





# Memorandum

**Date:** November 6, 2023

**To:** Southern Nevada District Board of Health

**From:** Cassius Lockett, PhD, *Director of Disease Surveillance & Control*   
 Fermin Leguen, MD, MPH, *District Health Officer* 

**Subject:** Disease Surveillance & Control Division Monthly Activity Report – October 2023

## A. Division of Disease Surveillance and Control

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

\*This section has been modified to reflect calendar year reporting instead of fiscal year reporting, effective February 2023. This change is in line with MMWR reporting.

	Oct 2022	Oct 2023		YTD 22	YTD 23	
<b>Sexually Transmitted</b>						
Chlamydia	1023	1077	↑	9591	9573	↓
Gonorrhea	503	463	↓	4777	4298	↓
Primary Syphilis	31	22	↓	220	181	↓
Secondary Syphilis	35	25	↓	336	261	↓
Early Non-Primary, Non-Secondary <sup>1</sup>	56	40	↓	491	467	↓
Syphilis Unknown Duration or Late <sup>2</sup>	103	134	↑	1126	1116	↓
Congenital Syphilis (presumptive)	1	6	↑	36	43	↑
<b>Moms and Babies Surveillance</b>						
HIV Pregnant Cases	2	1	↓	24	23	↓
Syphilis Pregnant Cases	14	25	↑	179	247	↑
Perinatally Exposed to HIV	2	1	↓	16	17	↑
<sup>1</sup> Early Non-Primary, Non-Secondary= CDC changed the case definition from Early Latent Syphilis to Early Non-Primary, Non-Secondary <sup>2</sup> Syphilis Unknown Duration or Late=CDC changed the case definition from Late Latent Syphilis to Syphilis Unknown Duration or Late						
<b>Vaccine Preventable</b>						
Haemophilus influenzae, invasive disease	3	1	↓	18	26	↑
Hepatitis A	0	0	→	6	6	→
Hepatitis B, acute	0	0	→	18	21	↑
Influenza	20	27	↑	496	241	↓
Pertussis	7	0	↓	70	25	↓

	Oct 2022	Oct 2023		YTD 22	YTD 23	
<b>Enteric Illness</b>						
Campylobacteriosis	18	16	↓	112	158	↑
Cryptosporidiosis	1	1	→	13	11	↓
Giardiasis	2	3	↑	38	54	↑
Rotavirus	2	1	↓	128	97	↓
Salmonellosis	13	13	→	135	171	↑
Shiga toxin-producing Escherichia coli (STEC)	4	3	↓	58	44	↓
Shigellosis	10	6	↓	64	66	↑
<b>Other</b>						
Candida auris	39	32	↓	345	482	↑
Coccidioidomycosis	14	11	↓	122	213	↑
Hepatitis C, acute	1	2	↑	3	5	↑
Invasive Pneumococcal Disease	13	13	→	139	162	↑
Lead Poisoning	17	27	↑	114	152	↑
Legionellosis	1	1	→	23	29	↑
Meningitis, aseptic	5	3	↓	30	27	↓
Meningitis, Bacterial Other	2	1	↓	8	9	↑
Streptococcal Toxic Shock Syndrome (STSS)	1	3	↑	6	29	↑
New Active TB Cases Counted (<15 yo)	0	0	→	1	2	↑
New Active TB Cases Counted (>= 15 yo)	5	5	→	42	52	↑

2. Number of Cases Investigated by ODS

Monthly DIIS Investigations CT/GC/Syphilis/HIV/TB	Contacts	Clusters <sup>1</sup>	Reactors/ Symptomatic/ Xray <sup>2</sup>	OOJ/ FUP <sup>3</sup>
Chlamydia	18	0	31	0
Gonorrhea	2	0	15	0
Syphilis	31	4	256	0
HIV/AIDS (New to Care/Returning to Care)	32	0	98	0
Tuberculosis	14	0	8	1
<b>TOTAL</b>	<b>97</b>	<b>4</b>	<b>408</b>	<b>1</b>

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

3. ACDC COVID-19 CT Staffing and Activities

- a. Contact Tracers (CTs) – SNHD
  - i. SNHD staff, Current Total: 19
    - 1. Lead CTs – 4

2. Contact Tracers; investigators and outreach – 15

- b. Testing
  - i. Contact tracing team continues to work the College of Southern Nevada (CSN) (2 sites) outreach testing on any testing day, overall >80% CTs rotating to testing sites
  - ii. Strike teams for testing are deployed for outbreak and clusters identified as necessary
  - iii. Vending Machines - providing accessible antigen home kits to vulnerable populations
  - iv. Coordinating Covid Antigen test kit Distribution through CBO partnerships
- c. Contact Tracing/Outreach/Outbreak Investigations
  - i. Priorities – CTs prioritize outbreak reports, and reports of multiple cases in settings of high-risk transmissions and vulnerable populations. This may include, but not limited to, detention centers, homeless shelters, daycares, and congregate settings.

4. Disease and Outbreak Investigations

- a. **2019 Novel Coronavirus (COVID-19):** In October 2023, Clark County had 1377 CONFIRMED cases; 0 cases of MIS-C (Multisystem Inflammatory Syndrome in Children) reported; 20 deaths (registered as of Nov 6). The Acute Communicable Disease Control (ACDC) program at the SNHD is receiving and following up on reports of confirmed illness, conducting disease investigations and offering referrals for resources in need. ACDC continues to provide public health recommendations for mitigation measures to prevent the spread of Covid-19. SNHD continues to monitor trends, investigate cases, provide guidance, and maintain community testing sites. This is an ongoing response effort.
- b. **Monkeypox:** As of October 31, 2023, Clark County had 302 cases of monkeypox.
- c. **Local cluster of Salmonella enteritidis:** ACDC has been investigating a local cluster of 15 Salmonella cases with matching WGS patterns since June 2023. DIIS staff have been completing a hypothesis generating questionnaire with cases to try and identify any commonalities. At this time, no risk factor or source has been identified. ACDC and OIE will continue to review new cases for possible sources. This investigation is ongoing.
- d. **Influenza:** SNHD started the influenza surveillance for the 2023-2024 season on October 7, 2023, and will continue through May 18, 2024. Weekly surveillance reports will be distributed throughout this period containing information on influenza cases provided by local hospitals and health care providers to SNHD. As of 10/28/23, in Clark County, there were 22 influenza-associated hospitalizations and zero deaths associated with influenza were reported for the 2023-2024 influenza season.

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 through SAMHSA’s First Responders-Comprehensive Addiction and Recovery Act (FR-CARA) grant which began on September 30, 2022. 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 October:

<b>Naloxone Distribution</b>	<b>Agency</b>	<b># of Naloxone doses distributed</b>
10/5/2023	CCSDPD	300
10/5/2023	Las Vegas Comprehensive Treatment Center	50
10/5/2023	Clark County Detention Center	200
10/5/2023	Nevada Transportation Authority	60
10/5/2023	Nevada Highway Patrol - Southern Command	250
10/5/2023	Moapa Tribal Police Dept.	400
10/5/2023	Arkos Health	200
10/12/2023	Bartender Supply	40
10/18/2023	Community Ambulance	76
10/18/2023	HIDTA	8
10/19/2023	SNHD - Pharmacy	60
10/30/2023	Shine a Light	1800
10/30/2023	Henderson Comprehensive Treatment Center	600
10/30/2023	Dr. Miriam and Sheldon G. Adelson Drug Abuse Clinic	300
10/30/2023	The Center	700
10/30/2023	Huntridge Family Clinic	1000
10/30/2023	Trac - B	480
10/30/2023	NDOC - High Desert	40
10/30/2023	MGM Resorts	20
10/30/2023	Nevada Army National Guard	200
10/31/2023	Foundation for Recovery	400
10/31/2023	Henderson PD	300
10/31/2023	Crossroads	1000
10/31/2023	The Cupcake Girls	350
10/31/2023	Las Vegas Detention Center	40
10/31/2023	Sahara	40
10/31/2023	NDOC - Southern Desert	200
10/31/2023	Landmark Recovery	240
	<b>Total</b>	<b>9354</b>

- b. Overdose Data to Action (ODTA): The ODS ODTA Health Education team monitors the Fentanyl Test Strip Program.

The following participating agencies and internal SNHD programs received FTS during the month of October:

10/05/2023 UNLV Student Health Center (1000 Strips)  
10/23/2023 SNHD Office of Disease Surveillance (400 Strips)  
10/25/2023 Happy Camper Overdose Response (1000 Strips)  
10/26/2023 Adelson Clinic (300 Strips)  
10/31/2023 CrossRoads (1000 Strips)

## 6. Prevention - Community Outreach/Provider Outreach/Education

- a. Ongoing promotion continues of the [Collect2Protect](#) (C2P) program, an online service for those requesting testing for gonorrhea, chlamydia, and at-home HIV test kits. The C2P program allows users to order an at-home HIV test kit conveniently and privately, at no cost and get their results at home. Test kits for chlamydia and gonorrhea are also available for a fee. Express Testing will also be available at SNHD's main public health center, 280 S. Decatur Blvd., Las Vegas, for those who are asymptomatic and would like to get tested and know their HIV status. 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, and AHF continue to offer ongoing HIV/STD, PrEP/PEP, and rapid stART services to the community.

Free HIV testing is also available from 8 a.m. – 4:30 p.m. at the Southern Nevada Health District, 280 S. Decatur Blvd., Las Vegas, NV 89107 through the Express Testing/Annex A clinic.

- b. ODS has teamed with community partners to participate at outreach events. This month we attended National Night Out hosted by LVMPD at The Doolittle Complex (non-testing event) and National Latinx AIDS Awareness Day (NLAAD) at the Chuck Minker Sports Complex. To mark National Coming Out Day on October 14<sup>th</sup>, staff was onsite at the SNHD Fremont Campus to offer free testing and education services. At these sites, HIV rapid and syphilis testing are offered along with information on PrEP/PEP, condoms, and resources for additional services. Our collaboration and presence at events in the community like these is key to gaining community trust and to help destigmatize HIV/STI testing which is vital to ending the HIV epidemic. The ODS MTU is currently out for repair, so outreaches have been facilitated without it.

### B. High Impact HIV/STD/Hepatitis Screening Sites

Testing is currently 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	Oct -22	Oct-23		YTD 22	YTD 23	
Outreach/Targeted Testing	1039	451	↓	6763	8705	↑
Clinic Screening (SHC/FPC/TB)	383	409	↑	2947	2966	↑
Outreach Screening (Jails, SAPTA)	135	237	↑	1348	2508	↑
Collect2 Protect	14	2	↓	244	128	↓
<b>TOTAL</b>	<b>1571</b>	<b>1099</b>	<b>↓</b>	<b>11302</b>	<b>14307</b>	<b>↑</b>
Outreach/Targeted Testing POSITIVE	6	0	↓	77	48	↓
Clinic Screening (SHC/FPC/TB) POSITIVE	1	0	↓	10	9	↓
Outreach Screening (Jails, SAPTA) POSITIVE	0	1	↑	4	9	↑
Collect2 Protect POSITIVE	0	0	→	0	0	→
<b>TOTAL POSITIVES</b>	<b>7</b>	<b>1</b>	<b>↓</b>	<b>91</b>	<b>66</b>	<b>↓</b>

**C. Staff Facilitated/Attended the following Trainings/Presentations**

- 10/03/2023 - 10/05/2023: "HIV Navigation Services Training" facilitated by the Centers for Disease Control and Prevention; 15 people in attendance; 1 ODS Health Educator attendee.
- 10/04/2023: Nevada Commission of Minority Affairs Community Partner meeting to discuss Community Health Improvement Plan (CHIP) Initiatives; 3 people in attendance; 1 ODS Health Educator attendee.
- 10/04/2023: Facilitated Naloxone Training - Davis Funeral Home; 7 people in attendance; 1 ODS Health Educator attendee.
- 10/05/2023: Virtually Attended Nevada Integrated HIV Prevention and Care Plan Review with HRSA and CDC; ~12 people in attendance from CDC, NDPBH, NNHD, UNR, and Ryan White Part A Las Vegas TGA; 2 ODS Health Educator attendees.
- 10/06/2023: Clark County Children's Mental Health Consortium (CCCMHC) meeting attended by ODS Health Educator Staff as Vice-Chair; ~25 people in attendance from multiple agencies; 2 SNHD ODS staff attendee.
- 10/09/2023: Presented Community Health Assessment and Community Health Improvement Plan (CHA/CHIP) Updates to Public Health Advisory Board (PHAB); 40 people in attendance; 3 ODS Health Educator attendees.
- 10/10/2023: Attended Nevada 211 Quarterly meeting as SNHD representative; 40 people in attendance; 1 ODS Health Educator attendee.
- 10/10/2023: "Mental Health in Corrections Training" facilitated by ODS Health Educator Staff; 5 people in attendance; 5 SNHD ODS staff attendees.
- 10/10/2023: "Motivational Interviewing Training" facilitated by ODS Health Educator Staff; 6 people in attendance; 1 SNHD ODS staff attendees.
- 10/10/2023: Presented "Ending the HIV Epidemic: Nevada Laws and Policies" for the monthly FQHC meeting; 50 people in attendance; 2 ODS Health Educator attendees.
- 10/11/2023: Facilitated Naloxone Training - SNHD Staff; 21 people in attendance; 1 ODS Health Educator attendee.

12. 10/11/2023: Attended Southern Nevada Human Trafficking Task Force Quarterly Collaborative as SNHD Representative; 20 people in attendance; 1 ODS Health Educator attendee.
13. 10/12/2023: Facilitated Naloxone Training - Bartender Supply; 11 people in attendance; 1 ODS Health Educator attendee.
14. 10/12/2023: 2023 HIDTA Prevention Summit attended by ODS Health Educator Staff; ~500 people in attendance; 1 SNHD ODS staff attendee.
15. 10/12/2023: Latinx Steering Committee meeting attended by ODS Health Educator as a representative; 18 people in attendance from multiple agencies; 2 SNHD ODS staff attendees.
16. 10/16/2023: Attended the Center's Building Bridges to Health: HIV Summit; 50 people in attendance; 2 ODS Health Educator attendees.
17. 10/18/2023-10/19/2023: Facilitated Empower Change: Rapid HIV Testing and Counseling Training; 14 people in attendance; 2 ODS Health Educator attendees.
18. 10/19/2023: Meeting with My Place Health and PACE to discuss Community Health Improvement Plan (CHIP) initiatives and plans; 2 people in attendance; 1 ODS Health Educator attendee.
19. 10/19/2023: Attended Nevada Congenital Syphilis Case Review Team meeting; 8 people in attendance; 1 ODS Health Educator attendee.
20. 10/20/2023: Public Health Vending Machine 1:1 Meeting with Alabama; 3 people in attendance; 1 ODS Health Educator attendee.
21. 10/23/2023: "Suicide Awareness and Mental Health in Latino Communities" radio interview (98.1 Fiesta) in Spanish facilitated by 2 ODS Health Educators; 3 people in attendance; 2 SNHD ODS staff attendees.
22. 10/24/2023: "HIV Stigma Training" facilitated by the SNHD Stigma Reduction Team; 10 people in attendance; 1 ODS Health Educator attendee.
23. 10/24/2023: Presented and tabled at Addressing the Opioid Epidemic Conference; 250 people in attendance; 3 ODS Health Educator attendees.
24. 10/24/2023: Attended Clark County Children's Mental Health Consortium (CCCMHC) Public Awareness October Workgroup meeting as SNHD Representative; 12 people in attendance; 1 ODS Health Educator attendance.
25. 10/25/2023: Facilitated Naloxone Training - Las Vegas Fire and Rescue; 8 people in attendance; 1 ODS Health Educator attendee.
26. 10/25/2023: "Perinatal HIV Presentation" facilitated by SNHD ODS; 10 people in attendance; 2 ODS Health Educator attendees.
27. 10/25/2023: Co-Presented for "Perinatal HIV" for Project Echo; 20 people in attendance; 2 ODS Health Educator attendees.
28. 10/26/2023: Presented Community Health Assessment and Community Health Improvement Plan (CHA/CHIP) update to the SNHD Board of Health; 50 people in attendance; 1 ODS Health Educator presented.
29. 10/30/2023: Chaired SURG Prevention Subcommittee Meeting; 23 people in attendance; 1 ODS Health Educator attendee.

**D. Other**

1. Communicable Disease Statistics: September 2023 and Quarter 3 2023 disease statistics are attached (see Table 1).



2. Four staff received Certification in Infection Control (CIC) through the Certification Board of Infection Control and Epidemiology.

### MONTHLY REPORT – October 2023

#### **OFFICE OF INFORMATICS AND EPIDEMIOLOGY (OIE)**

- A. EpiTrax and Data Warehouse**
  - a. Work with Epi and Surveillance teams to monitor system and applications, and investigate, review, troubleshoot, and resolve issues. Continuous user account support and form updates.
  - b. Continue to update and enhance Data Warehouse- standardize schemas and coded values, update facilities and hospital data, and standardize event\_type column values in all tables.
  - c. Pentaho report updates: investigate and correct reported discrepancies to ensure data correctness.
  - d. Continue migrating scheduled tasks to Airflow server.
  - e. Perform daily task/issue review with Informatics team and weekly review with Epi teams, Surveillance teams and end users. Continuing management of Teams tasks to resolve issues. 274 tasks have been completed.
  - f. Continue working on migrating internal processes from Trisano to EpiTrax. Completed Migration of Online Morbidity process, setting up Airflow process to upload attachments files to EpiTrax events from the online morbidity.
  - g. Created a process to auto close EpiTrax COVID cases in EpiTrax. Started processing cases.
  - h. Maintain QA dictionary with updates and modifications, to include question text.
  - i. Implemented new SOGI questions into EpiTrax as core questions.
  - j. Analysis of Person Deduplication in EpiTrax
  - k. Investigating COVID intubation information storage.
- B. Electronic Message Staging Area (EMSA)**
  - a. Maintain and enhance systems and provide support to staff.
  - b. Continue to work on EMSA2: mapping new codes, incoming labs, data processing and logic review for exceptions and errors.
  - c. Testing new Electronic Laboratory Reports (ELR) from United Health Services.
  - d. Message exception review sessions.
  - e. Onboarding eICRs from UMC
  - f. Onboarded 3 new providers.
- C. Southern Nevada Public Health Laboratory (SNPHL)**
  - a. Continue National Respiratory and Enteric Virus Surveillance System (NREVSS) support.
  - b. Interoperate with other internal and external systems. Ongoing interface upkeep with full data clean-up, security updates, and server maintenance. Has been set as a priority as requested by Harvest.
  - c. Continue working on Laboratory Response Network- Biological Agents (LRN-B) automated delivery feed. Interface to CDC. Continue meetings with CDC and LRN staff to complete this project. Sending HL7 messages to CDC for validation.
  - d. Continue SNPHL data warehouse cleanup and maintenance.
  - e. Maintain COVID interface between instruments, COVID POD app and Orchard, to include COVID testing and reporting as needed. Implementing combined testing for SNPHL of Covid/Flu for certain testing locations. Modifications will be needed for the current automated processes to support this change. A temporary result delivery system for providers was created based on NPI number and location. System is ready for implementation.
  - f. Continue exploring the acquisition and implementation of the Outreach Module for Orchard to make specimen ordering and result delivery from/to partners more efficient and timelier. Due June 2024.



- g. Implemented ETOR (Outreach) web portal.
- h. Preparations and quotes for three new interfaces for clinical instruments. Received documentation for two Sysmex machines, setting up orderable.

**D. Electronic Health Record (EHR) System**

- i. Maintain the system for COVID test ordering and COVID vaccination. Configuration modifications to improve charting, reporting efficiency and to accommodate new locations and services.
- ii. Continue data transfer to Wellpartner on prescription notification from eClinicalWorks (eCW).
- iii. New Strategic Account Manager with (eCW). Discussion on prioritizing projects and tickets.
- iv. Continue data extraction and processing using Fast Healthcare Interoperability Resources (FHIR).
- v. Continue evaluating, preparing, and testing to migrate eCW to the Cloud version. eCW Cloud move scheduled for November. Setting up the test environment.
- vi. Continue adoption of Azara, the data warehouse/analytics platform.
- vii. New configurations built for Primary and Preventive Sexual Health Outreach and Prevention Program (PPC-SHOPP), e.g., POC Tests, Resources, and Facilities.
- viii. HPV Survey Patient Consent build.
- ix. Actively engaged in cloud migration of the Electronic Health Record.

**E. Clark County Coroner's Office (CCCO)**

- a. Continue to provide support to CCCO on new CME implementation, testing, data requests, and reports. Providing post go-live support.
- b. Fulfill internal and external data requests using aggregated death data.
- c. Provide reports and media requests for various agencies.

**F. COVID19 Support**

- a. Maintain COVID interface between instruments, COVID POD app and Orchard, to include COVID testing and reporting as needed.
- b. Provide support by automating COVID19 hospitalization notifications, demographic extracts, lab tests and treatment information from HIE CCDs for public health surveillance.
- c. Maintain and update COVID19 dashboard to include COVID19 reinfections, COVID19 maps, lab testing, ED admission trend analysis and other urgent data requests. Continue process of redesigning the dashboard.
- d. Maintain and enhance COVID19 lab results portal.
- e. Attend bi-weekly meetings with UNLV for COVID19 race/ethnicity data geocoding and geospatial analysis.
- f. Bi-weekly upload of State COVID vaccine files.
- g. Maintenance of data pipeline from Nevada Hospital Association for occupied beds.

**G. API Server**

- i. Continue new API server testing for internal processes and 3<sup>rd</sup> party app.
- ii. Development of data import form OCR project into EpiTrax using API. Attending ongoing meetings.
- iii. Implemented attachment upload/retrieval into EpiTrax API.

**H. Data Modernization Initiative (DMI)**

- a. Continue to work with the State on DMI project. Mirth channel set up, mapping EMSA codes, successful test of full data flow into EMSA/EpiTrax.
- b. eCR onboarding and RCKMS training.
- c. EpiTrax NMI module configured. Continue setting up and troubleshooting NMI process to be able to generate HL7 for mapped conditions.
- d. Continue working on OCR project pipeline into EpiTrax using Mongo and web services.
- e. State GENV2 Generic MMG excel document comparison.

- f. MMG mapping for Generic conditions completed.
  - g. Collaboration with State on matching data formats for submission to CDC.
- I. National Syndromic Surveillance Platform/Electronic Surveillance System for the Early Notification of Community-Based Epidemics (ESSENCE)
- a. Continue to maintain and enhance syndromic system for new providers and future support.
  - b. Working with Dignity Health) on their transition from Cerner's HealthSentry platform to Public Health Surveillance platform.
  - c. Planning meeting for upcoming Formula 1(F1) and Superbowl events. Setting up Food Borne Illness complaint form, adding new data point for the F1 event.
- J. Grant Updates
- a. Conference on Retroviruses and Opportunistic Infections (CROI) abstract completed.
  - b. Submitted amended budget for PILLARS grant.
- K. Reports
- i. The following FQHC/Clinical reports were completed and submitted:
    - Reports for Chronic Disease Prevention & Health Promotion
    - PrEP Data and reporting in eCW for EHE
    - Data reporting, STD Clinic EHE Learning Community Working Group
    - FOCUS reports for September
    - EPI data request RW
    - RSR Completeness Report and annual report for RW Part B
    - DRVS HIV Module + Ryan White Reporting
    - FPNV quarterly report
    - MPOX Immunization All Facility Report revision
    - PrEP reason report for Disease Surveillance
    - FQHC Annual Comparison Reports
    - New FP Provider Report
    - FQHC Financial Reporting
    - RN visits reports
    - Weekly Patient Age Group Count report for Office of Preparedness
    - EpiTrax warehouse access
    - SBIRT report for ODTA grant
  - ii. Epidemiology Reports:
    - COVID-19 trend reports (public and internal versions)
    - Weekly COVID Variants Report updated to include variant data from wastewater surveillance.
    - Data quality reports to support the Office of Disease Surveillance's activities and STD/HIV grant deliverables.
    - Monthly - Drug Overdose Report – Internal
    - Monthly - BOH report
    - Annual - Trauma Needs Assessment Review
    - Ran daily, biweekly, bimonthly, and monthly COVID reports.
    - Submitted quarterly reports to ODS for HCV state grant.
    - Weekly Mpox case and vaccination report
    - Ongoing monthly and quarterly reports for FOCUS HIV grant project
    - Monthly NVDRS, SUDORS and NCLPP reports.
    - Quarterly FOCUS HIV Reports
    - Influenza report weekly.

- Wrap up closeout reports for ODTA, Prepare ODTA 2.0 work plan and evaluation planning for Component B.
- iii. Other report updates:
  - Working on Sunrise ELR reporting issue; since the data cannot be sent in the ELR feed, they are working on sending a file with the backlog from 2/1/2023 through 7/1/2023 to see if we can utilize this data as sent.
  - Daily, weekly, and monthly SNPDL reports and upkeep.
  - State NETSS weekly/YTD report
  - Working on the Health Southern Nevada, Chronic Disease Dashboard.
  - CSTE/CDC Forecasting Workgroup calls

#### L. Training

- i. Staff attended and/or completed the following trainings, conferences, presentations, and webinars:
  - EPI OCR working meetings.
  - Annual eCW National Conference
  - Attended DMI workshop.
  - Attended Power BI demo.
  - Employee engagement survey review
  - Epitrax consortium meetings
    - Release manager meeting
    - Technical discussion
    - User collaboration
  - EIS Officer attended the Nevada Public Health Association (NPHA) annual conference: <https://npha.wildapricot.org/NPHA-Annual-Conference>
  - 2 Epidemiology staff attended Media Training from the Office of Communications.
  - 1 staff attended the 2023 Administrative Professionals Conference
  - Attending weekly EMSA learning meetings with Utah.

#### M. Contracts

- i. Working on interlocal agreements with Clark County Coroner's Office for NRVDRS SUDORS and SUDI/SDY Registry Grants
- ii. Working on interlocal agreement with Clark County for RWCQM grant.
- iii. Completed new contract with HIE.
- iv. Renewed contract with Smarty for Geocoding services.

#### N. Other Projects

- i. Continue to maintain and enhance iCircle web application for OEDS. Continuous user account support, site maintenance, data corrections and updates.
- ii. Continue to meet and work on UNLV Base model project.
- iii. UNLV Wastewater training planning.
- iv. Informatics Service Requests completed.
- v. Assist Epidemiology and Surveillance programs, Office of EMS/Trauma System, Environmental Health, and Clinic Services with various data requests, data exports, and report generation.
- vi. Support online sign-up application for Syringe Vending (harm reduction) for Trac-B.
- vii. Working on Women's Health Associates of Southern Nevada (WHASN) ELR feed implementation. Processing Chlamydia results via ELR.



- viii. Maintenance of the NHA Data Webservice Script.
- ix. OD2A phase 2 kick-off meeting. Began Component B workplan documentation, dashboard planning and L2A and Trac-B data exports.
- x. Mpox/Alchemer vaccine reminder campaigns completed.
- xi. Monthly Presentation on Death certificates for Residents doing rotations at SNHD.
- xii. NVCLPPP lead portal data review and quarterly advisory board meeting.
- xiii. Utah eCR setup review.
- xiv. Assist with planning enhanced surveillance for the Formula 1 event in November 2023 and Superbowl in February 2024.
- xv. Began Health Disparities dashboard platform discussions.
- xvi. Successful TB Cohort help Oct 10
- xvii. Staff attended the SNHD All Hands meeting on October 5.
- xviii. Refreshed Vital Records database.
- xix. Working on Healthy Start Project.
- xx. Update State vaccine data for Monkeypox and COVID.
- xxi. Poison Control data feed restored, and missing data has been updated.



September 2023: Clark County Disease Statistics\*

Disease	2021		2022		2023	
	September	YTD	September	YTD	September	YTD
<b>VACCINE PREVENTABLE</b>						
COVID-19	15,120	135,235	2,641	190,637	1,348	14,884
Haemophilus influenzae, invasive	2	9	2	15	4	25
Hepatitis A	0	1	0	6	0	6
Hepatitis B, acute	1	13	1	17	2	20
Hepatitis B, chronic	42	451	80	604	153	1,035
Influenza	3	47	4	476	12	206
Meningococcal disease ( <i>N. meningitidis</i> )	0	0	0	0	2	2
Pertussis	1	13	13	63	7	24
RSV	343	695	156	1,151	52	761
<b>SEXUALLY TRANSMITTED</b>						
Chlamydia	970	9,951	1,023	9,591	1,077	9,573
Gonorrhea	565	5,532	503	4,777	463	4,298
HIV	41	353	51	360	43	367
Stage 3 HIV (AIDS)	16	146	25	141	12	115
Syphilis (Early non-primary, non-secondary)	66	515	56	491	38	466
Syphilis (Primary & Secondary)	48	562	66	556	46	440
<b>CONGENITAL CONDITIONS</b>						
Hepatitis C, Perinatal Infection	0	3	0	0	0	1
Congenital Syphilis	3	24	1	36	6	42
<b>ENTERICS</b>						
Amebiasis	0	2	0	1	2	4
Campylobacteriosis	4	106	11	94	13	141
Cryptosporidiosis	2	13	0	12	4	10
Giardiasis	6	31	4	36	3	48
Rotavirus	0	22	1	126	7	96
Salmonellosis	11	117	16	122	18	157
Shiga toxin-producing <i>E. coli</i> (STEC)	5	49	3	54	4	41
Shigellosis	3	56	6	54	9	59
Vibriosis (Non-cholera <i>Vibrio</i> species infection)	0	2	0	5	1	4
Yersiniosis	0	8	0	6	0	11
<b>OTHER</b>						
Brucellosis	0	0	0	1	0	0
Coccidioidomycosis	13	126	15	108	24	202
Exposure, Chemical or Biological	0	2	0	9	0	1
Hepatitis C, acute	0	2	0	2	0	3
Hepatitis C, chronic	280	2,560	239	2,336	134	2,048
Invasive Pneumococcal Disease	7	81	10	126	9	149
Lead Poisoning	8	79	7	97	8	125
Legionellosis	2	16	3	22	4	28
Listeriosis	0	0	0	3	0	0
Lyme Disease	0	10	1	6	1	7
Malaria	0	1	1	7	0	7
Meningitis, Aseptic	3	26	7	25	5	24
Meningitis, Bacterial Other	1	8	0	6	3	8
Meningitis, Fungal	0	4	2	5	0	0
Q Fever, acute	0	1	0	0	0	0
Rabies, exposure to a rabies susceptible animal	30	203	20	250	23	263
Spotted Fever Rickettsiosis	0	1	0	0	0	0
Streptococcal Toxic Shock Syndrome (STSS)	0	17	0	5	1	26
Tuberculosis (Active)	3	38	5	44	7	54

\*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.

----- Please note that COVID-19 disease statistics include CONFIRMED cases only.





Quarter 3, 2023: Clark County Disease Statistics\*

Disease	2021		2022		2023		Rate (Cases per 100,000 per quarter)		Quarter Rate Comparison
	Qtr 3	YTD	Qtr 3	YTD	Qtr 3	YTD	Qtr 3 (2018-2022 aggregated)	Qtr 3 (2023)	Change b/t current & past 5-year?
<b>VACCINE PREVENTABLE</b>									
Haemophilus influenzae, invasive	7	9	7	15	6	25	0.12	.	↑
Hepatitis A	0	1	3	6	3	6	0.22	.	↓
Hepatitis B, acute	4	13	3	17	8	20	0.10	.	↑
Hepatitis B, chronic	159	451	214	604	421	1035	4.77	5.80	↓X
Influenza	10	47	23	476	50	206	0.38	0.69	↓X
Meningococcal disease ( <i>N. meningitidis</i> )	0	0	0	0	2	2	.	.	↑
Mumps	0	0	1	1	0	0	.	.	↓
Pertussis	7	13	19	63	13	24	0.23	0.18	↑
<b>SEXUALLY TRANSMITTED</b>									
Chlamydia	3171	9950	3288	9591	3309	9573	93.07	45.58	↓X
Gonorrhea	1855	5531	1575	4777	1456	4298	42.50	20.06	↓X
HIV	121	348	131	335	120	367	2.76	1.65	↑
Stage 3 HIV (AIDS)	50	145	38	115	42	115	0.97	0.58	↑
Syphilis (Early non-primary, non-secondary)	184	515	190	491	161	466	3.60	2.22	↑
Syphilis (Primary, Secondary)	174	562	207	556	151	440	4.63	2.08	↓X
<b>CONGENITAL CONDITIONS</b>									
Hepatitis C, Perinatal Infection	1	3	0	0	0	1	.	.	↓
Congenital Syphilis	7	24	7	36	12	42	0.245912	0.1653	↑
<b>ENTERICS</b>									
Amebiasis	0	2	0	1	3	4	.	.	↑
Campylobacteriosis	26	106	41	94	45	141	1.01	0.62	↑
Cryptosporidiosis	8	13	3	12	5	10	0.14	.	↓
Giardiasis	13	31	16	36	16	48	0.37	0.22	↑
Rotavirus	8	22	5	126	33	96	0.18	0.45	↓X
Salmonellosis	33	117	43	122	60	157	1.38	0.83	↑
Shiga toxin-producing <i>E. coli</i> (STEC)	22	49	10	54	18	41	0.29	0.25	↑
Shigellosis	15	56	27	54	22	59	0.53	0.30	↑
Vibriosis (Non-cholera <i>Vibrio</i> species infection)	2	2	5	5	2	4	0.06	.	↓
Yersiniosis	1	8	3	6	3	11	.	.	↑
<b>OTHER</b>									
Coccidioidomycosis	34	126	42	108	64	202	0.94	0.88	↑
Encephalitis	1	1	6	13	0	0	.	.	↓
Exposure, Chemical or Biological	1	2	8	9	0	1	0.06	.	↓
Hepatitis C, acute	0	2	0	2	2	3	0.07	.	↓
Hepatitis C, chronic	872	2560	756	2336	434	2048	24.43	5.98	↓X
Invasive Pneumococcal Disease	25	81	23	126	25	149	0.58	0.34	↑
Lead Poisoning	25	79	25	97	35	125	0.69	0.48	↑
Legionellosis	7	16	7	22	10	28	0.16	.	↑
Listeriosis	0	0	0	3	0	0	.	.	↓
Lyme Disease	5	10	3	6	7	7	0.07	.	↑
Malaria	1	1	4	7	0	7	0.07	.	↓
Meningitis, Aseptic	6	26	17	25	15	24	0.42	0.21	↓X
Meningitis, Bacterial Other	3	8	3	6	6	8	0.12	.	↑
Meningitis, Fungal	0	4	5	5	0	0	.	.	↓
RSV	633	695	273	1151	98	761	5.01	1.35	↓X
Spotted Fever Rickettsiosis	0	1	0	0	0	0	.	.	↓
Streptococcal Toxic Shock Syndrome (STSS)	1	17	2	5	9	26	0.09	.	↑
Tuberculosis, Active	8	38	15	44	16	54	0.33	0.22	↑

\*Use of illness onset date in data aggregation for cases other than STD or TB (since Jan-2013) causes changes in cases reported here from previously released reports. Numbers are provisional including confirmed, probable, and suspect cases that are reportable to CDC. HIV/AIDS/TB case counts are provided on a quarterly basis. Rate suppression denoted by '.' for rates corresponding to case counts < 12.

-Diseases not reported in the past five years (aggregate data) and not reported during the current reporting period are not included in this report.