




Memorandum

Date: September 8, 2021

To: Southern Nevada District Board of Health

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

Subject: Disease Surveillance and Control Division Monthly Activity Report – September 2021

I. OFFICE OF EPIDEMIOLOGY AND DISEASE SURVEILLANCE (OEDS)

A. Surveillance and Investigations

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

	Aug 2020	Aug 2021		FYYTD 20-21	FYYTD 21-22	
Sexually Transmitted						
Chlamydia	1141	805	↓	2236	1836	↓
Gonorrhea	536	456	↓	1012	1090	↑
Primary Syphilis	16	15	↓	31	47	↑
Secondary Syphilis	37	27	↓	63	54	↓
Early Non-Primary, Non-Secondary ¹	26	33	↑	52	88	↑
Syphilis Unknown Duration or Late ²	88	58	↓	158	162	↑
Congenital Syphilis (presumptive)	4	0	↓	9	2	↓
Moms and Babies Surveillance						
HIV Pregnant Cases	2	0	↓	26	44	↑
Syphilis Pregnant Cases	13	18	↑	7	1	↓
Perinatally Exposed to HIV	1	1	→	1	2	↑
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 Later						
Vaccine Preventable						
Haemophilus influenzae, invasive disease	0	3	↑	8	7	↓
Hepatitis A	0	0	→	13	1	↓
Hepatitis B, acute	0	1	↑	7	11	↑
Hepatitis B, chronic	31	45	↑	313	364	↑

	Aug 2020	Aug 2021		FYYTD 20-21	FYYTD 21-22	
Influenza	2	3	↑	864	44	↓
Pertussis	0	0	→	5	8	↑
Enterics						
Campylobacteriosis	22	5	↓	82	95	↑
Giardiasis	1	2	↑	21	21	→
Rotavirus	0	4	↑	14	22	↑
Salmonellosis	16	4	↓	84	99	↑
Shiga toxin-producing Escherichia coli (STEC)	2	2	→	16	43	↑
Shigellosis	4	2	↓	36	49	↑
Other						
Coccidioidomycosis	8	11	↑	103	105	↑
Hepatitis C, acute	0	0	→	5	3	↓
Hepatitis C, chronic	317	257	↓	2938	2250	↓
Invasive Pneumococcal Disease	5	6	↑	143	62	↓
Lead Poisoning	7	3	↓	68	67	↓
Legionellosis	1	0	↓	20	13	↓
Meningitis, aseptic	5	1	↓	51	21	↓
Meningitis, Bacterial Other	2	1	↓	13	6	↓
RSV	2	82	↑	1283	154	↓
Streptococcal Toxic Shock Syndrome (STSS)	1	0	↓	19	13	↓
New Active TB Cases Counted (<15 yo)	0	0	→	0	0	→
New Active TB Cases Counted (>= 15 yo)	1	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	29	1	47	0
Gonorrhea	14	0	31	0
Syphilis	75	4	170	0
HIV/AIDS (New to Care/Returning to Care)	9	0	56	28
Tuberculosis	19	0	15	0
TOTAL	146	5	319	28

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
92	42	58	2	1

3. Disease and Outbreak Investigations

- a. 2019 Novel Coronavirus (COVID-19): As of August 30th, Clark County had 304,102 cases, 5,218 deaths, and 79 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 the 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 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, UNLV and other partnering agencies responding to reports of positive cases. This is an ongoing response effort.
- b. Acute Non-Viral Hepatitis of Unknown Etiology Outbreak: Five cases of acute non-viral hepatitis of unknown etiology in children were reported to the Southern Nevada Health District (SNHD) between November and December 2020. The Centers for Disease Control and Prevention (CDC) is assisting the SNHD in investigating a potential link between these illnesses and the consumption of an alkaline water product called “Real Water” and other possible etiologies. The FDA is also involved in this investigation and recommends that consumers, restaurants, distributors, and retailers should not drink, cook with, sell, or serve “Real Water” alkaline water, until more information is known about the cause of the illnesses. Further, the FDA advises that this water not be served to pets. These products include, but are not limited to, 5-gallon and 3-gallon containers (sold through home delivery/subscription), bottles of various sizes (sold on-line and in stores), and the “Real Water” concentrate (sold on-line). The SNHD has a survey on our website for community to self-report their illnesses and the SNHD ODS investigation team is following up with these reports. The SNHD now has 18 probable cases (including the 5 original children) and four suspect cases associated with this outbreak. The SNHD and CDC have conducted a series of phone interviews for cases and their household members to examine potential relationships between consumption of Real Water and severity of non-viral hepatitis

symptoms. Data analysis from this activity is underway. A case-control study was considered to compare Real Water exposure among patients who had the disease or no disease during the time of concern but will not be pursued at this time. This investigation is ongoing.

- c. **Salmonella Weltevreden Outbreak:** Four cases of *Salmonella* Weltevreden infections were reported to the SNHD between February 2021–April 2021. As of August 31, 2021, nine total illnesses were reported in RI (1), AZ (2), MI (2) and NV (4), that include three hospitalizations and zero deaths. The last known illness onset occurred on April 25, 2021. A positive import sample conducted by the FDA, along with epidemiological and traceback evidence, link this outbreak to the consumption of frozen cooked shrimp manufactured by Avanti Frozen Foods of India. On August 10, 2021, the FDA recommended an expansion on the initial recall to prevent additional illnesses. On August 13, 2021, Avanti Frozen Foods of India expanded its recall of frozen cooked shrimp to include frozen cooked shrimp products imported into the U.S. from November 2020 to May 2021. The FDA also recommends that consumers, restaurants, and retailers should not eat, sell, or serve recalled shrimp from Avanti Frozen Foods. All products should be discarded and any surfaces that may have come in contact with the recalled product, should be thoroughly cleaned and disinfected to reduce the risk of cross contamination. The outbreak was declared over but was later reopened and is still under investigation.
 - d. **Gastrointestinal Illness associated with a local food establishment:** ODS investigated eight foodborne illness complaints reporting vomiting and diarrhea associated with a local food establishment. ODS was able to collect five stool specimens, and all samples tested positive for Norovirus. ODS and SNPHL worked collaboratively to identify the pathogen. EH also provided resources on the pathogen and cleaning guidelines to the establishment. There are no additional reports of ill persons and this investigation has closed.
4. **Non-communicable Reports and Updates**
- a. **Naloxone Training:** The Substance Abuse and Mental Health Services Administration (SAMHSA) Center for Substance Abuse Prevention (CSAP) awarded the SNHD with the First Responders-Comprehensive Addiction and Recovery Act (FR-CARA) grant in September of 2017. The purpose of this 4-year FR-CARA grant is to train and distribute naloxone to first responders and members of other key community sectors throughout Nevada to better respond to the large-scale burden of opioid overdoses. Trainings continue in Nye County communities, Tonopah, and numerous first responder, medical, and treatment organizations. 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 August:

8/20/21 - Rape Crisis Center (200 kits distributed)

8/24/21 - PACT Coalition (118 kits distributed)

8/24/21 - DEA Las Vegas (96 kits distributed)

8/24/21 - Thrive Solutions (96 kits distributed)

8/24/21 - Nevada Transportation Authority (48 kits distributed)

- b. Overdose Data to Action Grant (ODTA): ODTA Health Education staff hosted the 2nd annual Substance Misuse and Overdose Prevention Summit in a virtual platform on August 10th, 2021. This year the focus was around addressing social determinants of health focusing on racism and discrimination, housing, education, income, and neighborhood conditions. The summit brings individuals together for collaboration and information sharing. 117 people were in virtual attendance for this year's summit.

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.

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 with limited funds for promotion. Outreach events this month include Hawks Gym and Fun Hog Ranch Bar. Both events are monthly ongoing 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. In addition, the L2A Mobile Testing Unit (MTU) was onsite for HIV testing at Pearson Center to assist with AHF. The target population for this event was communities of color.

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. AHF is also offering HIV and STD screenings at their clinic locations on Mondays, Wednesdays, and Fridays, and on their MTU.

Office of Disease Surveillance- HIV Prevention Screening/Testing Efforts						
Prevention - SNHD HIV Testing	Aug-20	Aug-21		FY 20-21	FY 21-22	
Outreach/Targeted Testing	477	573	↑	919	1487	↑
Clinic Screening (SHC/FPC/TB)	136	172	↑	272	421	↑
Outreach Screening (Jails, SAPTA)	0	49	↑	0	101	↑
TOTAL	613	794	↑	1191	2009	↑
Outreach/Targeted Testing POSITIVE	3	3	→	5	12	↑
Clinic Screening (SHC/FPC/TB) POSITIVE	0	2	↑	1	3	↑
Outreach Screening (Jails, SAPTA) POSITIVE	0	1	↑	0	1	↑
TOTAL POSITIVES	3	6	↑	6	16	↑

D. Staff Facilitated/Attended the Following Trainings/Presentations

- 08/02-04/2021: Southern Nevada Substance Misuse and Overdose Prevention (SNSMOPS) Speaker Orientation; facilitated by ODS Health Educator Staff and Intentional AV; 3 people in attendance; 1 SNHD ODS staff attendee.
- 08/04/2021: Nevada Opioid Response Collaboration attended by ODS Health Educator Staff; 10 people in attendance; 1 SNHD ODS staff attendee.
- 08/09/2021: Henderson Wellness Clinic Grand Opening Ribbon Cutting attended by ODS Health Educator Staff as representative; 1 SNHD ODS staff attendee.
- 08/09/2021: Southern Nevada Substance Misuse and Overdose Prevention (SNSMOPS) Run of Show; facilitated by ODS Health Educator Staff and Intentional AV; 5 people in attendance; 2 SNHD ODS staff attendees.
- 08/10/2021: "2021 Southern Nevada Substance Misuse and Overdose Prevention Summit" facilitated by ODS Health Educator Staff; ~117 people in attendance; 4 SNHD ODS staff attendees.
- 08/10/2021: "Moving Past Performative: Apply Health Equity and Anti-Oppression to our Work" presented by ODS Health Educator Staff; ~10 people in attendance; 2 SNHD ODS staff attendees.
- 08/10/2021: "Beyond Stock Images: Advancing Prevention through Graphic Design and Storytelling" presented by ODS Health Educator Staff; ~10 people in attendance; 3 SNHD ODS staff attendees.
- 08/10/2021: "Building Capacity in New Communities: Lessons Learned from Community Engagement Efforts on Harm Reduction across Rural Nevada" presented by ODS Health Educator Staff; ~20 people in attendance; 2 SNHD ODS staff attendees.
- 08/12/2021: "Motivational Interviewing Training" facilitated by ODS Health Educator Staff; 9 people in attendance; 2 SNHD ODS staff attendees.

10. 08/13/2021: "ABCs of Hepatitis" training facilitated by Southern Nevada Health District attended by 2 ODS Health Educator Staff; 2 SNHD ODS staff attendees.
11. 08/16/2021: Intern Progress Review Presentation facilitated by University Nevada Reno (UNR) Staff attended by 2 ODS Health Educator Staff; 4 people in attendance; 2 SNHD ODS staff attendees.
12. 08/17/2021: Child Death Review (CDR) Board virtual meeting attended by ODS Health Educator Staff as a representative; ~33 people in attendance from multiple agencies; 1 SNHD ODS staff attendee.
13. 08/17-18/2021: Las Vegas Transitional Grant Area (TGA) Ryan White Planning Council & Resource Allocation (PSRA) attended by 3 ODS Health Educator Staff; 1 SNHD ODS staff attendee.
14. 08/17/2021: Rescue Agency Public Benefit, LLC EHE Initiative Branding Presentation meeting attended by ODS Health Educator Staff as a representative; 1 SNHD ODS staff attendee.
15. 08/18/2021: "iCircle Training" facilitated by ODS Health Educator Staff and The Center LV; 3 people in attendance; 1 SNHD ODS staff attendee.
16. 08/18/2021-08/19/2021: "Mission: Possible-Reducing the Impact of Substance Abuse + Mental Illness" Summit attended by ODS Health Educator; ~150 people in attendance; 1 SNHD ODS staff attendee.
17. 08/18/2021: "Harm Reduction Workshop" facilitated by Sonoran Prevention Works attended by ODS Health Educator; ~20 people in attendance; 1 SNHD ODS staff attendee.
18. 08/23/2021: "Critical Thinking Workshop-Day 1" training facilitated by Headscratchers CEO and PACT Coalition attended by 2 ODS Health Educator Staff; 17 people in attendance from multiple agencies; 2 SNHD ODS staff attendees.
19. 08/23/2021: Nevada Coalition to End Domestic and Sexual Violence (NCEDSV) Conference Speaker Orientation facilitated by NCEDSV Staff attended by ODS Health Educator Staff; 4 people in attendance; 2 SNHD ODS staff attendees.
20. 08/23/2021: Introduction Meeting to USA Rehab Centers facilitated by ODS Health Educator Staff; 3 people in attendance; 1 SNHD ODS staff attendee.
21. 08/24/2021: "SafeTALK Suicide Prevention" training facilitated by ODS Health Educator Staff; 11 people in attendance; 3 SNHD ODS staff attendees.
22. 08/24/2021: "Trauma Informed Care" Rapid stART Learning Session 3 Day 1 facilitated by ODS Health Educator Staff; ~14 people in attendance with representatives from Dignity Health, ATEC, and UMC Wellness; 2 SNHD ODS staff attendees.
23. 08/25/2021: Northern and Southern HIV Prevention Planning Groups joint meeting attended by 3 ODS Health Educator Staff; 3 SNHD ODS staff attendees.
24. 08/25/2021: Southern Nevada Chapter (SNC) Nevada Public Health Association Meeting facilitated by SNC NPHA Vice President attended by

- 2 Health Educator Staff; 5 people in attendance; 2 SNHD ODS staff attendees.
25. 08/26/2021: "Critical Thinking Workshop-Day 2" training facilitated by Headscratchers CEO and PACT Coalition attended by 2 ODS Health Educator Staff; 17 people in attendance from multiple agencies; 2 SNHD ODS staff attendees.
 26. 08/26/2021: Southern Nevada Rapid stART Learning Session 3 Day 2 attended by ODS Health Educator; ~14 people in attendance with representatives from Dignity Health, ATEC, and UMC Wellness; 1 SNHD ODS staff attendee.
 27. 08/26/2021: Rescue Agency Public Benefit, LLC meeting attended by 2 ODS Health Educator Staff as a representative; 2 SNHD ODS staff attendees.
 28. 08/26/2021: Clark County and Rural Areas with KPS3 media discussion facilitated by ODS Health Educator Staff and Las Vegas Metro Police Department's Overdose Response Team; 17 people in attendance; 4 SNHD ODS staff attendees.
 29. 08/27/2021: "Harm Reduction 201: Understanding Drug-Related Stigma" training facilitated by ODS Health Educator Staff; 7 people in attendance; 4 SNHD ODS staff attendees.
 30. 08/27/2021-08/29/2021: "Empower Change: Rapid HIV Testing and Counseling" training program attended by ODS Health Educator Staff; 9 people in attendance with representatives from Trac-B and The Center Las Vegas; 1 SNHD ODS staff attendee.
 31. 08/30/2021-08/31/2021: "2021 Safe States Virtual Injury and Violence Prevention Conference" facilitated by Safe States Alliance attended by ODS Health Educator Staff; ~150 people in attendance; 1 SNHD ODS staff attendee.

E. Other

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

II. COVID-19 AND DISASTER RELIEF

A. Contact Tracers – SNHD

Current Total: 61
 30% of team working CSN (3 sites) outreach.
 5% assisting SNHD in-house testing and vaccine efforts.
 Contact Tracers have been assigned to work out of CCSD Covid Office for several weeks.
 Remaining team focused on new cases coming in.
Remaining Contact Tracers continue to work new cases as they come in, support CCSD, CCDC, Casinos, Las Vegas Professional sports team and other industries and community needs.

B. Contact Tracers – Contracted Service

AAA – 2 Teams – 100 ppl on original team (contract to expire in September) and 150 ppl on the team dedicated to CCSD.
 250 CT's total.
 Budget for contract renewal has been submitted by AAA to SNHD.

C. Case Load

SNHD TEAM AVG. – 195 cases per day
 AAA TEAMS AVG. – 365 cases per day
 ****Case load currently varies based on community numbers****

D. Testing

Kiosk and mobile testing from 3rd party vendors are up and running and doing very solid community testing numbers. Our testing strategy is designed to ensure equitable access to testing for residents that may have barriers including lack of insurance or transportation. Testing sites are selected based on epidemiological intelligence including but not limited to selecting areas in Clark County with high case rates and/or low testing rates within specific populations or zip codes.

Contracted Testing Teams			
	Date Range	Tests	Total
Rotating Mobile Testing Program	9.1-9.7	2,479	5,407
Kiosk System Testing Program	9.1-9.7	2,819	6,621

Date	CSN Henderson	CSN West Charleston	CSN North Las Vegas	Total
31Aug	185	173	184	542
1Sep	202	179	188	569
2Sep	175	173	181	529
3Sep	176	190	184	550
Total	738	715	737	2,190

E. Grants

Reports being filed as required by the CDC for all grants.

Table 1



July 2021: Clark County Disease Statistics*

Disease	2019		2020		2021	
	July	YTD	July	YTD	July	YTD
VACCINE PREVENTABLE						
Haemophilus influenzae, invasive	1	15	0	8	2	4
Hepatitis A	19	84	0	13	0	1
Hepatitis B, acute	1	12	3	7	2	10
Hepatitis B, chronic	86	365	56	282	51	319
Influenza	10	819	0	862	4	41
Meningococcal disease (<i>N. meningitidis</i>)	0	1	0	1	0	0
Pertussis	3	33	0	5	2	8
SEXUALLY TRANSMITTED						
Chlamydia	1301	8075	1095	7503	1016	7442
Gonorrhea	504	3113	476	2875	631	4191
Syphilis (Early non-primary, non-secondary)	23	234	26	212	56	390
Syphilis (Primary & Secondary)	69	350	41	365	60	447
CONGENITAL CONDITIONS						
Congenital Syphilis	6	19	5	24	2	19
Hepatitis C, Perinatal Infection	1	2	0	0	1	3
ENTERICS						
Amebiasis	0	5	1	6	0	2
Campylobacteriosis	16	82	11	60	13	90
Cryptosporidiosis	2	5	1	8	3	8
Giardiasis	9	36	3	20	2	19
Rotavirus	9	46	0	14	4	18
Salmonellosis	22	77	18	68	10	94
Shiga toxin-producing <i>E. coli</i> (STEC)	2	20	1	14	14	41
Shigellosis	10	42	5	32	7	47
Vibriosis (Non-cholera <i>Vibrio</i> species infection)	1	2	0	3	1	1
Yersiniosis	1	2	1	4	1	8
OTHER						
Brucellosis	0	1	0	0	0	0
Coccidioidomycosis	9	49	14	95	8	94
Exposure, Chemical or Biological	0	7	0	0	1	2
Hepatitis C, acute	1	13	2	5	1	3
Hepatitis C, chronic	532	4023	300	2621	248	1996
Invasive Pneumococcal Disease	7	153	4	138	8	56
Lead Poisoning	9	90	4	61	11	64
Legionellosis	2	9	1	19	4	13
Listeriosis	0	5	1	1	0	0
Lyme Disease	2	10	0	3	2	6
Malaria	3	7	0	1	0	0
Meningitis, Aseptic	13	46	4	46	1	20
Meningitis, Bacterial Other	2	18	1	11	1	5
Meningitis, Fungal	0	3	0	2	0	4
Q Fever, acute	0	1	0	0	0	1
RSV	9	1851	1	1281	31	67
Rabies, exposure to a rabies susceptible animal	10	11	12	84	26	148
Spotted Fever Rickettsiosis	0	1	0	0	0	1
Streptococcal Toxic Shock Syndrome (STSS)	1	20	1	18	0	13

*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.