

# COVID-19 UPDATE

4.27.20

**STAY HOME.**  
**STAY SAFE. SAVE LIVES.**  
[MICHIGAN.GOV/CORONAVIRUS](https://michigan.gov/coronavirus)

## SINCE FRIDAY:

- I SIGNED EXECUTIVE ORDER 2020-60 TO ESTABLISH STRATEGIES TO REDUCE EXPOSURE TO COVID-19 FOR BOTH CUSTOMERS AND EMPLOYEES.
- I SIGNED EXECUTIVE ORDER 2020-63, WHICH EXTENDS VALIDITY OF EXISTING PERSONAL PROTECTION ORDERS THAT WOULD OTHERWISE EXPIRE DURING THE COVID-19 PANDEMIC.

## SINCE FRIDAY:

- MY ADMINISTRATION AND LIEUTENANT GOVERNOR GILCHRIST, IN PARTNERSHIP WITH THE SMALL BUSINESS ASSOCIATION OF MICHIGAN AND THE MICHIGAN ASSOCIATION OF CERTIFIED PUBLIC ACCOUNTANTS ANNOUNCED TODAY THAT BUSINESSES ACROSS MICHIGAN ARE NOW ABLE TO APPLY FOR AN ADDITIONAL \$310 BILLION IN PAYCHECK PROTECTION PROGRAM FORGIVABLE LOANS THROUGH THE U.S. SMALL BUSINESS ADMINISTRATION.
- ADULTS IN MICHIGAN HAVE CONTINUED TO FIND HEALTH INSURANCE VIA THE HEALTHY MICHIGAN PLAN.

**BUSINESSES AND  
ORGANIZATIONS THAT HAVE  
STEPPED UP.**



# **MI SAFE START**

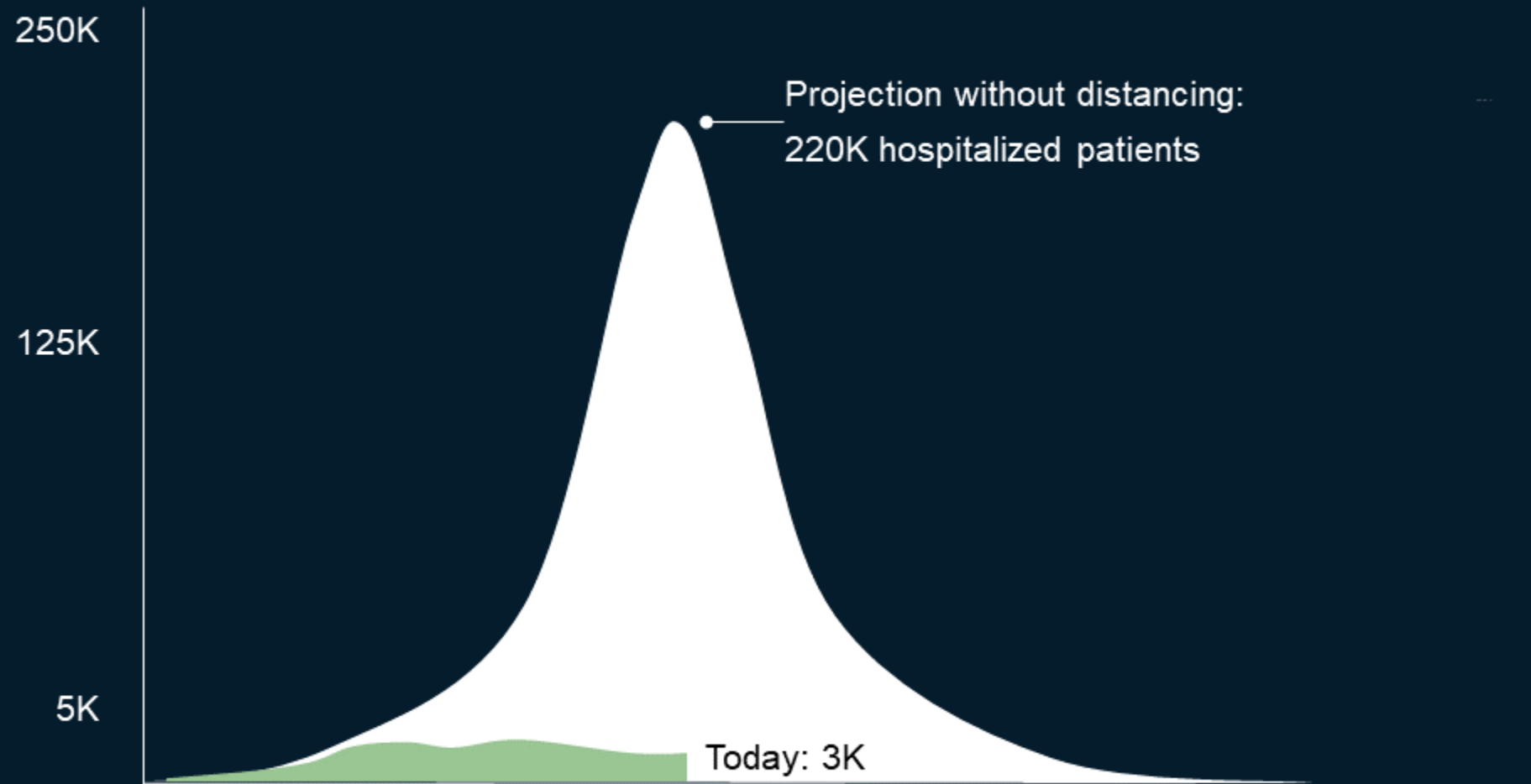
**A PLAN TO RE-ENGAGE  
MICHIGAN'S ECONOMY**

- MI SAFE START PLAN WILL TAKE INTO ACCOUNT THE VARIOUS SECTORS OF OUR ECONOMY, GEOGRAPHIC AND WORK-PLACE RISK, AS WELL AS OUR PUBLIC HEALTH ABILITY AND WORK-PLACE PROTOCOLS TO MITIGATE THAT RISK.
- MI SAFE START WILL BE INCREMENTAL - STARTING WITH WORKPLACE TYPES THAT POSE LESS RISK.
  - THE RESIDENTIAL AND COMMERCIAL CONSTRUCTION INDUSTRY, FOR EXAMPLE, WILL LIKELY BE ONE OF THE FIRST SECTORS TO RETURN TO WORK.
  - WE ARE CAREFULLY EVALUATING A NUMBER OF INDUSTRIAL SECTORS FOR RE-START.
- I WILL BE BACK AT A FUTURE DATE TO DISCUSS MY THINKING ON THESE SECTORS FURTHER.

# **BUSINESSES WILL NEED TO PROTECT THEIR EMPLOYEES THROUGH:**

- CAREFULLY MONITORING EMPLOYEES FOR SYMPTOMS,
- INSTITUTING AN ARRAY OF SOCIAL DISTANCING TECHNIQUES IN THE WORKPLACE.
- STRENGTHENING SANITATION AND HYGIENE.
- PROVIDING RECOMMENDED PROTECTIVE EQUIPMENT LIKE MASKS AND FACE SHIELDS.

# Total Hospitalized Patients: Effects of Social Distancing

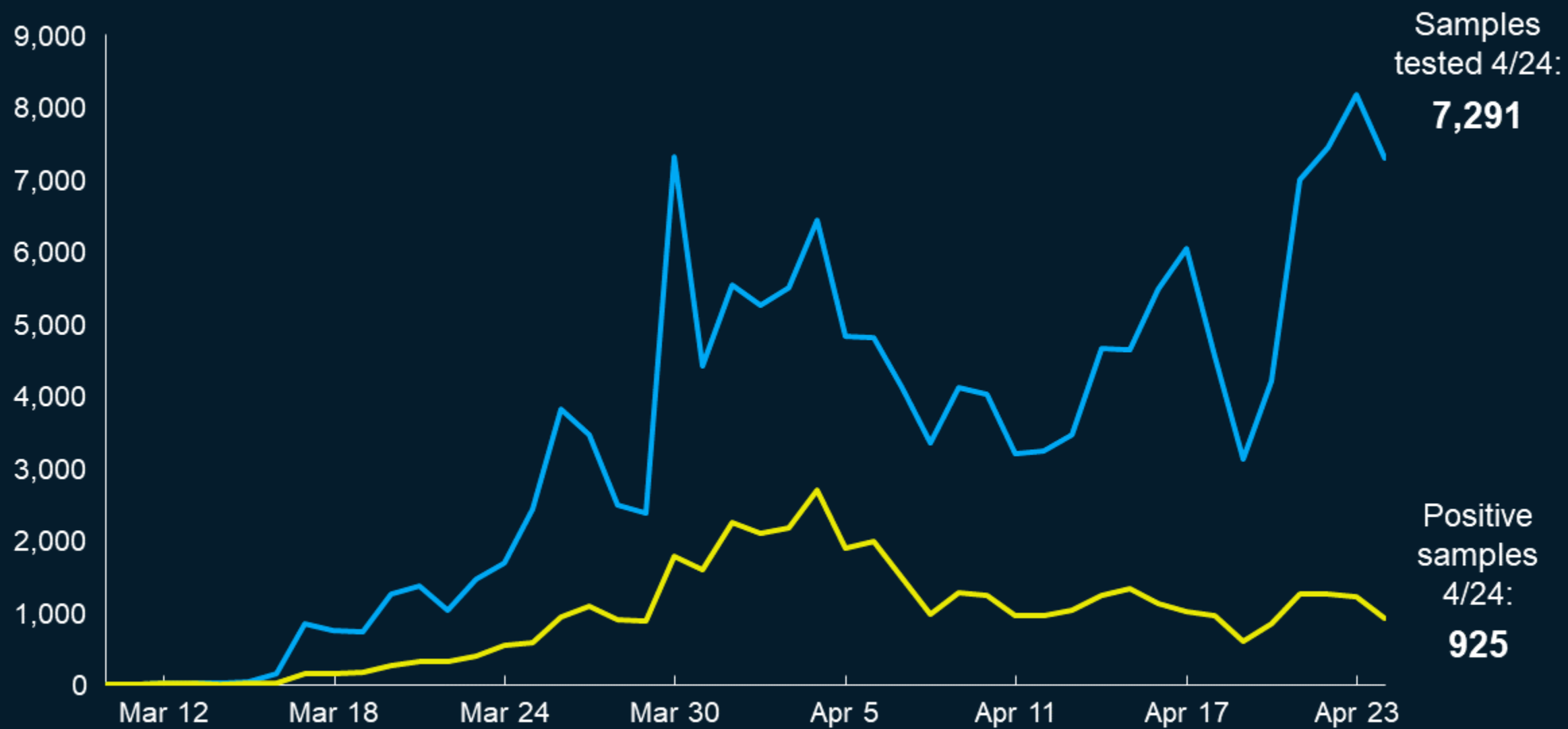


SOURCE: COVIDActNow Model, 3/23; EM Resource Hospitalization Information

Note: COVID-related inpatients include hospitalized patients with confirmed COVID-19 and those Pending and Under Investigation for possible infection; versions used in prior press conferences also included patients with suspected COVID-19 (patients with symptoms who tested negative)



## Number of samples tested daily



# Possible effects of continued distancing

## Complete removal of distancing

## Continued partial distancing (50%)

Now



1 infected person

1 infected person



In 5 days



2.5 infected people

1.25 infected people



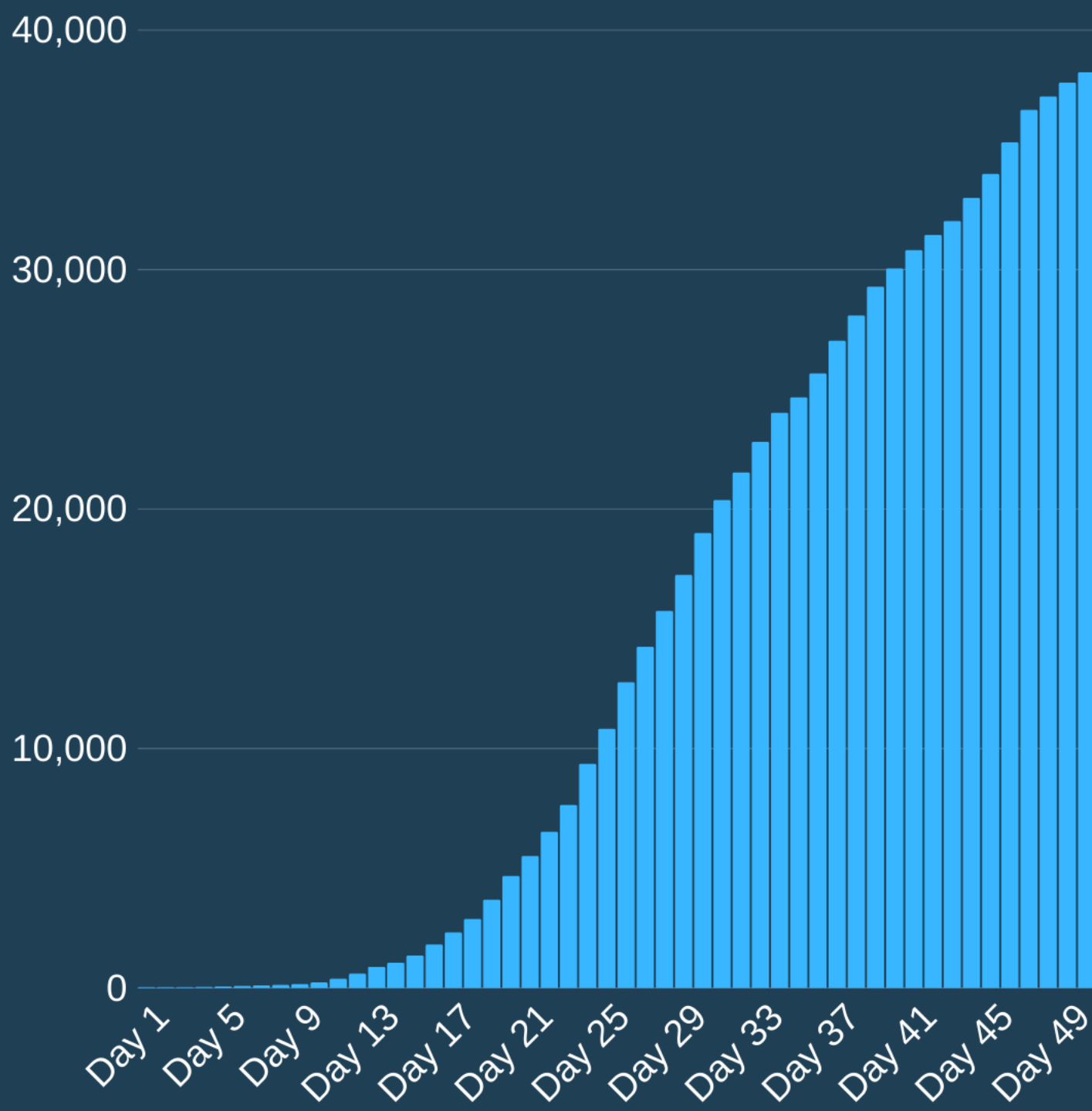
In 30 days



406 infected people

15 infected people





We now have  
**38,210**  
confirmed cases  
of COVID-19 in  
Michigan.

**3,407**  
people have  
died due to  
COVID-19.

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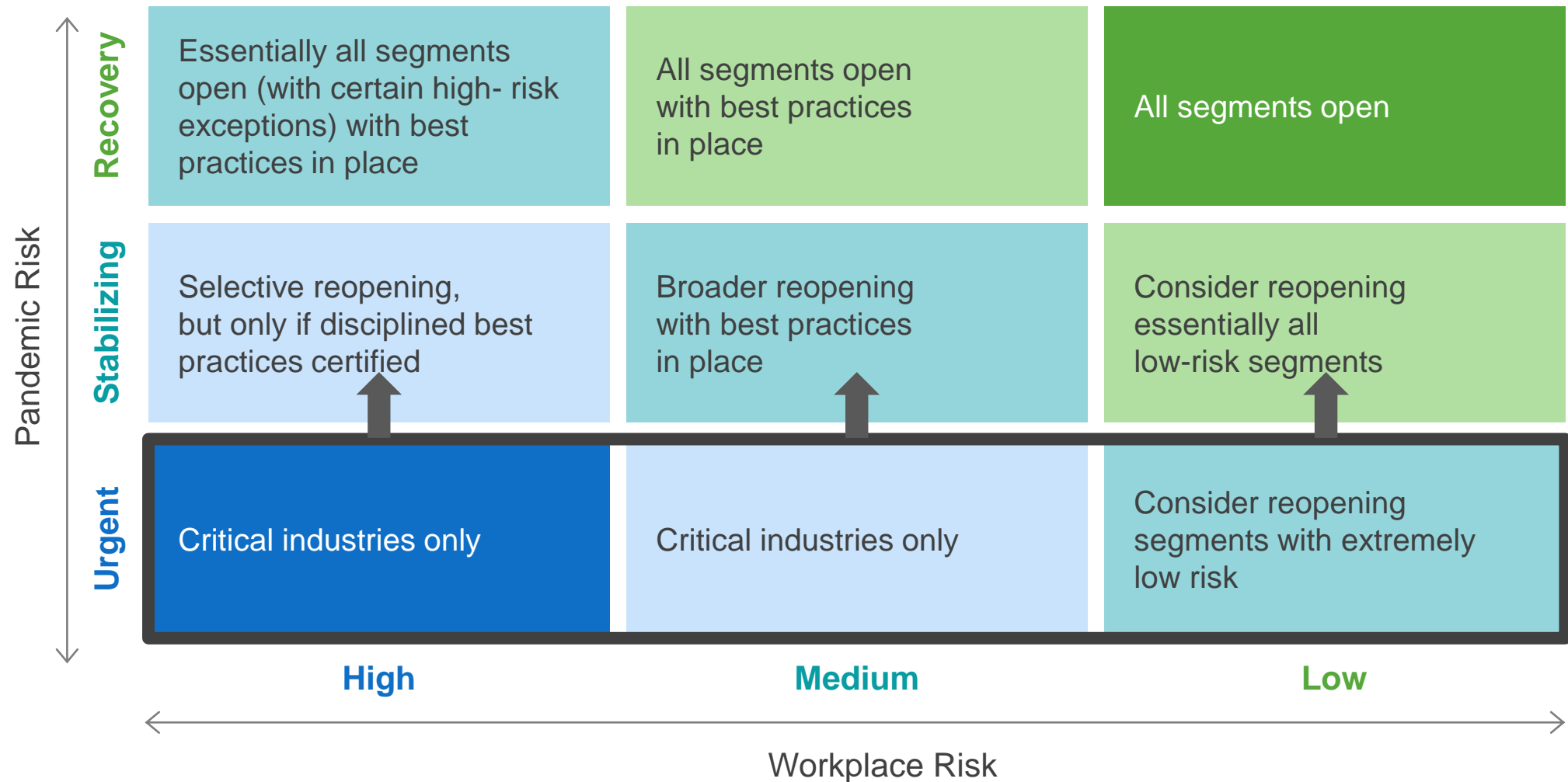
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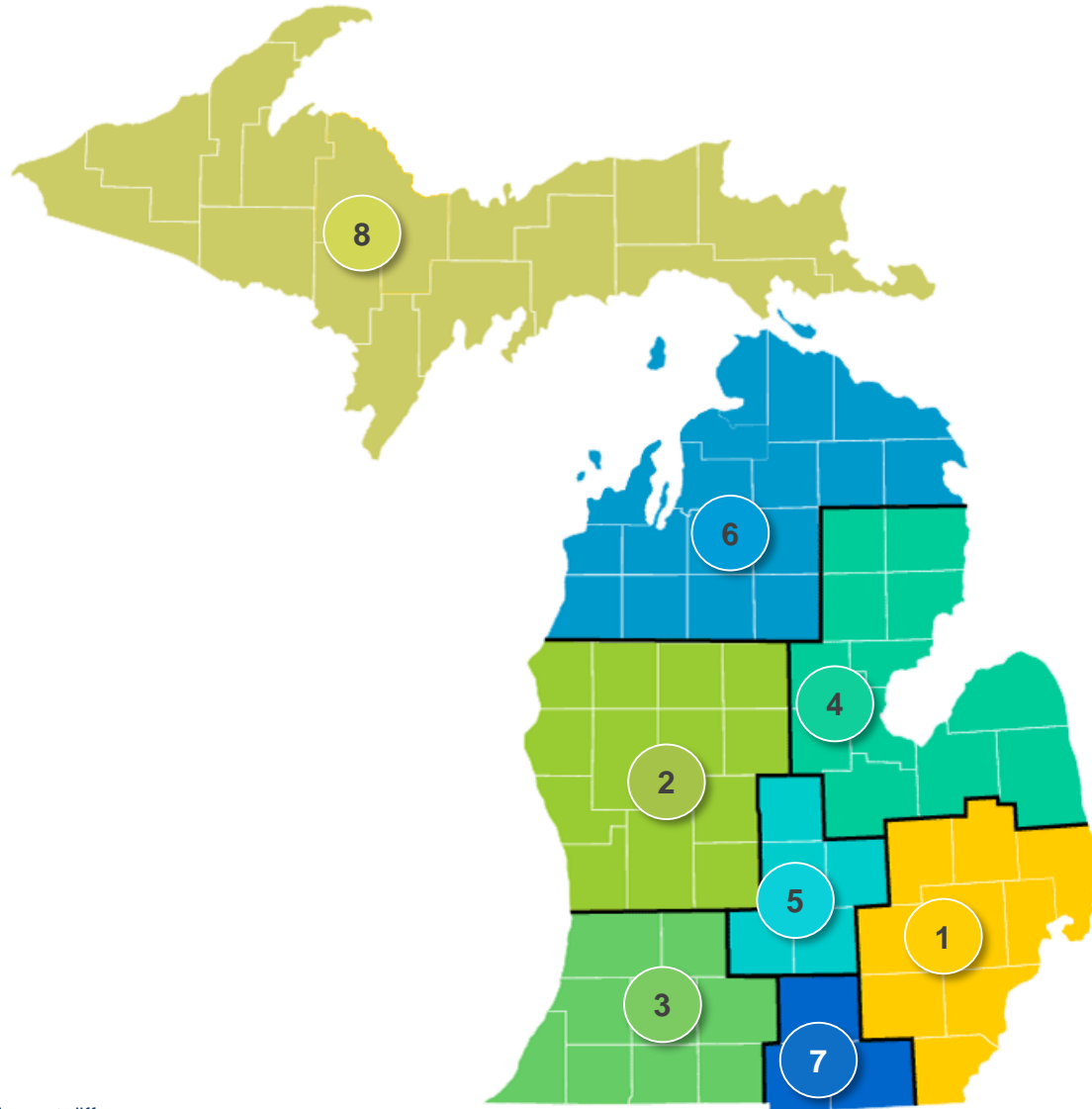
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# Framework for making return to work decisions

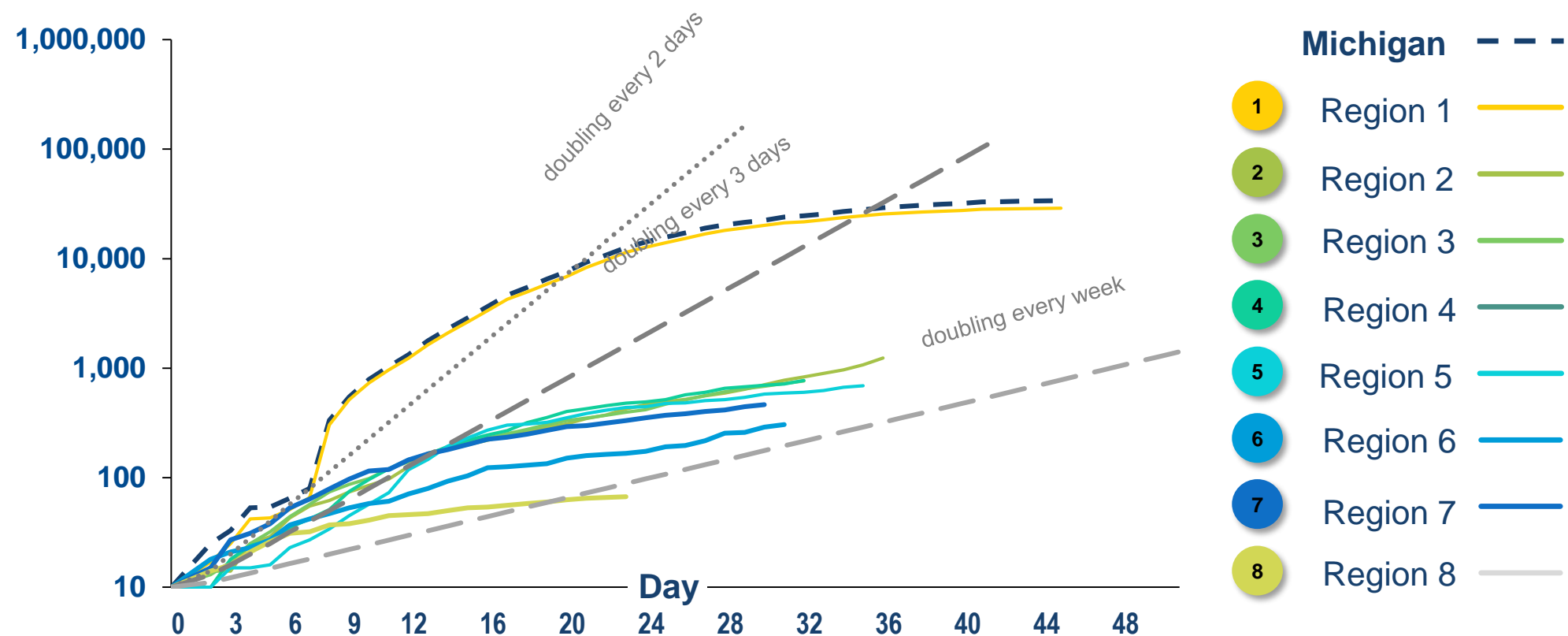


# Michigan Economic Recovery Council Reporting Regions



MERC Regions	Population	% of total
1 Detroit Region	5,243,543	52.5%
2 Grand Rapids Region	1,535,115	15.4%
3 Kalamazoo Region	964,202	9.7%
4 Saginaw Region	606,319	6.1%
5 Lansing Region	591,102	5.9%
6 Traverse City Region	445,159	4.5%
7 Jackson Region	302,566	3.0%
8 Upper Peninsula	298,851	3.0%
<b>Total Michigan</b>	<b>9,986,857</b>	<b>100.0%</b>

# Cases for MERC Region



Daily case doubling rate (in days) <sup>1</sup>											
Statewide	2	3	2	2	3	4	7	13	17	27	23 <sup>2</sup>

1. Day 0 represents the point at which a region first reached 10 cases. Last statewide case doubling data represents day 41



# The key indicators of readiness for economic restart

## Flatten the curve

### Epidemic spread

- A Density and trajectory of spread
- B Community exposure / immunity

## Safely diagnose and treat patients

### Healthcare system capacity

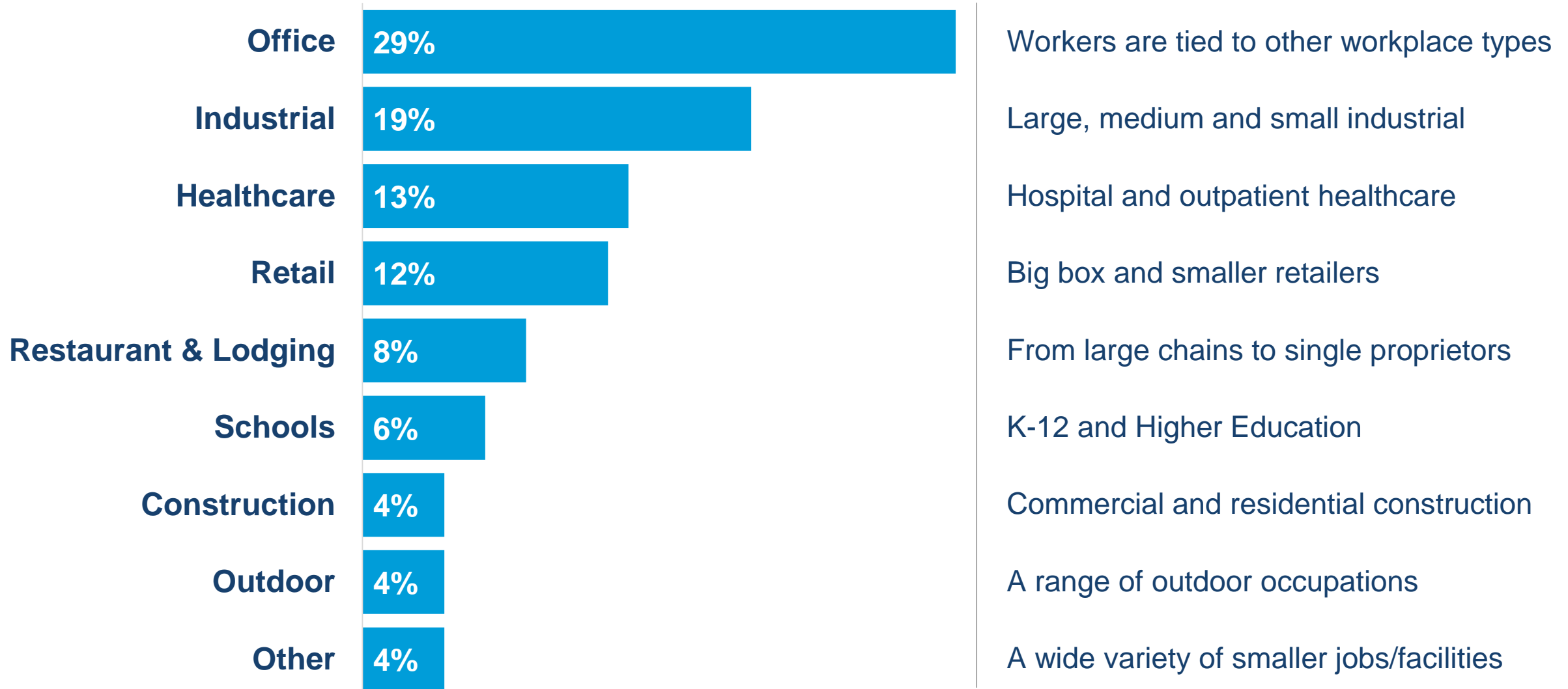
- A Critical personnel
- B Beds
- C Ventilators
- D PPE

## Track and isolate contacts

### Public health capacity

- A Infrastructure contact tracing
- B Effective isolation / quarantine

# Michigan's labor force by workplace



# Occupation specific transmission risk boils down to...

## Worker interaction

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## Workplace characteristics

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## Worker type

### Risk factors

- a Interaction with general public (*sustained or intermittent*)
- b Contact with fellow coworkers in normal course of work
- c Shared tooling / machinery
- d Indoor / Outdoor
- e Number of workers
- f Worker density (*number per square foot active workspace*)
- g Required travel
- h Basic industrial hygiene (*sanitation facilities, airflow, etc.*)
- i Demography
- j Preexisting conditions
- k Contact outside of work
- l Transit options
- m Immunity

# Workplace best practices have been rapidly developed for the 9 workplace types

Best-practice risk mitigation strategies fall into five buckets

Access control	Social distancing	Sanitation / Hygiene	PPE	Contact tracing / Isolation
<ul style="list-style-type: none"><li>• Daily “symptom diaries” (<i>mandatory questionnaires concerning symptoms</i>)</li><li>• On-site temperature checks</li><li>• Rapid diagnostic testing protocols</li><li>• Intake procedure for visitors</li><li>• Guidelines for delivery areas</li></ul>	<ul style="list-style-type: none"><li>• Remote work standards</li><li>• Restrictions on common areas like cafeterias, break rooms and conference rooms</li><li>• Restrictions on in-person meeting size</li><li>• Physical barriers between workspaces</li><li>• Restrictions on travel and non-essential external meetings</li></ul>	<ul style="list-style-type: none"><li>• Frequent disinfection / cleaning of facilities and equipment</li><li>• Availability of handwashing facilities</li><li>• Restrictions on shared tooling / machinery</li><li>• HEPA filters on HVAC units</li><li>• Local exhaust ventilation</li></ul>	<ul style="list-style-type: none"><li>• Masks</li><li>• Gloves</li><li>• Face shields</li><li>• Gowns</li></ul>	<ul style="list-style-type: none"><li>• Investigation standards</li><li>• Isolation protocols</li><li>• Notification protocols (<i>HR, first responders, government authorities</i>)</li><li>• Quarantine and return-to-work guidelines</li><li>• Facility cleaning / shutdown procedure</li></ul>

# Framework for making return to work decisions

