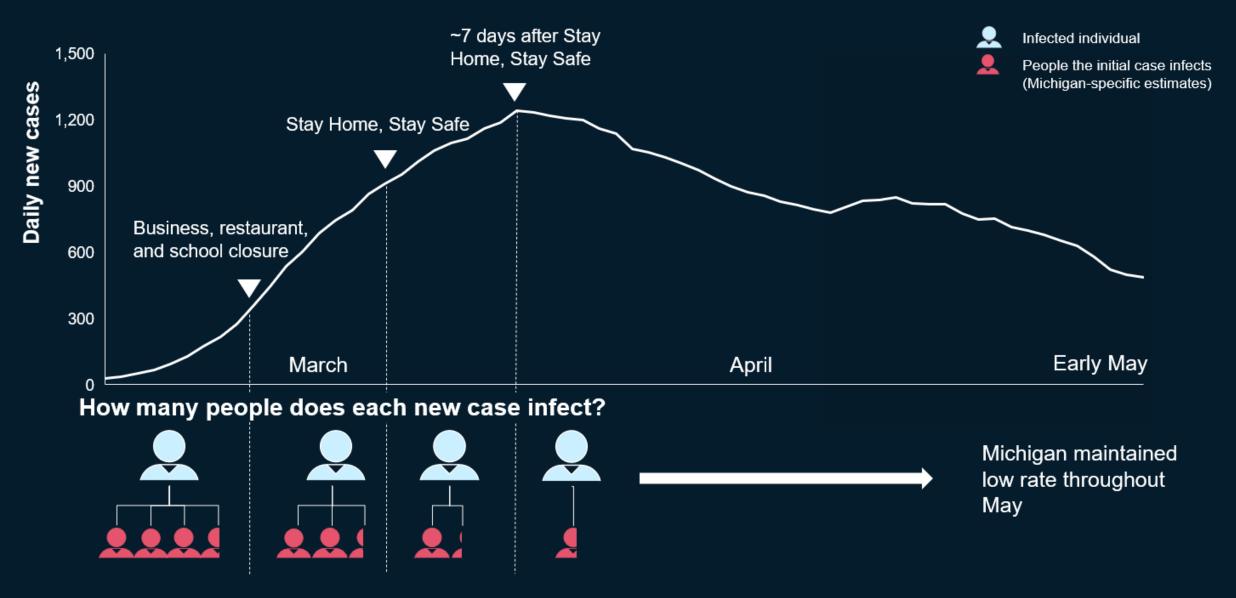
COVID-19 UPDATE 06.17.20



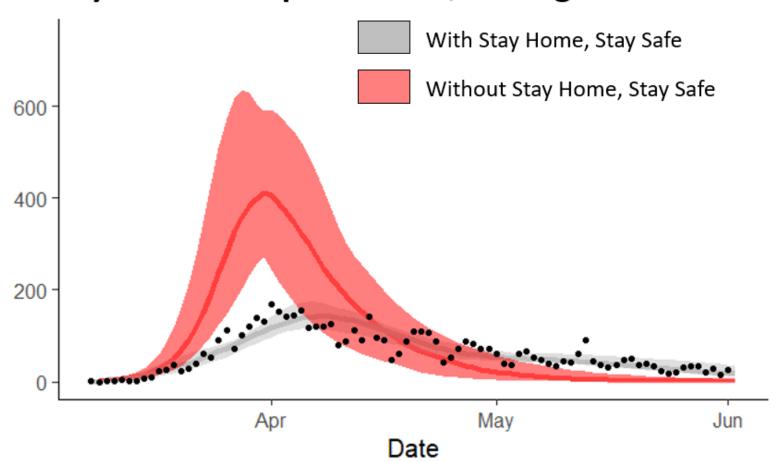
Imperial College Report: Effect of Michigan's social distancing



Infection rates updated from prior press release based on Rt updates in Imperial College source data (previous version sourced from initial published paper); rates published on Imperial College's website may change as new information emerges. SOURCE: Imperial College Report 23: State-level tracking of COVID-19 in the United States; MDSS Cases by Onset Date.

What would have happened without social distancing?

Daily new cases per million, Michigan



Daily new cases at **peak**would have been ~2.7
times higher than Michigan
actually saw

Without intervention,
Michigan might have
experienced 28K more
positive cases before June 1



Uncertainty: top 10% of simulations. Statistics on righthand side represent median metrics.

The Detroit News

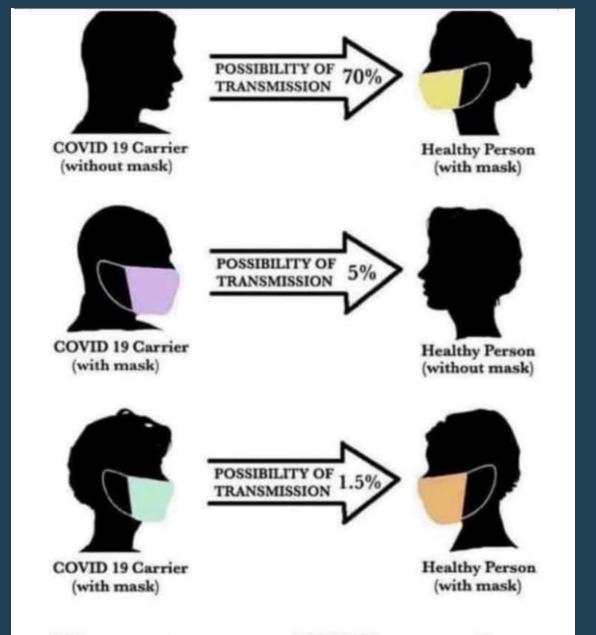
British study: Whitmer stay-home orders saved lives, perhaps tens of thousands

Karen Bouffard, The Detroit News Published 10:58 a.m. ET June 12, 2020 | Updated 6:29 p.m. ET June 12, 2020

| STATE | 14-DAY CHANGE IN COVID+ | TOTAL COVID+ | LAST 30 DAYS OF COVID+ (ROLLING) | RT RANGE (90% CI) | DOUBLING TIME (DAYS) | LAST 14 DAYS OF DEATHS (ROLLING) |
|--------------|----------------------------------|-----------------|-------------------------------------|-------------------------|----------------------------|--|
| Michigan | -52% | 66,054 | 749 6/1 | 0.7 - 1.0 | 324 | 24 11 |
| Wisconsin | -38% | 22,758 | Re-open 5/13 332 271 | 0.8 - 1.0 | 56 | 13 9 7 |
| Indiana | -11% | 39,909 | Re-open 5/4 522 401 | 0.8 - 1.1 | 67 | 28 17 |
| Illinois | -51% | 133,404 | 2.4k 677 | 0.8 - 0.9 | 135 | 86 58 |
| Pennsylvania | -48% | 78,798 | 803 6/4 | 0.8 - 1.0 | 148 | 74 41 |
| Ohio | -18% | 41,148 | 549 5/29 391 5/16 6/15 | 0.8 - 1.0 | 71 | 37 <u>24</u> 6/2 6/15 |

| STATE | 14-DAY CHANGE IN COVID+ | TOTAL COVID+ | LAST 30 DAYS OF COVID+ (ROLLING) | RT RANGE (90% CI) | DOUBLING TIME (DAYS) | LAST 14 DAYS OF DEATHS (ROLLING) |
|------------|----------------------------------|-----------------|-------------------------------------|-------------------------|----------------------------|--|
| Michigan | -52% | 66,054 | 749 6/1 | 0.7 - 1.0 | 324 | 24 11 |
| Texas | 35% | 87,854 | Re-open 4/30 1.3k | 0.9 - 1.1 | 30 | 23 • 22 |
| Alabama | 65% | 25,615 | Re-open 4/30 764 | 0.9 - 1.1 | 21 | 11 8 |
| Washington | 55% | 25,538 | 211 5/31 | 0.9 - 1.2 | 57 | 8 8 |
| Arizona | 102% | 35,691 | Re-open 5/15 1.3k | 1.0 - 1.3 | 17 | 19 • 21 |
| Oregon | 94% | 5,377 | 56 | 0.7 - 1.4 | 36 | 1 LWV 2 |
| Georgia | 32% | 57,681 | Re-open 4/30 609 | 0.7 - 1.1 | 45 | 33 • 41 |
| Florida | 139% | 75,568 | Re-open 5/4 713 5/16 6/15 | 0.9 - 1.1 | 28 | 39 <u>33</u> 33 6/2 6/15 |

COVID Risk: Active or imminent outbreak At risk Controlled disease growth On track to contain COVID



40% of transmissions happen BEFORE symptoms. You wear a mask to protect others; They wear a mask to protect you. WE not Me.

VANITY FAIR

CORONAVIRUS

COVID Hits the Big Easy

Why 80% of Americans Should Mask Up

The Quiet Desolation of Italy

Behind the Bad-News Market Boom

CORONAVIRUS

If 80% of Americans Wore Masks, COVID-19 Infections Would Plummet, New Study Says

There's compelling evidence that Japan, Hong Kong, and other East Asian locales are doing it right and we should really, truly mask up—fast.



BY DAVID EWING DUNCAN

MAY 8, 2020



Inside the Harper's... the crowd is enjoying the first night of reopening @thesnews



12:38 AM · Jun 9, 2020 · Twitter for Android

ONE OF THE NUMBER ONE QUESTIONS I HAVE GOTTEN WHEN SPEAKING TO MICHIGANDERS ABOUT COVID-19 IS WHETHER OR NOT OUR KIDS WILL RETURN TO SCHOOL IN THE FALL.

| 1 Uncontrolled growth 2 Persistent spread | | | 3 Flattening | | 4 Improving | | 5 Containing | | 6 Post- pandemic | | | | |
|--|---|--|---|---|--|---|--|--|---|---|---|--|--|
| What's happening with the disease? | new cases | new cases every day, likely to overwhelm the health system capacity Stay Home, Stay Safe: Strict social distancing, travel restrictions, face coverings, hygiene best case levels wabout health capacity Stay Home, Stay Safe: Strict social of travel reductions, face coverings, hygiene best capacity | | Stay Home, Stay Safe: Safer at Home: | | is gradually | cases, hospitalizations and deaths are clearly declining | | Continued case and death rate improvements and outbreaks can be quickly contained | | Community spread not expected to return | | |
| What do we need to do to stay safe? | Strict social travel rest coverings, | | | | | Continued distancing, increased face coverings | | Safer at Home: Continued distancing, face coverings, safe workplace practices Small gatherings | | Stay Safe: Adherence to new guidelines. Continued distancing, coverings, mitigated workplaces Increased size gatherings | | Sufficient community immunity and availability of treatment | |
| What work can we do? | | rastructure | Critical infras | | Specified lov | | Additional lo | | | | | s | |
| (Examples) | First responders Health care workers Critical manufacturing Food and agriculture Essential retail (e.g., grocery) | | Additional types of recreation allowed | | businesses with strict workplace safety measures Construction Manufacturing Real estate Outdoor work | | Other ref capacity Offices, I | afety measures | | strict mitigation measures Restaurants / bars K-12 and higher ed. (live instruction) Travel | | Events and gatherings all sizes with new safe guidance and procedures Social distancing rules are relaxed and large events are permitted | |
| | Transp | oortation | • | | • | | • | | • | | • | | |
| What factors dete progression to ne phase? | ession to next growth rates slow | | wing atment ternative | Cases, deaths decline for extended period Monitor impact on vulnerable populations Sufficient health system | | decline more sharply, low percent positivity cal decreasing | | low absolute capita | and deaths at olute rates per effective the or vaccine system capacity strong | | | | |
| t: This framing is being | | Infrastructure fo response and do systems to mon progression are | for crisis capacity in particular data Improved teconitor contact trace | | capacity continues to strengthen ting, g and tracing and contains | | ntinues to ng, contact containment | Robust testing, contact tracing and containment protocols in place | | | | | |

AS ALWAYS, PUBLIC HEALTH DATA WILL INFORM OUR DECISIONS ABOUT OPENING AND CLOSING SCHOOL BUILDINGS TO STUDENTS.

SCHOOLS WILL BE ABLE TO RESUME FACE-TO-FACE INSTRUCTION IN PHASE 4, IF SCHOOLS IMPLEMENT STRICT HEALTH AND SAFETY PROTOCOLS.

OVER THE PAST WEEK, MICHIGAN HAS EMERGED AS A NATIONAL LEADER IN COVID-19 MITIGATION.

Stay safe. Be smart. Wear your mask.