

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/key personnel and other significant contributors.
Follow this format for each person. DO NOT EXCEED FIVE PAGES.

NAME: Lockett, Cassius

eRA COMMONS USER NAME (credential, e.g., agency login):

POSITION TITLE: Contributing Faculty

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	END DATE MM/YYYY	FIELD OF STUDY
University of California, Davis, California	BS	06/1994	Dietetics
University of California, Davis, California	MS	06/1996	Nutritional Science
University of California, Davis, California	PHD	06/1999	Nutrition Science and Epidemiology
Oregon Health Sciences University, Portland, Oregon	OTH	06/2013	Degreed Certificate in Biomedical Informatics
Centers for Disease Control & Prevention, Atlanta, GA	Other training	06/2001	Epidemic Intelligence Service Officer

A. Personal Statement

Dr. Cassius Lockett is the Deputy District Health Officer of Operations with the Southern Nevada Health District (SNHD). From May of 2021 to November 2023, he was the Director of Disease Surveillance & Control with SNHD. Prior to serving in this role he served as the Public Health Director for San Mateo County since February of 2016. Before that, he served as the Director of Community Health with the Southern Nevada Health District. From 1999 to 2001 Dr. Lockett was an epidemic intelligence officer (EIS) for the Centers for Disease Control and Prevention working for the Michigan Department of Community Health. For nearly a decade Dr. Lockett taught Epidemiology, Health Informatics, Public Health Informatics, Infectious Disease Epidemiology and Community Health at Walden University. Dr. Lockett received his undergraduate and graduate school training in nutritional epidemiology and dietetics at the University of California, Davis.

1. Vo V, Harrington A, Chang CL, Baker H, Moshi MA, Ghani N, Itorralba JY, Tillett RL, Dahlmann E, Basazinew N, Gu R, Familara TD, Boss S, Vanderford F, Ghani M, Tang AJ, Matthews A, Papp K, Khan E, Koutras C, Kan HY, Lockett C, Gerrity D, Oh EC. Identification and genome sequencing of an influenza H3N2 variant in wastewater from elementary schools during a surge of influenza A cases in Las Vegas, Nevada. *Sci Total Environ.* 2023 May 10;872:162058. PubMed Central PMCID: PMC9909754.
2. Vo V, Harrington A, Afzal S, Papp K, Chang CL, Baker H, Aguilar P, BATTERY E, Picker MA, Lockett C, Gerrity D, Kan HY, Oh EC. Identification of a rare SARS-CoV-2 XL hybrid variant in wastewater and the subsequent discovery of two infected individuals in Nevada. *Sci Total Environ.* 2023 Feb 1;858(Pt 3):160024. PubMed Central PMCID: PMC9640213.
3. Harrington A, Vo V, Papp K, Tillett RL, Chang CL, Baker H, Shen S, Amei A, Lockett C, Gerrity D, Oh EC. Urban monitoring of antimicrobial resistance during a COVID-19 surge through wastewater surveillance. *Sci Total Environ.* 2022 Dec 20;853:158577. PubMed Central PMCID: PMC9450474.
4. Ruff J, Zhang Y, Kappel M, Rathi S, Watkins K, Zhang L, Lockett C. Rapid Increase in Suspected SARS-CoV-2 Reinfections, Clark County, Nevada, USA, December 2021. *Emerg Infect Dis.* 2022 Oct;28(10):1977-1981. PubMed Central PMCID: PMC9514365.

B. Positions, Scientific Appointments and Honors

Positions and Scientific Appointments

2006 - 2015 Contributing Faculty, Walden University, Minneapolis, MN

Honors

2009 - 2010 Extraordinary Faculty Award, Walden University

C. Contribution to Science

1. a. Penney JA, Zhang Y, Bragg T, Bryant R, Lockett C. Notes from the Field: Pediatric Intracranial Infections - Clark County, Nevada, January-December 2022. *MMWR Morb Mortal Wkly Rep.* 2023 Jun 2;72(22):606-607. PubMed Central PMCID: PMC10243483.
- b. Lasry A, Kidder D, Hast M, Poovey J, Sunshine G, Winglee K, Zviedrite N, Ahmed F, Ethier KA. Timing of Community Mitigation and Changes in Reported COVID-19 and Community Mobility - Four U.S. Metropolitan Areas, February 26-April 1, 2020. *MMWR Morb Mortal Wkly Rep.* 2020 Apr 17;69(15):451-457. PubMed Central PMCID: PMC7755061.
- c. Grivetti LE, Corlett JL, Gordon BM, Lockett CT. Food in American History, Part 6—Beef (Part 1): Reconstruction and Growth Into the 20th Century (1865–1910). *Nutr Today.* 2004 Jan;39(1):18-25. PubMed PMID: 15076706.
- d. Grivetti LE, Corlett JL, Lockett CT. Food in American History Part 5: Pork: A Nation Divided: The American Civil War Era (1861-1865). *Nutr Today.* 2002 May-Jun;37(3):110-117. PubMed PMID: 12131786.

CURRICULUM VITAE

NAME: Cassius Lockett, PhD, MS

OFFICE LOCATION: 280 S. Decatur Blvd.
P.O. Box 3902
Work: 702-759-1691
Fax: 702-759-1422
Work e-mail: lockett@snhd.org

EDUCATION: **PhD**, University of California, Davis, 1999, Nutrition Science
Area of Concentration: **Epidemiology**

MS, University of California, Davis, 1996, Nutritional Science

BS, University of California, Davis, 1994, Dietetics

Degreed Certificate, Oregon Health Sciences University, School of
Medicine 2013, Clinical Informatics

CERTIFICATIONS:

- **Epidemic Intelligence Service Officer Certificate**, (Centers for Disease Control and Prevention, Epidemiology Program Office, Atlanta, GA), 2001.
- **Certificate in Biomedical Informatics** with specialization in *Public Health Informatics*, American Medical Informatics Association 10x10 Certificate (Department of Medical Informatics and Clinical Epidemiology, Oregon Health Sciences University, School of Medicine), 2008.

PROFESSIONAL EXPERIENCE:

Deputy District Health Officer-Operations
Southern Nevada Health District
Division of Disease Surveillance & Control
2023-Current

Director of Disease Surveillance & Control
Senior Deputy, Big Cities Health Coalition
Southern Nevada Health District
Division of Disease Surveillance & Control
2021-2023

Director of Public Health Policy & Planning
Health System
San Mateo County
San Mateo
2016-2021

Director of Community Health
Southern Nevada Health District
Community Health Division
Las Vegas, NV
2014-2016

Deputy Director/Epidemiology Program Manager
County of Sacramento
Department of Health and Human Services
Division of Public Health
Epidemiology Services
Sacramento, California
2001-2014

Research Scientist
California Department of Public Health
Children's Medical Service
Sacramento, California
2001

Scientist
United States Public Health Service
Centers for Disease Control and Prevention
Epidemiology Program Office, Atlanta, Georgia
Lansing, Michigan
1999-2001

Clinical Diet Technician
Woodland Memorial Hospital
Woodland, California
1994-1995

TEACHING EXPERIENCE:

Contributing Faculty
Walden University
School of Public Health
School of Health Sciences
2006-2015

Part-time Faculty
University of Maiduguri, Nigeria, West Africa
School of Medicine
1997-1998

Instructor
Sacramento State University
Family and Consumer Sciences
1996-1997

SUMMARY OF PROFESSIONAL EXPERIENCE:

Deputy District Health Officer-Operations, Southern Nevada Health District (11/2023-Current)

As a key executive within the Health District, I provide leadership, strategic direction, and oversight to multiple divisions, including Public Health & Preventive Care, Environmental Health, Disease Surveillance & Control, and Community Health, ensuring their alignment with public health objectives. My role involves managing critical programs within these divisions while overseeing policy implementation and regulatory compliance. I collaborate with internal teams and external stakeholders to ensure effective service delivery and program performance. This position supervises division directors and offers guidance on operational improvements, community engagement, and advancing the Health District's mission and goals.

Essential Responsibilities across all divisions:

- Direct and manage programs in Primary Care, Environmental Health, Community Health, and Disease Control.
- Serve as Acting District Health Officer in the DHO's absence.
- Develop and implement policies ensuring compliance with regulations.
- Guide and supervise division directors, program managers, and department heads.
- Lead strategic planning initiatives, ensuring alignment across all divisions with the Health District's goals.
- Collaborate with division heads to ensure efficient resource allocation and service delivery.
- Evaluate operational performance and implement improvements across divisions to enhance outcomes.
- Ensure compliance with public health standards, fostering collaboration between divisions for integrated service delivery.

I oversee the supervision of more than 550 full-time employees (FTEs) and manage a budget exceeding \$110 million. My leadership ensures that all assigned divisions maintain efficient service delivery while aligning with the Health District's strategic goals. Through continuous assessment and innovative problem-solving, I foster a collaborative environment to advance the District's public health mission.

Director of Disease Surveillance & Control, Southern Nevada Health District (05/2021 to 11/2023):

As the Director of Disease Surveillance & Control, I held a vital leadership position within the Southern Nevada Health District (SNHD), reporting directly to the District Health Officer. In this role, I was responsible for strategic planning, management, and oversight of the Disease Surveillance and Control Division. Additionally, I served as the Senior Deputy for the Big City Health Coalition (BCHC), representing SNHD and advocating for its interests in all relevant matters. This included effectively communicating SNHD's business on behalf of the Health Officer and Division Directors, as well as collaborating with other BCHC Senior Deputies to develop leadership skills, exchange ideas, share strategies, and discuss emerging trends related to infrastructure, infectious diseases, non-infectious diseases, and data modernization.

My essential responsibilities encompassed a wide range of areas, including:

- Developing and implementing public health policies aligned with SNHD's mission and goals, overseeing the Office of Acute Communicable Disease Control, Office of Disease Surveillance, Office of Informatics and Epidemiology and COVID Community Response.
- Managing Division goals, policies, and priorities, optimizing resource allocation for effective service delivery.
- Establishing partnerships and collaborations to enhance disease prevention and control measures.
- Representing the Division to District divisions, elected officials, and external agencies, addressing sensitive issues through negotiation and resolution.
- Selecting, training, and evaluating Division personnel, promoting interdisciplinary collaboration.
- Managing the Division budget, forecasting funding requirements and approving expenditures.
- Coordinating Division activities with other divisions, medical societies, and external agencies.
- Providing staff assistance to the District Health Officer and Board of Health, preparing reports and correspondence.
- Staying informed about current trends in the field, addressing citizen inquiries and complaints promptly.

In addition to my leadership responsibilities, I oversaw a budget of over \$36 million and provided direct and indirect supervision to a diverse team of 160 managerial, clinical, professional, technical, and clerical staff members. Working collaboratively with the SNHD executive team, I contributed to the planning of overall departmental policies and engage in staff engagement and improvement efforts.

Director of Public Health Policy & Planning, San Mateo County, California (2/2016 to 4/2021):

During my tenure as the Director of Public Health, Policy, and Planning, I played a vital role in promoting the health and well-being of San Mateo County residents and animals. With a strong commitment to public health, my primary objective was to ensure that every individual in the county had the opportunity to lead longer and healthier lives.

Leading the San Mateo County Health Systems, I spearheaded various initiatives to safeguard public health, with a particular focus on the following key areas:

- Protecting the community from communicable diseases, including leading the COVID-19 response: I implemented comprehensive measures, collaborated with local health agencies, and promoted vaccinations to effectively respond to outbreaks and establish community testing locations.
- Delivering clinical services to vulnerable residents: Prioritizing equitable access to healthcare, I partnered with organizations and implemented programs such as the Edison Clinic and Mobile Primary Care Services to bridge gaps in healthcare delivery and serve underserved communities.
- Advancing policy solutions: I drove evidence-based policies to address chronic diseases, substance abuse, homelessness, and health inequities, collaborating with stakeholders to promote prevention and equitable access to healthcare.
- Implemented the Whole Person Care waiver: Through comprehensive care and addressing co-occurring disorders (substance use/behavioral health), we successfully supported over 90 formerly unhoused clients, facilitating stability and improved health outcomes.
- Partnering with Peninsula Humane Society (PHS): Collaborated with PHS, to build a \$30 million Animal Shelter, increased rabies vaccinations, and enforced laws to reduce dog bites in the community.

I provided oversight for a budget of over \$38 million and managed a diverse team of 200 professionals, including managers, clinicians, technical experts, and support staff. Furthermore, I allocated funds, amounting to over \$33 million, to various divisions within the Health System. This included directing resources towards essential services such as Correctional Health Services, Health Information Technology, Behavioral Health Services, Health Plan of San Mateo, the Human Services Agency, and the San Mateo Medical Center.

Director of Community Health, Southern Nevada Health District (4/2014 to 2/2016):

As the Director of Community Health for SNHD, my role encompassed the development and implementation of public health policies aligned with the mission and overarching goals of SNHD. I led and directed efforts to protect, promote, and enhance the health of all residents, which included monitoring the health status of over 2.1 million residents and 40 million visitors annually.

One of my key responsibilities was overseeing the Office of Vital Statistics, which involved coordinating with Clark County Coroner Services on matters related to the registration of Coroner cases, legal statutes, registration technology, and the establishment of policies and procedures. Additionally, I assumed responsibility for various offices, including the Office of Epidemiology, the Office of Chronic Disease Prevention & Health Promotion, Informatics, Office of Public Health Preparedness, Office of Emergency Medical Services and Trauma System, Office of Disease Surveillance, and the Southern Nevada Public Health Laboratory.

Collaboration with community partners, both public and private, was an essential aspect of my role, as was representing SNHD in engagements with boards, commissions, elected officials, and external agencies. Enforcing laws, providing strategic leadership, developing policies, and conducting health assessments through data and surveillance were among my core responsibilities. I also focused on improving the direct delivery of public health services, effecting changes in the built environment through policy, systems, and environmental change, creating public health accreditation products, overseeing quality improvement initiatives, and supervising a highly competent management team.

I oversaw a budget of over 18 million annually comprised of over 120 full-time equivalents. I coordinated with the Finance Department to distribute funds for salaries, fringe benefits, overhead costs, indirect costs, depreciation, and general funds. Monthly meetings were held with managers and the administrative analyst to monitor grant encumbrances and expenditures, while bi-weekly meetings were conducted to track carryover funds and review redirect requests. Lastly, collaborative efforts were undertaken to develop operational strategic plans that included short-term, intermediate, and long-term goals and objectives, which were updated and evaluated annually.

Chief Epidemiologist, Sacramento County, CA (11/2001 to 3/2014):

As the Chief Epidemiologist for the Sacramento County Health and Human Services agency, I held a pivotal role within the Division of Public Health. My responsibilities included planning, coordinating, and managing epidemiology and disease surveillance

activities. This encompassed areas such as HIV/AIDS, communicable disease control, vital records, and more.

During my tenure, I collaborated with over 20 programs within the Department of Health and Human Services, overseeing multiple programs within the Division of Public Health. Additionally, I served as the Chief Deputy Registrar of Vital Records, contributing to the coordination of Meaningful Use Health Information IT.

I conducted in-depth analysis to identify disease patterns and health conditions in the community, actively participated in epidemiological studies, and presented findings to various commissions and policy groups, including the Board of Supervisors.

With a budget of approximately \$4.86 million for epidemiology services and overall budget oversight for the Division of Public Health's \$25 million budget, I ensured effective resource allocation and utilization for disease surveillance, outbreak response, and public health initiatives.

Throughout my tenure, I fostered collaboration among stakeholders, including program managers, staff members, and community organizations, such as the March of Dimes and Child Death Review Team. I also carried out management, supervisory, and administrative duties, monitoring contracts, writing grants, and representing the Division of Public Health in engagement with interdisciplinary groups, public health advisory boards, health officer meetings and local agencies.

Overall, as the Chief Epidemiologist, I played a critical role in safeguarding the health of Sacramento County residents through effective disease surveillance and outbreak response, while enhancing collaboration and data-driven decision-making to strengthen public health outcomes.

Contributing Faculty, Walden University, Minneapolis, MN (12/2006 to 8/2015):

As a contributing faculty member at Walden University, I had the privilege of teaching a diverse range of courses in the School of Public Health. These courses included, but were not limited to, principles of epidemiology, health informatics, public health informatics, infectious disease, and community health.

In addition to my teaching responsibilities, I played an instrumental role in mentoring over 30 students who were pursuing master's and doctoral degrees in public health and epidemiology. Through regular guidance and support, I assisted these students in their academic and professional development.

Furthermore, I actively participated in thesis and doctoral committees, offering my expertise and insights to contribute to the successful completion of numerous research

projects. I took pride in witnessing the growth and accomplishments of my students, as evidenced by the seven doctoral students I mentored who obtained their degrees in Public Health and/or Epidemiology.

During my tenure at Walden University, I consistently demonstrated my commitment to excellence in education and the advancement of knowledge in the field of public health.

Research Scientist, California Department of Health Care Services, Sacramento, CA (6/2001 to 11/2001):

Supervised and led the Data and Research Evaluation Unit (DARE UNIT) within the Program Support Section for the California Children Medical Services program. Developed and directed research methods and survey techniques to assess attitudinal and motivational factors in the children with special health care needs (CSHCN) population. Analyzed surveillance data, prepared state reports, and provided research consultation to county health departments. Assisted counties in enhancing child health capacity and evaluating programs like California Children's Services, Medical Therapy Units, Child Health and Disability Prevention program, Health Passport, and the Genetic Disease program. Performed administrative and supervisory tasks related to program evaluation, including contract monitoring, budget management, and grant writing. Conducted challenging epidemiological studies and contributed to advancing knowledge in environmental epidemiology and child health.

Overall, my role involved leading research, supervisory responsibilities, and program evaluation to improve child health outcomes in California.

Epidemic Intelligence Service (EIS) Officer, Centers for Disease Control, Michigan Department of Community Health-Lansing, Michigan (06/1999 to 6/2001):

Led and supervised field investigations, ensuring effective public health response to critical situations. Designed, conducted, and interpreted epidemiological analyses using both new and existing databases. Developed, analyzed, and implemented public health surveillance systems to monitor disease trends and identify potential outbreaks. Authored scientific manuscripts and delivered written and verbal reports to the bureau of epidemiology and the national scientific community. Provided timely and accurate responses to written and oral inquiries related to public health issues. Supervised and mentored student interns, graduate students, preventative medicine fellows, and epidemiologists during the EIS program. Served as a consultant for communicable disease outbreaks in Michigan counties.

Collaborated with multidisciplinary groups and various organizations, including the Michigan Public Health Institute, March of Dimes, American College of Obstetricians

and Gynecologists, City of Detroit Health Department, University of Michigan, and Michigan State University.

In this role, I played a vital role in leading field investigations, conducting epidemiological analyses, and implementing surveillance systems to protect public health. I effectively communicated findings to both internal and external stakeholders and collaborated with diverse organizations to address public health challenges in Michigan.

Clinical Diet Technician, Woodland Memorial Hospital, Woodland, CA (1/1996 to 2/1997):

As a Clinical Diet Technician at Woodland Memorial Hospital, I was responsible for planning nutritious menus and clinical diets for patients throughout the day. I conducted consultations at the bedside, assessed the nutritional needs of newly admitted patients, and collaborated closely with physicians and mid-level providers to recommend appropriate diets. Additionally, I meticulously documented patient information, including SOAP notes, and ensured the accuracy and currency of their medical charts.

DISSERTATION AND THESIS SERVICE

Doctoral Dissertations (Chair)

- **Cruz-Espailat, Grisseel, PhD.** A Cross-Sectional Study: Dietary Micronutrient Levels in Allied Health and Nursing Students. *Dissertation Published March 2015.*
- **Williams, Thalia, PhD.** A Longitudinal Study of the Predictors of Sexually Transmitted Infections among African American Adolescents. *Dissertation Published May 2014.*
- **Andrew Kucharski, Ph.D.** Relationship between Vitamin D Status and Income: Results of the 2005-2006 NHANES. *Dissertation Published May 2014.*
- **Arlene London, Ph.D.** Relationship between Depression and Ethnicity status in Diabetes Management among Ethnic Minority Women. *Dissertation Published September 2013.*
- **Fatsani, Dogani, Ph.D.** Making Effective Use of Employee Vaccination Data to Improve Health Care Workers Seasonal Influenza Vaccination Rates in a Large Healthcare System in San Diego. *Dissertation Published May 2013.*
- **Johnson, Anika, Ph.D.** Determinants of High Pre-pregnancy BMI of Puerto Rican WIC Participants in the United States. Walden University. *Dissertation Published February 2013.*
- **Peoples, Marie Ina, Ph.D.** Infant Mortality Disparities in Missouri: A Community Health Center perspective. *Dissertation Published October 2011.*

Doctoral Dissertations (Committee Member)

- **Waters, Elisa, Ph.D.** HIV/AIDS and Bodish Migrants of Nepal: A

Phenomenological Study, 2009. *Dissertation Published January 2013.*

Master's Thesis (Committee Member)

- **Watson, Victoria, MPH.** Assessing Pregnant Women's Knowledge and Attitude of Obesity Risk Related to Maternal and Fetal Outcomes. 2008
- **Oliver, Melissa, MPH.** The impact of inadequate housing on the learning and development of low-income and minority children and a critical analysis of the assessment tools available to professionals and lay professionals in the home (home visitors, family liaisons, visiting nurses, home health aides) to identify housing concerns. 2009

TRAINING AND PRACTICUMS

Centers for Disease Control and Prevention, Epidemic Intelligence Service Officer

- Geoff Melly, PhD (July 2024-Current). Primary Supervisor, SNHD.
- Jessica Penney, MD (July 2022-June 2024). Primary Supervisor, SNHD.
- Jeanne Ruff, RN, MPH (July 2020-2022). Secondary Supervisor, SNHD
- Kaci Hickox, RN (July 2012-2014)). Secondary Supervisor, SNHD.
- Monica Adams, PhD, MPH (July 2014-2016). SNHD.

California Epidemiologic Investigation Service Program

- Mina, Mohammadi (November 2010). Primary Supervisor.

Master's Practicum (MPH Preceptor)

- Pan, Jimmy (June 2008). Post-Partum Depression in the County of Sacramento. A Gap Analysis and Policy Scan and Need to Educate Providers. University of California, Davis.
- Shunmuga, Priya, M.D. (June 2006). Prevalence and Risk Factors for Overweight Children in Sacramento County. University of California, Davis.

SERVICE:

University and Applied Public Health Practice

- Advisory Board Member, University of California, Davis, Health Informatics Advisory Board, 1333 Research Park Drive, Davis, CA
- Committee Member, Center for Health and Nutrition Research, University of California, Davis, CA
- Preceptor, University of California, School of Public Health, Davis, CA
- Advisory Board Member, California Epidemic Investigation Service, California Department of Public Health, Sacramento, CA

Community

- March of Dimes, California Chapter, Prevention Services Committee Member, San Francisco, CA
- March of Dimes, Greater Sacramento Chapter, Prevention Services Committee Member, Sacramento, CA
- Child Death Review Team, Committee Member, Sacramento, CA

Professional

- Peer Reviewer (Council of State and Territorial Epidemiologist)
- Peer Reviewer (Maternal and Child Health Journal)
- Peer Reviewer (American Journal of Public Health)
- Peer Reviewer (Journal of the American Medical Informatics Association)

POLICY & COMMUNITY GROUPS:

- **Nevada Public Health Foundation, Board Member**
- Big City Health Coalition
- Health Executive Council-San Mateo Health System
- HIT Governance Board-San Mateo Health System
- Joint Initiatives Coordination Workshop (San Mateo Medical Center)
- Healthy Community Collaborative-San Mateo County
- County Health Executives Associate of California (CHEAC)
- BARHII Bay Area Regional Health Inequities Initiative
- LEAP Steering Committee-San Mateo Health System
- SNHD Public Health Accreditation Team, 2014
- SNHD Community Transformation Grant Leadership Team, 2014
- Sacramento Board of Supervisors, Blue Ribbon Commission Member 2012-2013
- Fetal Infant Mortality Review Team 2003-2009
- Childhood Obesity Coalition, 2003-2007
- Alcohol and Drugs, Changing the Landscape Committee, 2003-2005
- Perinatal Child Health Advisory Committee 2004-2009
- Sacramento County Children's Coalition 2003-2007
- Perinatal Periods of Risk Approach Leadership Committee 2006-2009
- Michigan Maternal Mortality Review Team 2001

RESEARCH / GRANTS:

Public Health Infrastructure Grant (PI: Cassius Lockett). The objective of this five-year grant is to strengthen the U.S. Public Health Infrastructure, Workforce, and Data Systems.

COVID-19 Disparities Grant (PI: Cassius Lockett): The objective of this 2-year grant is to advance health equity among high-risk and underserved populations and people living in rural areas.

Overdose Data to Action CDC Cooperative Agreement (PI: Cassius Lockett): The objective of this grant is to address the opioid crisis based on five key strategies: 1) surveillance and research 2) building local capacity 3) supporting providers, health systems and payers 4) partnerships with public safety and 5) empowering consumers to make safe choices.

Ending the HIV Epidemic CDC Cooperative Agreement (PI: Cassius Lockett): The objective of this cooperative agreement is part of an initiative to end the HIV epidemic in America in ten years. The grant allows for flexibility to customize implementation strategies.

COVID-19 CDC Epidemiology Laboratory Capacity (ELC) Enhancing and Detection, COVID-19ELC41 (Project Lead: Cassius Lockett): Part of the Paycheck Protection Program and Healthcare enhancement Act response for cross-cutting emerging issues in support of COVID-19 testing and epidemiological surveillance activities.

COVID-19 CDC Epidemiology and Laboratory Capacity (ELC), Coronavirus Aid, Relief and Economic Security Act (CARES) 2020 emerging issues project funding to adjust community mitigation in response to COVID-19 (Project Lead: Cassius Lockett): Objective is to enhance ability to aggressively identify cases, conduct contact tracing and follow-up, implement containment measures, improve surveillance, enhance laboratory testing and protect the vulnerable.

Partnerships to Improve Community Health Funding Opportunity Number CDC-RFA-DP14-1417 (PI: Cassius Lockett): The objective of this cooperative agreement with the Centers for Disease Control and Prevention (CDC) was to support partnerships to address tobacco use and exposure, poor nutrition, physical inactivity and lack of access to chronic disease prevention, risk reduction and management opportunities in Clark County, Nevada.

Council of State and Territorial Epidemiologist Reportable Condition Knowledge Management System Partnership funding to support electronic case reporting. (PI: Cassius Lockett): Objective is to support development of electronic case reporting criteria in rules that can be consumed by an open source CDS and used to determine if an electronic laboratory report or initial case report should be sent from a provider to public health.

BioSense 2.0 Funding Opportunity Number CDC-RFA-OE12-1202 (PI: Cassius Lockett): Objective of this CDC grant was to support building State, Local, Tribal, and Territorial Surveillance Capacity to Enhance Regional and National All Hazards Public Health Situational Awareness by facilitating early detection and response to novel infectious disease conditions and emerging diseases.

ACCOMPLISHMENTS:

- Southern Nevada Health District (2021-Current)
 - Collaborated with UNLV on developing wastewater surveillance website: [Wastewater Surveillance - Nevada EMPOWER \(rbk6.github.io\)](https://rbk6.github.io)
 - Assisted with setting up over 20 COVID-19 Community testing sites including but not limited to two federal ICATT sites (Texas Station/Fiesta Henderson) that could test up to 2,000 residents/day.
 - Deployed COVID-19 antigen test kit vending machines in six urban and rural locations in Clark County.
 - Developed Whole Genome Sequence testing prioritization protocol.
 - Updated disease surveillance system from TriSano to EpiTrax.
- San Mateo County Health (2016-2021)
 - Constructed new \$30 million dollar 30,000 sf San Mateo County [Animal Shelter](#) facility
 - Winner of Silicon Valley Bicycle Award safe routes to school equity analysis -<https://bikesiliconvalley.org/2018/08/2018-bike-summit-award-project-of-the-year-get-healthy-smc>.
 - Bridges to wellness Team. Housed over 80 formerly homeless residents with co-occurring substance use and mental health illness.
 - Started Transgender Clinic.
- Southern Nevada Health District (2014-2016)
 - Created healthy Southern Nevada [data dashboard](#).
 - Principal Investigator for a \$9.0 million dollar Centers for Disease Control (CDC) grant to address tobacco use and exposure, poor nutrition, physical inactivity and lack of access to chronic disease prevention, risk reduction and management opportunities in Clark County, Nevada.
- Sacramento County (2001-2014)
 - Created local web-based disease surveillance system, adopted by the State of California.
 - Co-authored \$9 million-dollar home visitation grant.
 - Implemented the perinatal periods of risk approach used to reduce infant mortality and child deaths.
- Walden University (2009-2018)
 - Extraordinary Faculty Award
 - Best doctoral dissertation award using the Perinatal Periods of Risk approach.
- Centers for Disease Control and Prevention (1999-2001)
 - In 1999, evaluated and redesigned the Michigan Maternal Mortality Surveillance System to reduce the largest maternal mortality racial disparity in the United States.
 - Department of Health and Human Services, Secretary's Award for Distinguished Service (Donna E. Shalala). Member, Rotavirus/Intussusception Team, 2000.
- University of New Mexico, School of Medicine, 1997.

- Minority International Research Training Award Recipient (Fogarty Grant)

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- Member, American College of Epidemiology
- Member, American Medical Informatics Association
- Member, American Public Health Association
- Member, Council of State and Territorial Epidemiologists

SAMPLE PEER REVIEWED PUBLICATIONS & MMWR:

Penney JA, Zhang Y, Bragg T, Bryant R, **Lockett C**. Notes from the Field: Pediatric Intracranial Infections - Clark County, Nevada. 2022. MMWR Morb Mortal Wkly Rep. 2023 Jun 2;72(22):606-607. doi: 10.15585/mmwr.mm7222a4. PMID: 37262006; PMCID: PMC10243483.

Van V, A Harrington, C Chang, H Baker, M. Moshi, N Ghani, J Itorralba, R Tillett, E Dahlmann, N Basazinev, R Gu, T Familara, S Boss, F Vanderford, M Ghani, A Tang, A Matthews, K Papp, E Khan, C Koutras, H Kan, **C Lockett**, D Gerrity, Edwin C. Oh, Identification and genome sequencing of an influenza H3N2 variant in wastewater from elementary schools during a surge of influenza A cases in Las Vegas, Nevada, Science of The Total Environment, Volume 872, 2023, 162058, ISSN 0048-9697, <https://doi.org/10.1016/j.scitotenv.2023.162058>.

V Vo, A Harrington, S Afzal, K Papp, C Chang, H Baker, P Aguilar, E Buttery, M Picker, **C Lockett**, D Gerrity, H Kan, Edwin C. Oh. Identification of a rare SARS-CoV-2 XL hybrid variant in wastewater and the subsequent discovery of two infected individuals in Nevada. Science of The Total Environment, Volume 858, Part 3, 2023, 160024, ISSN 0048-9697.

A Harrington, V Vo, K Papp, R Tillett, C Chang, H Baker, S Shen, A Amei, **C Lockett**, D Gerrity, Edwin C. Oh. Urban monitoring of antimicrobial resistance during a COVID-19 surge through wastewater surveillance. Science of The Total Environment, Volume 853, 2022, 158577, ISSN 0048-9697.

ST. Allen, A O'Rourke, J Johnson, C Cheatom, Y Zhang, B Delise, K Watkins, K Reich, R Reich & **C Lockett** (2022). Evaluating the impact of naloxone dispensation at public health vending machines in Clark County, Nevada. Annals of Medicine, 54:1, 2680-2688, DOI: [10.1080/07853890.2022.2121418](https://doi.org/10.1080/07853890.2022.2121418)

J Ruff, Y Zhang, M Kappel, S Rathi, K Watkins, L Zhang, **C Lockett**. Rapid Increase in Suspected SARS-CoV-2 Reinfections, Clark County, Nevada. December 2021. Emerg

Infect Dis. 2022; 28(10):1977-1981 URL: <https://stacks.cdc.gov/view/cdc/122133>

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