

ELC ENHANCING DETECTION: NEVADA TESTING PLAN

2020 Overarching Jurisdictional SARS-COV-2 Testing Strategy

Jurisdiction:	Nevada
Population Size:	3,160,965

1. Describe the overarching testing strategy in your state or jurisdiction.

Nevada is currently testing at or above 2% of our population. As of May 29th, Nevada has completed 155,449 PCR tests. There have been 8,350 confirmed cases and 410 deaths statewide. Each local jurisdiction is required to maintain at least 2% of population testing for their service areas and increase as needed over time. Nevada's public health laboratories use both a mid-throughput testing and the Hologic Panther high throughput. This testing technology is not only capable of rapid testing at a lab site, but also uses collection kits and is best suited for use with outbreak analyses and testing of large facilities where several tests need to be performed at once such as prisons and skilled nursing facilities. Nevada is currently using our public health laboratories, hospital laboratories and commercial laboratories to perform SARS-CoV-2 testing. Plans have been developed to rapidly scale testing to meet increased demand including point-of-care and rapid result testing.

Nevada will continue to increase non-traditional laboratory site testing and has provided testing at residential medical facilities, community centers, casinos, and homeless encampments. The local health authorities will increase community mobile testing at sites such as grocery stores, pharmacies, and food distribution centers.

Nevada has done minimal serology testing to date but will move into more antibody testing in the next coming months.

Nevada's State Public Health Laboratory's Director, Dr. Pandori has been appointed by Nevada's Governor to serve as Nevada's Testing Chief. Dr. Pandori will work with the local health departments and the State public health on increasing communication and collaboration between all jurisdictions. Currently each local health department and the laboratories staff participate in no less than weekly update calls.

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Table #1a: Number of individuals planned to be tested, by month

BY MONTH:	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
Diagnostics*	101,431	113,674							215,105
Serology	0	5,000							5,000
TOTAL	101,431	118,674	0	0	0	0	0	0	

Table #1b: Planned expansion of testing jurisdiction-wide

Name of testing entity	Testing venue (select from drop down)	Performing Lab (if different from testing entity)	Daily diagnostic through-put	Daily serologic through-put	Platforms or devices used (list all)	Specific at-risk populations targeted (list all)
Southern Nevada Public Health Laboratory	Public health lab		2,000	1,000		elderly, HIV Positive, nursing homes, prisons, minorities, homeless
UMC/UNLV	Commercial or private lab					Elderly, High-Risk populations, Front line workers

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Name of testing entity	Testing venue (select from drop down)	Performing Lab (if different from testing entity)	Daily diagnostic throughput	Daily serologic throughput	Platforms or devices used (list all)	Specific at-risk populations targeted (list all)
Southern Nevada Health Clinic	Federally Qualified Health Center	Southern Nevada Public Health Laboratory				Ethnic minorities, disabled, elderly, public
Carson City Health and Human Sevices	Drive-thru testing site	Nevada State Public Health Laboratory				Elderly, disable, nursing homes, congregate living settings, healthcare workers, person experiencing homelessness
Carson City Health and Human Sevices	Community-based	Nevada State Public Health Laboratory				Elderly, disable, nursing homes, congregate living settings, healthcare workers, person experiencing homelessness

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Name of testing entity	Testing venue (select from drop down)	Performing Lab (if different from testing entity)	Daily diagnostic throughput	Daily serologic throughput	Platforms or devices used (list all)	Specific at-risk populations targeted (list all)
Carson Tahoe Regional Health Care	Hospitals or clinical facility					Community, healthcare workers
South Lyon Medical Center	Hospitals or clinical facility					Community, healthcare workers
Carson Valley Medical Center	Hospitals or clinical facility					Community, healthcare workers
Tribal Clinics	Hospitals or clinical facility					Community, healthcare workers
Private Health Care Providers	Hospitals or clinical facility					Community, healthcare workers
Washoe County Livestock Event Center	Drive-thru testing site	Nevada State Public Health Laboratory	900			All community members volunteering to be tested to include high-risk populations up to 900 tests per day. This testing event will be held for 6 days starting May 30 through June 5, 2020.

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Name of testing entity	Testing venue (select from drop down)	Performing Lab (if different from testing entity)	Daily diagnostic throughput	Daily serologic throughput	Platforms or devices used (list all)	Specific at-risk populations targeted (list all)
Nevada Public and Behavioral Health Community Health Nursing	Community-based	Nevada State Public Health Laboratory	100	67		Rural and Frontier community members, ethnic minority, poverty line or homeless, elderly, disabled, nursing homes, other congregate living settings.
Nevada State Public Health Laboratory	Public health lab	Nevada State Public Health Laboratory	1,500	500		Prisons, skilled nursing facilities, nursing homes, other congregate living settings, minorities, healthcare workers, homeless.
Quest	Commercial or private lab		300	100		Elderly, disable, nursing homes, congregate living settings, healthcare workers
LabCorp	Commercial or private lab		200	125		Elderly, disable, nursing homes, congregate living settings, healthcare workers
Clinical Pathology Laboratory	Commercial or private lab		200			Elderly, disable, nursing homes, congregate living settings, healthcare workers

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2020 Direct Expansion of SARS-COV-2 Testing by Health Departments

2. Describe your public health department's direct impact on testing expansion in your jurisdiction.

Nevada's Division of Public and Behavioral Health (DPBH) is contracting with Salesforce and Deloitte to provide contact tracing staff for the entire state's need to include the local jurisdictions and our tribal communities. This will free up State staff to provide further investigation and surveillance activities. Virtual space will be created to house most staff and commercial space is being contracted to be able to house call centers. Testing capacity has been part of the local health departments current activities and will maintain their ability to provide needed testing and increase as demand is needed. Testing equipment, platforms, and freezers will be needed at the public health labs to support the demand of additional required testing. Additional staffing will be needed to provide longer laboratory hours of operation and the Nevada universities will assist in providing support.

Each jurisdiction will focus on high-risk populations and provide testing to senior living facilities, prisons, homeless camps, and food distribution sites. Drive-through testing sites have been ongoing and will increase in frequency to allow ease of access for the community and the ability to provide multiple tests be collected simultaneously.

Nevada has set up an Emergency Operations Center (EOC) and working through the center and the Department of Emergency Management, they have designated staff to provide statewide purchasing of needed assets and supplies. As need, jurisdictions are able to contact the EOC to request needed supplies. Once testing samples have been collected, the laboratory reports results to the DPBH and then DPBH reports directly to the CDC on a daily basis.

Minimal serology testing has been done statewide to date. Plans to increase antibody testing across the state is being developed and has started at our Southern Nevada Public Health Lab. All participating laboratories in Nevada will begin to provide Serology testing regularly in June 2020.

Nevada is upgrading surveillance and notification systems and equipment with this and other funding. Once configured and upgraded the plan is to move to a singular surveillance platform throughout the state. Online portals and dashboards have been created for each local health authority and DPBH. Expansion for these sites where communities can get test results and order self-collected kits will be developed once this opportunity is available.

As described above, DPBH is working with staffing agencies to provide contact tracers. In addition, we are contracted with MHM Services for immediate local contractors. Partnering with the Universities as well provides public health educated staffing and will be an ongoing resource for state and local health departments. Also described above is our supply acquisition strategy but in addition, the Nevada State Laboratory has contracts with many vendors that provide reagents and testing supplies directly to the lab and the lab is able to provide these to partner labs across the state.

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Table #2: Planned expansion of testing driven by public health departments

BY MONTH:	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
Number of additional* staff to meet planned testing levels	0	14							14
FOR DIAGNOSTIC TESTING									
How many additional* testing equipment/devices are needed to meet planned testing levels? (provide an estimated number, and include platform details in narrative above)	0	2							2
Volume of additional swabs needed to meet planned testing levels ⁺⁺	0 ⁺⁺	2,000							2,000
Volume of additional media (VTM, MTM, saline, etc.) needed to meet planned testing levels ⁺⁺	0 ⁺⁺	1,000							1,000
Volume of additional reagents needed to meet planned testing levels, by testing unit and platform (i.e. 100K/day - Hologic panther; 100k/day - Thermofisher)	4000/day - Hologic; 5,000/per day - Panther	5,000/day Panther; 12,000/day Hologic							
FOR SEROLOGIC TESTING									

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BY MONTH:	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	TOTAL
Number of additional* equipment and devices to meet planned testing levels		4x Rapid Testing 4x Point of Care Testing 1x Quant Studio Dx 1x Cepheid GenExpert 1x Abbott ID Now 1x Ultra Low Freezer 1x -20 Freezer 1x Refrigerator							0
Volume of additional reagents needed to meet planned testing levels, by testing unit and platform (i.e. 100K/day - Hologic panther; 100k/day - Thermofisher)		10,000/day - BioRad							

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* Report new monthly additions only, not cumulative levels

++ For May and June, only include needs beyond the supplies provided by FEMA. Report new monthly additions only, not cumulative levels.