

ELC ENHANCING DETECTION: MICHIGAN TESTING PLAN

2020 Overarching Jurisdictional SARS-COV-2 Testing Strategy

| | |
|------------------|-------------|
| Jurisdiction: | Michigan |
| Population Size: | 9.9 million |

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

See attachment: "Paycheck Protection Act Testing Plan July-Dec vF"

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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* | 422,939 | 434,599 | 600,000 | 750,000 | 850,000 | 900,000 | 900,000 | 900,000 | 5,757,538 |
| Serology | 91,075 | 65,500 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 50,000 | 456,575 |
| TOTAL | 514,014 | 500,099 | 650,000 | 800,000 | 900,000 | 950,000 | 950,000 | 950,000 | |

*Each jurisdiction is expected to expand testing to reach a minimum of 2% of the jurisdictional population.

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 | Specific at-risk populations targeted (list all) |
|--|---------------------------------------|---|------------------------------|-----------------------------|---|
| Michigan Bureau of Laboratories (MDHHS) | Public health lab | | 1,600 | 1,000 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |
| Michigan Region 2N (Oakland County Health Department Laboratory) | Public health lab | | 500 | 100 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |

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|---|---------------------------------------|---|------------------------------|-----------------------------|---|
| Michigan Region 3 (Saginaw County Health Department Laboratory) | Public health lab | | 500 | 100 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |
| Michigan Region 5 (Kalamazoo County Health Department Laboratory) | Public health lab | | 500 | 100 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |
| Michigan Region 6 (Kent County Health Department Laboratory) | Public health lab | | 500 | 100 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |
| Michigan Region 7 (Health Department of Northwest Michigan/Northern Michigan Regional Laboratory) | Public health lab | | 500 | 100 | Uninsured, high risk congregate care, healthcare workers, critical infrastructure, underserved and homeless |
| Helen Joy Newberry | Hospitals or clinical facility | | 100 | 25 | Rural population |

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| 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 | Specific at-risk populations targeted (list all) |
|---|---------------------------------------|---|------------------------------|-----------------------------|---|
| War Memorial | Hospitals or clinical facility | | 160 | 25 | Rural population |
| Garden City Hospital & Lake Huron Medical Center | Hospitals or clinical facility | | 160 | 25 | homeless, congregate care, high risk tertiary medical center patients |
| Schoolcraft Memorial Hospital | Hospitals or clinical facility | | 40 | 25 | Rural population |
| VA Medical Center Ann Arbor | Hospitals or clinical facility | | 100 | 100 | Verteran population, homeless, under insured |
| Hurley | Hospitals or clinical facility | | 160 | 100 | homeless, congregate care, high risk tertiary medical center patients |
| Upper Peninsula Health System-Marquette (DLP Marquette General Hospital | Hospitals or clinical facility | | 100 | 25 | Rural population |
| Upper Peninsula Health System-Portage | Hospitals or clinical facility | | 25 | 25 | Rural population |

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|---|---------------------------------------|---|------------------------------|-----------------------------|--|
| OSF Healthcare St. Francis Hospital and Medical Group | Hospitals or clinical facility | | 25 | 25 | Rural population |
| Munson Health Systems | Hospitals or clinical facility | | 1,000 | 250 | Rural population, high risk migrant worker population, tourist area of state |
| U of M | Hospitals or clinical facility | | 1,800 | 500 | homeless, congregate care, high risk tertiary medical center patients |
| Laboratory Specialists of Michigan | Commercial or private lab | | 25 | 0 | High risk population |
| Michigan State University | Other | | 700 | 0 | congregate care settings, overflow testing for other sites |
| Memorial Healthcare - Owosso | Hospitals or clinical facility | | 250 | 25 | Rural population |
| Orchard Toxicology | Commercial or private lab | | 1,000 | 0 | Paired with drive up testing |
| NxGen MDX | Commercial or private lab | | 10,000 | 0 | Paired with drive up testing |

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| 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 | Specific at-risk populations targeted (list all) |
|---------------------------|---------------------------------------|---|------------------------------|-----------------------------|--|
| Vibra Health Laboratories | Commercial or private lab | | 1,000 | 0 | Paired with drive up testing |
| Progenity | Commercial or private lab | | 750 | 0 | Paired with drive up testing |
| Helix Dagnostics | Commercial or private lab | | 1,000 | 0 | Paired with drive up testing, home nursing/hospice |
| Trident Biometrics | Commercial or private lab | | 500 | 1,000 | Paired with drive up testing |
| Garcia | Commercial or private lab | | 2,000 | 1,000 | Department of corrections and paired with drive up testing |
| Genemarkers | Commercial or private lab | | 700 | 0 | Paired with drive up testing |
| Arctic Laboratories | Commercial or private lab | | 500 | 0 | Paired with drive up testing |
| LynxDx | Commercial or private lab | | 500 | 0 | Paired with drive up testing |
| Northwest labs | Commercial or private lab | | 500 | 0 | Paired with drive up testing |
| Olive Biosciences | Commercial or private lab | | 2,500 | 0 | Paired with drive up testing |

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| 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 | Specific at-risk populations targeted (list all) |
|--------------------------|---------------------------------------|---|------------------------------|-----------------------------|---|
| Detroit Medical Center | Hospitals or clinical facility | | 1,000 | 1,000 | homeless, congregate care, high risk tertiary medical center patients |
| Sparrow | Hospitals or clinical facility | | 1,500 | 1,000 | homeless, congregate care, high risk tertiary medical center patients |
| McLaren | Hospitals or clinical facility | | 500 | 500 | homeless, congregate care, high risk tertiary medical center patients |
| Beaumont | Hospitals or clinical facility | | 3,000 | 500 | homeless, congregate care, high risk tertiary medical center patients |
| Spectrum | Hospitals or clinical facility | | 3,000 | 500 | homeless, congregate care, high risk tertiary medical center patients |
| Hawthorne Center | Hospitals or clinical facility | | 10 | 0 | State Psychiatric Center |
| Trinity Health Systems | Hospitals or clinical facility | | 4,000 | 1,000 | homeless, congregate care, high risk tertiary medical center patients |
| Ascension Health Systems | Hospitals or clinical facility | | 2,000 | 500 | homeless, congregate care, high risk tertiary medical center patients |
| Bronson | Hospitals or clinical facility | | 200 | 50 | homeless, congregate care, high risk tertiary medical center patients |

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|--|---------------------------------------|---|------------------------------|-----------------------------|--|
| Michigan Technological University | Hospitals or clinical facility | | 400 | 25 | Rural population |
| Forensic Fluids | Commercial or private lab | | 1,000 | 1,000 | Saliva for home care testing |
| Center for Forensic Psychiatry of Saline | Hospitals or clinical facility | | 10 | 0 | State Psychiatric Center |
| Walter Reuther | Hospitals or clinical facility | | 10 | 0 | State Psychiatric Center |
| Caro Center | Hospitals or clinical facility | | 10 | 0 | State Psychiatric Center |
| Kalamazoo Psychiatric Center | Hospitals or clinical facility | | 10 | 0 | State Psychiatric Center |

ELC ENHANCING DETECTION: MICHIGAN TESTING PLAN

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.

See attachment: "Paycheck Protection Act Testing Plan July-Dec vF"

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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 | 1 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 10 |
| 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) | | | Siemens 2 Centaur Serology instruments | | | 4 Panther PCR instruments | | | 0 |

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| BY MONTH: | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | TOTAL |
|---|---------|---------|---------|---------|---------|---------|---------|---------|-----------|
| Volume of additional swabs needed to meet planned testing levels ⁺⁺ | 100,000 | 200,000 | 700,000 | 800,000 | 900,000 | 900,000 | 900,000 | 900,000 | 5,400,000 |
| Volume of additional media (VTM, MTM, saline, etc.) needed to meet planned testing levels ⁺⁺ | 100,000 | 200,000 | 700,000 | 800,000 | 900,000 | 900,000 | 900,000 | 900,000 | 5,400,000 |

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| BY MONTH: | May-20 | Jun-20 | Jul-20 | Aug-20 | Sep-20 | Oct-20 | Nov-20 | Dec-20 | TOTAL |
|--|--------|--------|--|--|--|---|---|---|-------|
| Volume of additional reagents needed to meet planned testing levels, by testing unit and platform (i.e. 100K/day - Hologic panther; 100k/day - Thermofisher) | 0 | 0 | 56,000 - Hologic Panther 7,000- ThermoFisher | 56,000 - Hologic Panther 7,000- ThermoFisher | 56,000 - Hologic Panther 7,000- ThermoFisher | 112,000 - Hologic Panther 14,000 - ThermoFisher | 112,000 - Hologic Panther 14,000 - ThermoFisher | 112,000 - Hologic Panther 14,000 - ThermoFisher | |
| FOR SEROLOGIC TESTING | | | | | | | | | |
| Number of additional* equipment and devices to meet planned testing levels | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |

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|--|--------|--------|--------------------------------------|--------------------------------------|--|--|---|--|-------|
| Volume of additional reagents needed to meet planned testing levels, by testing unit and platform (i.e. 100K/day - Hologic panther; 100k/day - Thermofisher) | | | 10000 per month- Biorad Evolis | 20000 per month- Biorad Evolis | 20000 per month- Bioplex & Centaur | 20000 per month- Bioplex & Centaur | 25000 per month - Bioplex & Centaur | 30000 per month- Bioplex & Centaur | |

* 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.