



Memorandum

Date: February 4, 2022

To: Southern Nevada District Board of Health

From: Cassius Lockett, PhD, *Director of Disease Surveillance & Control* *CL*
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Subject: Disease Surveillance & Control Division Monthly Activity Report – January 2022

I. OFFICE OF DISEASE SURVEILLANCE (ODS)

A. Surveillance and Investigations

1. Number of Confirmed and Probable Cases of Selective Illnesses Reported

	Jan 2021	Jan 2022		FYYTD 20-21	FYYTD 21-22	
Sexually Transmitted						
Chlamydia	1019	805	↓	7770	6620	↓
Gonorrhea	598	428	↓	4000	3803	↓
Primary Syphilis	21	5	↓	142	146	↑
Secondary Syphilis	37	11	↓	234	212	↓
Early Non-Primary, Non-Secondary ¹	59	10	↓	280	332	↑
Syphilis Unknown Duration or Late ²	77	27	↓	553	712	↑
Congenital Syphilis (presumptive)	5	2	↓	29	18	↓
Moms and Babies Surveillance						
HIV Pregnant Cases	3	1	↓	18	9	↓
Syphilis Pregnant Cases	11	7	↓	73	116	↑
Perinatally Exposed to HIV	0	3	↑	4	10	↑
¹ Early Non-Primary, Non-Secondary= CDC changed the case definition from Early Latent Syphilis to Early Non-Primary, Non-Secondary ² Syphilis Unknown Duration or Late=CDC changed the case definition from Late Latent Syphilis to Syphilis Unknown Duration or Late						
Vaccine Preventable						
Haemophilus influenzae, invasive disease	1	1	→	1	1	→
Hepatitis A	1	0	↓	1	0	↓
Hepatitis B, acute	3	0	↓	3	0	↓
Hepatitis B, chronic	37	52	↑	37	52	↑

	Jan 2021	Jan 2022		FYTD 20-21	FYTD 21-22	
Influenza	12	10	↓	12	10	↓
Enteric Illness						
Campylobacteriosis	3	4	↑	3	4	↑
Cryptosporidiosis	2	1	↓	2	1	↓
Giardiasis	4	4	→	4	4	→
Rotavirus	0	2	↑	0	2	↑
Salmonellosis	13	6	↓	13	6	↓
Shiga toxin-producing Escherichia coli (STEC)	2	1	↓	2	1	↓
Shigellosis	2	1	↓	2	1	↓
Other						
Coccidioidomycosis	15	9	↓	15	9	↓
Hepatitis C, acute	0	1	↑	0	1	↑
Hepatitis C, chronic	333	172	↓	333	172	↓
Invasive Pneumococcal Disease	11	29	↑	11	29	↑
Lead Poisoning	15	9	↓	15	9	↓
Legionellosis	1	0	↓	1	0	↓
Lyme Disease	1	0	↓	1	0	↓
Meningitis, aseptic	3	0	↓	3	0	↓
RSV	4	324	↑	4	324	↑
Streptococcal Toxic Shock Syndrome (STSS)	2	2	→	2	2	→
New Active TB Cases Counted (<15 yo)	0	0	→	0	0	→
New Active TB Cases Counted (>= 15 yo)	0	0	→	4	0	↓

2. Number of Cases Investigated by ODS

Monthly DIIS Investigations CT/GC/Syphilis/HIV/TB	Contacts	Clusters ¹	Reactors/ Symptomatic/ Xray ²	OOJ/ FUP ³
Chlamydia	41	0	54	1
Gonorrhea	35	1	97	0
Syphilis	51	1	134	1
HIV/AIDS (New to Care/Returning to Care)	17	0	56	1
Tuberculosis	21	0	8	2
TOTAL	165	2	349	5

¹ Clusters= Investigations initiated on named clusters (clusters= named contacts who are not sex or needle sharing partners to the index patient)
² Reactors/Symptomatic= Investigations initiated from positive labs or reported symptoms
³ OOJ= Investigations initiated Out of Jurisdiction reactors/partners/clusters
 Fup= Investigations initiated to follow up on previous reactors, partners, or clusters

Monthly DIIS Investigations Other Communicable Diseases				
Confirmed Case (Clinical and Lab Required)	Confirmed Case (Lab Only)	Full Investigation	OOJ with Investigation	OOJ without Investigation
79	45	29	0	0

3. COVID-19 Specific Staffing and Response

a. Contact Tracers (CTs) – SNHD

1. SNHD staff, Current Total: 50

i. Lead CTs – 8

ii. Contact Tracers; investigators and outreach – 42

2. Contracted Contact Tracers, Current Total: 250

i. CSAA team of 100

ii. CSAA team of 150

b. Testing

1. 50% of team working the College of Southern Nevada (CSN) (3 sites) outreach testing on any testing day, overall >80% CTs rotating to testing sites.

2. 6% assisting SNHD with in-house clinical testing at METS clinic.

c. Contact Tracing/Outreach

1. School Team – A dedicated team of Contact Tracers who have been assigned to support the schools and are currently scheduled onsite at CCSD and will remain indefinitely to support CCSD response.

2. Priorities – CTs prioritize outbreak reports, and reports of multiple cases in settings of high-risk transmissions and vulnerable populations. This may include, but is not limited to, *CCDC, homeless shelters, daycares, and congregate settings.*

4. Disease and Outbreak Investigations

a. Influenza surveillance for Clark County, Nevada includes data collected from local acute care hospitals and other healthcare providers. In Clark County, for the season as of 1/22/2022, 31 influenza-associated hospitalizations and 3 deaths associated with influenza have been reported. The percentage of emergency room (ER) and urgent care clinic visits for ILI declined to 3.5% in week 3. Approximately 35% of area ER and urgent care clinic visits for ILI were made by adults 18-44 years of age. Influenza A has been the dominant type circulating.

b. 2019 Novel Coronavirus (COVID-19): As of January 31, Clark County had 476,590 cases; 6,945 deaths, and 104 cases of MIS-C (Multisystem Inflammatory Syndrome in Children). The Health District continues to utilize the Incident Command System to

expand our efforts in COVID-19 response and gain access to additional staffing and resources. The Health District continues to meet with Clark County emergency managers, Fire, EMS, School Officials, hospital emergency response and infection control staff to communicate the current response and plan for continued partnership. The Office of Disease Surveillance (ODS) at the SNHD is receiving and following up on reports of confirmed illness, conducting disease investigations, contact tracing, and working with local medical providers to determine levels of risk and recommended actions for anyone who may be ill or exposed. ODS is making recommendations of isolation and quarantine for individuals that are diagnosed with COVID-19 or have been identified as exposed to someone with COVID-19. Currently SNHD has contact tracers including staff from SNHD, CSAA and other partnering agencies responding to reports of positive cases and maintain community testing sites, and strike teams for testing. This is an ongoing response effort.

- c. COVID-19 Omicron Variant: The Southern Nevada Health District responded to Nevada's first confirmed case of COVID-19 caused by the Omicron BA.2 subvariant on January 27, 2022. The individual who tested positive was a female in her 40s and had three doses of vaccination. The individual did have travel outside of the US.

5. Non-communicable Reports and Updates

- a. Naloxone Training: SNHD is training and distributing naloxone (Narcan) to first responders and members of key community sectors throughout Nevada to better respond to the large-scale burden of opioid overdoses. SNHD is receiving naloxone via State Targeted Response funding through the Center for the Application of Substance Abuse Technologies (CASAT) at the University of Nevada, Reno. ODS has implemented a policy for SNHD staff to carry and administer Naloxone. ODS has also been given permission at the Clark County Detention Center to place Naloxone in a person's property at the facility.

The following Naloxone trainings/distributions have taken place in the month of January:

01/12/22 – Mesquite Police Department (15 doses distributed)

01/24/22 – Las Vegas Municipal Court (6 trained, 12 doses distributed)

- b. Overdose Data to Action Grant (ODTA): The ODTA team has been creating materials and a video demonstrating how to use the fentanyl test strips. This training will be used for both internal and external stakeholders to ensure those providing test strips in the community provide education around the proper use of fentanyl test strips. The L2A team has been reaching out to community partners in rural Clark County to identify locations within areas such as Mesquite and Boulder City where mobile services would be best utilized. These conversations are in the planning phase with the goal to provide substance use linkage services at least quarterly to identified sites. The L2A team recently participated in North Las Vegas' first pop up

mobile support services for the homeless and housing challenged within their city limits. Going forward, the L2A team will be participating in this effort monthly.

B. Prevention - Community Outreach/Provider Outreach/Education

Ongoing promotion of Collect2Protect (C2P) online service for those requesting testing for gonorrhea, chlamydia, and HOME HIV test kits. ODS continues to work with OOC to help promote C2P on SNHD web sites, social media and with the help of community partners. Promotion has ended with the current funding opportunity for RTC Collect 2 Protect campaign for bus wraps and bus stop shelters. The Center, Huntridge Family Clinic and AHF continue to offer ongoing HIV/STD, PrEP/PEP, and rapid stART services to the community.

Express Testing in SHC/Annex A services continues to do well. Walk in Services have resumed making it much easier for the community to access services with limited barriers. Outreach events this month include Hawks Gym and Fun Hog Ranch Bar. Both events are ongoing monthly targeting MSM. HIV and syphilis testing are offered along with information on PrEP/PEP and condoms. ODS staff work with the managers of the businesses to help promote prior to the outreach event.

C. High Impact HIV/STD/Hepatitis Screening Sites

Testing is currently being offered at Trac-B for HIV and Hep C. Also, The Center is offering screenings for HIV, Hep C, Gonorrhea, Chlamydia and Syphilis to the community Mon-Thurs from 1pm-5pm and every Saturday from 9am-2pm. AHF is also offering HIV and STD screenings at their Wellness clinic locations on Mondays, Wednesdays, and Fridays, and on their MTU.

Office of Disease Surveillance- HIV Prevention Screening/Testing Efforts						
Prevention - SNHD HIV Testing	Jan-21	Jan-22		FY 20-21	FY 21-22	
Outreach/Targeted Testing	690	463	↓	4824	6232	↑
Clinic Screening (SHC/FPC/TB)	358	175	↓	1997	1516	↓
Outreach Screening (Jails, SAPTA)	4	25	↑	276	370	↑
TOTAL	1052	663	↓	7097	8118	↑
Outreach/Targeted Testing POSITIVE	4	4	→	32	49	↑
Clinic Screening (SHC/FPC/TB) POSITIVE	1	0	↓	7	5	↓
Outreach Screening (Jails, SAPTA) POSITIVE	0	0	→	1	2	↑
TOTAL POSITIVES	5	4	↓	40	56	↑

D. Staff Facilitated/Attended the following Trainings/Presentations

- 01/06/2022: Rogich Middle School parent presentation on Substance Misuse Conversations facilitated by ODS Health Educator; 7 people in attendance; 1 SNHD ODS staff attendee.
- 01/07/2022: Clark County Children's Mental Health Consortium (CCCMHC) meeting; ~40 people in attendance from multiple agencies; 1 SNHD ODS staff attendee.

3. 01/07/2022: Public Health Vending & Naloxone Training facilitated by 2 ODS Health Educator Staff; 21 people in attendance; 2 SNHD ODS staff attendees.
4. 01/07-08/2022: Southern Nevada HIV Prevention Planning Group Meeting facilitated by ODS Health Educator staff; 24 people in attendance from multiple agencies; 3 SNHD ODS staff attendees.
5. 01/11/2022: Nevada Goes Fall Free Consortium (NGFFC) quarterly meeting; ~8 people in attendance from multiple agencies; 1 SNHD ODS staff attendee.
6. 01/13/2022: "Motivational Interviewing Training" facilitated by ODS Health Educator Staff; 7 people in attendance; 1 SNHD ODS staff attendee.
7. 01/13/2022: "Mental Health in Corrections Training" facilitated by ODS Health Educator Staff; 6 people in attendance; 5 SNHD ODS staff attendees.
8. 01/13/2022: "Harm Reduction 101 Training" facilitated by 2 ODS Health Educator Staff; ~8 people in attendance; 5 SNHD ODS staff attendees.
9. 01/18/2022: Child Death Review (CDR) Board virtual meeting; ~45 people in attendance from multiple agencies; 2 SNHD ODS staff attendees.
10. 01/18/2022: Public Health Vending and Naloxone training facilitated by 2 ODS staff; 18 people in attendance.
11. 01/19/2022: Prevention, Advocacy, Choices, Teamwork (PACT) Coalition Meeting facilitated by the PACT Coalition Staff; ~42 people in attendance; 4 SNHD ODS staff attendees.
12. 01/19/2022: Statewide Substance Use Working Group Initiative (SURG); ~25 people in attendance; 2 SNHD ODS staff attendees.
13. 01/25/2022: "SafeTALK Suicide Prevention" training facilitated by ODS Health Educator Staff; 12 people in attendance; 4 SNHD ODS staff attendees.
14. 01/25/2022: Nevada Townhall World Café Facilitator Training moderated by Government Event Services; 3 people in attendance; 1 SNHD ODS staff attendee.
15. 01/26/2022: Nevada Minority Health and Equity Coalition Partners Meeting attended by one ODS Health Educator Staff as a representative.
16. 01/26/2022: Las Vegas Transitional Grant Area (TGA) Ryan White Planning Council & Resource Allocation (PSRA) attended by 4 ODS Staff.
17. 01/27/2022: State of Nevada Opioid Response Collaboration Meeting facilitated by State of Nevada Overdose Data to Action (ODTA) team; ~40 people in attendance; 2 SNHD ODS staff attendees.
18. 01/27/2022: Opioid Overdose Townhall Meeting facilitated by State of Nevada ODTA team and ODS Health Educator; ~45 people in attendance; 2 SNHD ODS staff attendee.
19. 01/27/2022-01/28/2022: "Empower Change: Rapid HIV Testing and Counseling Training Program" facilitated by 2 ODS Health Educator staff and 1 ODS staff; 17 people in attendance from multiple agencies; 3 SNHD ODS staff attendee.

20. 01/28/2022: Public Health Vending and Naloxone Training facilitated by 2 ODS Health Educators; 48 people in attendance; 3 SNHD ODS staff attendees.
21. 01/31/2022: Victim Assistance Academy of Nevada (VAAN) academically based 40-hour training and certification; 35 participants from multiple agencies representing victim advocates and assistants; 1 SNHD ODS staff attendee.
22. 01/31/2022: Southern Nevada Harm Reduction Alliance Meeting facilitated by SNHRA; 7 people in attendance; 4 SNHD ODS staff attendees.

E. Other

Communicable Disease Statistics: December 2021 disease statistics are attached (see Table 1).

II. OFFICE OF PUBLIC HEALTH INFORMATICS (OPHI)

1. Continue to maintain and enhance Trisano disease surveillance system.
2. Continue to maintain and enhance Electronic Message Staging Area (EMSA) systems, and updated EMSA to process Coronavirus ELRs.
3. 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. Informatics is also assisting with the changes that need to be made to the LIMS to accommodate new instruments and testing offered by the Clinical Laboratory.
4. Assist SNPHL to develop COVID-19 interface between instruments, COVID-19 POD app and Orchard, COVID-19 testing and reporting as needed.
5. Work with IT to implement and maintain the Electronic Health Record (EHR) system for COVID-19 test ordering and COVID-19 vaccination. Working on import COVID-19 testing demographic data from POC application into eCW.
6. Continue to work on CDC Influenza SARS-CoV-2 multiplex assay, CDC Subtyping, and CDC Genotyping order mapping.
7. Assist Office of Epidemiology and Office of Disease Surveillance (OEDS), Office of EMS/Trauma System, Environmental Health (EH), Clinic Services with various data requests, data exports, and report generation.
8. Continue to enhance the iCircle web application for OEDS by adding new form for STD TracB site questions, and transmission of STD, HIV and Hepatitis testing data to CDC, and enhance a QA process between iCircle with eCW data.
9. Continue to support Clark County Coroner's Office (CCCO) on new CME implementation, data requests and reports.
10. Continue to work with OEDS on SVM projects.
11. Enhance COVID-19 surveillance by automating COVID-19 hospitalization notification, and extract demographics, lab tests and treatment information from HIE CCDs for public health surveillance.
12. Completed interface between COVID-19 POD App to eCW.
13. Maintain and update COVID-19 dashboard, COVID-19 maps, lab testing and ED admission trend analysis and other urgent data requests.

14. Maintain automated COVID-19 patient notification application and perform QA for contact tracing and identification.
15. Maintain and enhance COVID-19 lab results portal to include NSPHL overflow test results. Clients can access their results online.
16. Maintain applications to automate COVID-19 contacts upload for contact tracing and testing referral and produce COVID-19 DECIPHER report.
17. Continue working on EpiTrax migration from Trisano and address issues identified from UAT test. Testing Pentaho reports from EpiTrax data warehouse.
18. Enhance Syndromic Surveillance System for the Early Notification of Community Based Epidemics (ESSENCE) for new providers and future support.
19. Onboarded 15 providers from backlog for COVID-19 test reporting.
20. Continue weekly meetings with NV HIE for improving COVID-19 race/ethnicity collection and reporting.
21. Continue meeting with UNLV for COVID-19 data geocoding, analysis and reporting. A new workplan was proposed by UNLV.
22. Completed EL2HS Budget Revision and annual Office Budget for submission.
23. Completed various reports including the Suicide report to HHS; Motor Vehicle Accident report to DPS; PHEP Grant report; Finance A/R Report; Health Disparity Quarterly Grant report; Annual Immunization report; Homeless deaths report to DFS; HPV Report for FQHC; 2021 Fentanyl deaths for outside requests.
24. Worked with IT to debug Trisano API issue of server going down. Transitioned API and Forms Admin to new server.
25. Worked with Epi office to improve grant reporting process for Yale project.
26. Completed coordination of Health Disparity Grant with the state.
27. Worked with Clinic Services on Uniform Data System (UDS) Reporting for 2022 submission.