY HEALTH – SNPHL – Calendar Year Data**

SNPHL Services	YTD August 2020	YTD August 2021	
Clinical Testing Services <sup>1</sup>	2634	3061	↑
Epidemiology Services <sup>2</sup>	226	332	↑
State Branch Public Health Laboratory Services <sup>3</sup>	17550	34526	↑
All-Hazards Preparedness Services <sup>4</sup>	42	35	↓
Environmental Health Services <sup>5</sup>	484	366	↓

- <sup>1</sup> Includes N. Gonorrhoeae culture, GISP isolates, Syphilis, HIV, CT/GC molecular, Gram stain testing and COVID-19 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 laboratory submissions.
- <sup>4</sup> Includes Preparedness training, teleconferences, Inspections.
- <sup>5</sup> Includes vector testing.