



Memorandum

Date: May 5, 2022

To: Southern Nevada District Board of Health

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

A. Division of Disease Surveillance and Control

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

	April 2021	April 2022		FYYTD 20-21	FYYTD 21-22	
Sexually Transmitted						
Chlamydia	1179	947	↓	11273	10110	↓
Gonorrhea	564	507	↓	5852	5565	↓
Primary Syphilis	28	9	↓	213	205	↓
Secondary Syphilis	43	13	↓	364	314	↓
Early Non-Primary, Non-Secondary ¹	64	24	↓	448	504	↑
Syphilis Unknown Duration or Late ²	107	46	↓	825	1085	↑
Congenital Syphilis (presumptive)	7	1	↓	37	33	↓
Moms and Babies Surveillance						
HIV Pregnant Cases	6	3	↓	30	20	↓
Syphilis Pregnant Cases	17	13	↓	120	179	↑
Perinatally Exposed to HIV	0	2	↑	6	13	↑
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	0	1	↑	1	5	↑
Hepatitis A	0	0	→	1	2	↑
Hepatitis B, acute	2	1	↓	5	9	↑
Influenza	11	138	↑	32	279	↑
Enteric Illness						
Campylobacteriosis	13	5	↓	39	20	↓

	April 2021	April 2022		FYTD 20-21	FYTD 21-22	
Cryptosporidiosis	0	2	↑	4	5	↑
Giardiasis	2	2	→	14	15	↑
Rotavirus	1	36	↑	4	81	↑
Salmonellosis	9	6	↓	50	39	↓
Shiga toxin-producing Escherichia coli (STEC)	3	2	↓	11	28	↑
Shigellosis	6	2	↓	19	8	↓
Other						
Coccidioidomycosis	13	2	↓	55	31	↓
Hepatitis C, acute	0	0	→	1	2	↑
Invasive Pneumococcal Disease	11	17	↑	46	73	↑
Lead Poisoning	8	3	↓	38	43	↑
Legionellosis	1	1	→	6	7	↑
Lyme Disease	1	0	↓	3	1	↓
Meningitis, aseptic	1	0	↓	14	3	↓
Streptococcal Toxic Shock Syndrome (STSS)	2	2	→	9	4	↓
New Active TB Cases Counted (<15 yo)	0	0	→	0	0	→
New Active TB Cases Counted (>= 15 yo)	0	0	→	3	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	48	0	90	0
Gonorrhea	41	0	149	0
Syphilis	64	4	193	0
HIV/AIDS (New to Care/Returning to Care)	10	0	45	0
Tuberculosis	58	0	15	0
TOTAL	221	4	492	0

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

3. COVID-19 Specific Staffing and Response

- a. Contact Tracers (CTs) – SNHD
 - i. SNHD staff, Current Total: 41
 - 1. Lead CTs – 7
 - 2. Contact Tracers; investigators and outreach – 34
 - ii. Contracted Contact Tracers, Current Total: 100
 - 1. CSAA team of 100

- b. Testing
 - i. Contact tracing team continues to work the College of Southern Nevada (CSN) (3 sites) outreach testing on any testing day, overall >80% CTs rotating to testing sites
 - ii. CT Team continues to assist SNHD with in-house clinical testing at METS clinic
 - iii. Strike teams for testing are deployed for outbreak and clusters identified
 - c. Contact Tracing/Outreach/Outbreak investigations
 - i. School Team – A dedicated team of Contact Tracers who have been assigned to support the schools and work closely with CCSD and other local schools.
 - ii. 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, detention centers, homeless shelters, daycares, and congregate settings.
4. Disease and Outbreak Investigations
- a. **Influenza:** 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 4/23/2022, 280 influenza-associated hospitalizations and 8 deaths associated with influenza have been reported. The percentage of emergency room (ER) and urgent care clinic visits for ILI decreased to 3.8% in week 16. Approximately 30% of area ER and urgent care clinic visits for ILI were made by children 0-4 years of age. Influenza A has been the dominant type circulating. 2021-2022 influenza season will end on 5/21/2022.
 - b. **2019 Novel Coronavirus (COVID-19):** As of April 30, Clark County had 512,329 cases; 8,446 deaths, and 109 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 Variants:** The Southern Nevada Health District continues to monitor for new and/or emerging variants.
- d. **THC Investigation:** DSC is investigating reports of THC toxicity among patrons that consumed food or drink from a local restaurant. Symptoms being reported include hallucinations, tachycardia, blurry vision, confusion, dry mouth, numbness or tingling in extremities, and loss of consciousness. Some of the ill sought medical attention and tested positive for THC, denying any marijuana use 30 days prior to their test. Multiple dishes tested through Las Vegas Metro Police Department were positive for THC. The restaurant is now reopened. SNHD's final report is pending internal reviews.
- e. **Norovirus Investigation:** ACDC continues to investigate Norovirus outbreaks at local schools. The reported symptoms included nausea, vomiting, abdominal pain, fever, and diarrhea. Two additional investigations have been completed and with confirmed Norovirus cases found in each. These investigations are now closed.
- f. **Lucky Charms:** ACDC is monitoring reports of illness associated with consumption of Lucky Charms cereal.
- g. **Hepatitis of Unknown Cause:** ACDC worked with Informatics to identify any reported adenovirus cases that met criteria for further investigation. SNHD has had 0 reported cases. ACDC continues to participate in CDC calls and monitor for possible cases.

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 April:

4/4/22 - NDOC Transitional Housing (8 trained, 100 doses distributed)

4/8/22 – NDOC Transitional Housing (8 trained, 100 doses distributed)

4/25/22 – Recover Together (1 trained, 6 doses distributed)

6. 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. 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 are monthly recurring events 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. This month we observed and promoted National STD Awareness Week and National Transgender HIV Testing Day. ODS worked with OOC to promote HIV/STI testing, PrEP/PEP education and local resources specific to the Trans community. We collaborated with the SHC to promote Express Testing and the Collect2Protect project. The campaign we utilized was through the CDC's **GYT: Get Yourself Tested** campaign. The campaign encourages young people to get tested and treated for STDs and HIV to protect their health and that of their partners. STDs affect people of all ages, yet these diseases take a particularly heavy toll on young people. The GYT campaign highlights the idea that preventing, testing for, and treating STDs is very straightforward. The campaign offers streamlined materials to help focus efforts on STD awareness, prevention, testing, and treatment among young people. In addition, we observed National Transgender HIV Testing Day (NTHTD) which is observed each year on April 18 and recognizes the importance of routine HIV testing, status awareness, and continued focus on HIV prevention and treatment efforts in people who are transgender or gender nonbinary. Both observances were supported with a press release, media advisory and social media.

B. 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 Monday-Thursday from 1pm-5pm and every Saturday from 9am-2pm. AHF is also offering HIV and STD screenings at their Wellness clinic locations on Monday, Wednesday, and Friday, and on their MTU.

Office of Disease Surveillance- HIV Prevention Screening/Testing Efforts						
Prevention - SNHD HIV Testing	April-21	April-22		FY 20-21	FY 21-22	
Outreach/Targeted Testing	834	338	↓	7455	8598	↑
Clinic Screening (SHC/FPC/TB)	371	165	↓	3322	2203	↓
Outreach Screening (Jails, SAPTA)	98	77	↓	557	560	↑
Collect2 Protect	3	0	↓	30	167	↑
TOTAL	1306	580	↓	11364	11528	↑
Outreach/Targeted Testing POSITIVE	7	1	↓	54	69	↑
Clinic Screening (SHC/FPC/TB) POSITIVE	5	0	↓	16	9	↓
Outreach Screening (Jails, SAPTA) POSITIVE	1	0	↓	2	3	↑
Collect2 Protect POSITIVE	0	0	→	0	1	↑
TOTAL POSITIVES	13	1	↓	72	82	↑

C. Staff Facilitated/Attended the following Trainings/Presentations

1. 04/01/2022: "Empower Change Training" facilitated by ODS Health Educator, 8 people in attendance, 3 SNHD ODS staff attendees.
2. 04/01/2022: Clark County Children's Mental Health Consortium (CCCMHC) meeting attended by ODS Health Educator Staff as representative; ~35 people in attendance from multiple agencies; 1 SNHD ODS staff attendee.
3. 04/05/2022: Nevada PrEP Institute presentation on "Southern Nevada PrEP Landscape" for the session "Ending the current HIV Epidemic in Nevada: How does PrEP Fit in?" attended by 1 SNHD ODS Health Educator; ~50 people in attendance.
4. 04/06/2022: Public Health Detailing training - Congenital Syphilis for SNHD FQHC with 4 UNLV School of Nursing NURS350 students and 1 UNLV instructor; 23 people in attendance; facilitated by 1 ODS Health Educator.
5. 04/11/2022: "Fentanyl Test Strip Training" facilitated by ODS Health Educator; 3 People in attendance; 2 ODS Health Educator attendees.
6. 04/13/2022: Clark County Children's Mental Health Consortium (CCCMHC) Public Awareness Workgroup meeting attended by ODS Health Educator Staff as a representative; 12 people in attendance from multiple agencies; 1 SNHD ODS staff attendee.
7. 04/14/2022: "Motivational Interviewing Training" facilitated by ODS Health Educator Staff; 5 people in attendance; 2 SNHD ODS staff attendees.
8. 04/18/2022 - 04/21/2022: 2022 Rx and Illicit Drug Summit in Atlanta, Georgia; ~3,500 people in attendance; 3 SNHD DSC staff attended.
9. 04/19/2022: "Governor Sisolak's Nevada Provider Health Care Summit" attended by ODS Health Educator Staff as a representative; ~700 people in attendance; 2 SNHD ODS staff attendees.
10. 04/20/2022: "Media Training" facilitated by SNHD Office of Communications; 10 people in attendance; 3 SNHD ODS staff attendees.
11. 04/26/2022: "SafeTALK Suicide Prevention" training facilitated by ODS Health Educator Staff; 17 people in attendance; 2 SNHD ODS staff attendees.
12. 04/26/2022-04/29/2022: INFORM: Integrated Foodborne Outbreak Response and Management conference, sponsored by NEHA attended by 5 ACDC staff.
13. 04/27/2022: TB Cohort Review presented by SNHD staff; ~34 people in attendance (including 21 SNHD staff).
14. 04/28/2022: "Harm Reduction 101" training facilitated by ODS Health Educator; 20 people in attendance; 4 SNHD ODS Health Educators staff attendees.

D. Other

Communicable Disease Statistics: March 2022 disease statistics are attached (see Table 1).

OFFICE OF PUBLIC HEALTH INFORMATICS (OPHI)

- A. Continue to maintain and enhance Trisano disease surveillance system.
- B. Continue to maintain and enhance Electronic Message Staging Area (EMSA) systems, and updated EMSA to process Coronavirus ELRs.
- C. 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.
- D. Assist SNPHL to develop COVID interface between instruments, COVID POD app and Orchard, COVID testing and reporting as needed.

- E. Work with IT to implement and maintain the Electronic Health Record (EHR) system for COVID test ordering and COVID vaccination. Working on import COVID testing demographic data from POC application into eCW.
- F. Continue to work on CDC Influenza SARS-CoV-2 multiplex assay, CDC Subtyping, and CDC Genotyping order mapping.
- G. 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.
- H. 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.
- I. Continue to support Clark County Coroner's Office (CCCO) on new CME implementation, data requests and reports.
- J. Continue to work with OEDS on SVM projects.
- K. Enhance COVID19 surveillance by automating COVID19 hospitalization notification, and extract demographics, lab tests and treatment information from HIE CCDs for public health surveillance.
- L. Continue working with Wellpartner on prescription notification from eCW. Encounter reports completed.
- M. Worked with Epi team and completed the automation to update Trisano for COVID death reporting.
- N. Maintain and update COVID19 dashboard, COVID19 maps, lab testing and ED admission trend analysis and other urgent data requests.
- O. Maintain automated COVID19 patient notification application and perform QA for contact tracing and identification.
- P. Maintain and enhance COVID19 lab results portal to include NSPHL overflow test results. Clients can access their results online.
- Q. Maintain applications to automate COVID19 contacts upload for contact tracing and testing referral and produce COVID19 DECIPHER report.
- R. Continue working on EpiTrax migration from Trisano and address issues identified from UAT test.
- S. Continue to work with state on DMI project including eCR onboarding and RCKMS training.
- T. Enhance Syndromic Surveillance System for the Early Notification of Community Based Epidemics (ESSENCE) for new providers and future support. New Hospital added.
- U. Onboarded 2 new providers for COVID-19 test reporting.
- V. Continue bi-weekly meetings with NV HIE for improving COVID19 race/ethnicity collection and reporting.
- W. Completed contract amendment for UNLV COVID19 contract.
- X. Discussed work plan with Clark county for RWCQM grant.
- Y. Completed various reports including: Lab report; Focus report; Homeless Interviews report; UDS Report; Heat related deaths report; GISP/eGISP Report;
- Z. Continue to work with Epi office in the Yale project for case conferencing.
- AA. Work with the state to analyze discrepancy of COVID cases reported by State and SNHD.

BB. Completed PHEP and Health Disparity grant quarterly reports

Table 1



March 2022: Clark County Disease Statistics*

Disease	2020		2021		2022	
	March	YTD	March	YTD	March	YTD
VACCINE PREVENTABLE						
Haemophilus influenzae, invasive	6	8	0	1	2	4
Hepatitis A	0	10	0	1	1	2
Influenza	94	852	6	21	99	138
Meningococcal disease (<i>N. meningitidis</i>)	0	1	0	0	0	0
Pertussis	2	6	0	0	7	15
SEXUALLY TRANSMITTED						
Chlamydia	1084	3404	1258	3347	1033	2925
Gonorrhea	336	1208	641	1894	555	1548
Syphilis (Early non-primary, non-secondary)	25	92	56	163	49	147
Syphilis (Primary & Secondary)	59	169	64	188	46	152
CONGENITAL CONDITIONS						
Hepatitis C, Perinatal Infection	0	0	0	1	0	0
Congenital Syphilis	2	12	1	6	3	12
ENTERICS						
Amebiasis	0	3	1	1	0	0
Campylobacteriosis	7	23	11	26	5	15
Cryptosporidiosis	0	4	0	4	2	3
Giardiasis	1	9	5	12	2	13
Rotavirus	2	12	2	3	28	45
Salmonellosis	10	30	15	41	10	34
Shiga toxin-producing <i>E. coli</i> (STEC)	0	8	4	8	11	26
Shigellosis	2	13	5	13	1	6
Vibriosis (Non-cholera <i>Vibrio</i> species infection)	0	2	0	0	0	0
Yersiniosis	0	2	1	1	1	2
OTHER						
Coccidioidomycosis	13	35	14	42	6	30
Exposure, Chemical or Biological	0	0	0	1	1	1
Invasive Pneumococcal Disease	26	102	11	35	14	56
Lead Poisoning	11	44	8	30	16	38
Legionellosis	3	11	3	5	0	6
Listeriosis	0	0	0	0	0	1
Lyme Disease	0	2	1	2	1	1
Malaria	0	1	0	0	0	1
Meningitis, Aseptic	9	24	3	13	1	3
Meningitis, Bacterial Other	1	7	3	3	1	1
Meningitis, Fungal	1	1	2	2	0	0
RSV	303	1702	3	9	92	566
Rabies, exposure to a rabies susceptible animal	15	34	15	58	25	81
Streptococcal Toxic Shock Syndrome (STSS)	1	8	2	7	0	2

*The total number of cases presented in this report is subject to change due to possible delays in reporting and processing. Cases are counted based on CDC case definitions. HIV/AIDS/TB case counts are provided on a quarterly basis.

--Diseases not reported in the past two years or during the current reporting period are not included in this report.

---Hepatitis C, chronic, numbers have changed due to surveillance decisions within the Office of Epidemiology & Disease Surveillance.

----Monthly rates & monthly rate comparisons were removed from the Clark County Disease Statistics monthly report after July 2018 due to new data suppression rules adopted by the Office of Epidemiology & Disease Surveillance. Please see the Clark County Disease Statistics quarterly report for quarterly rates & quarterly rate comparisons.