

# MEMORANDUM



**Date:** January 26, 2023  
**To:** Southern Nevada District Board of Health  
**From:** Fermin Leguen, MD, MPH, *District Health Officer*  
**Subject:** **District Health Officer and Division Accomplishments – 2022**

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## Executive Summary

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In summary, COVID-19 mitigation efforts took a considerable toll on our organization and employees' capacity to address critical public health needs of our community. All SNHD divisions continued to actively participate in COVID-19 response and mitigation efforts, while continuing to meet their deliverables.

Within the Administration Division, the Finance Department completed two budget augmentations and received zero audit findings for the FY21 audit. The number of awarded grants, amendments and revisions went from 182 (FY21) to 207 (FY22), which resulted in an increase in workload. The Facilities Department completed construction oversight for the new Fremont Health Center location, along with the move of staff from SNCHC, Health Cards and Environmental Health. Over the course of the year, the Human Resources Department implemented the non-bargaining class and compensation program, along with a centralized platform for recruitment and hiring (NEOGOV). The Information Technology developed and/or implemented applications for routine, travel, flu, etc. vaccines, upgraded eClinical Works, online renewal tests and certificates for Food Handler Cards, EH Inspector Validation, and deployed Entrust Multi Factor Authentication. The Legal Department continues to provide services to the entire Health District, with the most significant in Contracts Administration. The Office of Communications issued over 100 media releases and planned the Health District's 60<sup>th</sup> Anniversary celebration that included the State of the Health District.

The Community Health Division has concertedly made strides in upholding the SNHD mission statement "To assess, protect, and promote the health, the environment, and the well-being of Southern Nevada communities, residents, and visitors." Our Vital Records Team ratio does not equate to the enormous amount of registered & issued certificates they promptly provide. Online renewals from the Health Cards team has decreased in-person traffic and serviced more applicants than ever. The Office of Emergency Medical Services & Trauma System (OEMSTS) is a staple availing themselves to high standards regarding accredited examinations & licensing. Our Office of Chronic Disease Prevention and Health Promotion (OCDPHP) team offers endless events advancing the community toward full circle wellness. Their Vaping Prevention Program, shattered the original goal of 500, training 7,636 youth. With SNHD's geographical positioning, Las Vegas needed someone to mobilize the Incident Command System. Our Office of Public Health Preparedness (OPHP) embraced the challenge, joining hands with community partners to combat health hazards. The Health Equity Program undergirds our community like none other with "Pop-Up Clinic" events and campaigns targeting the underserved. The Southern Nevada Public Health Laboratory (SNPHL) completed 222,545 COVID-19 tests. They obtain real-time data & analysis that give warning and a basis for community health planning.

Within the Disease Surveillance and Control Division, staff was able to secure new funding (NDOCCD, HRSA-077, HRSA RWHAP, DHHS SAMHSA, COVID-19 Health Disparities, Center for AIDS Research, Detection & Mitigation of COVID-19 in Homeless Services Site, and the Gilead FOCUS Award). Staff in the Office of Disease Surveillance finalized the Community Health Improvement Plan outlining the top four health priorities of Access to Care, Chronic Disease, Transportation, and Public Health Fundings. The Acute Communicable Disease Control team launched COVID Vending machine project to provide access to free antigen tests to rural communities. Staff in the Office of Epidemiology investigated outbreaks at the Secret of Siam, Real Water, and various schools. The Office of Public Health Informatics maintained

the COVID-19 Dashboard, along with automating COVID-19 contact tracing efforts and patient notification.

Within the Environmental Health Division, staff received Board of Health approval for a 27% increase to the Environmental Health Fee Schedule and an annual Consumer Price Index (CPI) adjustment starting in 2024. The fee increase and CPI adjustment will be used to hire 24 additional staff and give programs sustainability as the community continues to grow. Staff in the Consumer Health area drafted regulations governing Body Art Establishments and began implementation efforts. The area of Food Operations had staff work with industry on the SNHD 2023 Food Regulations, which was met with praise by both the regulated community and BOH members for their strong partnership, flexibility, and open communication. The area of Solid Waste & Compliance completed 3,400 annual Restricted Waste inspections and approximately 1,000 Illegal Dumping responses. Staff also conducted 14 residential investigations in Clark County for Legionnaires' disease or Pontiac fever, along with 16 well water systems in rural Clark County for Legionella bacteria. As required under Senate Bill 386, staff conducted 760 resort/hotel COVID-19 prevention compliance inspections. Staff in Engineering took over Plan Review duties for the Public Accommodations Program and participated in a Septic to Sewer Conversion Working Group with Clark County, the Southern Nevada Water Authority, and Clark County Water Reclamation District.

Within the Primary and Preventive Care Division, the Preventive Medicine Residency Program lost accreditation and continued to provide training to one student, who completed his final year of residency. The Academic Affairs Program coordinated the placement of 115 students, residents, and fellows for a total of 4,012 hours of applied public health practice. The Immunization Program administered a total of 87,172 vaccines to 33,755 clients. The Sexual Health Clinic had 9,606 patient visits and established a Congenital Syphilis Case Management Program. The Refugee Health Program provided services to 443 refugees, and the Tuberculosis Program treated 52 individuals. The Community Health Nursing Program, through four separate initiatives, enrolled 201 families and provided services to 422. Along with supporting the efforts of community partners, the COVID-19 Vaccination Program administer over 97,000 vaccinations and enrolled 236 providers to administer vaccine in their clinics.

Within the Southern Nevada Community Health Center, a federally qualified health center, there were 5,724 unique patients served with a total of 13,425 patient encounters. The Health Center successfully completed the HRSA Operational Side Visit and onboarded three new patient board members. The new Fremont Public Health Center opened as the permanent flagship location for the Health Center and expanded hours of operation to better serve the community. The Health Center continued to provide COVID-19 testing and vaccination, and expanded to include Mpox vaccinations and COVID-19 therapeutics program. More than 33,000 COVID-19 vaccinations were administered. The Health Center continues to expand behavioral health services through additional Licensed Clinical Social Workers.

## Administration Division

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### Facilities Department

- Completed construction oversight of new Fremont location.
- Moved FQHC, Health Cards and Environment of Health into Fremont location.
- Opened Bonanza clinic.
- Completed addition of 1st floor lab expansion at SNPPL.
- Expanded Health Cards and Immunization clinic at the Laughlin location.
- Identifying Fall Hazards for the roof of the main building and recommending engineered controls for employee protection.
- Workplace Violence Prevention Program review and obtaining training for verbal de-escalation as part of the requirements.
- Obtaining PPE in the form of body armor for our underserved employees and creating a department wide policy for its implementation and use.
- Multiple incident reporting investigations conducted initiated by employee complaints and management concerns. (Illegal vending equipment, Medasource and Fulgent Kiosk, confidential employee illness incidents and investigations to name a few.)
- Restructuring of Security training.
- Development of a new Security Handbook.
- Multi-department inspections for physical hazards.
- Creation of the Heat Illness Prevention Plan for Southern Nevada Health District.
- Creation of a Fire Prevention Plan for Southern Nevada Health District.

### Finance Department

#### FINANCE

- We completed two budget augmentations in FY22 and received approval from Department of Taxation with no findings.
- Audited Financial Statements were delivered on time for FY21 and had zero audit findings, FY22 audit is still in progress.
- Bank Reconciliations and Treasury reports submitted timely to the county.
- New or active renewal grant awards were managed by the Grants Team and they continue to research new funding opportunities and are committed to retaining funding for existing programs. Total grants, amendments, revisions for FY21 – 182 and FY22 – 207.
- There were new or expansions of grants to support specific sub-populations impacted by the COVID-19 pandemic, including in jail and detention facilities and in long term care facilities.
- Accountants successfully produced grant reimbursement requests and other deliverables in acceptable timeframes in a sustained level of grant activity.
- The payroll team has managed to process increasing payroll and manage other deliverables despite new complex funding sources and continued challenges presented by software limitations. After FYE21 there were 705 employees with paid activity and at FYE22 there were 741 employees with paid activity.
- Purchasing responded to critical and time-sensitive purchasing activities related to COVID surges, relocation of services to new locations and expansion of existing facilities. Purchase Orders

processed in FY21 – 1,839 and FY22 – 1,865. Combined activity processed including p-card and purchase orders in FY21 – 4,301 and FY22 – 5,472

- The Finance team navigated the challenge of a complete turnover in their management team and the fiscal year-end and audit process as well as integrating new staff into the department in the Grants and Accounting functions.

#### BILLING

- Developed the Multivax/COVID project with Salesforce, State Medicaid and SNHD, and continuing with enhancements.
- Submitting claims for insured COVID-19 patients.
- Identified issues with Credentialing and implemented the process to Credential new Providers, revalidate providers and credential new facilities.
- Beginning the process of adding more Insurance Payers for billing labs for SNPHL.
- Billing was brought back in-house and the billing team was given the workflow process. They continue to bill claims, post payments and work accounts receivable among other Revenue Cycle duties.
- Board Approval to change adjustments on old accounts from 18 months to 12 months, and then auditing and processing all accounts over 12 months old to bring them current.
- Identified issues within the Revenue Cycle process and provided training.
- Developed training and trained departments outside of Finance about the Revenue Cycle and of their importance to the billing department.
- Initiated the review and amendments of Insurance Payors and Vendor contracts.
- Prepared, participated and received no findings with the HRSA Site Visit.
- WRAP Report (Medicaid reimbursement) > \$700k; submission for CY21 & CY22 (current status – CY21 submitted/accepted by state in November and CY22 filed week of 01/02/2023)

#### HIGH LEVEL GOALS FOR 2023

- Focus on training and cross-training activities to ensure sustained knowledge levels and business continuity and coverage for critical processes
- Update and expand procedures for processing and reporting activities within Finance
- Implement improvements to payroll processing and reporting functions overall for the department
- Grants Team continue to research new funding opportunities
- Transition immunization billing activity in-house
- Support implementation of eCW functionality to accommodate billing and reporting capabilities (current status – in progress)

## Human Resources Department

#### COVID-19 SUPPORT

- CMS vaccine mandate policy implementation

#### EMPLOYEE/LABOR RELATIONS & RECRUITMENT

- Implementation of Non-Bargaining Class & Compensation program, includes approval by the Board of Health.
- Hired FQHC Operations Officer

- NEOGOV implementation – HR centralized platform for recruitment and hiring that is public sector compliant. Consists of integrated, cloud-based modules to recruit, develop, and manage the hiring process. Candidate self-service portal, comprehensive report, creation of e-forms.
- Updated Holiday Pay – Employees are now able to schedule their leave time based on their Alternative Work Schedule.
- Offers – Collaboration with management and SEIU to increase offers to nursing staff to reduce turnover while increasing new offer acceptance.

#### BENEFITS/HRIS/EMPLOYEE RECORDS

- Implemented an online exit survey – Capturing anonymous exit feedback.
- Implemented FMLA source – FMLA and ADA for reviewing, approving, processing, and tracking FMLA leave requests with the oversight of expert legal staff.
- Implemented HR centralized platform – For recruitment and hiring that is public sector compliance. NEOGOV consists of integrated, cloud-based modules to recruit, develop, and manage the hiring process. Candidate self-service portal, comprehensive reporting, creation of e-forms.

#### PERCEPTION OF HUMAN RESOURCES

- Mentoring – Implemented leadership mentoring sessions to identify needs and made recommendations on training opportunities.
- Initiated Recruitment and Retention strategy meetings – Other Collaboration and communication strategies to meet department needs and forge more HR collaboration across the organization.
- New employee orientation – Revamped the initial process of welcoming new employees to SNHD.
- Award – Received NEOGOV Advocate Award.

## Information Technology Department

#### STAFF / AWARDS

- SNHD Information Technology was awarded the innovation award Special District of the Year from Government Technology magazine and AT&T
- SNHD was also recognized by Government Technology magazine for two projects, the Health Cards Online Renewals and Online Vaccine Management Systems.
- Jason Frame, Chief Information Officer, participated in a panel discussion on “The Balancing Act Between Data and Privacy” at the 2022 Nevada Digital Government Summit in December.

#### APPLICATIONS

- Added ability to include all Vaccines to the Original COVID-19 application. This allows patients to register themselves for Routine, Travel, Flu, etc. The system is dynamic enough where SNHD was quickly able to add MonkeyPox vaccine package with its corresponding screening questions.
- Integration of 3<sup>rd</sup> party billing company, MedSphere was also completed for all vaccines where insurance information is available.
- Added ability to schedule and administer 6 months-5 years for both Pfizer and Moderna.
- Added Novavax vaccine administration for COVID-19.
- Upgraded eClinicalWorks to the latest version available.
- Added registration for COVID vending machines that dispenses COVID home test kits

- Added web scrapping to show appointments for COVID tests at all locations including Non-SNHD operated locations on SNHD Website calendar for COVID Test sites.
- Food Handler Photo update application for clients who cannot be physically present for photo.
- Food Handler Online Renewal Tests, Certificate printing, and Payments.
- Launched Food Handler Limited Card appointments
- Launched “Find My Appointment” feature on our main website.
- Launched new website for GHCC <https://www/becausewematterlv.org>
- Addition of reports for SNHD staff working on COVID Testing, Food Handler, and COVID Test Kit Vending for their perspective programs.
- Automated reports of SNPHL lab results sent out to different testing locations
- Added ability to generate prefilled test request PDFs for SNPHL.
- EH Inspectors Validation which allows public to validate they are SNHD Inspectors.
- EH Camera Mobile Application updates to reduce Photo size
- Rebuilt Neon to Nature Mobile Application for new look and better user experience.
- Getting CyberSource Secure Acceptance Profile added and token generation for Accela
- GIS coordinates creation and data entry for EH Facilities to get them ready for GIS capabilities in Accela
- Updated database and documents to reflect EH Fee Schedule increase
- Data cleanup as part of readiness for data load into Accela
- Deployed next phase of Pool Operator Badging application for EH
- Email invoicing opt-in for Food and Solid Waste programs for Finance.
- Added ability to search birth and Death Certificates from WebVR and Laserfiche directly from FormsAdmin to users don’t have to log into WebVR which only operated in unsupported version of Internet Explorer.

#### OPERATIONS

- Completed Entrust Multi Factor Authentication deployment
- Completed Mimecast Upgrade, automatic login using Single Sign
- Completed Email to PDF plugin upgrade
- Completed upgrade of Digital War Room for Legal
- Completed network extension to Westwood location
- Completed upgrade of Conference Room Calendar Display devices
- Completed launch of Contact Center Express for FQHC Call Center
- Completed PC refresh for SNPHL
- Deployed 300+ new desktops & laptops as part of technology refresh and new deployments
- Onboarded 300+ new employees, temps, volunteers, and contractors.
- Completed IT infrastructure setup at Fremont building.
- Completed building moves
  - EH Rancho to Fremont
  - FQHC Decatur/Bonanza to Fremont
  - Health Cards Decatur to Fremont
  - Mesquite office to a new location
  - NLV office back to Decatur
  - Galleria to a different suite



- Closed down Henderson ADOC location
- Completed network expansion at SNPHL remodel.
- Completed upgrade of Rubrik backup solution and feature implementation to cover Office 365.
- Completed upgrade and of Varonis and feature implementation to cover Office 365.
- Completed implementation of new A10 Thunder enterprise load balancers
- Completed ClearPass deployment to replace Cisco ISE
- Completed deployment of VMware Horizon VDI infrastructure, migration ongoing.
- Completed virtualization of legacy web servers, decommissioned legacy physical servers.
- Completed storage network redesign using a dedicated storage fabric, installed Arista switch stack, host migration is ongoing.
- Completed installation of Guardicore for network micro segmentation, creation of labels and policies, agent rollout ongoing.
- Completed copier fleet refresh, printer fleet refresh expected to complete by EOY.
- Assisted HR in revamping employee onboarding process, implemented IT portion of onboarding procedures.
- Completed deployment of Informacast paging system, deployed it to Behavioral Health and Fremont.
- Completed migration of Cisco phone system to new cluster and decommissioning of old UCS servers.
- Completed migrating applications from and decommissioning the legacy CROTON server.
- Rolled out a new computer imaging tool – Dell ImageAssist for desktop imaging, developed a universal image compatible with all current desktop and laptop models in production.

## Office of Communications

### MEDIA ACTIVITIES AND EVENTS

- Between July 1, 2021 and June 30, 2022, the Office of Communications logged 440 media inquiries. These include traditional newspaper (national and local), digital news services, radio, and television outlets.
- In 2022, the Office of Communications facilitated more than 140 interviews on a range of public health topics including COVID-19; mpox; RSV; flu; the opening of the new Fremont Public Health Center; fentanyl overdoses, deaths and resource availability; COVID-19 self-testing vending machines; death of a resident infected with *Naegleria fowleri*; obesity rates; HIV/AIDS; extreme heat; Veggie Buck Truck events; West Nile virus; back to school immunizations; THC in food; updated mask recommendations; antiviral treatments; SNHD 60<sup>th</sup> Anniversary; smoke-free spaces; and more. Virtual media briefings were held as needed for COVID-19 and mpox.
  - A media availability was held with Clark County at Texas Station in January to highlight the availability of drive-thru testing services in response to a surge in demand.
- The Office of Communications planned SNHD's 60<sup>th</sup> Anniversary and State of the Health District in June. Stakeholders and media were invited to the celebration event which included the agency's State of the Health District presentation.
- Staff planned an event for SNHD's newest location — the Fremont Public Health Center. The Open House was held on September 8, and allowed the public, stakeholders and media full access to the new facility. The event was attended by community partners, elected officials, board members and media representatives. Resources, information about services and tours of the facility were provided to attendees.

- Office of Communications staff worked with its partners to host a news conference and health fair to kick off the 2023 open enrollment period for Nevada Health Link on November 1. Nevadans were invited to meet health insurance carriers offering health plans through Nevada Health Link, as well as access health-related resources through the health fair.
- The Office of Communications distributed more than 100 news releases, which included COVID-19 updates and statements, updated vaccine information, testing, treatment, and wastewater surveillance. Non-COVID-related news releases included mypox case updates, vaccine and resource information; HIV and STD testing services and resources; SNHD's 60th anniversary; public health observances; flu season and vaccine availability; increases in RSV and respiratory illnesses, fentanyl updates and the availability of resources; *Naegleria fowleri* death; *Listeria* outbreak information; pop-up produce markets and more

#### DIGITAL PLATFORMS

The Health District optimizes its social media platforms, e-newsletters, websites and other communication venues to provide information to the public.

- The dedicated COVID-19 website ([www.snhd.info/covid](http://www.snhd.info/covid)), which is a top source of information on testing and vaccines for Southern Nevadans, has been visited by more than 808,000 users.
- The Southern Nevada Community Health Center's website ([www.snchc.org](http://www.snchc.org)) has been visited by more than 27,000 users seeking information about health care services.
- The main website ([www.snhd.info](http://www.snhd.info)) provides information on all other SNHD programs and services, as well as disease statistics, provider resources and more. It has been visited by 2,100,000 users.
- SNHD's Facebook followers grew more than 7 percent from 12,224 followers to 13,163 followers. Instagram followers grew 11 percent, from 3,616 to 4,041. Additionally, SNHD launched a page on Next Door to provide public health information on this app. Previously Next Door had not allowed public health agencies to use its platform.
- Social media ad campaigns to promote COVID-19 vaccine and testing locations, foodborne illness reporting, National Infant Immunization Week and the Family Planning Clinic have been seen a combined 2,428,607 times by 645,562 people.
- The Health District's publicly distributed e-newsletter, *The Public Health Perspective*, has a subscriber-based circulation of more than 12,655 contacts. Newsletter topics have included new hours of operation, extreme heat, COVID-19 vaccines, healthy resolutions, back-to-school and flu vaccine information, and the 60th Anniversary.

#### MARKETING AND BRANDING ACTIVITIES

- The Office of Communications developed a branding and promotional campaign celebrating the Health District's 60<sup>th</sup> anniversary. The 60 Healthy Years campaign highlights key public health moments through the agency's last 60 years, engaging the community and fostering pride in the work among new and longtime employees. The campaign kicked off with a State of the Health District event, bringing together community members and stakeholders and continues throughout the year with weekly social media posts to maintain public awareness. Commemorative items were created for employees and stakeholders including shirts, a water bottle, lapel pin, pen, and a photo book.
- Staff worked with the Ryan White program to create and update a unified system of informational materials for the program. UMC recently requested to be a partner in distributing the materials. The

system pairs information about HIV treatments with journal-style prompts for clients to complete, helping care providers explain treatment plans in a more personalized way. The personalized, interactive format of the materials works towards the clinic’s goal of increasing clients’ understanding of and adherence to treatment. Office of Communication’s staff worked with the Ryan White program to focus-test these materials with clients and continue to refine them to be more effective and client-centered.

- The Fight the Bite mosquito awareness campaign was refreshed for the Vector Surveillance Program. The campaign messaging continues to reinforce the critical public awareness and reporting component of the mosquito surveillance program.
- The Office of Communications created branding systems and outreach materials for key Office of Chronic Disease and Public Health Promotion programs including the 5210 Healthy Habits campaign, Pop-Up Produce farmers markets, the student vaping awareness program, tobacco impact infographics, and others.

#### COMMUNITY OUTREACH

- SNHD had a large presence at this year’s Las Vegas PRIDE Weekend. Approximately 30 SNHD employees and family members marched in the PRIDE Parade, and Office of Communications staff participated in the Pride Festival with an outreach booth that provided uniquely branded materials specifically tailored by Las Vegas Pride based on its Arm in Arm community COVID-19 vaccine campaign. Vibrant colors and an overall theme of love and community resonated with the spirit of the event while supporting SNHD’s continued focus on vaccination against COVID-19. While the campaign was initially created to specifically promote COVID-19 vaccines, the materials for PRIDE were also designed to promote an overall vaccination message, including mpox. SNHD staff wore brightly colored t-shirts and carried signs celebrating “Love and Health,” and handed out slap bracelets and temporary tattoos. Hundreds of promotional materials that promoted the Arm in Arm campaign were distributed along the Las Vegas PRIDE Parade route and at the Las Vegas PRIDE Festival.
- SNHD has also participated in outreach and sponsorship events including Discovery Children’s Museum Hispanic Heritage Month, Springs Preserve Haunted Harvest, Springs Preserve Dia De Muertos, Opportunity Village Magical Forest, and more.

## Legal Department

### LEGAL DEPARTMENT PROGRAMS AND PROGRAM METRICS

#### a) Public Record Requests

The Legal Department manages the Public Records Program and oversees Health District compliance with the Nevada’s public records law consistent with NRS Chapter 239.

Public Record Requests for 1/1/22-10/1/22: 1473  
This represents a 2% increase over the same time period the prior year

#### b) Medical Record Requests

The Legal Department manages the Public Records Program and oversees Health District compliance with the Nevada’s public records law consistent with NRS Chapter 239.

Medical Record Requests for 1/1/22-10/1/22: 741  
This represents a 25% decrease over the same time period the prior year

As of January 1, 2023, the Legal Department is turning over the medical records program to the FQHC and PPC programs to process the requests directly. However, the programs will continue to work with the Legal Department on any complicated medical records or compliance.

c) Subpoenas

The Legal Department manages all subpoenas requesting Health District business records and coordinates responses with the applicable Health District Division and all demands for employee depositions in non-party litigated matters. There were 28 subpoenas for the time period of 1/1/22 to 10/1/22, which was a 29% increase for the same time period the previous year.

d) Prosecution in Administrative Hearings

The Legal Department, primarily through the Associate General Counsel, represents the District in the prosecution of administrative hearings. On a monthly basis, the Solid Waste Management Authority convenes hearings regarding illegal dumping, unpermitted disposal, and violations by permittee’s disposal permits. On an as needed bases, the Associate General Counsel has also represented the Office of EMSTS, food operations, or day care operations for revocation, suspension, or other adverse action wherein a hearing is requested by the permittee/licensee.

Administrative Hearing Cases for 1/1/22-12/1/22: 41

e) Contracts

Beginning with a completed and signed Contract Request Form, contracts are developed and negotiated on behalf of the Health District and Community Health Center. Contracts are reviewed for form and sufficiency relative to: i) contracts with an expenditure of \$50,000 or more; ii) professional services iii) contracts requiring the disclosure of protected health information or personally identifying information; iv) interlocal contracts; v) real property and construction contracts, vi) employment contracts; and vii) affiliation agreements.

The implementation process of the contracts management database has been completed. The database will not only aid contract staff in drafting contracts, but more importantly, act as a central database for submitting contract requests, obtaining necessary approvals (previously completed with the contract request form), will link to the Finance funding code, provide a place to look up the contract status, obtain signatures, and will be a repository for the completed contract.

For the third year in a row, Contract Administration has seen an increase in the volume of contract requests. By November 1, 2022, more contracts were processed in 2022 than for the entire year of 2021.

Contract Administration Metrics Calendar Year 2022 through September 30, 2022	Requests Received	# of requests received with expectations of expedited completion	% of expedited requests received	Requests Processed
January	21	5	24%	19

February	25	8	32%	27
March	20	3	15%	24
April	25	5	20%	54
May	28	5	18%	16
June	35	20	57%	32
July	20	13	65%	31
August	45	22	49%	35
September	28	11	39%	40
Totals, Calendar Year, January 1, 2022 through September 30, 2022 (Average expedited requests received per month in the case of % of expedited requests)	247	92	37%	278

f) Southern Nevada Community Health Center

The Community Health Center (CHC) was notified in November, 2021 of an Operational Site Visit (OSV) to occur in 2022. Legal staff assisted the program with updating needed policies, the Compliance Officer prepared a list of required annual staff training, and General Counsel provided an analysis of gap areas. Once successfully completed, General Counsel and program quality staff returned to the Federal Torts Claims Act (FTCA) deeming application, which is being submitted on or before December 31, 2022 for approval to HRSA.

The Legal Department also engaged in quarterly risk management activities, as well as updating further policies to ensure FTCA compliance. If deemed, the federal government will act as medical malpractice insurance for clinical staff working in their capacity in the CHC. This will be a cost savings to the District and ensure ongoing compliance with HRSA requirements for the grant.

g) Risk Management Program

In addition to managing the insurance products for the Health District, the Legal Department identifies, evaluates, and measures the different types of risks that can impact the Health District and the Community Health Center. The Risk Management Program also prepared the Risk Management Annual Report.

General Counsel completed the certificate programs from ECRI for clinical risk management to aid in risk management activities withing the CHC.

h) Compliance Program

The Compliance Officer chairs the Compliance Committee that meets quarterly to review compliance issues and discuss areas the District may need review.

The Compliance Office investigates all cases submitted regarding allegations of ethical violations. These investigations involved reviewing documents and policies, as well as interviewing staff. In an investigation, the Compliance Officer can work with many different departments to collect this information such as HR and Security. Reports are collected and findings are sent to General Counsel and the District Health Officer.

Ethics Point Cases for 1/1/22-12/1/22: 15

Compliance completed the District's annual HIPAA Risk Assessment and assisted staff in identifying and addressing areas of concern. Collaborating with many of programs the Compliance Officer has been able to share experiences and knowledge so the program can make the best choices for the District. Although still in development, the Compliance Officer was also able to identify how the district could better conduct the risk assessment.

As the District has changed its onboarding process, the Compliance Officer attends New Hire Orientation to meet with new staff, review the Code of Conduct and review ethical issues that staff may encounter. During this meeting staff, new staff are introduced to the Speak Up hotline. They are informed how they can make a complaint over the phone, by email, or in person.

Compliance distributes a monthly email with "Compliance Food for Thought." The compliance intranet page is current with this information as well.

The 2022 Compliance Week was a huge success this year with over 471 employees responding to email questions. During the 2021 Compliance Week, only ~100 employees participated. During Compliance week, break rooms were decorated with cartoons and flyers and ads were placed on the site televisions. A word search was distributed for employees to complete with gift cards and gift baskets handed out for prizes.

The Compliance Officer was given the designation of *Certified Compliance Professional* by the Health Ethics Trust and applied for and received a grant to attend the Seton Hall School of Law's U.S. Healthcare Compliance Program, a week-long course that covered many aspects of compliance.

i) Records Information Management

Responsibilities include facilitating and maintaining the correct records management policies and procedures and integration of the records management program into the Health District's operational systems. Created new training for new employees, program liaisons, and division directors. Working with programs to update retention schedules and will be seeking approval for the updated schedules in the new year.

j) Policy Committee

The Legal Department provides direction to the Policy Committee (with the General Counsel and Associate General Counsel as co-chairs). Prior to the Committee review, one or both in house counsel reviews each policy for content, accuracy, and compliance.

Policy Hub (SNHD's Electronic Document Management system) went live July 1, 2021, with two divisions beyond the District wide policies utilizing the software. To date, 30 District wide policies have been reviewed and 55 effective District wide policies have been published, read, and acknowledged by Workforce members at a rate of 92%. Additionally, attachments, forms, and templates referenced in policies are also maintained in Policy Hub.

To further utilize the software, it is anticipated move divisions will use Policy Hub to maintain division specific policies and track compliance. However, Human Resources, as part of the Public Health Infrastructure grant purchased the full suite in NEOGOV, which includes a policy database option. The Legal Department anticipates, once fully implemented, to migrate to NEOGOV.

## Community Health Division

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### Vital Records/Passport Services

#### KEY ACCOMPLISHMENTS

1. Registration, Issuance and Processing - January to November 2022.
  - a. Registered 22,673 births; issued 44,530 birth certificates, witnessed 367 Declaration or Paternities
  - b. Registered 20,533 deaths; issued 98,085 death certificates
  - c. Registered 175 fetal deaths
  - d. Processed 8,039 Passport applications

#### NON-COVID-19 ACCOMPLISHMENTS

1. Reinstated a Senior Vital Records position which had been held/vacant since 2016.
2. Two Vital Records (VR) staff member were accepted for promotions in other departments, which reflects positively for SNHD's career advancement and internal growth opportunities.
3. Vital Records department fully staffed.
4. Collaborated with the Nevada Office of Vital Records to improve and revamp SNHD forms.
5. Worked with Nevada Office of Vital Records on testing improvements and flow of Netsmart system.
6. Provided the community an additional option of a "Drop Box" to request birth/death records.
7. Managed and maintained messaging for Vital Records and Passport services.

#### COVID-19 ACCOMPLISHMENTS

1. Engaged with area physicians, medical examiners, and hospitals to correctly certify and report COVID-19 death.
2. Joined forces with OEDS to monitor, report, and register COVID-19 deaths.

#### HIGH LEVEL GOALS FOR 2023

1. In September 2022, SNHD VR staff will assist NV Vital Records with a significant amount of testing in Netsmart, which will be critical to the upgrades in Netsmart.
2. Working with IT to build QR codes for hospital birth applications and the reintroduction of limited kiosk services.
3. Phasing out the Laserfiche system that houses birth and death records from 1973-2006
  - a. NV Vital records preparing to grant access to SNHD users for computing records
  - b. SNHD to develop project goals, guidelines and expected complete date, with a target date of January 2023 (pending assistance from state)

### Health Cards, Business Group

#### KEY ACCOMPLISHMENTS

1. Maintained full Food Handler Safety Training Card testing services at all locations and Body Art Card testing at the main location, accepting clients by appointment for most services, while demand remained high due to the office's COVID-related closure March 2020–April 2021.
  - a. New food handler cards January–November: 18,553
  - b. Renewed food handler cards January–November: 41,698
  - c. New body art cards January–November: 1,279



2. Opened an office in the new Fremont Public Health Center in October 2022, therefore bringing Food Handler Safety Training Card testing services back to the east side of Las Vegas for the first time since the Nellis Boulevard location closed in November 2021.
3. Introduced an online renewal system for Food Handler Safety Training Cards that allows eligible cardholders to take the 10-question test at home and, after passing the test, print a certificate that is to be carried in place of the plastic Food Handler Safety Training Card.

#### NON-COVID-19 ACCOMPLISHMENTS

1. Approving training certificates from courses reviewed by our Environmental Health Regulatory Support Office in lieu of students taking our in-office food safety test.
2. Launched a Limited or “Low Risk” Health Card for clients who work in food-related businesses but do not prepare or serve food and beverages.
3. Continued participation in Environmental Health’s quarterly Food Safety Partnership meetings to relay information regarding Health Cards to industry professionals.
4. Conducted three days of onsite sessions in June 2022 at Wynn / Encore to assist the backlog of 900 employees whose Food Handler Safety Training Cards had expired during the pandemic.
5. Conducted nine days of onsite sessions in July 2022 at Aria to assist the backlog of 2,700 MGM Resorts employees whose Food Handler Safety Training Cards had expired during the pandemic.
6. Moved Food Handler Safety Training Card services at the Mesquite Public Health Center into a new three-office suite that will allow the Health District to expand services to Mesquite residents.

#### COVID-19 ACCOMPLISHMENTS

1. Consistent oversight of Screening and Triage at the Decatur office’s main entrance.
2. Repetitive participation in OPS briefings, Tactics, and Planning meetings.

#### HIGH LEVEL GOALS FOR 2023

1. Transitioning cashiering services at the Decatur location from a central cashier managed by the Business Group to cashiers who work within the individual programs themselves.
2. Increasing daily appointment availability, expanding staff, and accepting limited walk-ins to ensure all working food handlers in Clark County possess a non-expired card.
3. Building awareness of the online renewal system and the new food handler certificate not only among food handlers who may prefer to renew from home but also among industry leaders who will be accepting certificates from their employees in lieu of a card for years to come.

## Office of Emergency Medical Services & Trauma System

#### KEY ACCOMPLISHMENTS

1. Licenses Issued
  - a. Full Licenses 2407
  - b. Provisional Licenses 49
2. Licensure Exams Provided
  - a. EMT 807
  - b. AEMT 344
  - c. Paramedic 270
3. Certification Exams Provided
  - a. Onsite 178

- b. Offsite 187
- 4. Response Vehicle Inspections
  - a. Air Ambulance 9
  - b. Ground EMS Response Vehicle 450
- 5. Agency Audit
  - a. EMS 13
  - b. Training Center 4
- 6. Investigations
  - a. Complaints 3
  - b. Protocol Deviation 15
- 7. Meetings
  - a. Public 25
  - b. Closed 14

#### NON-COVID-19 ACCOMPLISHMENTS

1. Host the Regional Trauma Advisory Board (RTAB) Meeting which has 22 board members that oversee, disseminate information to and govern over 300 trauma services within the Southern Nevada Region
2. Partnering with the Medical Advisory Board (MAB) Meeting that has 25 board members that oversee, disseminate information to and govern over 13 different medical providers within the Southern Nevada Region
3. Held numerous public meetings to amend clinical care guidelines to provide the best prehospital care possible
4. Streamlined training to remove administrative barriers and empower training managers to concentrate on their mission
5. Responsible for maintaining maps for trauma services provided by zip code

#### COVID-19 ACCOMPLISHMENTS

1. Regional Trauma Coordinator was integral to external communication with stakeholders as a member of ICS

#### HIGH LEVEL GOALS FOR 2023

1. Collaborated with EPI on their FRCARA grant

## Office of Chronic Disease Prevention and Health Promotion

#### KEY ACCOMPLISHMENTS

1. Relunched the Slam Dunk Health Challenge with the Clark County School District and the Las Vegas Aces. The 2022 program was implemented in 1,077 elementary school classrooms representing over 18,800 students in 114 CCSD schools.
2. Expanded the bike share network by sponsoring a new bike share kiosk in the medical district that connects to the rest of the network in downtown. Continued promotion of a reduced-fare bike share pass for Supplemental Nutrition Assistance Program (SNAP) recipients. At the end of the reporting year, 235 reduced-fare passes had been purchased by SNAP-recipients.
3. Implemented 12 pop up produce markets that accepted SNAP benefits at the Bonneville Transit Center and at SNHD. The markets resulted in over 5,200 lbs. of produce sold and \$ 6,955 in sales.

Over \$700 in Double Up Food Buck (DUFB) coupons were distributed and over 20% of total sales were WIC, SNAP/EBT or Double Up Food Buck transactions.

4. Partnered with the YMCA of Southern Nevada to offer the Healthy Heart Ambassador Blood Pressure Self-Monitoring Program. The 16-week program was offered at three (3) YMCA locations and served 50 people.
5. Provided eight (8) Diabetes Self-Management, Education & Support (DSMES) Classes (English, Spanish and virtually) serving 51 people; 80% of which completed the course.
6. Responded to 500 referrals from SNHD clinics for hypertension, diabetes, and prediabetes and provided educational follow up to referred clients.
7. Expansion of CDPP outreach and communication activities to include participation in over 150 community events, multiple social marketing campaigns on a variety of topics airing on multiple media platforms in English and Spanish including social media outlets and websites.
8. OCDPHP has been designated as a Healthy People 2030 Champion by the US Department of Health and Human Services for our commitment to public health priorities that address the major risks to health and well-being.
9. Launched a multi-component initiative to promote the 5-2-1-0 guidelines to promote healthy habits in children. The multi-component initiative included paid and earned media opportunities as well as partnerships with 17 community partners to distribute and promote the 5-2-1-0 guidelines in the community.
10. Staff assisted UNLV with the passage of a tobacco-free campus policy effective Fall 2022. The policy eliminates the use of combustible tobacco products and electronic vapor products on the main campus and leased properties.
11. Approximately 808 smoke-free units have been added to the SNHD online smoke-free multi-unit housing directory during the reporting period. Technical assistance, signage, and cessation materials are provided to property management to support smoke-free policy adoption.
12. The LGBT National Cancer Network released its 2021 state report card on LGBT outreach and educational initiatives. Nevada was 1 of 5 states who met all seven (7) best practices guidelines for educational LGBT tobacco and cancer programs. SNHD's tobacco prevention program developed in 2005 titled CRUSH is the only LGBT-focused tobacco prevention program in the state of Nevada.
13. Staff worked with the Las Vegas Lights (Men's American Professional Soccer Team) to develop a smoke and tobacco-free stadium policy. In addition to establishing a smoke and tobacco-free policy the Las Vegas Lights will also forgo any cannabis sponsorships or collaborations throughout the season.
14. Staff worked with the Las Vegas Aviators, the city's professional Triple-A baseball team of the Pacific Coast League (PCL) and affiliate of the Oakland Athletics to declare the Las Vegas Ball Park a smoke-free facility. The new policy prohibits the use of all smoke and tobacco products, including cigarette, chewing tobacco, e-cigarettes and all vapes on Ballpark property.
15. Staff worked to increase call volume to the Nevada Tobacco Quitline (State's 1-800-QUIT-NOW telephonic tobacco cessation service provider) among African Americans and Hispanics through media and outreach events. To date, 261 callers from Clark County priority populations have contacted the Quitline for tobacco cessation. Additionally, over 13,000 electronic referrals to the Quitline have been received from UMC and SNHD since the inception of the project.
16. Staff and community partners trained over 563 healthcare providers on how to conduct Brief Tobacco Use Interventions (Ask, Advise, Assist) their patients for tobacco use.

17. Staff and partners hosted and participated in 375 community events focused on reaching priority populations with a tobacco prevention and cessation message reaching over 100,000 people. Events include Las Vegas Lights soccer games, Fiestas Patrias/Mexican Independence Day, Ohana Outings (Native Hawaiian Pacific Islander), Gay Pride, Jazz in the Park series, and the Juneteenth festival.
18. 84 worksites implemented new or expanded tobacco, including minimum distance, e-cigarette restrictions, and tobacco-free campus elements. Project staff provided technical assistance, including an explanation of Nevada tobacco law and suggested enforcement strategies.
19. Staff and community partners conducted 115 tobacco retailer assessments and provided technical assistance to tobacco retailers.
20. The Tobacco Control Program partnered with the Nevada Institute for Children's Research and Policy to complete the 2022 Nevada Adult Tobacco Survey. The purpose of the Nevada Adult Tobacco Survey is to assess current rates of the use of tobacco products as well as the knowledge, attitudes, beliefs, and perceptions of tobacco product use and cessation behaviors among Nevada residents.
21. The smoke-free multi-unit housing program was selected as a Promising Practice by the National Association of County and City Health Officials (NACCHO). The application will be featured in the Model Practices Database for other local health departments to review and replicate.

#### NON-COVID-19 ACCOMPLISHMENTS

##### *Physical Activity:*

1. Relunched the Slam Dunk Health Challenge with the Clark County School District and the Las Vegas Aces. The 2022 program was implemented in 1,077 elementary school classrooms representing over 18,800 students in 114 CCSD schools.
2. Sponsored the expansion of a new bike share kiosk in the medical district, expanding the bike share network and connecting the network to downtown.
3. Sponsored the development of a reduced-fare bike share pass for SNAP recipients in partnership with the Regional Transportation Commission of Southern Nevada. To date, over 235 reduced-fare passes have been purchased by SNAP recipients.
4. Launched the Move Your Way – Summer initiative to promote and provide physical activity opportunities to over 3,000 people from our priority populations. SNHD Move Your Way efforts were highlighted in a 'Health.gov' blog published in February 2022.
5. Expanded and sponsored physical activity programs for over 800 youth in priority zip codes and Title one (1) schools.
6. CDPP sponsors the CCSD Safe Routes to School (SRTS) Program. With our support this year, the SRTS program completed a 'Walk and Roll' program at five (5) schools (estimated 7,000 children). SRTS also recognized over 20 schools that had made advancements in the Achievement Level Program in the spring 2022.

##### *Nutrition:*

1. As part of Breastfeeding Month, supported the Nurturing Naturally Breastfeeding Resource Fair serving over 100 families and a Human Milk Donation Drive that collected over 700oz of milk. Launched a promotional campaign to promote breastfeeding in priority populations and connect to available resources. Provided scholarships to 7 people who work with priority populations to complete lactation certification courses.

2. Implemented the Supporting Wellness at Pantries (SWAP) program in six (6) faith-based food pantries serving our priority populations. On average these pantries serve over 7,000 people per month in need of food assistance. Evidence-based physical activity and nutrition programming is also being taught in three (3) of the places of faith.
3. Launched a Verano Sin Soda (Soda Free Summer) initiative in the Latinx community to encourage reduction or elimination of sugar-sweetened beverages during the summer months. In total, over 758,000 people were directly or indirectly reached through social media, community events, and Facebook live events.
4. CDPP is partnering with the City of Henderson and Green Valley Grocery to pilot a Healthy Corner Store initiative in 2 Green Valley Grocery locations. Marketing materials including signs, logos, shelf-tags, posters, and bus stop shelters were developed. Materials highlight healthier options and SNAP-eligible foods and provide nutrition education. Marketing materials were installed in both pilot locations in May.
5. CDPP staff worked with representatives from Searchlight and the Southern Nevada Food Council (SNFC) to conduct an assessment on food resources available in Searchlight. A mailer that included available food resources was mailed to over 588 residents in Searchlight in September. CDPP also worked with the SNFC to send a letter to encourage the Denny's in Searchlight to provide grocery services to Searchlight residents, allowing them to order essential items such as bread, meats, cheese, etc. and pick them up from Denny's.

*Heart Disease:*

1. Activities to commemorate Heart Month reached over 600 people at five (5) BP screening events; two (2) heart health presentations in Spanish, one (1) virtual, heart-healthy youth cooking class, one (1) Black History outreach event, and paid and earned media promoting heart health.
2. Expanded blood pressure screening activities fully resumed in ten (10) barbershops that are part of the Barbershop Health Outreach Project (BSHOP) and three (3) salons that are part of the Beauty Shop Health Outreach Project (BeSHOP). During the project year, we screened over 325 people (exceeding our goal of 175) and provided culturally appropriate education and referrals. We also facilitated a 'Shop Talk' discussion to help engage African American men in discussions about hypertension, heart disease and men's health.
3. Partnered with SNHD Health Equity Team to provide blood pressure screening, education, and referral at all Nevada Hand Senior Properties.
4. Taught three (3) blood pressure courses at the Martin Luther King Jr. Senior Center. Participants in the first class reduced their blood pressure by an average of 28 pts (systolic) and 12 pts (diastolic). Participants in the second course reduced their blood pressure by an average of 11 pts (systolic) and 3 pts (diastolic).

*Diabetes:*

1. Submitted Annual Status Report to American Diabetes Association. Data indicates that 70% of Diabetes Self-Management, Education & Support (DSMES) class participants were still meeting the physical activity goals at 6-month follow up and 96% of class participants were 'very satisfied' with the class.
2. Provided nine (9) DSME classes serving 39 people with diabetes, prediabetes, or diabetes caretakers (83% completion rate). Courses were taught in English and Spanish, in-person and virtually.

3. Conducted training on diabetes prevention, self-management, community resources and referral options to 80 healthcare providers/students. Each participant received a jump drive with healthcare provider toolkits for diabetes, prediabetes, and hypertension.
4. Diabetes Month activities included participation at two (2) community events, one (1) presentation at a local African American church, the launch of a Lending Library for CDEs and trained Maps facilitators and paid and earned social media.
5. CDPP staff partnered with the Heinrich YMCA to pilot the Healthy Kids Diabetes Conversation Maps program for kids attending spring break camp at the YMCA in April

*Obesity:*

1. Continued facilitation of the Partners for a Healthy Nevada obesity prevention coalition and participation in the state Early Childhood Education Obesity workgroup.
2. Launched a multi-component initiative to promote the 5-2-1-0 guidelines to promote healthy habits in children. The multi-component initiative included paid and earned media opportunities as well as partnerships with 17 community partners to distribute and promote the 5-2-1-0 guidelines in the community.
3. Serving as a member of the state's 5-2-1-0 Core Team and a member of the Nevada Obesity Collaborative.

*Tobacco:*

1. Worked with the Las Vegas Lights and the Las Vegas Aviators to develop smoke and tobacco-free stadium policies.
2. Supported development and implementation of a tobacco and smoke-free policy at UNLV.
3. Maintained and expanded multiple population-specific initiatives to promote cessation and smoke and vape-free lifestyles among priority populations including Because We Matter, Por Me, Por Ti, Por Nosotros - Viva Saludable, and Breakdown.
4. As part of the Island eNVy initiative, hosted a 3-day educational summit for local Native Hawaiian and Pacific Islander youth to connect Hawaiian culture and health while promoting smoke and vape-free living. 127 students between the ages of 12-18 attended the summit.
5. Expanded the number of properties on the Smoke-Free Housing Directory.
6. Developed a vaping prevention toolkit for educators and administrators was developed and mailed to every Clark County middle and high school.
7. The SNHD African American focused program titled Because We Matter (BWM) launched a campaign to encourage tobacco cessation at Black-owned businesses popular in the African American community. Participating businesses agreed to implement minimum distance policies and display cessation information.
8. Staff implemented the No Menthol May campaign in African American places of faith. No Menthol May is a nationwide initiative to promote cessation and independence from menthol flavored products in the African American community.
9. Staff developed a website and launched a media campaign focused on youth cannabis prevention.
10. The smoke-free multi-unit housing program was selected as a Promising Practice by the National Association of County and City Health Officials (NACCHO). The application will be featured in the Model Practices Database for other local health departments to review and replicate.
11. Multiple comprehensive media campaigns focused on tobacco topics such as smoke-free worksite expansion, multi-unit housing, cessation, and youth prevention were developed.

### COVID-19 ACCOMPLISHMENTS

1. Received additional funding from the CDC to train influential messengers in the community to dispel myths, promote vaccine uptake, and increase accessibility to vaccines among our priority populations (African Americans and Hispanics).
2. Conducted COVID-19 and Flu Vaccination Survey Reports/Needs Assessment with African Americans and Hispanics (REACH priority populations). Needs assessment findings will be used to target intervention and social marketing efforts.
3. 230 influential messengers have been trained by SNHD staff and contractors.
4. Staff and contractors participated in multiple community events to distribute information and promote vaccination to over 61,386 people.
5. Sponsored 159 pop up vaccine clinics in priority zip codes vaccinating 4,421 people for COVID-19 and 1,099 people for flu. Over 95% of people vaccinated at these events were from one of our priority populations.
6. A targeted media campaign to promote vaccination among priority populations has resulted in over 3 million media impressions among our priority populations.
7. Partnered with Minority Health Consultants and the Nevada Faith and Health Coalition to develop a pilot project that trains Community Health Workers (CHW) to support ongoing health needs including COVID-19 and Flu vaccination within places of faith that serve African Americans. ODCPHP will work with trained CHWs to assess the health needs of the place of faith, develop a plan to implement programs and activities to address priority health needs, provide ongoing technical assistance, and connect places of faith with other community resources.

### HIGH LEVEL GOALS FOR 2023

1. Explore new Scopes of Work and budgets for new or renewal subgrants: PHHS (Diabetes), 1815 (Diabetes/Heart Disease), 1817 (Heart Disease), SNAPED (Physical Activity/Nutrition), REACH (Tobacco, Nutrition, Physical Activity), REACH supplement (COVID/Flu), Nevada Clinical Services (Tobacco), CDC Core (Tobacco), Youth Vaping Prevention (Tobacco), and Cannabis prevention.
2. Develop and/or implement comprehensive media and social marketing campaigns, community outreach, social media, websites, and blogs.
3. Respond to referrals from SNHD clinics for hypertension, diabetes, and prediabetes and provided educational follow up to referred clients.
4. Maintain SNHD representation in several local, state, and national committees and coalitions. We cooperate in several SNHD internal committees. A complete listing is available upon request.
5. Actively share responsibilities in the SNHD Community Health Assessment and Community Health Improvement Plan process. Staff provided a presentation on the burden of Chronic Disease during the Community Health Assessment prioritization meeting in October 2021. Chronic Disease was selected as one of the Community Health Improvement Plan (CHIP) focus areas. CDPHP staff are part of the CHIP team.

## Office of Public Health Preparedness

### KEY ACCOMPLISHMENTS

1. Incident Command System (ICS) COVID19 Response Activities
  - a. For COVID19 Pandemic, OPHP agency has activated ICS and emergency response operations until demobilized with end of local and state disaster declarations. We reactivated ICS to support

response to Monkeypox (MPX) and have been coordinating with community partners to manage surge of pediatric RSV. These services continue to be provided through programs that have special federal funds to continue response activities.

- b. Supports the coordination of community-based planning and response activities for targeted outreach and vulnerable population events. OPHP grants assistance and integration with Community response partners to address new challenges to slow the spread of COVID, Monkeypox (MPX), RSV and maintaining alliance with both partner agencies and community in information sharing and resource coordination.
- c. Contribute training to public health workforce to respond to public health emergency.
- d. Extended Partnership Building with UNLV to provide opportunities for Public Health Interns to support COVID After Action focus groups and information gathering to support improvement plan development.

## 2. Grant Support Activities

- a. Dedicated support to the community to recoup funding through federal FEMA Public Assistance grants and continued use of Non-Congregate Shelters to support patient surge partnering with FQHC and vaccination efforts for the public.
- b. Employed existing COVID19 grants and other federal cooperative agreements through developed scopes of works and budgets to minimize the impact to agency general fund expenditures. Funding supports sustainment of responder safety and health capabilities for respirator fit testing and annual CPR recertification.
- c. Made provision to agency and expanded personnel to ensure that PPE and COVID testing supplies is available. Ensured those providing services that require higher level of PPE protection are medically cleared, trained, and fit tested to wear N-95 respirator PPE. Distributed ASPR and state stockpile masks to employees and public that did not require fit testing. Supported FQHC and ASPR initiative to get KN95 masks distributed to public and COVID rapid testing kits to agencies serving vulnerable populations.
- d. Redirected carryover and grant funding to support agency operational needs including off-site warehouse space, clearing space for SNHD to expand laboratory capacity and clinical space.
- e. Managed SNHD inventory from 280 S. Decatur, prepositioning of purchased supplies and equipment in trailers and off-site warehouse. Enabling space for lab expansion.
- f. Expended agency 6-week supply of N-95 Mask Inventory to ensure agency 24/7/365 response readiness including ensuring staff working in Isolation and Recovery Site and METS clinic have necessary respiratory protection. Commodified grants to resupply stockpiles of PPE expended during response.
- g. Conducted multiple training opportunities for Health District Staff in POD operations completing multiple drills and exercises to sustain workforce for ongoing COVID vaccination and testing operations.
- h. Purchased and redistributed donated PPE equipment for Community Partners as required by federal grants and community need.
- i. Capitalized on grant funds to secure build out, upgrade of outdated, and repair existing communication equipment, servicing mobile resources used heavily during COVID response.
- j. Doubled the number of registered MRC volunteers and actively deploying volunteers at direction of CHO to provide support to COVID operations and agency needs.



- k. Concluded activities working with State and Federal Partners to ensure level or increased funding for Public Health, educating legislators and federal oversight governing bodies.
- l. Furnished a staff member to assist agency with Employee Health Nurse duties. This Nurse updated plans to ensure respiratory fit testing program and PPE available including PAPRs are operational.
- m. Engaged with other CH and SNHD programs to fund staff on grants for grant supported activities, saving district general fund dollars.
- n. Aided Southern Nevada Healthcare Preparedness Coalition with staff and resources from HPP funding sources. This contribution benefits the entire southern Nevada Healthcare system including multiple activations of the Medical Surge Area Command and Medical Surge Support Team to address COVID surge in hospitals and ICUs. Coordinated weekly COVID calls with Hospital CEOs and County response partner leaders during peak surge.
- o. Planners persist in support to technical assistance to community partners and through liaison activities with Southern Nevada Counter-Terrorism Center
- p. Secured and fulfilled multiple trainings for SNHD staff and community partners including advanced Incident Command System and Hospital Decontamination team training.
- q. Information dissemination and coordination during COVID19 response and medical surge coordination.
- r. Increased, pro-active information sharing with local, state, tribal, and federal partners even though state and local disaster declarations ended.
- s. Discharged COVID After Action Report Activities including conducting CASPER to assess public opinion and access issues to COVID services.

#### NON-COVID-19 ACCOMPLISHMENTS

- 1. Morale building in Division/Offices
  - a. Purchased equipment for grant funded staff for end-of-life computer equipment and headsets for virtual meetings, continuity of operations and improved internal communication within SNHD and with community partners in meeting grant deliverables.
  - b. Leveraged grants to resupply POD supplies used during COVID to ensure readiness to respond to future emergencies.
  - c. Many activities have resumed since the implementation of agency remote work and social distancing practice during high positivity in community. Continue to monitor staff for fatigue from COVID response and ensure staff retreat on vacation for rest.
  - d. Open door policy in perpetual effect and flexibility to allow staff to participate in activities related to job duties but that also build individual professional development skills. For many of our staff, professional growth has occurred since the start of COVID as staff take on leadership roles, supporting educational professional development, and attendance through professional conferences.
  - e. Engage all staff with getting back to working on grant deliverables and non-COVID events to ensure team building and foster collective community engagement.
  - f. Hired staff into vacancies created through internal promotion of staff.
  - g. Constant service to multiple federal, state, and local working groups.
  - h. Sustained coordination activities related to active investigations of rare or unusual health incidence.
- 2. Secured New Funding Opportunities

- a. Assembled unfunded, Public Health Crisis Response Grant that may be awarded in the time of future public health emergencies.
  - b. Constructed multiple contracts for support services such as Rocky Mountain Poison Control Helpline that was expanded 7 days a week to manage surge of calls from public.
  - c. Produced the application for Public Health Crisis Response Cooperative Agreement to be activated used in future threat specific declared emergencies. This unfunded project was awarded to organization for next declared emergency use.
  - d. Support other programs managing COVID grants and funding sources ensuring deliverables are being met through ICS and COVID response operations and work performed by staff and contractors.
  - e. Executed UASI and SNCTC Funding renewal for Public Health Analyst position
  - f. Rendered renewal applications and budgets for federal cooperative agreements that started on July 1, 2022.
3. Partnership Building
- a. Streamlined coordination between OPHP and all programs supporting response to COVID19.
  - b. Allied with community partners in supporting activities: Vegas Strong Resiliency Center, Information Sharing with other preparedness and healthcare system partners.
  - c. Interacted with SNCTC and situational awareness to emerging public health threats and ongoing response activities.
  - d. Strengthened affiliation and information sharing through quarterly state and local preparedness planning, CH meetings, work committee activities using new technologies that promote social distancing but helping to keep staff connected and informed. Daily communication across divisions for COVID19 response activities and public.
  - e. Incorporated UNLV Student Interns to support COVID AAR development and Improvement planning

#### MONKEYPOX EFFORTS

1. Continue to assist federal, state, and local coordination activities including internal to agency supporting SNHD Divisions and programs in planning related to management of Monkeypox cases in Southern Nevada, testing through Southern Nevada Public Health Laboratory, coordination, and access planning for medical countermeasures from medical counter-measure stockpiles, incremental vaccine shipments to Nevada
2. Assisted agency in coordinating internal, volunteer staffing to support Call Surge for Monkeypox and provide public with FAQ information.
3. Continue to provide situational awareness information to community and partner agencies regarding Monkeypox emerging threat, access to treatment for cases, and post exposure prophylaxis for close contacts and vulnerable and at-risk populations.

#### HIGH LEVEL GOALS FOR 2023

1. Activities to support newly Public Health Accreditation Board Certification
2. Drills and Exercises with community partners, agreements, and testing emergency operation plan components such as emergency fiscal procedures
3. Ensure readiness of medical countermeasure stockpiles replacing expired medications in coordination with SNHD Pharmacy

4. Combined efforts for use of the EM Track for patient tracking in community and beta tested at multiple, large venue events.
5. Support County Hospital Area Command roll out, Completed 17 functional exercises with hospital and Fire Department support during MCI Exercises.

## Health Equity

### KEY ACCOMPLISHMENTS

The Health Equity (HE) team completed the development of all program components to include the execution of all program partners' contracts, the development and rollout of the HE training series and the program's internet webpage, making it completely functional to build, leverage and expand the infrastructure support for COVID-19 and control among populations that are at higher risk and underserved.

### NON-COVID-19 ACCOMPLISHMENTS

1. Recruited and hired three Health Educators to complete the Health Equity Program.
2. Established relationship with NV Hands that allowed for participation in outreach events such as their senior wellness events that take place in all their communities. The HE Program also provided blood pressure screenings to 189 seniors during these events.
3. Provided technical assistance to the Ryan White Program in the implementation of their Escalate, HIV Stigma reduction project.
4. Developed and implemented health equity training series consisting of six (6) workshops covering topics such as introduction to social determinates of health, introduction to equity lens, etc.
5. Partnered with the SNHD's federally qualified community clinic and the City of Las Vegas Heal Project to improve clients' health literacy and national standards for Culturally and Linguistically Appropriate Services (CLAS) in health and health care.

### COVID-19 ACCOMPLISHMENTS

1. Program partners conducted 35 COVID-19 testing and vaccination pop-up clinic events.
2. Program Partners participated in a total of 180 education and outreach events.
3. Program partners conducted three (3) En Tus Manos coalition meetings and over 70 community meetings.
4. Program partners distributed over 1000 COVID-19 home test kits.
5. 40 community public service announcements were published, and weekly social media campaigns focused on the Latino and African American communities were implemented and information on COVID -19 testing, vaccination, vaccine hesitance, and service sites. Information was published and marketed through social media, print media and radio.

### MONKEYPOX EFFORTS

1. Three (3) Health Educators from the HE team will provide assistance answering calls from the public in regard to emerging monkeypox health crisis

### HIGH LEVEL GOALS FOR 2023

1. Provide technical assistance to SNHD programs, community outreach, provide training to SNHD staff, develop a HE training series for lay persons that are part of the community, and implement a Health Equity Assessment. Continue to implement health equity strategies to strengthen the

organizations' capacity to provide the community compassionate, equitable and culturally responsive services.

2. Sustain support for grant partners in reducing COVID-19 health disparities among high-risk and marginalized communities.
3. Partner in assistance with the Ryan White program with technical assistance in implementing their HIV Stigma reduction project.
4. Host activities to support SNHD's community clinic goal of improving their national standards for Culturally and Linguistically Appropriate Services (CLAS).

## Southern Nevada Public Health Laboratory

### KEY ACCOMPLISHMENTS

1. Laboratory performed a total number of 132,418 COVID-19 tests and detected 24,355 positive samples from January 1, 2021, to December 6, 2022. The major group submitters of the COVID-19 samples are long-term care facilities, SNHD outreach, Decatur Clinic, CCSD, and CCDC.
2. Develop a new accessioning team that consists of four (4) laboratory assistants to handle sample processing, specimen pick up, data entry and sample delivery to the laboratory. This team replaces the function of the National Guards which left from laboratory in March 2022.
3. We received the new laboratory certificate issued by the state CLIA inspection for the Decatur laboratory. The expiration date for this certificate is July 29, 2023.
4. Laboratory and the Biowatch laboratory at UNLV held an exercise on April 11, 2022. The laboratory received filter samples sent by the Biowatch laboratory. Our BSL-3 laboratory performed the LRN-B testing and send out the report to the Biowatch lab through email on Monday, April 11, 2022. We also held a Biowatch hotwash on Thursday, May 12, 2022.
5. Improved the accuracy of demographic data by outreaching LTCF- SNPHL provided onsite training on how to use the newly developed SNHD electronic COVID testing ordering application to long-term care facilities. A training video was created and made available online for easier access to various facilities and organizations that submit specimens to SNPHL for COVID testing.
6. Received 100% on the LRN-B challenge test and LPX proficiency for select agent testing.
7. FSAP inspection: Successfully coordinated and completed SNPHL hybrid FSAP inspection for 2022. FSAP inspection team only found two (2) minor issues that can be easily addressed following the inspection report.
8. Purchased Tecan liquid handler to increase the WGS test capacity of COVID-19 whole genome sequencing. We will increase the weekly WGS capacity to 384 samples per week in the near future.
9. The COVID-19 samples from CCDC have been sent their COVID-19 samples back to our laboratory in late June 2022.
10. Embracing innovation by using MALDI-TOF technology to increase the speed of screening bacteria and reduce the turnaround-time for bacteria identification process.
11. Joined CDC eGISP part B program– culture-independent testing of AMR genes from remnant NAATs with associated positive *N. gonorrhoeae* culture
12. New assays were added to the clinical laboratory testing menu including SC2/Flu Multiplex assay, *T. vaginalis*, *M. genitalium* and SARS-CoV-2 Trimerics IgG Ab. Installed Treponema Total Assay and HIV Ag/Ab HT on the Diasorin Liaison XL as a backup resource when primary instrument is offline.
13. Received a total \$3,520,054.50 from several ELC grants to support whole genome Sequencing laboratory including purchase high throughput sequencing instruments, liquid handler station, and reagents etc.

14. Completed ELC BP-4 and PHEP grants grant applications in March 2022. We involved a total seven (7) projects.
15. Submitted ELC-BP-4 grant proposal including work plans and budget narrative on schedule in March 2022. Received a total award of \$2263,545.00 from CDC.
16. Laboratory performed a total number of 2130 SARS-CoV-2 whole genome sequencing and uploaded the sequencing data to the Terra state database. We recruited a Bioinformatic Scientist to perform the data analysis and report the lineage information weekly.
17. Reclassified the Safety Officer position and recruited a Safety Officer
18. Purchased Panther fusion instrument for the Clinic Laboratory to enhance COVID-19 and other virology testing.
19. Help Decatur Health Clinic lab to set up the Visby Medical Sexual Health Testing for GC, CT, and Trich. We also validated and implemented the Trich testing by panther instrument in the Clinical Health laboratory.
20. Identified the Monkeypox patient in Clark County and confirmed by CDC.
21. Recruited QA analyst, Renee Fejeran, to perform the laboratory quality management program. Renovated Clinical Health Laboratory on the first floor of existing building. The tentative plan for open the laboratory for the service is on the middle of January 2023.
22. Prepared and supported new Fremont laboratory at the Fremont Health Clinic in the testing and QC documents setup and obtained state clinical license.
23. Received CDC PHI grand award to support BT Coordinator/Supervisor position to enhance our emergency response team in the laboratory.
24. 100% on Laboratory Response Network proficiency test – graded in order to obtain PHEP funds.
25. Successfully passed LRN Challenge Panel BP4 with a 100% score.
26. Hired for 3 new COVID testing positions and backfilled all Microbiology openings.
27. Delivery of Tecan DREAMprep automated Library Prep instrument. Staff currently undergoing training to use this critical high-throughput device.
28. Supervisors undergoing continuous leadership training and mentoring with HR department.
29. Resumption of monthly SNPHL All Staff department meetings.
30. Establishment of SNPHL Core values (Effective Communication, Promoting Teamwork, Building Trust, Pursuing Excellence).
31. Monkeypox testing- provided testing throughout the MPX outbreak with accurate results and a rapid turnaround time.
32. First Legionella ELITE certification passed with 100%.
33. Collaborative project with UCSD and SHC to provides whole genome sequencing (WGS) data of the Neisseria Gonorrhoea positive specimens for this surveillance project at Clark County.

#### NON-COVID-19 ACCOMPLISHMENTS

1. Warehouse/Cage space- organization and removal of old outdated supplies, equipment, and general storage from other SNHD departments has allowed the warehouse space to not only serve as a logistics supply area to support testing capacity, but also makes the space ready for future planned construction and build-out projects.
2. BSL3- TRF equipment upgraded to the most recent available versions for LRN testing. Outdated Compact extractor replaced with Magnapure 24. Equipment which was long out of use was cleared from the BSL3 to make room for existing testing.

3. MALDI-TOF- the addition of a Bruker MALDI-TOF instrument in Microbiology allows department to easily screen and identify organisms, reducing tech time and eliminating the need to keep a variety of costly reagents on hand for organism ID. The instrument is also a helpful tool in ruling in or ruling out where organism identification is uncertain with other methods.
4. Respiratory panel- Molecular department switched to screening surveillance samples with Biofire Respiratory panel 2.1. This quickly identifies SARS-COV-2 and other respiratory viruses, replacing the previous cumbersome and intensive manual Respiratory PCR panel.
5. Validation of new extraction and PCR instruments for COVID-19 testing and installed two liquid handlers to assist in reducing manual processing of samples. Staff trained on instruments and utilized in COVID-19 extraction/PCR process.
6. Supported Public Health outbreaks investigations including COVID-19 variant of concern, Botulism cases, and Norovirus and participated in public Health Investigation including Bacillus, Brucella, Burkholderia rule-outs, Legionella, AFM, Candida auris.
7. Smartvue network expansion- The addition of temperature-controlled equipment, particularly on the first floor of SNPHL, meant the need for the expansion of the automated monitoring and alarm system. The Smartvue sensor and receiver count more than doubled, and the network continues to provide valuable information about the status of all monitored equipment within SNPHL.
8. The Laboratory has approved by CDC GISP/eGISP program to participate the molecular surveillance program for 2021-2022.
9. New extraction instrument installed, and staff trained to run Bioterrorism samples on it.
10. The following assays were validated for WGS based identification for the following organisms: Shiga-toxin producing E. coli serotypes and Shigella species.
11. A total number of the reportable diseases' tests from January 1, 2022, to November 30, 2022, listed as follows:

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Total
Campylobacter	Campy ID	5	1	1	5	1	6	4	4	6	4	2	39
	Campy Screen	6	2	3	10	3	9	5	9	10	7	5	69
Neisseria species	Gonorrhoeae Culture	86	61	108	87	61	76	49	47	47	61	46	729
	Gram Stain/WBC	16	0	0	0	0	0	0	3	0	0	0	19
	Neisseria ID	4	0	0	0	0	0	0	1	0	0	1	6
	Haemophilus ID	4	0	3	1	2	4	1	8	1	2	0	26
Unknown ID	Bacterial ID	3	0	0	0	0	0	0	0	10	10	0	23
	WGS (PulseNet)	14	16	14	18	21	28	24	21	27	28	21	232
Salmonella	Salmonella Screen	10	10	11	14	19	10	20	12	24	21	13	164
	Salmonella Serotype	8	10	11	12	18	10	14	10	21	16	13	143
Shigella	Shigella Screen	6	1	2	5	2	7	4	5	4	6	5	47
	Shigella Serotype	5	1	1	1	0	6	3	10	0	3	2	32
STEC	STEC Screen	7	10	6	10	7	4	4	2	3	6	4	63
	STEC Serotype	2	10	1	0	2	2	3	2	0	2	3	27
Unknown	Stool Culture	0	1	19	2	2	0	0	0	0	0	1	25
Vibrio	Vibrio ID	0	0	0	0	0	0	1	0	0	2	0	3
	Vibrio Screen	0	0	0	0	0	0	1	3	1	2	0	7

Yersinia	Yersinia Culture/ID	0	0	1	0	0	0	0	0	0	0	0	1
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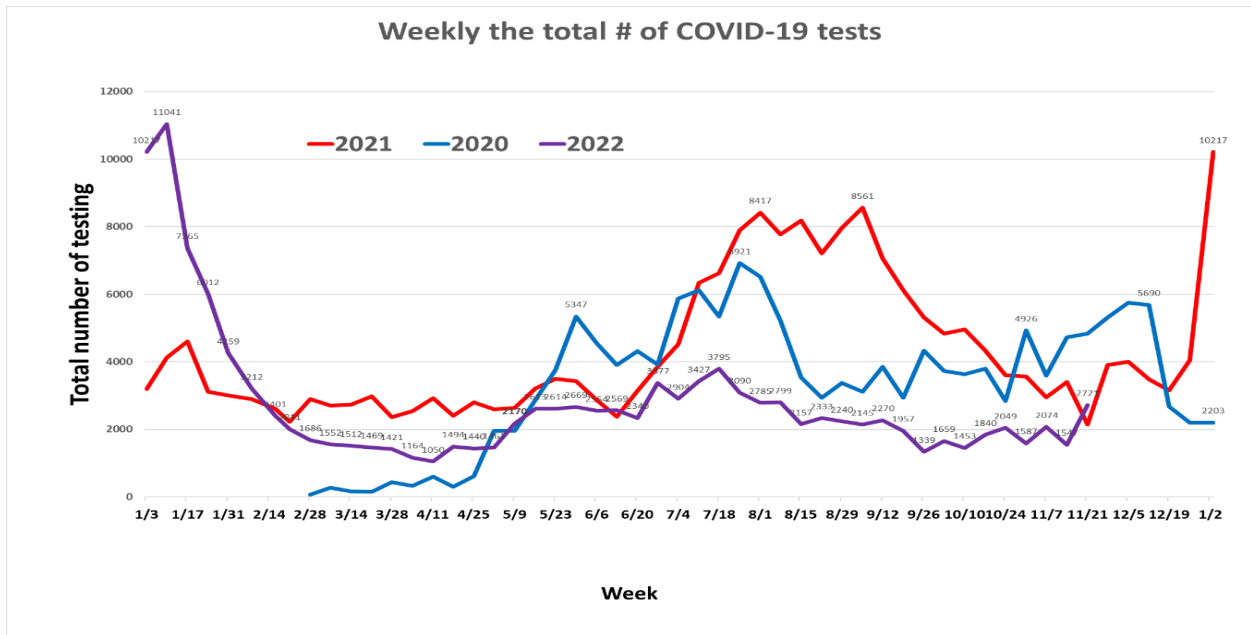
12. Installed and Validated the Diasorin Liaison XL Analyzer. The list of testing included are QuantiFERON TB Gold Plus, HCV Ab, HBsAg, HBsAb, HAV Ab, HAV IgM, HbC IgM and SARS-CoV-2 Trimerics IgG etc. This analyzer updates 2 of our outdated instruments for these assays.
13. In the Clinical laboratory, we validated Hepatitis assay from the Ortho Vitros ECiQ to the Liaison XL and validated QuantiFeron TB assay onto the Liaison XL. Clinic laboratory also acquired more clients for STD testing.
14. A total number of clinic samples tested from January 1, 2022, to November 30, 2022, listed as following table:

Test Name	Total # of test from Jan 1, 2022, to Nov 30, 2022
GC Cultures	729
NAAT NG/CT	12371
Syphilis	9512
RPR/RPR Titers	2150/954
Hepatitis Total	8579
HIV/differentiated	5535/162
HIV RNA	586

15. Vector program successfully tested 866 pools of mosquitos trapped by EH from 4/1/22-6/30/22. No arbovirus positive pools have been identified by SNPHL in 2022.
16. Set up a Level 3 BEI resources account so that control material could be ordered from them rather than CDC (CDC discontinued the control material used for SA testing).
17. Appointed as the ELC Program Coordinator for the PHL to assist the ELC Program Manager with communications and workflow.
18. Began workflow of Candida auris DNA extraction, library preparation, and Whole Genome
19. Pilot Study, New DNA Extraction Protocol, Library Preparation and Whole Genome Sequencing
20. Send sequencing data to CDC for analysis Pilot study was successful.
21. Candida auris MALDI-ToF validation completed and signed off.
22. Successfully sequenced Legionella isolates in pilot study and established pipeline to CDC. Receive CDC Legionella ELITE certificate to test Legionella environmental samples from CDC.

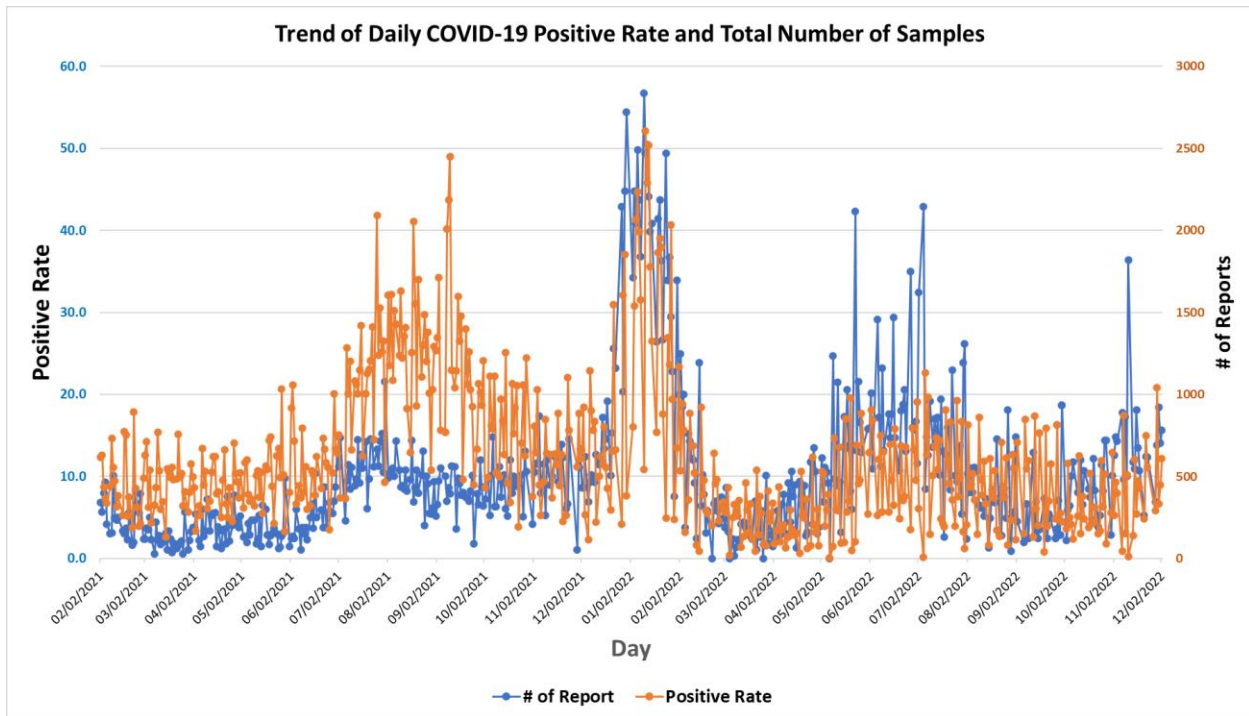
**COVID-19 ACCOMPLISHMENTS**

1. New and expanded instrumentation- Utilizing the Eppendorf 5073 and 5075, COVID-19 testing staff have increased the efficiency and accuracy of COVID-19 testing, while decreasing the TAT and improving throughput. The use of the Quantstudio 7 for 384 tests/run drastically saves reagent cost and waste, while sparing the older 7500 Fast DX instruments from higher daily run burdens. The addition of 2 Kingfisher Flex extraction instruments improves sample extraction TAT and supports the use of the Eppendorf 5073 and Quantstudio 7.
2. Testing numbers- SNPHL shattered the previous one-day testing record, and currently maintains an average baseline testing number that is significantly higher than in 2020 (approximately doubled from 4000 to 8000/week).

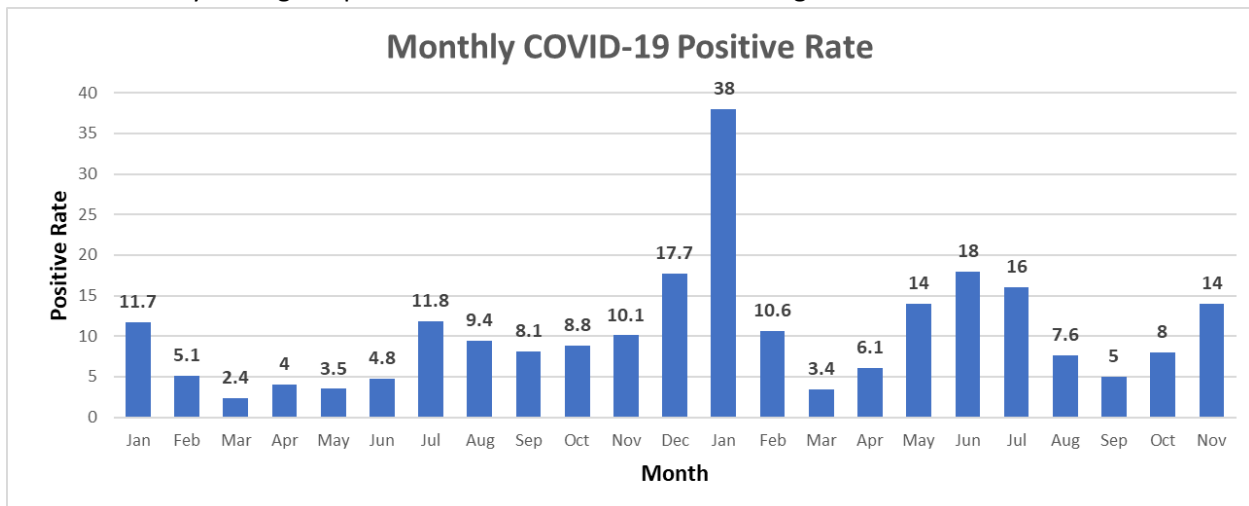


3. Redirect ELC grant to purchase two 7500DX Fast Real-Time PCR instruments, EPMotion liquid handler station, NextSeq whole Genome Sequencer, and Mini-Q water purification system to increase our COVID-19 test capacity.
4. A new MiSEQ and a new NextSeq 2000 instrument were obtained for WGS.
5. WGS, in conjunction with bioinformaticist, NSPHL, and Theigen, established Terra.bio. This is a workflow for identifying COVID variants.
6. Upgraded the panther instrument for COVID-19 testing by adding the Plus Unit which can allow us to continuously load COVID-19 samples without interrupting instrument operation when the biowaste tank is full and can increase the total capacity of COVID-19 testing volume.
7. National Guard supported our laboratory for data entry and upload of the demographic information for COVID-19 testing until March 2022.
8. Collaborated with IT department to develop the Outsourcing App which allows manifest creation to send overflow specimens to other laboratories to conduct testing and automatically send test results to the District portal for patient notification and access.
9. In the clinical laboratory, we validated new Analyzer for SARS-CoV-2 Antibody testing and installed upgrade to increase sample capacity on our Hologic Panther.
10. Successfully maintained COVID collection kit inventory for all clients all year and maintained excellent partnership with DEM/FEMA for COVID support.
11. The daily COVID-19 positivity rate verse COVID-19 test sample in SNPHL:





12. The monthly average of positive rate from the COVID-19 testing in SNPHL.



13. Completed the APHL QI grant on June 10th – SNPHL applied for this grant and was awarded \$10k as part of QI improvement that focuses on improving the Release Sample Order (RSO) from COVID-19 apps and to create a training video on how to use the apps and for trainers to go and train the nursing facilities. This grant was divided between IT (Hetal’s group) to improve the RSO apps and SNPHL.
14. Maintained Preventative Maintenance (PM) every 6 months and annual on designated instrument for Molecular and COVID-19 – All PCR and extraction instruments must have PM and OQPQ to be done on the instruments. (PCR- twice a year, extraction is once a year).
15. Performed Verification on all instruments after PM and OQPQ – 10 specimens of previously ran samples were used to verified that the instruments are working well after the PM and OQPQ services. The results were compared to the original run to ensure the serviced instrument is working well.

16. Create schedule for COVID-19 lab- The time schedule and duty schedules for COVID-19 staffs were created for 6 weeks and released at least one (1) week before the current schedule ends. This is to ensure staffs know what tasks they are assigned for the day and to ensure all staffs performed equal duty
17. To ensure we have enough supply for COVID-19 testing, we created a standing order to ensure constant delivery of supplies every 2-3 months to cover the tests for 2-3 months.
18. COVID-19 Supervisor checked the staff competencies record monthly to ensure that the staff competencies are up to date. If there is a competencies update coming up soon, supervisor will prepare specimens for staffs to be performed to ensure the staffs can keep up with the technical skills for testing.
19. Set up training with Thiegan for COVID-19 LTs and SLTs for sequencing training- This is still an on-going training requested by Lab Director to have the LTs and SLTs to learn how to do data analysis after specimens are sequenced. This is a training supported by the CDC.
20. Continue participation Influenza Surveillance 2022- with Valley Core lab – SNPHL is part of the Influenza surveillance team with CDC where, we will collect flu specimens from hospital and performed influenza-SC2 multiplex panel to ensure there is no co-infection before performing subtyping and genotyping of the influenza specimens and upon confirmation, the VTM is shipped to CDC surveillance team.
21. Created Central Accessioning Area in the Laboratory – The goal is to have a Central accessioning area that allows the workflow in the lab to be centralized and to allow LAs rooms to learn new stuffs and exposed to different accessioning of specimens from different department.

#### HIGH LEVEL GOALS FOR 2023

1. The laboratory expansion plan received a total \$5.05 million funding supporting from the Clark County and the City of Las Vegas. The new laboratory will include BSL-3 and molecular and microbiology laboratories to support bioterrorism counter response and disease surveillance testing.
2. Increasing COVID-19 Sequencing capacity- Additional instrumentation, techniques, and staff to increase weekly capacity of SNPHL COVID-19 WGS testing program. Our goal for the COVID Sequencing Capacity increases from 192 to 384 samples per week
3. Other Public health testing projects- many other services have been proposed, including Legionella testing, enhanced STI testing, Norovirus sequencing, BT rapid testing with the Biofire Warrior panel, CRO testing, Metagenomic WGS, Lead testing, and General Laboratory testing for SNHD clinics.
4. Change the office layout by increasing the number of offices on the first floor from two to four. The Molecular supervisor, Clinic supervisor, LIMS, and Lab Administrative Coordinator will each have their own office. The completed date for renovation has been postponed to August 2022.
5. Warehouse storage transfer in preparation for the construction of the new Clinical Laboratory. Relocate the WGS lab instruments and other equipment from 2<sup>nd</sup> floor to the first floor into the space of the current Clinical Laboratory.
6. Initiate the use of Inventree software for inventory and supplies to improve the efficiency of stock storage and trace the real-time information of the laboratory supplies.
7. The validation of other non-COVID viruses through Next Generation sequencing.
8. Adding the ability to identify and sequence *Candida auris*.
9. Preparing for the upcoming laboratory expansion.
10. Institute year-round training schedule for the Laboratory Response Network (LRN).

11. Develop a business plan for no insurance patients from SNHD clinic and forward the samples to our laboratory rather than sent to the reference laboratory. We will bring on new clinical laboratory testing (Chemistry, Hematology, Urinalysis) to have a better serve SNHD.
12. Expand the Microbiology department to include environmental testing.
13. Move Microbiology Department to new clinical microbiology laboratory at the first floor after completed the renovation of clinical health laboratory.
14. Validate antimicrobial resistance gene detection of bacterial isolates
15. Validate new PulseNet system in Terra, since the currently used bioinformatics platform will no longer be supported in 2025 including identification, typing, and virulence gene detection in PulseNet organisms.
16. Legionella Water testing: Project timeline and budget prepared. Major equipment purchased and initial consumables received. Meetings with Rob Cole in EH regarding transition to SNPHL testing water samples currently tested by local contract laboratory. ELITE Certification panel ordered through WSLH (to arrive in August).
17. Provide laboratory training of the policies and procedures for PHL staff.
18. Implement ipassport document control software system and provide the training plan for individual module. Supervisors will be trained in August 2022.
19. Review the survey of skill matrix with all supervisors and developing a training plan to ensure competency and have sufficient competent staff for each testing method. Skill Matrixes per department will include NV State, CLIA, and SNHD Standards
20. Review and update current Monthly QA report to improve the process of collecting the information.
21. Ongoing QI RSO improvement project to see if one of the more problematic facilities will improve RSO ordering if website is tweaked and if additional training materials will help.
22. Validation Plan Meetings on going for susceptibility testing of *C. auris* and *Bacillus*, Legionella water testing, microbiology media changes, and *C. auris* identification.
23. Implement the new proposed organization structure in the early of January 2023. This proposed organization structure includes to create a new emergency response section and rename the COVID section as virology section.
24. Prepare the budget plan for the implementation of ISO certify clinical health laboratory and prepare the ISO 15189 training proposal.
25. Prepare to move Immunology instrument to the new laboratory and prepare to re-open the service on the middle of January 2023.
26. Monitor the progressive of the new lab expansion project with facility management team and coordinate the meeting with other SNHD departments.

## Disease Surveillance and Control Division

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### DIVISION KEY ACCOMPLISHMENTS

- Secured New Funding
  - Nevada Department of Corrections (NDOCCD) - this project provides funding to improve Infectious Disease control within Nevada Department of corrections facilities that are in Clark County. ODS expects additional funding for this project through May 2024.
  - HRSA-077 Subrecipient - in collaboration with Yale University, Southern Nevada received funding to improve our HCV treatment cascade and subsequent partnership with linkage to treatment services.
  - HRSA RWHAP Grant Subrecipient - in collaboration with Clark County, Southern Nevada received funding to support Clinical Quality Management (CQM) program for improving patient care, health outcomes, and patient satisfaction in Clark County.
  - DHHS SAMHSA First Responders-Comprehensive Addiction and Recovery Act Grants – Southern Nevada Health District received funding to prevent loss of life related to opioid overdose in Clark County, Nevada by preparing first responders to administer intranasal naloxone through trainings conducted by SNHD. It is four years grant from 2022 to 2026. \$500,000 each year.
  - COVID-19 Health Disparities - this project supports activities to reduce COVID-19 related health disparities. Funding is expected to be extended through May 31, 2024. Funding for DSC program activities include Strategy 1: Expand existing and/or develop new mitigation and prevention resources and services to reduce COVID-19 related disparities among populations at higher risk and that are underserved. Strategy 2: Increase/improve data collection and reporting for populations experiencing a disproportionate burden of COVID-19 infection, severe illness, and death to guide the response to the COVID-19 pandemic.
  - Center for AIDS Research- In collaboration with the NV Department of Health and Human Services and the University of California San Diego, this project will utilize molecular epidemiology strategies to prioritize HIV prevention activities. We received approval of this grant in June 2022 and started activities in August 2022.
  - Detection & Mitigation of COVID-19 in Homeless Service Sites and Other Congregate Living Facilities- Funding through October 2024. This funding is to support COVID-19 testing and mitigation in homeless service sites, encampments, and other congregate settings like group homes in addition to coordination of all homeless services providers stakeholders, for enhanced communication disease reporting and outbreak reporting and response. ACDC will work with a liaison to establish sustained meetings and communications with stakeholder providing services to the homeless community.
  - Gilead FOCUS Award- Funding will allow the expansion of routine HIV screening and linkage to care within the Clark County Detention Center and the Las Vegas Detention Center. Program efforts support DSC efforts to provide integrated services to incarcerated population in Clark County. Expansion of services through FOCUS grant to begin in January, 2023.
- Peer reviewed publications: (DSC authors in bold)
  - Sean T. Allen, Allison O'Rourke, Jessica. A. Johnson, Chelsi Cheatom, Ying Zhang, Brandon Delise, Kellie Watkins, Kathleen Reich, Rick Reich & Cassius Lockett (2022) Evaluating the impact of naloxone dispensation at public health vending machines in Clark County, Nevada, Annals of Medicine, 54:1, 2692-2700, DOI: 10.1080/07853890.2022.2121418
- Other contributions:

- Mpox data gathered from DSC Mpox investigation data contributed to the CDC MMWR publication, Severe Monkeypox in Hospitalized Patients — United States, August 10–October 10, 2022

DIVISION UPCOMING/ONGOING PROJECTS/GOALS

- Complete the Medical Examiner and Coroner Systems (CME) upgrade for Clark County Coroner Office.
- Working with NV HIE to improve eCR reporting.
- Working with UNLV to apply GIS technology for COVID-19 response.
- Continue to work with local healthcare providers and CDC to onboard eCRs.
- Implement Laboratory Response Network (LRN) interface to submit data to the LRN network with the CDC.
- Continue to maintain and enhance SNPHL LIMS system including Harvest security updates, SMTPS integration, and build a NSPHL/SNPHL Bi-directional orders/results interface
- Update SNHPL dashboard with Power BI deployment and integration
- Enhance the Syringe Vending Machine online sign-up project to accommodate a new medical vending machine.
- Continue to collaborate with universities (University of Washington and Yale university) on National Network of Sexually Transmitted Diseases Clinical Prevention Project and HIV/HCV coinfection case conferencing project.
- Collaborate with University of California San Diego on HIV/STD patient social network and genetic modeling project.
- Continue to enhance data warehouse to Integrate data from multiple mission critical systems to produce more data accessibility across the organization and enable interdepartmental analytics and visualization.
- Improve data interoperability across the district.
- Leverage COVID-19 automation technology for other disease notifications. Our first disease will be Chlamydia.
- Data migration from TriSano to Epitrax and implementation of Epitrax as a statewide system. Staff have completed two rounds of testing and provided feedback to the statewide implementation team. ODS and ACDC staff have attended numerous trainings in preparation for go live.
- Continue efforts through the DIIS trainer to create or identify enhancement trainings to build DIIS investigation skills.
- Working with 3<sup>rd</sup> party facilitator to finalize Community Health Improvement Plan (CHIP). This is expected to be presented to the Board of Health in November 2022 and PHAB in January 2023.
- Will work directly with a CBO to hire a homeless coordinator position to act as a liaison between SNHD DSC and the homeless services providers to improve their infectious disease detection including covid, enhance their testing plans, and response to outbreaks.
- Expand and enhance the outbreak response team by adding additional training and tools within the new Surveillance System Epitrax and hiring DDCS II's with more flexibility to work on response regardless of the disease type or name.
- Improve efficiency in receiving communicable disease reports, by increasing provider use of online morbidity report portal to decrease manual entry and improve overall response time to disease investigation/response

- Implement new surveillance system EpiTrax and modify outbreak workflows to improve response to reported clusters and outbreaks.
- Add DDCCS and DIIS positions to ODS/ACDC teams to allow for more flexibility in responding to emergence public health threats and disease.
- Working to secure new funding to enhance disease surveillance efforts.
- Public Health Infrastructure Project- solidify budgets, workplans and evaluation plans

## Office of Disease Surveillance

### KEY ACCOMPLISHMENTS

- Finalized Community Health Improvement plan in December 2022, for wide dissemination in January 2023. The top 4 health priorities that will be focused on in the Community Health Improvement Plan: Access to Care, Chronic Disease, Transportation, and Public Health Funding.
- The Health Education Team provided 64 trainings to 1282 trainees to date. This team has also conducted 69 presentations to state or national agencies.
- Health educator led the passing of SNHD's first District-wide suicide awareness policy that will place SNHD as leaders in suicide awareness efforts in the state.
- Deployed EPT online referral form through eCW to simplify the process and encourage more EPT referrals.
- Received funding for new positions in our STD Supplemental grant that will work specifically to address Congenital Syphilis: CS Health Educator and the CS Nurse Case manager (collaboration with the Sexual Health Clinic) conducted 23 provider visits. In addition to meeting with providers, leave behind tool kits were given that includes posters about testing, info graphs about syphilis awareness, and provider talking points on how to take a sexual history The CS Nurse Case Manager transported 8 clients to their clinic appointments who would have otherwise missed syphilis treatment and enrolled 29 CS clients for case management through Q3 2022.
- Supported ACDC Mpox investigative efforts by temporarily reassigning 4 ODS DIIS to that team. Also supported by providing funding that supported Mpox surveillance efforts through our STD grant.
- Collaboration with NV Department of Corrections (NDOC) to expand investigation teams to address increased morbidity in the High Desert and Florence McClure prisons. This team investigated 321 cases between Florence McClure Women's Correctional Facility, High Desert Correctional Facility, and Southern Desert Correctional Facility.
- Co-facilitated a PrEP Institute for Nevada. This was a 2-day training co-led by SNHD and The San Francisco Department of Health to engage community partners throughout the State in PrEP conversation and initiation. 62 participants from throughout Nevada attended.
- In partnership with OOIE, implemented enhanced gonorrhea surveillance using systematic random sampling methodology to select 20% of gonorrhea cases for enhanced investigation. The purpose of enhanced surveillance is to gather other important demographic, clinical, and behavioral variables, such as race/ethnicity, HIV status, and gender of sex partners, which could help better describe the GC epidemic and inform prevention strategies. This allows the findings to be generalizable to all GC cases in Clark County. The pilot study for this project was implemented October 2021. Official eGC surveillance began in January 2022 and 1172 GC cases have been sampled and investigated.
- Harm Reductions Efforts
- Hosted 3<sup>rd</sup> annual Southern Nevada Substance Misuse and Overdose Prevention Summit (SNSMOPS) through ODTA efforts with 97 in-person registrants and 62 virtual registrants during hybrid event. Celebrated one year anniversary of Fentanyl Test Strip Program with 26 participating agencies and

over 27,000 FTS distributed to community. 364 unique individuals trained this year. The Fentanyl Test Strips Program received the Public Health Program of the Year from the Nevada Public Health Association.

- Implemented public health vending machine at SNHD Main location in Decatur, Fremont Public Health Center, and one RTC station.

MARKETING EFFORTS

- Launched Re-Think Nevada Campaign- increasing access to HIV testing by implementing rapid HIV testing at UMC Quick Care- addressing Pillar 1 in Clark County’s Ending the HIV Epidemic Plan. Continue to promote POC HIV testing, PrEP/PEP services, rapid start and linkage to care services
- Ongoing promotion and awareness via SNHD social media, FB, Instagram and web site to promote Collect2Protect (C2P- at home testing for HIV and STIs), PrEP/PEP services and condom distribution in a statewide effort.
- Partnered with UCSD on CFAR Molecular Surveillance project to address Pillar 4 in Clark County’s the Ending the HIV Epidemic Plan.
- Worked with community partners to help support implementation of POC HIV testing within their agencies.
- Worked with the State to begin conversations with the Tribal communities to include awareness and access to Collect2Protect services.
- Developed new partnerships with community partners/agencies to create new outreach efforts in non-traditional settings.
- Increased public health detailing efforts within the community targeting providers on PrEP/PEP and Congenital syphilis awareness.

OUTREACH/TESTING EFFORTS

UMC Quick Care- ODS worked closely with UMC to develop their capacity to offer POC HIV testing to their Quick Care clients. In this reporting period, UMC started rapid HIV POC testing at 10 Quick Care locations. 4103 POC tests for HIV have been performed and 15 newly diagnosed individuals were identified and referred to rapid care immediately.

<b>Prevention - SNHD HIV Testing</b>	<b>2022</b>
Outreach/Targeted Testing	10,132
Clinic Screening (SHC/FPC/TB)	3064
Outreach Screening (Jails, SAPTA)	1370
Collect2 Protect	248
<b>TOTAL</b>	<b>14814</b>
Outreach/Targeted Testing POSITIVE	67
Clinic Screening (SHC/FPC/TB) POSITIVE	4
Outreach Screening (Jails, SAPTA) POSITIVE	4
Collect2 Protect POSITIVE	0
<b>TOTAL POSITIVES</b>	<b>75</b>

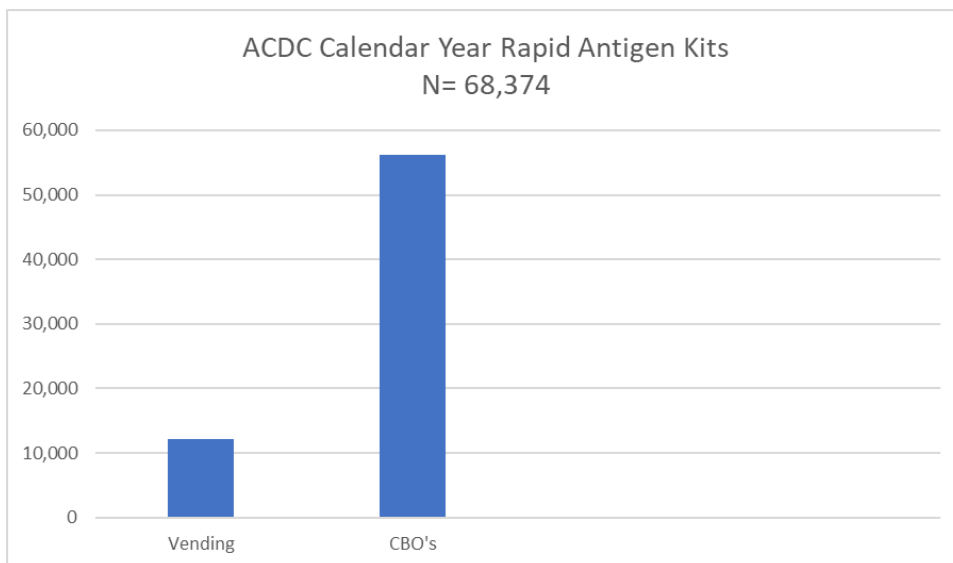
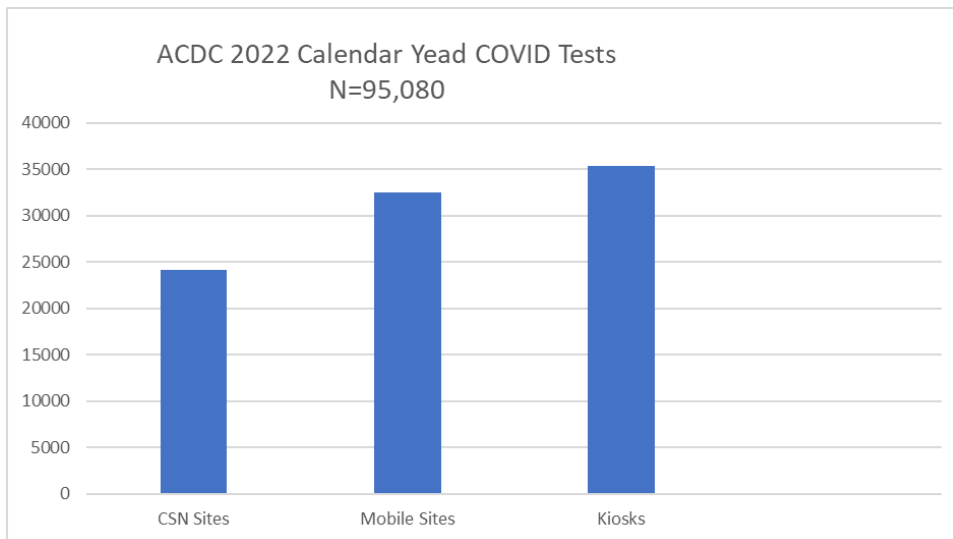
## Acute Communicable Disease Control

### KEY ACCOMPLISHMENTS

- Launched Covid Vending machine project on May 25, 2022 providing access to free covid antigen test kits to rural communities, including Mesquite and Laughlin and other accessible locations that serve minority and underserved populations. 12,106 antigen kits were distributed (through Dec 6, 2022). A total of 6 machines have been implemented with the most recent three going live in the first week of December 2022.
- Partnered with UNLV to implement wastewater surveillance for SARS-CoV-2. Launched a Covid Wastewater Surveillance Dashboard in Partnership with UNLV, DRI, and SNWA.
- Partnered with UNLV to create the infrastructure for a continuing medical education delivery system initially focused on COVID-19 but with long term implications of growing past this into other disease educational resources. The educational programs are utilizing a clinical format known as Project ECHO (Extension for Community Healthcare Outcomes). Once UNLV is approved as a CME provider, SNHD will be able to partner more easily to creating presentations, conferences, and public health updates that offer CME to our medical providers in Clark County.
- Contracted with a Family Resource Center to improve referrals to resources for clients in need of housing, food, healthcare, or other services.
- Partnered with 35 with multiple community-based organizations to assist in covid home antigen test distribution to minority/underserved populations and at-risk groups. Distributed 56,268 antigen test kits this year through CBO's (through December 6, 2022).
- Conducted 55 provider educations to Clark County medical providers to ensure compliance with communicable disease reporting. 34 ACDC contact tracers received a Nevada Laboratory Assistant license which allows sustained community testing activities beyond the end of the Declared Public health emergency in Nevada.
- Worked with the state's Resiliency Project to refer clients and contacts impacted by COVID-19 to the Resiliency Ambassadors. This effort required technical assistance with informatics to develop variables within TriSano to capture whether a person was interested in being contacted by an RA.
- Incorporated WGS findings from SNPHL as an early cluster identification mechanism and potential early outbreak identification for several enteric illnesses.
- Responded to and investigated 288 Mpox cases, monitored all known contacts, provided referrals to PEP and partnered with Primary and Preventative Care programs to vaccinate eligible individuals.
- Funded and supported a MPOX vaccine outreach team to vaccinate eligible people during non-traditional hours and non-traditional locations focusing on LGBTQ populations.
- Funded a Mpox social media campaign to provide awareness, education and vaccination information.
- Added a referral process for notifying Environmental Health's Aquatic program for any cases/illness with diseases that had potential risk from recreational water exposures.
- SNHD ACDC Workforce investigated 69,328 COVID cases in 2022.
- Sustained COVID support teams for CCSD and school/daycares in Clark County with designated contact tracing team to provide onsite support as needed and maintain a 24/7 standby duty line and email address for school support. Developed and outbreak response procedure and protocol for local school systems.
- Senior DIIS presented at CSTE's annual conference as part of a pre-conference workshop panel on best practices related to Legionnaires' Disease (Legionnaires' Disease: Distilling Down Best Practices and the Latest and Greatest Guidance for Legionnaires' Disease).



- Stood up a drive-thru test site serving thousands of Clark County residents during the omicron surge.
- Secured and executed contracts to sustained three community covid testing sites at College of Southern Nevada staffed by ACDC internal contact tracers performing 24, 184 tests (through Dec 6, 2022). ACDC secured and maintained contracts with mobile vans for testing and kiosks testing to strategically place testing locations in areas of need and allow equal access to testing across the valley including locations in Mesquite and Laughlin. Partnered with Fulgent, Medasource and Curative to provide more than 70,896.
- Facilitated the distribution of a large donation of more than 25,000 covid antigen kits to agencies across Clark County.
- Various testing sites developed to reach community (large drive-thru, smaller targeted sites in “red” zip codes, strike teams).
- Initiated development process for an automated Bot system to clear COVID 19 case back log and improve the surveillance data.



## Office of Epidemiology and Public Health Informatics

### KEY ACCOMPLISHMENTS

- Building partnerships, applied for new grants, and maintained existing grant deliverables.
- Led or support COVID-19 responses
  - Support the maintenance of SNHD's COVID-19 dashboard.
  - Conduct quality assurance review for COVID-19 death investigations.
  - Led the Situational Unit for SNHD's immunization campaign.
  - Led the Homebound Survey Project for the health disparities grant.
  - Led the evaluation of the vaccine magnet reminder program.
  - Coordinate with officials from the state and Immunize Nevada on the coordination of vaccine and testing sites in Clark County.
  - Maintain the internal tracking sheet for SNHD and community partner immunization clinics.
  - Issued an RFP to the community partners to collaborate and address health disparity issues.
- Led the Cardiff Violence Injury Prevention Project
  - Successfully applied a CSTE grant to explore a data science toolbox to support the implementation of the Cardiff Violence Prevention Model in Clark County.
- Support drug overdose prevention efforts through the OD2A grant.
- Support the EMS and traumatic injury surveillance and prevention.
- Applied and was awarded with the 4-year FR-CARA grant.
- Applied and was awarded with the Sate Opioid Response sub-award to purchase \$300k worth of naloxone.
- Maintain childhood lead poisoning surveillance to support Nevada Childhood Lead Poisoning Prevention program.
- Maintain PHEP grant activities.
- Fulfill data requests from community partners in a timely manner
  - Managed Vaccine Requests and Final Allocations for SNHD and Community Partner Clinics.
  - Media data requests for heat related deaths.
  - Fentanyl overdose mortality and morbidity data summary for press release.
- Presentations to Community
  - Quarterly TB Cohort, in partnership with ODS.
  - Epi 101 presentations for internal medicine residents and students from UNLV School of Public Health, UNLV School of Medicine, UNLV School of Nursing, CSN Nursing, and CCSD.
  - Death certificate presentation for the internal medicine residents.
  - Naloxone trainings for the first responders, law enforcement, and other community partners
  - Drug overdose data presentations for state and local legislators.
  - County Health Rankings presentation to SNHD partners, in partnership with ODS.
  - HIV/STD epi profile presentations for CDC, state, community-based organizations, medical providers, and SNHD staff.
- Participate in committees and provide epidemiology technical support
  - Statewide Epidemiology Organization Workgroup (SEOW) Committee
  - Southern Nevada Opioid Advisory Council (SNOAC)
  - CSTE Injury Epidemiology and Surveillance Subcommittee (co-chair)
  - CSTE Substance Use and Mental Health Subcommittee
  - International Overdose Awareness Day (IOAD) Planning Committee

- BIO Watch Advisory Committee
- NACCHO Academy of Science Board
- Nevada State Antimicrobial Stewardship Board
- Statewide CRE Surveillance Workgroup
- Statewide Hepatitis Outbreak Response Plan Workgroup
- Congenital Syphilis Review Board
- Created and maintained epidemiological reports
  - COVID-19 daily aggregate report
  - COVID-19 daily trend reports (for public use and for official use)
  - Daily situational report for the immunization campaign
  - Daily vaccine dashboard data
  - Daily legionella report
  - Daily MPOX report
  - Daily RSV surveillance report
  - Weekly vaccine administration report
  - Weekly vaccine breakdown report
  - Weekly vaccine snapshot report
  - Weekly COVID case rate by zip code report
  - Weekly flu vaccine administration report for FQHC
  - Weekly COVID-19 city reports
  - Weekly COVID-19 report for CCSD (children under 18 years old)
  - Weekly COVID-19 breakthrough report
  - Weekly Hepatitis C QA report
  - Weekly influenza surveillance report
  - Monthly COVID-19 immunization clinic map overlay with 30-day case rate
  - Monthly and quarterly disease statistics reports
  - Monthly moving average charts for trend monitoring and outbreak detection
  - Monthly flu vaccine administration report for FQHC
  - Quarterly CDC lead testing data submission
  - Quarterly CLPPP lead testing data submission
  - Annual pediatric drowning/submersion report
  - Annual leading causes of death report
  - Biannual antibiogram
  - Support TriSano data warehouse transition to EpiTrax
- Lead outbreak investigations
  - Secret of Siam THC toxicity outbreak investigation
  - Real Water acute nonviral hepatitis investigation
  - COVID school outbreak investigations
  - Reevaluated and updated syphilis reactor grid
  - Implemented enhanced gonorrhea surveillance using systematic random sampling methodology to select 20% of Gonorrhea cases for enhanced investigation
  - Trac-B IDU investigation after increases in new HIV diagnoses were reported by Trac-B
- Workforce recruitment and development

- Hired one senior epidemiologist and one epidemiologist to work on health disparity issues related to the COVID-19 pandemic.
- Secured support from the CDC Foundation to have two epidemiologists assist the COVID-19 health disparity grant activities.
- Secured training opportunities and provided to staff for workforce development
  - One staff members completed CSTE LEAD (Leading Epidemiologists, Advancing Data) training
  - Four staff members complete HL7 international certificates
  - Six staff members completed courses at Epidemiology Summer Institutes offered by Johns Hopkins University and University of Michigan
  - Six staff members attended workshops at the CSTE Annual Conference
  - Two staff attended eCW user Conference
  - One staff STD Clinic Conference
  - Three staff members attended ESRI GIS online trainings
  - Expanded epidemiology book library for staff
- Expand informatics team and hired 4 public health informatics scientists to enhance informatics capacity for COVID-19 response and EpiTrax implementation.
- Provide support for Office of Disease Surveillance (ODS), Office of Epidemiology, Office of EMS/Trauma System, Environmental Health (EH), Clinic Services with various data requests, data exports, and report generation.
- Enhanced TriSano and EMSA system infrastructure to meet the needs of surging COVID-19 surveillance activities. Maintain and update COVID-19 dashboard, COVID-19 maps, lab testing and ED admission trend analysis and other urgent data requests.
- Maintain and enhance data warehouse and BI tools to ensure timely data analysis and reporting.
- Continue to work on the Southern Nevada Public Health Laboratory (SNPHL) Laboratory Information Management System (LIMS) system to interoperate with other internal and external systems.
  - Updated LIMS to accommodate new instruments and testing offered by the Clinical Laboratory.
  - Upgraded LIMS upgrade to the latest version including validations to meet increased testing and laboratory growth
  - Developed an inventory management system for SNPHL.
  - Completed CDC Public Health Laboratory Interoperability Project (PHLIP).
- Maintain and enhance an application for Collect 2 Protect project (Online Testing Kit).
- Develop an application for the linkage to action project for HIV patient referral and outreach.
- Develop and enhance the Syringe Vending Machine (SVM) application.
- Work with IT to maintain and upgrade the Electronic Health Record (EHR) system to adapt to changing workflows for COVID-19 test ordering and COVID-19 vaccination.
- Continue to support Clark County Coroner's Office (CCCO) to upgrade its Coroner and Medical Examiner (CME) information system, streamline work processes to ease staff workload, data requests and reports.
- Completed EpiTrax system implementation for TriSano upgrade and assist the state to migrate state NBS to EpiTrax. Completed COVID-19, HIV & TB, and other diseases custom logic migration for EpiTrax.

- Developed and completed various reports to support Clinical Services for healthcare quality improvement, program management and grant deliverables such as UDS reports, RSR reports and monthly departmental reports.
- Onboarded total 492 contact tracers to Trisano for COVID-19 response.
- Onboarded 262 providers for COVID-19 ELR reporting
- Onboarded 189 providers for eCR reporting and authorized 103 reportable conditions in the Reportable Conditions Knowledge Management System (RCKMS).
- Continue to provide prompt informatics support for SNHD internal programs and external partners such as the State and UNLV.
- Provide informatics supports for SNHD Clinical Services grants (5 new and 3 existing grants).
- Produced reports for FHQC and Ryan White HIV/AIDS Program (RWHAP) programs.
- Continue to enhance the iCircle web application for OEDS, and transmission of STD, HIV and Hepatitis testing data to CDC, and enhance a QA process between iCircle with eCW data.
- Upgrade SNHPL LIMS to latest version including HL7 2.5.1 interface and security updates. Work with the CDC and APLH for Public Health Laboratory Interoperability Project.
- Update EMSA logics and TriSano for all reportable conditions based on CDC requirement.
- Developed a WGS Interface To Orchard and import WGS results into TriSano
- Updated Opioid and Child Lead Poisoning Presentation Program Dashboards
- Updated State Syndromic Surveillance System to adopt HIE data Feed Changes

#### OFFICE OF PUBLIC HEALTH INFORMATICS COVID-19 ACCOMPLISHMENTS

- Processed over 5 million ELRs and performed daily ELRs data QA.
- Update EMSA logic for COVID-19 case investigation and contact tracing.
- Maintain applications to automate COVID-19 contacts upload for contact tracing and testing referral and produce COVID-19 DECIPHER report.
- Developed automated COVID-19 patient notification application and perform QA for contact tracing and identification.
- Maintain and enhance COVID-19 lab results portal to include NSPHL overflow test results.
- Enhance SNPHL infrastructure and overflow process to meet testing surge. Onboard NSPHL, Medasource and MDX labs as SNPHL overflow labs for COVID-19 testing.
- Work with IT to develop COVID-19 interface between instruments, COVID-19 POD app and Orchard, COVID-19 testing, and reporting needed for SNPHL.
- COVID-19 testing and vaccination reports by linking eCW with WebIZ and Orchard.
- Provided daily tracking of case and death count at the height of new cases for Clark County Coroner office. Work with CDC and Completed Public Health Laboratory Interoperability Project (PHLIP) project.
- Developed SNPHL Dashboard/Reporting for COVID-19 testing
- Developed a COVID-19 patient referral process for the DHHS Nevada Resilience Project (COVID-19 Resilience Ambassador program).
- Developed various reports from EHR and CAREWare for Clinic Services' COVID-19 response needs.
- Developed applications to consume COVID-19 testing results in multiple formats from various labs/facilities
- Worked with IT and developed an interface to exchange data between Salesforces application and ECW and submit COVID-19 vaccine demographic information to the state immunization registry.

- Developed several interfaces to exchange COVID-19 testing data between UMC and NSPHL with IT COVID-19 App.
- Worked with UNLV to apply GIS technology and produce spatial analysis reports via hot spot analysis, disease mapping, and their associations with socioeconomic and other area risk factors relating to populations experiencing a disproportionate burden of COVID-19 infection.
- Worked with NV HIE to increase and improve the electronic Health Information Exchange data collection and quality relating to populations experiencing a disproportionate burden of COVID 19 infection.

## Environmental Health Division

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Environmental Health staff received Board of Health approval for a 27% increase to the Environmental Health Fee Schedule and annual Consumer Price Index (CPI) adjustments starting in 2024. The fee increases and CPI adjustments will be used to hire 24 additional staff and give programs sustainability as the community continues to grow.

### Consumer Health

#### AQUATIC HEALTH (AH) OPERATIONS:

- Staff developed a risk-based inspection protocol for aquatic facilities to improve inspection quality and efficiency.
- The program supervisor wrote an article for the Nevada Chapter of Community Associations Institute Community Interests magazine.

#### AQUATIC HEALTH PLAN REVIEW:

- Staff hosted several Industry Outreach meetings to discuss various plan review topics, including updating the regulated community on changes to suction entrapment avoidance standards.
- Staff managed a 46% increase in plan review projects.

#### FACILITIES PLAN REVIEW:

- The program supervisor presented to the local chapter of the International Association of Plumbing and Mechanical Officials.

#### SPECIAL PROGRAMS:

- One staff member presented at the Nevada Environmental Health Association (NEHA) Annual Educational Conference (AEC) on how to get local regulations passed in the State of Nevada.
- Staff successfully drafted regulations governing Body Art Establishments and began implementation efforts.
- Staff developed a risk-based inspection protocol for schools to improve inspection quality and efficiency.

#### HIGH LEVEL GOALS FOR 2023:

- Revise the Child Care Regulations
- Expand the Aquatic Health Operations program into two offices
- Revise the Aquatic Facilities Regulations

## Food Operations - Inspections

- Staff hosted quarterly Food Safety Partnership (FSP) meetings remotely to maintain Industry outreach, communication, and education.
- Staff identified gaps in the invoicing process and developed an outstanding balance policy.
- Staff worked with industry to get the SNHD 2023 Food Regulations approved by the Board of Health (BOH). The final product was met with praise by both the regulated community and BOH members for our strong partnership, flexibility, and open communication.
- Staff developed a sixth food office in Food Operations.

### HIGH LEVEL GOALS FOR 2023:

- Train Staff and industry on the 2023 Food Regulations
- Participate in National Association of County and City Health Officials (NACCHO) mentorship program

## Food Operations – Regulatory Support

### SPECIALIZED FOOD OPERATIONS:

- Staff members significantly contributed to the accreditation process with the Public Health Accreditation Board (PHAB) for Domain 6 and assisted with Domain 2.
- Staff volunteered to participate in the COVID-19 Incident Command System (ICS) response and was assigned as the Safety Officer for eight months.
- Staff received the Carol Selman award for excellence in foodborne illness response.

### SPECIALIZED FOODS OFFICE:

- At the request of the NEHA, staff traveled to Guam and trained Guam Environmental Health personnel on water vending and manufacturing inspections.
- Staff participated and presented at the second annual Mobile Vendor Expo, along with other local government agencies.
- Staff attended and was a speaker for Standard 3 at the Food and Drug Administration (FDA) Retail Program Standards Symposium.

### REGULATORY SUPPORT OFFICE:

- Staff members were speakers and panelists at the FDA Retail Program Standard Symposium.
- Staff presented, “The Power of Partnership” at the Maricopa County Environmental Health Services Department.
- Staff gave a presentation at the Association of Food and Drug Officials (AFDO) Annual Educational Conference (AEC) about food additives and label requirements.

### HIGH LEVEL GOALS FOR 2023:

- Continue with the Food Safety Culture study; this year we will conclude the interviews and surveys from industry
- Launch SNHD’s Certified Food Protection Manager (CFPM) training program
- Start inspections for facilities with Hazard and Critical Control Point (HACCP) plans
- Coordinate more combined unpermitted food vending investigations with other agencies

## Solid Waste & Compliance

### ILLEGAL DUMPING / RESTRICTED WASTE MANAGEMENT (RWM) PROGRAMS:

- The Illegal Dumping and Restricted Waste Management Programs were reorganized geographically into North and South offices.
- Staff met with Business License agencies (Clark County, City of Las Vegas, City of Henderson, and City of North Las Vegas) and established referral processes for non-compliant Restricted Waste facilities.
- Staff completed over 3,400 annual Restricted Waste inspections and conducted approximately 1,000 Illegal Dumping responses.
- Staff are participating in the Las Vegas Metropolitan Police Department (LVMPD) Place Network Investigation (PNI) program which is similar to a County Multi Agency Response Team (CMART) but also includes the City of Las Vegas.

### LEGIONELLA TESTING PROGRAM:

- Staff conducted 14 residential investigations for Clark County residents who tested positive for Legionnaires' disease or Pontiac fever. Nevada is one of only three states performing residential Legionella testing.
- Staff tested 16 well water systems for Legionella bacteria in rural Clark County as part of the Environmental Health Capacity grant.

### MOSQUITO DISEASE:

- Staff set 3,247 traps and submitted over 43,000 mosquitoes to the Southern Nevada Public Health Laboratory for disease analysis; all samples were negative for West Nile Virus and no human cases of disease were reported.
- Staff identified the ongoing expansion of *Aedes aegypti* across Clark County, with the highly invasive urban mosquito being identified across the Las Vegas valley.

### PUBLIC ACCOMMODATIONS:

- Staff conducted 760 resort/hotel COVID-19 prevention compliance inspections as required under Senate Bill 386.

### PERMITTED DISPOSAL FACILITIES (PDF) PROGRAM:

- Staff assisted with planning and notification for the City of Henderson mercury collection event.

### UNDERGROUND STORAGE TANK (UST) PROGRAM:

- Staff completed over 850 routine annual facility inspections to maintain compliance with the Nevada Division of Environmental Protection (NDEP) contract.

### HIGH LEVEL GOALS FOR 2023:

- Expand outreach and provide education on the illegal dumping program
- Revise the Public Accommodation Regulations
- Prepare the 2022 Mosquito Disease Surveillance Report and archive 2022 trapping data
- Work with EH leadership and Finance to submit the 2023 ELC Grant application
- Develop strategies to expand *Aedes aegypti* specific surveillance
- Develop long-term sustainable funding for Legionella investigations
- Have two staff pass the Environmental Protection Agency (EPA) Lead Risk Assessor Certification Exam



## Engineering

### INDIVIDUAL SEWAGE DISPOSAL SYSTEM (ISDS) PROGRAM:

- Staff are working with the University of Nevada Las Vegas (UNLV) to develop environmental health informatics capability.
- Staff concluded outreach and a water testing event in Sandy Valley as part of grant activities that included groundwater and Legionella sampling for residential properties.
- Staff is working to establish a groundwater advisory board in the Moapa Valley region.
- ISDS staff participated in a Septic to Sewer Conversion Working Group with Clark County, the Southern Nevada Water Authority, and Clark County Water Reclamation District (CCWRD).

### PUBLIC ACCOMMODATION PLAN REVIEW:

- Staff took over Plan Review duties for the Public Accommodations Program.

### SAFE DRINKING WATER (SDW) PROGRAM:

- Staff worked to address SDW compliance issues in Trout Canyon.
- Staff coordinate technical assistance from the State for at-risk public water systems in Clark County.

### SUBDIVISION PLAN REVIEW:

- Staff worked with local water and sewer agencies [City of Henderson, City of Las Vegas, City of North Las Vegas, and CCWRD] to resolve required review comments in situations that are routinely deemed acceptable by the applicable jurisdiction. Staff are working through similar issues with the Las Vegas Valley Water District.

### SOLID WASTE PLAN REVIEW:

- To streamline the Solid Waste Plan Review application process, staff revised the application package from the former ten section paper submittal format to a three-part format that is easier to submit electronically.
- Staff reviewed and approved a new municipal waste cell at the Republic Services APEX Regional Class I Landfill.

### HIGH LEVEL GOALS FOR 2023:

- Work with other agencies/jurisdictions on a septic system conversion program
- Conduct groundwater testing in partnership with the Southern Nevada Water Authority (SNWA) to improve the accuracy of groundwater quality data
- Revise the Individual Sewage Disposal System Regulations
- Continue to work with local jurisdictions so that new construction applications are submitted to SNHD before construction begins

## Primary and Preventive Care Division

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### Residency/Academic Affairs Program

- The Residency Program continued to provide training to Dr. Michael Zhang, who completed his second, and final year, of his residency training.
- The Academic Affairs Program coordinated the placement of 115 students, residents, and fellows for a total of 4,012 hours of applied public health practice.

### Immunization Program

- The Immunization Program administered a total of 87,172 vaccines to 33,755 clients at its four locations.
- The Immunization Program supported the development of a new registration and documentation system which came on-line in July 2022.

### Sexual Health Clinic

- The Sexual Health Clinic provided care to 9,606 patients at its two locations.
- The Sexual Health Clinic established its Congenital Syphilis Case Management Program to address the high rates of congenital syphilis in Clark County.

### Tuberculosis/Refugee Health Clinic

- The Refugee Health Program provided health services to 443 refugees.
- The Tuberculosis Program treated 52 individuals with active TB, including one with MDR-TB.

### Community Health Nursing Program

- Through its four separate initiatives, the Community Health Nursing Program enrolled 201 families and provided services to 422.

### COVID-19 Vaccination Program

- The COVID-19 Vaccination Program administered over 97,000 vaccinations at its static and pop-up sites, through its strike teams, and through its home-bound and long-term care programs.
- The COVID-19 Vaccination Program supported the efforts of community partners who conducted their own vaccination efforts. This support included providing training, vaccine, supplies and support for data entry.
- The COVID-19 Vaccination Program continued its efforts to get healthcare providers to administer vaccine in their clinics. As of this report, a total of 236 providers are now enrolled in a program with 43 the actively hold vaccine in their office.
- As of December 19, 2022, a total of 3,945,499 doses of COVID-19 vaccine have been administered in Southern Nevada since a vaccine first became available in December 2020.

### High-level Goals for 2023

- Address deficiencies with the Preventive Medicine Residency Program.

- Implement eClinicalWorks vaccine administration management system, replacing the existing state-supported platform.
- Develop and implement long-term plans for COVID-19 vaccination.

## Southern Nevada Community Health Center (FQHC)

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### General Activities (Family Planning, Primary Care, Ryan White, Behavioral Health, Pharmacy, and Dietician)

- As of November 30, 2022, there was a total of 5,724 unique patients served.
- As of November 30, 2022, there was a total of 13,425 total encounters provided
  - Family Planning: 5,642
  - Primary Care: 4,414
  - Ryan White: 2,080
  - Behavioral Health: 951
  - Pharmacy: 174
  - Dietician: 164
- Implemented in-house billing services
- Improved revenue cycle process
- Established additional 3rd party payor contracts
- Improved insurance credentialing process
- New monthly FQHC finance meeting implemented
- Implemented new Sliding Fee Scale
- Developed workflow for receiving PPS Wrap Payments. Received approximately \$700k in back payments for FY21 and FY22
- Implemented 4/10 schedule for staff
- Onboarded FQHC Operations Officer, one (1) Licensed Clinical Social Workers (LCSW), one (1) Advanced Practice Registered Nurse (APRN), Senior Administrative Assistant and various administrative staff joined the Health Center
- The Health Center now has the following providers: 3 Family Planning, 2 Primary Care, 2.1 Ryan White, 3 Behavioral/Mental Health Providers, and 1 Registered Dietician
- Staff completed Cultural and Linguistically Appropriate Service (CLAS) standards training
- New credentialing and privileging process implemented for clinical staff
- Opened new Fremont Public Health Center as permanent flagship SNCHC site
- Enlarged HRSA Service Area to encompass patients residing in zip codes in east Las Vegas
- Expanded hours of operation to Monday – Friday 8am – 6pm
- Expanded Behavioral Health Services through the addition of LCSWs
- Successfully completed the HRSA Operational Site Visit (OSV)
- Onboarded three new patient board members
- Received Continuation funding New Access Point and Primary Care HIV Prevention
- Completed application to become Federal Tort Claims Act (FTCA) deemed
- Modified appointment templates increasing access to care by 15%
- Implemented new daily Care Team and Management Huddles
- Implemented new staff meeting and training schedules
- Provided training for Providers on HIV, PEP and PrEP treatment and care planning
- Obtained patient satisfaction overall rating in the 90th percentile throughout the year
- FQHC Mobile Unit participated on 82 remote site clinic events – Primary Care, Infectious Disease, Family Planning, Ryan White, and COVID-19 testing, and Vaccinations
- Enhanced program-specific website

- Distributed 70,000 mailer postcards, along with billboard, bus and bus station advertisements
- Distributed mailer postcards announcing the new Fremont Public Health Center to residents living in ZIP codes 89030, 89101, 89104, 89106, 89110, 89121, 89122, 89142, 89156

### Grants Received

- Noncompeting Continuation funding for New Access Point and Primary Care HIV Prevention grant
- COVID-19 vaccine ARPA grant
- COVID-19 capacity and construction grant
- COVID-19 ECV grant
- Ryan White Capacity Building grant
- Health Plan of Nevada Community Catalyst grant
- Title X grant funding (new)
- Title X Telehealth grant (new)
- Continuation of Family Planning of Nevada grant
- Ryan White Part A funding (new)
- Continuation of Ryan White Part B funding
- HIV Epidemic grant – Rapid stART (new)

### COVID-19 and Mpox Activities

- Continued COVID-19 testing and vaccination site at SNCHC Decatur location
- Expanded COVID-19 and Mpox vaccinations to Fremont
- Operated a Distribution Center for PPE and COVID-19 at-home test kits for the community
- Administered more than 33,000 COVID-19 vaccinations
- Provided more than 48,000 COVID-19 tests, including both, point of care and PCR COVID-19 tests
- Implemented COVID-19 therapeutics program

### Community Partnerships

- All Saints Episcopal Church
- University of Las Vegas, Nevada (UNLV)
- Mexican Consulate
- El Salvador Consulate
- Racial and Ethnic Approaches to Community Health (REACH)
- North Las Vegas Community Correctional Center
- Health Center Controlled Networks (HCCN)
- Arizona Association of Community Health Centers (AACHC)
- Nevada Primary Care Association (NVPCA)
- Local FQHCs, etc.

### High-level Goals for 2023

- Optimize and expand services at the Fremont Public Health Center
- Build the Behavioral Health clinic at Decatur and enhance services

- Build dental operatories and develop Oral Health program at Fremont Public Health Center
- Complete the Services Area Competition for ongoing HRSA funding
- Increase the number of unique patients serviced
- Enhance health center marketing interventions

## High-Level Goals for 2023

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- Focus on training and cross-training activities to ensure sustained knowledge levels and business continuity and coverage for critical processes
- Update and expand procedures for processing and reporting activities within Finance
- Implement improvements to payroll processing and reporting functions overall for the department
- Grants Team continue to research new funding opportunities
- Transition immunization billing activity in-house
- Support implementation of eCW functionality to accommodate billing and reporting capabilities (current status – in progress)
- In September 2022, SNHD VR staff will assist NV Vital Records with a significant amount of testing in Netsmart, which will be critical to the upgrades in Netsmart.
- Working with IT to build QR codes for hospital birth applications and the reintroduction of limited kiosk services.
- Phasing out the Laserfiche system that houses birth and death records from 1973-2006
  - NV Vital records preparing to grant access to SNHD users for computing records
  - SNHD to develop project goals, guidelines and expected complete date, with a target date of January 2023 (pending assistance from state)
- Transitioning cashiering services at the Decatur location from a central cashier managed by the Business Group to cashiers who work within the individual programs themselves.
- Increasing daily appointment availability, expanding staff, and accepting limited walk-ins to ensure all working food handlers in Clark County possess a non-expired card.
- Building awareness of the online renewal system and the new food handler certificate not only among food handlers who may prefer to renew from home but also among industry leaders who will be accepting certificates from their employees in lieu of a card for years to come.
- Collaborated with EPI on their FRCARA grant
- Explore new Scopes of Work and budgets for new or renewal subgrants: PHHS (Diabetes), 1815 (Diabetes/Heart Disease), 1817 (Heart Disease), SNAPED (Physical Activity/Nutrition), REACH (Tobacco, Nutrition, Physical Activity), REACH supplement (COVID/Flu), Nevada Clinical Services (Tobacco), CDC Core (Tobacco), Youth Vaping Prevention (Tobacco), and Cannabis prevention.
- Develop and/or implement comprehensive media and social marketing campaigns, community outreach, social media, websites, and blogs.
- Respond to referrals from SNHD clinics for hypertension, diabetes, and prediabetes and provided educational follow up to referred clients.
- Maintain SNHD representation in several local, state, and national committees and coalitions. We cooperate in several SNHD internal committees. A complete listing is available upon request.
- Actively share responsibilities in the SNHD Community Health Assessment and Community Health Improvement Plan process. Staff provided a presentation on the burden of Chronic Disease during the Community Health Assessment prioritization meeting in October 2021. Chronic Disease was selected as one of the Community Health Improvement Plan (CHIP) focus areas. CDPHP staff are part of the CHIP team.
- Activities to support newly Public Health Accreditation Board Certification
- Drills and Exercises with community partners, agreements, and testing emergency operation plan components such as emergency fiscal procedures
- Ensure readiness of medical countermeasure stockpiles replacing expired medications in coordination with SNHD Pharmacy
- Combined efforts for use of the EM Track for patient tracking in community and beta tested at multiple, large venue events.
- Support County Hospital Area Command roll out, Completed 17 functional exercises with hospital and Fire Department support during MCI Exercises.

- Provide technical assistance to SNHD programs, community outreach, provide training to SNHD staff, develop a HE training series for lay persons that are part of the community, and implement a Health Equity Assessment. Continue to implement health equity strategies to strengthen the organizations' capacity to provide the community compassionate, equitable and culturally responsive services.
- Sustain support for grant partners in reducing COVID-19 health disparities among high-risk and marginalized communities.
- Partner in assistance with the Ryan White program with technical assistance in implementing their HIV Stigma reduction project.
- Host activities to support SNHD's community clinic goal of improving their national standards for Culturally and Linguistically Appropriate Services (CLAS).
- The laboratory expansion plan received a total \$5.05 million funding supporting from the Clark County and the City of Las Vegas. The new laboratory will include BSL-3 and molecular and microbiology laboratories to support bioterrorism counter response and disease surveillance testing.
- Increasing COVID-19 Sequencing capacity- Additional instrumentation, techniques, and staff to increase weekly capacity of SNPHL COVID-19 WGS testing program. Our goal for the COVID Sequencing Capacity increases from 192 to 384 samples per week
- Other Public health testing projects- many other services have been proposed, including Legionella testing, enhanced STI testing, Norovirus sequencing, BT rapid testing with the Biofire Warrior panel, CRO testing, Metagenomic WGS, Lead testing, and General Laboratory testing for SNHD clinics.
- Change the office layout by increasing the number of offices on the first floor from two to four. The Molecular supervisor, Clinic supervisor, LIMS, and Lab Administrative Coordinator will each have their own office. The completed date for renovation has been postponed to August 2022.
- Warehouse storage transfer in preparation for the construction of the new Clinical Laboratory. Relocate the WGS lab instruments and other equipment from 2nd floor to the first floor into the space of the current Clinical Laboratory.
- Initiate the use of Inventree software for inventory and supplies to improve the efficiency of stock storage and trace the real-time information of the laboratory supplies.
- The validation of other non-COVID viruses through Next Generation sequencing.
- Adding the ability to identify and sequence Candida auris.
- Preparing for the upcoming laboratory expansion.
- Institute year-round training schedule for the Laboratory Response Network (LRN).
- Develop a business plan for no insurance patients from SNHD clinic and forward the samples to our laboratory rather than sent to the reference laboratory. We will bring on new clinical laboratory testing (Chemistry, Hematology, Urinalysis) to have a better serve SNHD.
- Expand the Microbiology department to include environmental testing.
- Move Microbiology Department to new clinical microbiology laboratory at the first floor after completed the renovation of clinical health laboratory.
- Validate antimicrobial resistance gene detection of bacterial isolates
- Validate new PulseNet system in Terra, since the currently used bioinformatics platform will no longer be supported in 2025 including identification, typing, and virulence gene detection in PulseNet organisms.
- Legionella Water testing: Project timeline and budget prepared. Major equipment purchased and initial consumables received. Meetings with Rob Cole in EH regarding transition to SNPHL testing water samples currently tested by local contract laboratory. ELITE Certification panel ordered through WSLH (to arrive in August).
- Provide laboratory training of the policies and procedures for PHL staff.
- Implement ipassport document control software system and provide the training plan for individual module. Supervisors will be trained in August 2022.
- Review the survey of skill matrix with all supervisors and developing a training plan to ensure competency and have sufficient competent staff for each testing method. Skill Matrixes per department will include NV State, CLIA, and SNHD Standards
- Review and update current Monthly QA report to improve the process of collecting the information.



- Ongoing QI RSO improvement project to see if one of the more problematic facilities will improve RSO ordering if website is tweaked and if additional training materials will help.
- Validation Plan Meetings on going for susceptibility testing of C. auris and Bacillus, Legionella water testing, microbiology media changes, and C. auris identification.
- Implement the new proposed organization structure in the early of January 2023. This proposed organization structure includes to create a new emergency response section and rename the COVID section as virology section.
- Prepare the budget plan for the implementation of ISO certify clinical health laboratory and prepare the ISO 15189 training proposal.
- Prepare to move Immunology instrument to the new laboratory and prepare to re-open the service on the middle of January 2023.
- Monitor the progressive of the new lab expansion project with facility management team and coordinate the meeting with other SNHD departments.
- Complete the Medical Examiner and Coroner Systems (CME) upgrade for Clark County Coroner Office.
- Working with NV HIE to improve eCR reporting.
- Working with UNLV to apply GIS technology for COVID-19 response.
- Continue to work with local healthcare providers and CDC to onboard eCRs.
- Implement Laboratory Response Network (LRN) interface to submit data to the LRN network with the CDC.
- Continue to maintain and enhance SNHPL LIMS system including Harvest security updates, SMTPS integration, and build a NSPHL/SNPHL Bi-directional orders/results interface
- Update SNHPL dashboard with Power BI deployment and integration
- Enhance the Syringe Vending Machine online sign-up project to accommodate a new medical vending machine.
- Continue to collaborate with universities (University of Washington and Yale university) on National Network of Sexually Transmitted Diseases Clinical Prevention Project and HIV/HCV coinfection case conferencing project.
- Collaborate with University of California San Diego on HIV/STD patient social network and genetic modeling project.
- Continue to enhance data warehouse to Integrate data from multiple mission critical systems to produce more data accessibility across the organization and enable interdepartmental analytics and visualization.
- Improve data interoperability across the district.
- Leverage COVID-19 automation technology for other disease notifications. Our first disease will be Chlamydia.
- Data migration from TriSano to Epitrax and implementation of Epitrax as a statewide system. Staff have completed two rounds of testing and provided feedback to the statewide implementation team. ODS and ACDC staff have attended numerous trainings in preparation for go live.
- Continue efforts through the DIIS trainer to create or identify enhancement trainings to build DIIS investigation skills.
- Working with 3rd party facilitator to finalize Community Health Improvement Plan (CHIP). This is expected to be presented to the Board of Health in November 2022 and PHAB in January 2023.
- Will work directly with a CBO to hire a homeless coordinator position to act as a liaison between SNHD DSC and the homeless services providers to improve their infectious disease detection including covid, enhance their testing plans, and response to outbreaks.
- Expand and enhance the outbreak response team by adding additional training and tools within the new Surveillance System Epitrax and hiring DDCCS II's with more flexibility to work on response regardless of the disease type or name.
- Improve efficiency in receiving communicable disease reports, by increasing provider use of online morbidity report portal to decrease manual entry and improve overall response time to disease investigation/response
- Implement new surveillance system Epitrax and modify outbreak workflows to improve response to reported clusters and outbreaks.

- Add DDCS and DIIS positions to ODS/ACDC teams to allow for more flexibility in responding to emergence public health threats and disease.
- Working to secure new funding to enhance disease surveillance efforts.
- Public Health Infrastructure Project- solidify budgets, workplans and evaluation plans
- Revise the Child Care Regulations
- Expand the Aquatic Health Operations program into two offices
- Revise the Aquatic Facilities Regulations
- Train Staff and industry on the 2023 Food Regulations
- Participate in National Association of County and City Health Officials (NACCHO) mentorship program
- Continue with the Food Safety Culture study; this year we will conclude the interviews and surveys from industry
- Launch SNHD's Certified Food Protection Manager (CFPM) training program
- Start inspections for facilities with Hazard and Critical Control Point (HACCP) plans
- Coordinate more combined unpermitted food vending investigations with other agencies
- Expand outreach and provide education on the illegal dumping program
- Revise the Public Accommodation Regulations
- Prepare the 2022 Mosquito Disease Surveillance Report and archive 2022 trapping data
- Work with EH leadership and Finance to submit the 2023 ELC Grant application
- Develop strategies to expand Aedes aegypti specific surveillance
- Develop long-term sustainable funding for Legionella investigations
- Have two staff pass the Environmental Protection Agency (EPA) Lead Risk Assessor Certification Exam
- Work with other agencies/jurisdictions on a septic system conversion program
- Conduct groundwater testing in partnership with the Southern Nevada Water Authority (SNWA) to improve the accuracy of groundwater quality data
- Revise the Individual Sewage Disposal System Regulations
- Continue to work with local jurisdictions so that new construction applications are submitted to SNHD before construction begins
- Address deficiencies with the Preventive Medicine Residency Program.
- Implement eClinicalWorks vaccine administration management system, replacing the existing state-supported platform.
- Develop and implement long-term plans for COVID-19 vaccination.
- Optimize and expand services at the Fremont Public Health Center
- Build the Behavioral Health clinic at Decatur and enhance services
- Build dental operatories and develop Oral Health program at Fremont Public Health Center
- Complete the Services Area Competition for ongoing HRSA funding
- Increase the number of unique patients serviced
- Enhance health center marketing interventions