COVID-19
Screening & Testing

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Founder and CEO, The Argo Collective

MFA Wellness Wednesday
5/27/20
COVID-19 Testing — Collection Locations

**On-premise**

**Definition:**
Testing done in a hospital setting.

**Pros:**
Often faster resulting.

**Pros:**
Often faster resulting.
Often less logistically feasible.

**Out-patient**

**Definition:**
Testing not done in a hospital setting.

**Pros:**
Often more accurate.
Often more logistically feasible.

**Pros:**
Often faster resulting.

***Self administered testing is becoming more prevalent, though general guidance requires requisite supervision of collection.***
COVID-19 Testing – Test Types

**RT-PCR**

**Definition:**
Testing for the presence of the virus, in an individual, at a certain point in time.

**Use Cases:**
Does the individual have the virus now?

Many companies are utilizing PCR testing to better control their employees results/data, in an effort to manage risk and safety.

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**Antibody**

**Definition:**
Testing for the presence of antibodies, in an individual, at a certain point in time.

**Use Cases:**
Has the individual had the virus, previously?

Many companies are utilizing Antibody testing to better control their employees results/data, in an effort to manage risk and safety.
COVID-19 Testing — Collection Types

RT-PCR
- Nasal swab
- Oral swab
- Sputum

Antibody
- Veinous draw
- Fingerstick
COVID-19 Testing — Should companies test?

**Pros**

- Can give companies the ability to better understand risk profile.
- Can give companies the ability to vet test types and ensure accuracy.
- Can give companies the ability to provide a benefit to their employees.
- Can give companies the ability to drive messaging (i.e. positive optics) to their clients.

**Cons**

- Can be seen as an unnecessary additive expense.
TEMPERATURE SCREENING IN PROGRESS
Temperature Screenings
The purpose of this tool is to assist employers in making (re)opening decisions during the COVID-19 pandemic, especially to protect vulnerable workers. It is important to check with state and local health officials and other partners to determine the most appropriate actions while adjusting to meet the unique needs and circumstances of the local community.

**Should you consider opening?**
- Yes

**Are recommended health and safety actions in place?**
- Yes
  - Promote healthy hygiene practices such as hand washing and employees wearing a cloth face covering, as feasible
  - Intensify cleaning, disinfection, and

**Is ongoing monitoring in place?**
- Yes
  - Develop and implement procedures to check for signs and symptoms of employees daily upon arrival, as feasible
  - Encourage anyone who is sick to stay home

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[cdc.gov/coronavirus]
COVID-19 Symptom Checker
Key Features & Benefits

- Customized Solution for each employer or club
- Fast, Easy Implementation
- Cost Effective
- Follows Updated CDC Guidelines
- Available in 100+ Languages
- Real Time Reporting
- Clear Instructions for Next Steps
- Mobile Friendly
Survey Pending
Complete your survey within 2 hours of your shift start time.

Symptom Checker
Resources
Case Review
Telehealth
Home Screen

Cleared to Work
05/18/2020 12:54pm

Symptom Checker
Resources
Case Review
Telehealth
Symptom Checker

COMPLETE THE SYMPTOM CHECKER DAILY BEFORE REPORTING TO YOUR WORKSITE.

Are you feeling ill today? *
- Yes
- No

What is your oral-temperature? *
- 95 °F

Temperature Image-Validation
- Take picture of thermometer reading

In the last 2 weeks did you have contact with someone diagnosed with COVID-19 *
- Yes
- No
Clearance Status

You should NOT go to work

You may have been exposed to COVID-19. Start home isolation. This means stay home except to get medical care, and do not go to work, school, or public areas. Do not use public transportation or ride sharing.

Follow these steps now to help care for yourself. Follow these steps now to help protect others from getting sick.

Please also see your local area's website: Pennsylvania Department of Health

Call 911

You may be having a medical emergency.

Call 911 now. Immediate medical attention is needed. Tell the 911 operator if you have been in contact with someone with COVID-19 or if you have recently been to an area where COVID-19 is spreading.
Temperature Capture Options

1. Self-Reported Temperature
2. Self-Reported with Audited Verifications
3. Onsite Temperature Checks
Risk Stratification

Call 911 Immediately
(1 = Auto High Risk)
- Trouble Breathing
- Bluish Lips
- Chest Pain
- Confusion

Nurse Triage
(1 = Moderate, 2 more = High)
- Temperature 100.4 or above
- Suspected or confirmed exposure
- Feeling Ill Today

Cleared To Work
(0 = Low Risk, 1 = Moderate, 2 = High)
- Aches, Pains
- Stuffy Nose
- Fatigue
- Nausea
- Comorbidity
# Nurse Triage Support

**HR CONTACT INFORMATION: 1800000000**

## Nurse Triage Schedule

<table>
<thead>
<tr>
<th>Day</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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## Instructions

1. Choose appointment
2. Voice information
3. Confirmation
Symptom Checker for Fitness Industry

John Doe, you don't have an active reservation.

Check-In

Open Slots 3/3

YOUR SPOT WILL BE SAVED FOR 30 MINUTES FROM THE TIME YOU START THE SYMPTOM CHECKER.

Start Symptom Checker

Dear John Doe, due to our limited capacity we are restricting the time limit to 1 hour. You can workout until: 01/01/2012 1:31pm

Check-In

Open Slots 2/3
## Symptom Checker-Queuing System

### Members

<table>
<thead>
<tr>
<th>Reserved spot</th>
<th>Name</th>
<th>Email</th>
<th>Action</th>
<th>Remove from queue</th>
</tr>
</thead>
<tbody>
<tr>
<td>05/25/2020 12:36pm</td>
<td>John Doe</td>
<td><a href="mailto:henry.cabrera@healthmetrixllc.com">henry.cabrera@healthmetrixllc.com</a></td>
<td>Check-In</td>
<td>Remove</td>
</tr>
</tbody>
</table>

### On-Site Members

<table>
<thead>
<tr>
<th>Timer</th>
<th>Name</th>
<th>Email</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Data</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Home & Approved Members

### Members

<table>
<thead>
<tr>
<th>Reserved spot</th>
<th>Name</th>
<th>Email</th>
<th>Action</th>
<th>Remove from queue</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Data</td>
<td></td>
<td></td>
<td></td>
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</table>

### On-Site Members

<table>
<thead>
<tr>
<th>Timer</th>
<th>Name</th>
<th>Email</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>0hrs 1min</td>
<td>John Doe</td>
<td><a href="mailto:henry.cabrera@healthmetrixllc.com">henry.cabrera@healthmetrixllc.com</a></td>
<td>Check-Out</td>
</tr>
</tbody>
</table>
Reporting Dashboard

**Survey Compliance**
- Survey compliance status

**Risk Stratification**
- High Risk: 4
- Low Risk: 20
- Moderate Risk: 2

**Temperature Logs**
- Average Temperature over dates
# Reporting Dashboard

<table>
<thead>
<tr>
<th>Name</th>
<th>Risk</th>
<th>Last Survey Date</th>
<th>Completed Survey Today</th>
<th>Isolation Days Remaining</th>
<th>Temperature</th>
<th>Image</th>
<th>Survey</th>
<th>Reset Survey</th>
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</thead>
<tbody>
<tr>
<td>Admin</td>
<td>Low Risk</td>
<td>05/15/2020</td>
<td>No</td>
<td></td>
<td>97.4</td>
<td></td>
<td>view</td>
<td>Reset</td>
</tr>
<tr>
<td>Coco 2</td>
<td>Low Risk</td>
<td></td>
<td>No</td>
<td></td>
<td>99.0</td>
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<td>view</td>
<td>Reset</td>
</tr>
<tr>
<td>Jose Adams</td>
<td>Low Risk</td>
<td>05/13/2020</td>
<td>No</td>
<td></td>
<td>102.2</td>
<td></td>
<td>view</td>
<td>Reset</td>
</tr>
<tr>
<td>Brittany Angelastro</td>
<td>Moderate Risk</td>
<td>05/18/2020</td>
<td>Yes</td>
<td>14</td>
<td>102.2</td>
<td><img src="image.png" alt="Image" /></td>
<td>view</td>
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<tr>
<td>Daniela Ayala</td>
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<td></td>
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<tr>
<td>Jimmie Bottcher</td>
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<td>05/13/2020</td>
<td>No</td>
<td>3</td>
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<tr>
<td>Henry Cabrera</td>
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<td>No</td>
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<tr>
<td>John Colt</td>
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<td>Amanda Hara</td>
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<td>Christian Jurado</td>
<td>High Risk</td>
<td>05/14/2020</td>
<td>No</td>
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<tr>
<td>Will Kirk</td>
<td>High Risk</td>
<td>05/13/2020</td>
<td>No</td>
<td></td>
<td>101.8</td>
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<tr>
<td>Joseph Lane</td>
<td>Low Risk</td>
<td>05/13/2020</td>
<td>No</td>
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<td>99.9</td>
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<tr>
<td>Stewart Levy</td>
<td>Low Risk</td>
<td>05/03/2020</td>
<td>No</td>
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<tr>
<td>Sam Levy</td>
<td>Low Risk</td>
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<td>No</td>
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<td>Reset</td>
</tr>
<tr>
<td>Michelle Moran</td>
<td>Low Risk</td>
<td></td>
<td>No</td>
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<td>99.9</td>
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<td>Reset</td>
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</tbody>
</table>
Screening & Testing Options

- Temperature Screenings
- Symptom Checking
- Contact Tracing

- Viral (PCR)
- Antibody
- Antigen
Testing Venues

1. Self-Collection

2. Onsite (Fitness Center or Workplace)

3. Retail, Pharmacy, Primary Care
*The U.S. Food and Drug Administration (FDA) has authorized two viral tests that let you collect either a nasal swab or saliva at home.*
Drawbacks & Limitations

• Variability
• False Negatives; False Positives
• Asymptomatic patients
• Delay in Antibodies
• Lack of evidence
<table>
<thead>
<tr>
<th>RESULT</th>
<th>INTERPRETATION</th>
<th>RECOMMENDED ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Positive</td>
<td>Most likely* you DO currently have an active COVID-19 infection and can give the virus to others.</td>
<td>Stay home* and follow CDC guidance on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.</td>
</tr>
<tr>
<td>Negative</td>
<td>Most likely* you DO NOT currently have an active COVID-19 infection.</td>
<td>If you have symptoms, you should keep monitoring symptoms and seek medical advice about staying home and if you need to get tested again. If you don’t have symptoms, you should get tested again only if your medical provider and/or workplace tells you to. Take steps to protect yourself and others.</td>
</tr>
<tr>
<td>Positive</td>
<td>You likely* have HAD a COVID-19 infection.</td>
<td>You may be protected from re-infection (have immunity), but this cannot be said with certainty. Scientists are conducting studies now to provide more information. Take steps to protect yourself and others.</td>
</tr>
<tr>
<td>Negative</td>
<td>You likely* NEVER HAD (or have not yet developed antibodies to) COVID-19 infection.</td>
<td>You could still get COVID-19. Take steps to protect yourself and others.</td>
</tr>
<tr>
<td>Viral Positive, Antibody Positive</td>
<td>Most likely* you DO currently have an active COVID-19 infection and can give the virus to others.</td>
<td>Stay home* and follow CDC guidance on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.</td>
</tr>
<tr>
<td>Viral Positive, Antibody Negative</td>
<td>Most likely* you DO currently have an active COVID-19 infection and can give the virus to others.</td>
<td>Stay home* and follow CDC guidance on steps to take if you are sick. *If you are a healthcare or critical infrastructure worker, notify your work of your test result.</td>
</tr>
<tr>
<td>Viral Negative, Antibody Positive</td>
<td>You likely* have HAD and RECOVERED FROM a COVID-19 infection.</td>
<td>You may be protected from re-infection (have immunity), but this cannot be said with certainty. Scientists are conducting studies now to provide more information. You should get tested again only if your medical provider and/or workplace tells you to. Take steps to protect yourself and others.</td>
</tr>
<tr>
<td>Viral Negative, Antibody Negative</td>
<td>You likely* have NEVER HAD a COVID-19 infection.</td>
<td>You could still get COVID-19. You should get tested again only if your medical provider and/or workplace tells you to. Take steps to protect yourself and others.</td>
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**COVID-19 SWAB TEST**

**WHO SHOULD BE TESTED?**
- Individuals who have COVID-19 symptoms or meet the testing criteria established by the CDC*
  *Centers for Disease Control and Prevention
- Individuals who think they may have had COVID-19 and don’t have symptoms
  Note: antibody testing should not be used as the sole basis to diagnose or exclude infection

**HOW SAMPLES ARE COLLECTED**
- Nasal swab
- Blood draw

**WHERE SAMPLES ARE COLLECTED**
- Through a hospital or healthcare provider
- At home using Pixel by LabCorp™ (if eligible)
- Through a hospital, healthcare provider or LabCorp.com
- At a local LabCorp Patient Service Center

**HOW LONG TO RECEIVE THE RESULTS?**
- Usually 1-2 days**, with results provided to your doctor and delivered online through LabCorp Patient™ or Pixel by LabCorp
  **From the date of specimen pick up
- Usually 1-3 days**, with results provided to your doctor and delivered online through LabCorp Patient
  **From the date of specimen pick up

**THE SCIENCE BEHIND THE TEST**
- COVID-19 test uses PCR technology and detects the genetic information that indicates active infection and that virus is present
- Serology testing can check for different types of antibodies developed after exposure to the SARS-CoV-2 virus that causes COVID-19
Some Considerations

- Test Type
- Collection Methods
- Clinical Oversight
- Reporting
- CDC Guidelines
- Local Regulations
Questions

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