



Memorandum

Date: October 24, 2024

To: Southern Nevada District Board of Health

From: **Cassius Lockett, PhD**, Deputy District Health Officer-Operations *CL*
Fermin Leguen, MD, MPH, District Health Officer *FL*

Subject: Community Health Division Monthly Activity Report – September 2024

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

A. Chronic Disease Prevention Program (CDPP)

The CDPP worked with the Southern Nevada Breastfeeding Coalition (SNBFC) to promote World Breastfeeding Month in August. Activities corresponded with weekly themes and included an in-person and virtual Latch On, a documentary screening, a breastfeeding celebration, a human milk donor drive, and a weekly support group. Over 150 people participated in activities throughout the month. In addition, a member of the SNBFC was a guest on the August Healthier Tomorrow radio program sponsored by CDPP to talk about breast/chest feeding resources. CDPP shared a breast/chest feeding communication toolkit with partners and shared weekly posts on our social media channels throughout the month.

CDPP staff facilitated the Partners for a Healthy Nevada (PHN) coalition meeting in August. Forty-nine people attended the meeting that included educational presentations, networking, and advocacy updates. The PHN position paper on obesity was updated with 2023 BRFSS and YRBSS data and shared with coalition members. The updated position paper is also on the PHN webpage.

Our CDPP hosted a 'Lunch and Learn' event during CHW Appreciation Week in August to share CDPP resources and programs with CHWs working at SNHD. A total of 24 CHWs attended the event and nearly 100 resources were provided to CHWs.

The annual Barber/Beauty Shop Health Outreach Project (BSHOP/BeSHOP) training and appreciation lunch was hosted by CDPP. Over 22 barbers, stylists, and owners representing ten of fifteen BSHOP/BeSHOPS attended. This annual meeting serves as a refresher training as well

as partner appreciation event. Former County Commissioner Lawrence Weekly, and Deputy District Health Officer for Operations, Dr. Cassius Lockett provided remarks during the event.

B. Tobacco Control Program (TCP) Update

The TCP collaborates with Carson City Health and Human Services and, and Northern Nevada Public Health to maintain the statewide tobacco flavoring initiative website, Attracting Addiction NV. The collaborative group develops, distributes, and updates educational material and web and social media assets that use Nevada-specific data to provide information on flavored tobacco products, mentholated products, e-cigarettes, and cessation and prevention resources to raise awareness, prevent youth initiation, promote cessation, and reduce sales of tobacco-related products. Several updates were made to the website this month.

Partnered with Fiesta Radio 98.1 FM to promote cessation resources and tobacco-free lifestyles messages among the Hispanic and Latino community. The collaboration includes various elements such as radio segments, outreach event participation, social media promotions and dedicated topic email blast to radio listeners. The collaboration is running from August to September 2024 and various elements will coincide with Hispanic Heritage month.

Staff presented on tobacco-related topics impacting the African American community at the Nevada Minority Health and Equity Coalition Virtual Health Fair. Culturally competent educational materials aimed at raising awareness, preventing tobacco use initiation, and promoting the Because We Matter brand and Nevada Tobacco Quitline cessation services were provided to attendees.

A new media campaign was created to help promote the adoption of minimum distance policies (limit smoking near entrances and exits to buildings). As part of this new campaign, a direct mail piece to encourage business owners and managers to develop minimum distance policies was developed. The mailer provides education on the benefits of tobacco-free policies. The mailer was sent out to strategically selected businesses in under-resourced communities.

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

A. OEMSTS – September 2023 / 2024 Data

EMS Statistics	Sep 2023	Sep 2024	
Total certificates issued:	705	1781	↑
New licenses issued:	77	128	↑
Renewal licenses issued (recert only):	617	1701	↑
Driver Only:	31	48	↑
Active Certifications: EMT:	905	807	↓
Active Certifications: Advanced EMT:	1834	1879	↑
Active Certifications: Paramedic:	1955	2052	↑
Active Certifications: RN:	60	66	↑

III. OFFICE OF PUBLIC HEALTH PREPAREDNESS (OPHP)

A. Planning and Preparedness

1. Staff continued collaborating with Clark County and a software developer on an Impacted Persons Database. They are currently working through the legal implications of providing patient data to Resiliency Center for extension of services.
2. OPHP continued to review and revise plans, threat response guides, and both internal and external training.
3. OPHP Supervisor presented on responder mental health concerns after a disaster/incident and the Impacted Persons Database at the National Homeland Security Conference in Miami Beach, FL.
4. Planner I completed the Administrative Preparedness Annex.
5. Planners continue to review and revise the CHEMPACK, Nuclear and Radiation, Administrative Preparedness, Mass Care Support, and Highly Infectious Disease plans. They met with Legal to discuss the legal aspects of the preparedness annex.
6. Assistance was provided to the revisions of the COVID AAR.
7. Planners continue to update the Nevada Continuity tool in order to streamline the process of generating a usable Continuity of Operations Plan (COOP). Planner has created a working group to complete the COOP process.
8. Sixty-five SNHD employees were fit tested for personal protective equipment.
9. Planners are currently serving as reviewers for Project Public Health Ready 2024 review cycle.
10. Planners coordinated automation of emergency notification system updates with IT and Human Resources.
11. Planners perpetuated revision of SNHD Basic EOP and Direction and Control Annexes.
12. Received and processed requests for HPP grant funding of emergency response equipment (City of NLV FD, Mountain View Hospital, Summerlin Hospital).
13. Senior Planner continued to review *Aedes aegypti* Invasive Mosquito Plan and Community Reception Center Plan. Planner I began complete rewrite of Emergency Operations Basic Plan.
14. Planners and Senior Administrative Assistant met to discuss methods for updating several upcoming MOUs that will expire within the next year.

B. Training, Exercises and Public Health Workforce Development:

1. Trainers continue to develop Position Specific Task Books and related training curricula. Invitations were sent to SNHD ICS Emergency Personnel for ICS training on October 15th at SNHD's Decatur location.
2. New Hire Orientation for Emergency Preparedness and Security was provided on September 18th for ten (10) SNHD staff members.

3. CPR Training was not provided due to an insufficient number of students completing the online training.
4. Planners conducted the EPA Water Laboratory Alliance Advanced Practice full scale exercise in coordination with Environmental Health, SNPHL, and EPA.
5. The Senior Planner and Clinical Advisor attended the Whole Community Emergency Planning course.
6. Planners completed the COOP After Action Report and held After Action Report Meeting.
7. OPHP Planners attended DSLR PHEP NOFO & Exercise Supplemental Guidance Seminar.
8. Planners continue planning efforts for the March 2025 Extreme Heat Seminar.
9. OPHP Planners attended Common Operating Picture Seminar/Tabletop hosted by City of Henderson Department of Emergency Management.

C. Southern Nevada Healthcare Preparedness Coalition (SNHPC)

1. Trainers and Clinical Advisor confirmed First Receiver Documentation Training on December 4, 2024 with Mountain View Tenaya Hospitals.
2. The trainer consistently promotes the TEEX Medical Preparedness & Response to Bombing Incidents at North Las Vegas OEM February 26th - 27th. TEEX Medical Management of CBRNE Events and Radiological Training for Hospital Personnel tentatively planned for September or October 2025, location TBD.
3. Twenty Hospital Area Command bags for standalone emergency departments assembled. Training for standalone ED staff coordinated with the Fire Department.
4. Hospital Area Command full scale exercises/training conducted with two (2) Henderson area standalone Emergency Departments and Fire Department. Hospital Area Command Mass Casualty Incident Triage bags delivered to those stand-alone EDs.
5. Hospital Area Command full scale exercises/training scheduled for an additional fifteen (15) standalone EDs in early October.
6. Planners and Clinical Advisor, in coordination with Clark County Fire Department, conducted 2 Hospital Area Command drills at freestanding emergency departments (FSED). Will be conducting the rest of the FSEDs in October.
7. Planners and Clinical Advisor are in process of finalizing the Patient Movement and Resource Management Annexes.
8. Trainer, Clinical Advisor and Senior Planner continue to support NDMS/FCC TTX on October 8th and Full Scale Exercise on November 6th.
9. OPHP Manager and Trainer attended NNSS Partner Briefing/Tour at Nellis AFB, Remote Sensing Laboratory on October 18, 2024 to assist with potential radiation exercises and plan development coordination.
10. OPHP staff coordinating review and update of SNHPC Hazard Vulnerability Analysis (HVA), sub-committee meeting set for October 16, 2024 and SME's contacted for input.
11. The SNHPC Meeting was held on September 5, 2024.

D. Fusion Center Public Health Analyst:

1. Coordinated production and distribution of monthly joint fusion center public health bulletin that evaluates threats to public welfare in the Southwestern United States.
2. Disseminated public health information between SNHD and the Southern Nevada Counter Terrorism Center (SNCTC).
3. Provided public health input on threat assessment projects.
4. Represented Las Vegas in weekly meeting with NFL Global Security Operations Center.
5. Review of large venue, special events for public health concerns.
6. Developed appropriate connections to increase communication between SNHD, SNCTC and its partner organizations.
7. Provided SNHD Disease Surveillance and Control with white papers from fusion center sources for situational awareness.
8. Produced a white paper on Mpx clade one (1) for fusion center distribution.
9. Assisted FBI in setting meetings related to on-line juvenile manipulation.
10. Providing SNHD IT management team with relevant threat data from Fusion Center sources.

E. Grants and Administration:

1. OPHP is awaiting Notice of Sub-Awards for FY 2025 and no cost extensions from FY 2024.
2. Hired a new Senior Administrative Assistant who started on August 5th.
3. Manager and Supervisor continue to support special event planning in advance of Formula One Event in November.
4. Manager and City of Las Vegas Emergency Manager co-presented on responding to Southern Nevada and public health emergencies at West Career and Technical Academy's One Health Day, Saturday September 29, 2024.

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

1. MRC Coordinator planned training and activities for upcoming months, sent out newsletters, and continues to recruit and deactivate volunteers.
2. MRC Coordinator attended NACCHO PPAG working group meeting.
3. MRC Volunteers served at SNHD Main and East clinics to help with back-to-school rush, printing vaccine records and offering general help.

MRC Volunteer Hours FY2025 Q1

(Economic impact rates updated April 2024):

Activity	July	August	September
Training			
Community Event			25
SNHD Clinic	35.5	88.25	
Total Hours	35.5	88.25	
Economic impact	\$1,215.40	2,955.49	\$958.47

IV. VITAL RECORDS

- A. September is currently showing a 9.5% increase in birth certificate sales in comparison to September 2023. Death certificate sales currently showing a 12.5% increase in comparison to September 2023. SNHD received revenues of \$30,342 for birth registrations, \$22,048 for death registrations; and an additional \$7,497 in miscellaneous fees.

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

Vital Statistics Services	September 2023	September 2024		FY 23-24 (September)	FY 24-25 (September)	
Births Registered	1,425	2,102	↑	5,370	6,274	↑
Deaths Registered	1,560	1,678	↑	4,864	5,429	↑
Fetal Deaths Registered	13	18	↑	43	48	↑

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

Vital Statistics Services	Sept 2023	Sept 2024		FY 23-24 (Sept)	FY 24-25 (Sept)	
Birth Certificates Sold (walk-in)	43	9	↓	147	26	↓
Birth Certificates Mail	116	122	↑	431	401	↓
Birth Certificates Online Orders	3,061	3,349	↑	12,090	11,139	↓
Birth Certificates Billed	79	135	↑	306	375	↑
Birth Certificates Number of Total Sales	3,299	3,615	↑	12,974	11,941	↓
Death Certificates Sold (walk-in)	8	50	↑	57	79	↑
Death Certificates Mail	155	177	↑	519	567	↑
Death Certificates Online Orders	6,800	7,602	↑	21,115	23,202	↑
Death Certificates Billed	37	46	↑	112	135	↑
Death Certificates Number of Total Sales	7,000	7,875	↑	21,803	23,983	↑

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

Vital Statistics Sales by Source	Sept 2023	Sept 2024		FY 23-24 (Sept)	FY 24-25 (Sept)	
Birth Certificates Sold Valley View (walk-in)	1.2%	.1%	↓	1.1%	.2%	↓
Birth Certificates Mail	3%	3.5%	↑	3.3%	3.4%	↑
Birth Certificates Online Orders	93.9%	94%	↑	93.3%	93.5%	↑
Birth Certificates Billed	1.9%	2.4%	↑	2.3%	2.9%	↑
Death Certificates Sold Valley View (walk-in)	.4%	.3%	↓	.3%	.2%	↓
Death Certificates Mail	2.3%	2.6%	↑	2.5%	2.4%	↓
Death Certificates Online Orders	96.9%	97.1%	↑	96.7%	96.8%	↑
Death Certificates Billed	.4%	.4%		.5%	.6%	↑

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

Revenue	September 2023	September 2024		FY 23-24 (Sept)	FY 24-25 (Sept)	
Birth Certificates (\$25)	\$82,475	\$90,375	↑	\$324,350	\$298,525	↓
Death Certificates (\$25)	\$175,000	\$196,875	↑	\$545,075	\$599,575	↑
Births Registrations (\$13)	\$29,029	\$30,342	↑	\$111,436	\$100,022	↓
Deaths Registrations (\$13)	\$19,721	\$22,048	↑	\$63,024	\$70,005	↑
Convenience Fee (\$2)	\$6,358	\$6,844	↑	\$24,374	\$22,958	↓
Miscellaneous Admin	\$490	\$653	↑	\$1,695	\$2,051	↑
Total Vital Records Revenue	\$313,073	\$347,137	↑	\$1,069,954	\$1,093,136	↑

COMMUNITY HEALTH Passport Program – Fiscal Year Data

B. PASSPORT SERVICES – Passport Services is appointment only.

Applications	September 2023	September 2024		FY 23-24 (Sept)	FY 24-25 (Sept)	
Passport Applications	581	540	↓	2,061	1,785	↓
Revenue	September 2023	September 2024		FY 23-24 (Sept)	FY24-25 (Sept)	
Passport Execution/Acceptance fee (\$35)	\$20,335	\$18,900	↓	\$72,135	\$62,475	↓

V. HEALTH EQUITY

- A. The Health Equity program received a No Cost Extension from the CDC COVID-19 Disparities Grant. This extension aims to enhance infrastructure support for COVID-19 prevention and control among underserved populations at higher risk and undeserved.
 - 1. The program maintains collaborations with SNHD programs and grant subrecipients to plan and coordinate COVID-19 community strategies and events.
- B. The Health Equity Program works toward reducing health disparities through increasing organizational capacity and implementing community strategies.
- C. The Health Equity Program works towards establishing community partnerships and collaborations to increase the capacity of communities to address health disparities.
 - 1. The program continues to collaborate with Al Maun and Golden Rainbow to increase the capacity of the community to address health disparities through their diabetes prevention and Management program and a food distribution program to address food insecurities.

VI. SOUTHERN NEVADA PUBLIC HEALTH LABORATORY (SNPHL)

A. Clinical Testing:

- 1. SNHD Nursing Division:
 - a. Molecular and microbiology culture.
 - b. Sexually Transmitted Disease (STD) testing.
- 2. SNHD STD Department:
 - a. Participates in the CDC Gonococcal Isolate Surveillance Project (GISP) and the enhanced Gonococcal Isolate Surveillance Project (eGISP).
 - b. SNPHL performs NAAT and culture testing of *N. gonorrhoeae* isolates and submits them to a reference laboratory for the determination of antibiotic susceptibility patterns.
 - c. SNPHL has joined eGISP Part B to expand culture-independent testing for antimicrobial resistance genes of gonococcal isolates.

3. The total monthly samples tested are listed in the table below:

Test Name	Monthly Count	Avg Year to Date
GC Cultures	29	42
NAAT NG/CT	1369	1271
Syphilis	775	856
RPR/RPR Titers	136/58	152/68
Hepatitis Total	1597	1264
HIV/differentiated	702/16	655/19
HIV RNA	100	99

4. COVID testing:

- Performed SARS-CoV-2 PCR extraction on the KingFisher Flex platform exclusively.
- SNPHL maintains a capacity of 2000 tests/day with a turnaround-time of <48 hours (current TAT two-day currently at / near goal).
- For September, the average daily testing volume was 35 with an average turnaround time of 49 hours from collection date to release of the report.
- IT created easy patient accession and direct report verification from SNPHL LIMS into SNHD patient report portal.
- Incorporate high throughput instruments such as Eppendorf 5073 automation of specimen fluid handling station.
- The molecular laboratory will add Tecan instrument after installing the updated script for the SARS-CoV-2 WGS procedure. The Tecan contract is subject to review by our contract office due to the unresolved problems.

Monthly summary of COVID PCR/NAAT testing:

Month	# PCR & NAAT/#POS	COVID	# PCR & NAAT/#POS
January	1,144/148	July	716/166
February	1,160/77	August	1560/202
March	680/42	September	731/107
April	204/18	October	
May	115/17	November	
June	365/77	December	

5. Reportable disease reports:

- SNPHL continues to perform routine testing of reportable disease specimens submitted by community stakeholders. Isolates tested are reported to OEDS on a weekly basis to aid in disease investigation, and SNPHL and OEDS coordinate with CDC PulseNet if required.
- A monthly summary of reportable diseases tests is listed as follows:

		Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec	Total
Campylobacter	Campy ID	5	5	2	6	4	2	2	1	3				30
	Campy Screen	11	17	3	15	5	3	4	1	3				62
Neisseria species	Gonorrhoeae Culture	48	85	47	41	24	36	39	28	29				377
	Gram Stain/WBC	0	5	0	0	5	0	0	0	5				15
	Neisseria ID	0	0	0	0	1	1	1	0	0				3
	Haemophilus ID	7	0	2	1	0	0	0	0	0				10
Unknown ID	Bacterial ID	0	0	0	0	0	1	12	0	1				14
	WGS (PulseNet)	29	23	17	30	20	20	18	28	17				202
Salmonella	Salmonella Screen	14	10	12	19	12	15	14	14	11				121
	Salmonella Serotype	13	10	12	16	14	12	11	14	11				113
Shigella	Shigella Screen	10	10	4	10	6	3	3	5	4				55
	Shigella Serotype	7	10	2	3	5	3	2	4	1				37
STEC	STEC Screen	10	2	2	4	1	4	3	7	2				35
	STEC Serotype	1	1	1	0	1	2	1	5	1				13

Unknown	Stool Culture	5	6	2	0	6	0	0	5	5				29
Vibrio	Vibrio ID	0	0	1	0	0	0	0	3	0				4
	Vibrio Screen	0	0	1	3	0	1	0	5	0				10
Yersinia	Yersinia Culture/ID	1	2	1	0	0	0	0	0	1				5

B. Epidemiological Testing and Consultation:

1. SNPHL participates in the SNHD Outbreak Investigation Committee and Foodborne Illness Taskforce. There were zero (0) cases for GI outbreak investigation in September.
2. SNPHL continues to report results of influenza testing to the CDC National Respiratory and Enteric Virus Surveillance System (NREVSS). In September, SNPHL performed 20 respiratory panels on the BioFire.

C. Emergency response and reportable disease isolate testing report:

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

2024	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
Select Agent Rule out (total PCR)	0	0	1	1	2	0	0	0	1			

3. SNPHL is clinically validated for using Whole Genome Sequencing (WGS) for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species. SNPHL is also validated for the determination of Salmonella serotypes and STEC (Shiga toxin-producing E. coli) serotypes and Shiga toxin genes.
4. SNPHL performed 17 Whole Genome Sequencing tests (WGS) as part of PulseNet Foodborne Outbreak Surveillance in September 2024.

5. SNPHL uses Bruker MALDI-TOF instrument for streamlined screening of bacterial isolates. A total # of 127 bacterial organisms have been identified in September.
6. SNPHL is validated for sequencing of SARS-CoV-2 and variants of concern through the identification of lineages and clades.
7. SNPHL has sustained capacity of sequencing many 86 SARS-CoV-2-positive RNA extracts per week with expectations of increasing this capacity with appropriate staffing, instrumentation, and method development. As of September 2024, SNPHL has sequenced 144 SARS-CoV-2-positive RNA extracts.
8. SNPHL is clinically validated for the identification of Campylobacter species (select species), pathogenic Escherichia coli, and Salmonella species. SNPHL is also validated for the determination of Salmonella serotypes and STEC (Shiga toxin-producing E. coli) serotypes and Shiga toxin genes.
9. SNPHL coordinates and participates with Environmental Health and Veritas Labs for Legionella surveillance.

2024	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Legionella	29	6	13	11	58	96	75	37	37			

10. SNPHL provides vector testing for Environmental Services, Viral testing for Zika, West Nile, Western Equine Encephalitis, and Saint Louis encephalitis. Our facility hosted a CDC demonstration for the Vector team. In September, we tested a total of 385 mosquito pool samples. There were zero (0) positive WNV mosquito pool samples identified in September. Environmental Health released the test result to the public after we informed the test result to them.
11. As part of the Gonococcal Isolation Surveillance Program (GISP) and enhanced GISP (eGISP), in September, a total of 15 clinical isolates, Neisseria gonorrhoeae nine (9) isolates and Neisseria meningitidis one (1) isolate, were collected and will be sent to either the regional laboratory for antimicrobial susceptibility testing (AST) or the CDC, respectively. Remnant NAATs or N. gonorrhoeae samples will be sent to the CDC for molecular-based AST testing as part of eGISP Part B.
12. SNPHL performs C. auris PCR screening using Real-Time PCR platform. We performed a total of 606 samples in September.

D. All-Hazards Preparedness:

1. SNPHL provides / assists testing for SNHD COVID Emergency Incident Response, local community outreach, CCDC jail-detention centers, institutions of higher education, and long-term nursing facilities Rapid-Antigen POC (CDC-EUA: Abbott IDNow; Qiagen Sofia; BD Vector) with outbreak confirmation RT-PCR testing supported by SNPHL.
2. SNPHL provides COVID Biosafety Training/Guidelines to Non-Traditional testing sites.
3. SNPHL coordinates with training/exercises for First Responders including local Civil Support Team, HazMat, Federal Bureau of Investigation, and Las Vegas Metropolitan Police Department.
4. SNPHL provides information to local laboratorians on CDC packaging and shipping infectious substances and the chain of custody procedures.
5. Provided onsite training for COVID online ordering applications for long-term care facilities.
6. Supplied Biosafety Guidance to Sentinel Sites regarding Monkeypox.
7. Furnished Monkeypox and Bivalent COVID Booster vaccination to laboratory staff.
8. Perpetual Biosafety Training and guidance to SNPHL personnel.

E. September 2024 SNPHL Activity Highlights:

1. SNPHL has a stable CDC supply of Viral Transport Medium (VTM) used in COVID collection kits.
2. Passed the proficiency test with CAP GIP-B 2024 GI BioFire Molecular Lab, 100% graded.
3. The clinical health laboratory purchased three (3) instruments for clinical testing to enhance the community health service. SNPHL received the urine analysis and Hematology instruments. The validation for both instruments is being performed right now. The contract for clinical chemistry instruments is under development in the Contract Office.
4. The Board of Health has approved the petition to purchase a Clinical Chemistry instrument. The instrument will deliver to SNPHL on October 28, 2024.
5. According to the WGS and genomic data analysis, the Omicron variant KP.3.1.1 and KP.3.3 lineages are domain lineages in September, from the samples received in the laboratory. The new hybrid lineage XEC also detected in the late of August till present. Our laboratory will keep sequencing the closed contact samples to help ODS to follow up on the investigation.
6. New influenza surveillance season just started in September. According to the data of influenza surveillance in the past flu season, the A/H3 and A/H1, and B/Victoria are major subtypes of influenza and the percentage of the ratio between the three subtypes are 47%, 29%, and 24%, respectively.

7. SNPHL participates in the CDC Avian Flu surveillance project by sending the testing guidance and specimen collection procedure to the local hospitals through HAN system. Any ICU patient with influenza A positive must send the specimen to our laboratory to do influenza subtyping in order to rule out avian influenza. There was no suspect avian flu sample received in the lab in September.
8. The new design may focus on building BSL-3 and Micro lab in the 2nd floor and leave semi shell for the first floor in the Phase I project.
9. No Dengue was detected from Mosquito pool samples since early July 2024.
10. Outreach, the new electronic ordering system, formally GOLIVE on Wednesday, May 8th. We follow our schedule to visit the hospitals and long-term care facility onsite to introduce our system and provide the technical support for our clients.

F. COMMUNITY HEALTH – SNPHL – Calendar Year Data

September SNPHL Services	2023	2024	
Clinical Testing Services ¹	4,963	5,439	↑
Epidemiology Services ²	664	337	↓
State Branch Public Health Laboratory Services ³	0	0	↓
All-Hazards Preparedness Services ⁴	8	6	↓
Environmental Health Services ⁵	725	423	↓

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

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

³ Includes COVD PCR, WGS, and LRN testing, proficiency samples, reporting to CDC, courier services, infectious substance shipments, teleconferences, training, presentations and inspections, samples submitted to CDC or other laboratories' submissions.

⁴ Includes Preparedness training, teleconferences, and Inspections.

⁵ Includes vector testing.