



COVID-19 IMPACTS AND IMPLICATIONS

MAY 28, 2020

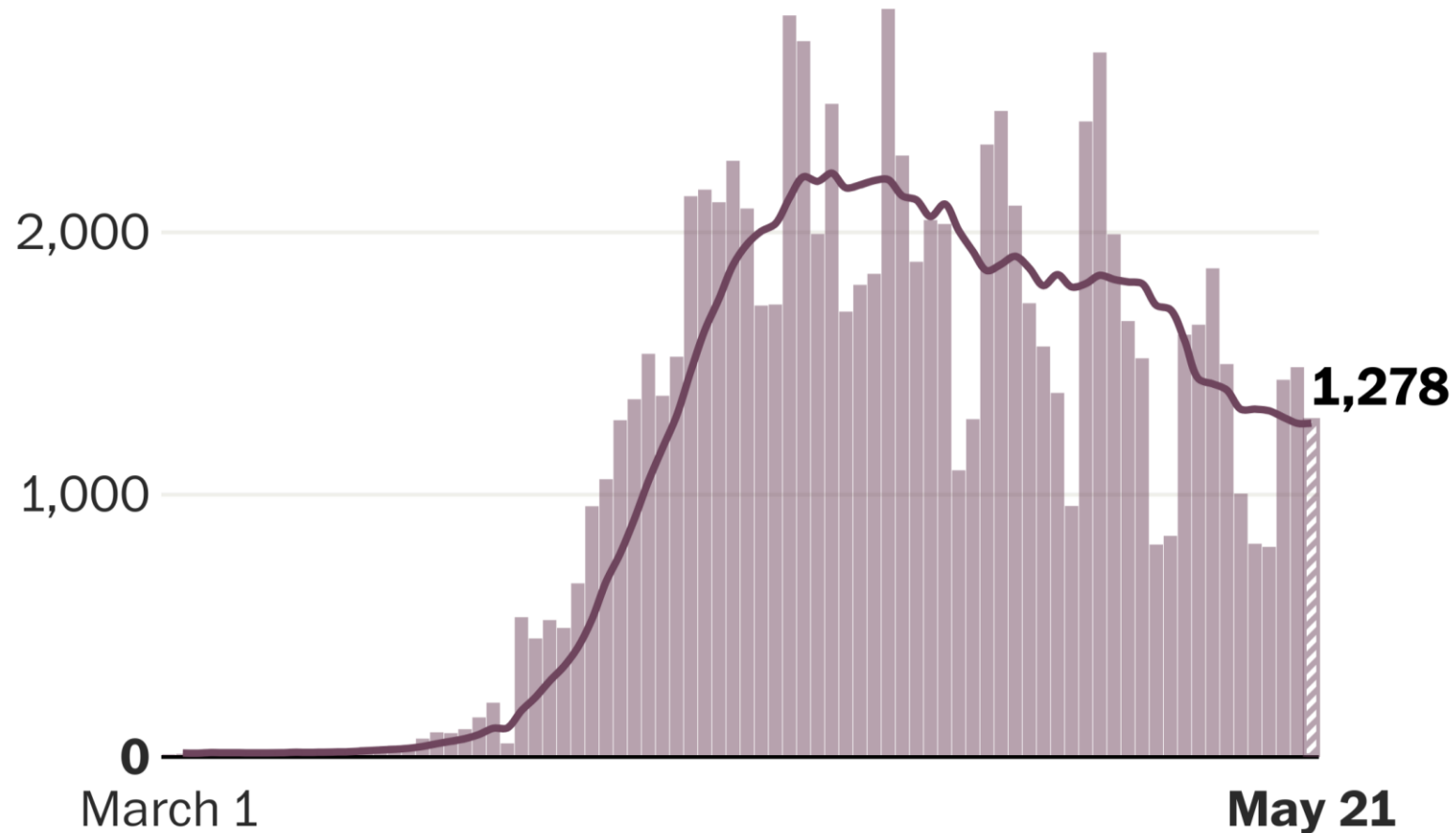
JEFFREY F. PANIATI, P.E.

EXECUTIVE DIRECTOR & CEO

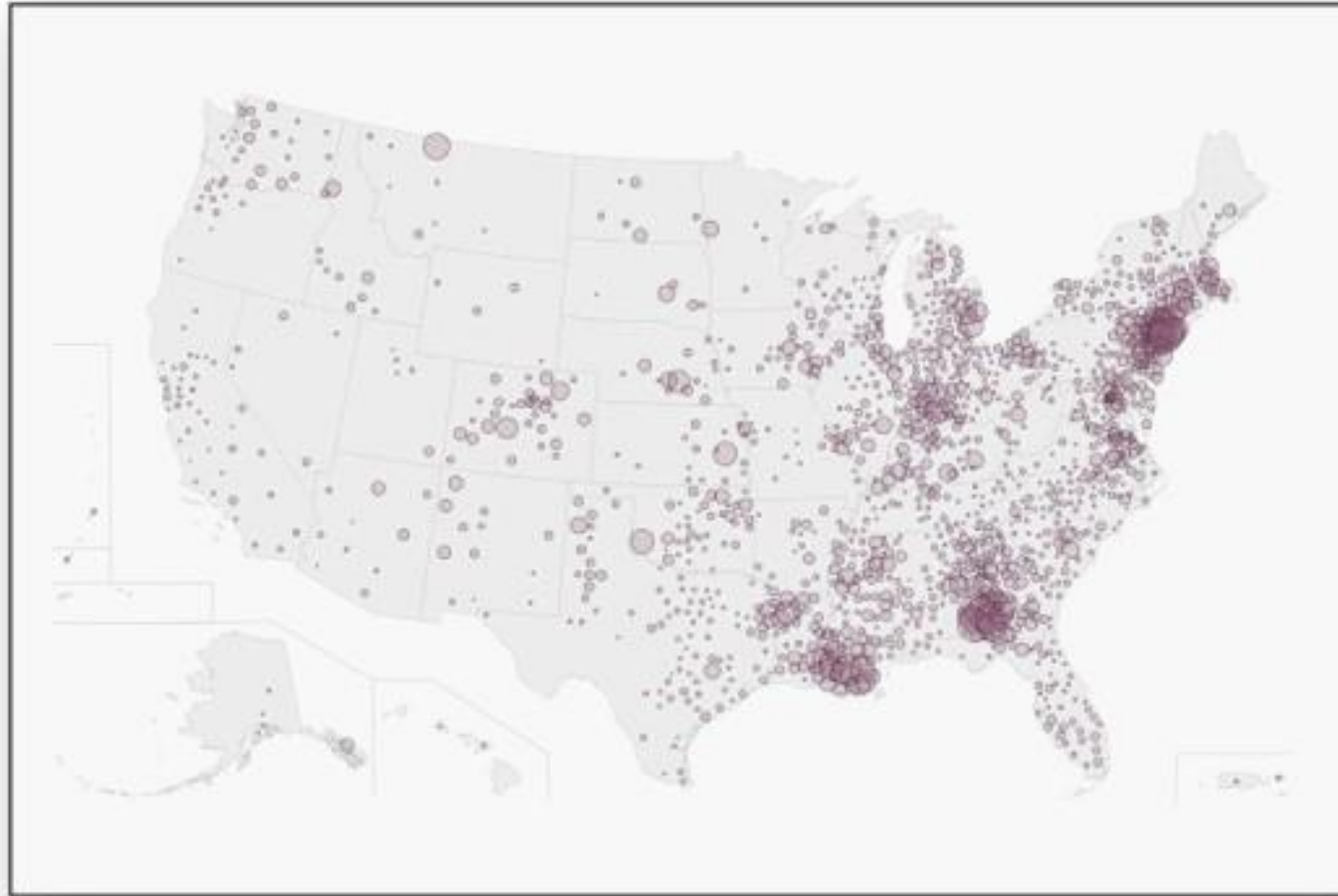
INSTITUTE OF TRANSPORTATION ENGINEERS

DEATHS DECLINING BUT STILL SIGNIFICANT

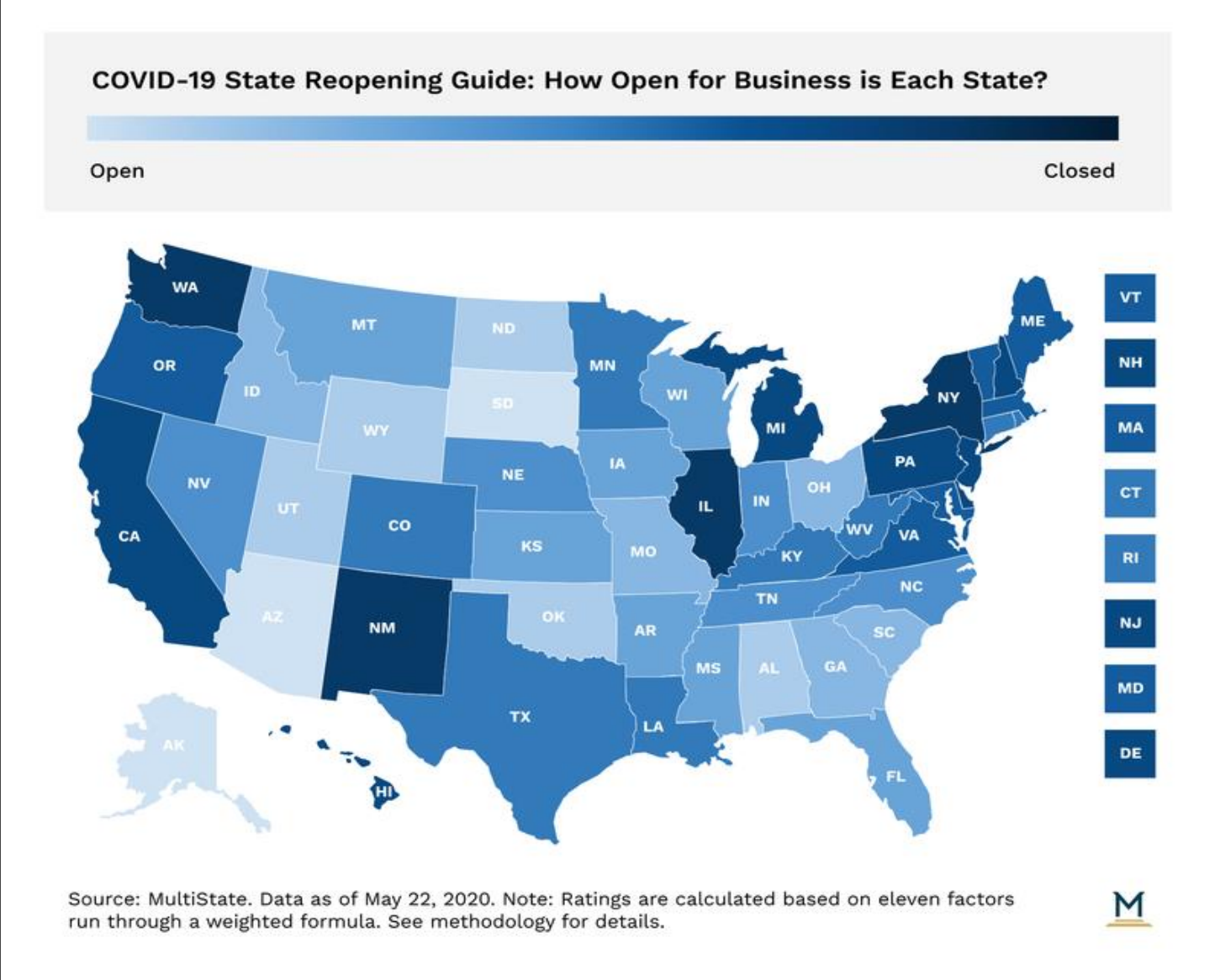
7-Day Moving Average



IMPACTS UNEVEN ACROSS THE UNITED STATES



LOCALIZED APPROACH TO REOPENING



TRANSPORTATION IMPACTS



AIR TRAVEL

- Domestic Flights down 68%
- International Flights down 91%
- Passenger Screenings down 92%



MASS TRANSIT

Rail Travel down 85-95%



TRAFFIC VOLUMES

Truck Volumes: steady at 95% of prior year

Auto Volumes:

- Late March to late April – 50-60% of prior year
- Mid-May – 75-80% of prior year



SAFETY

2020, Quarter 1:

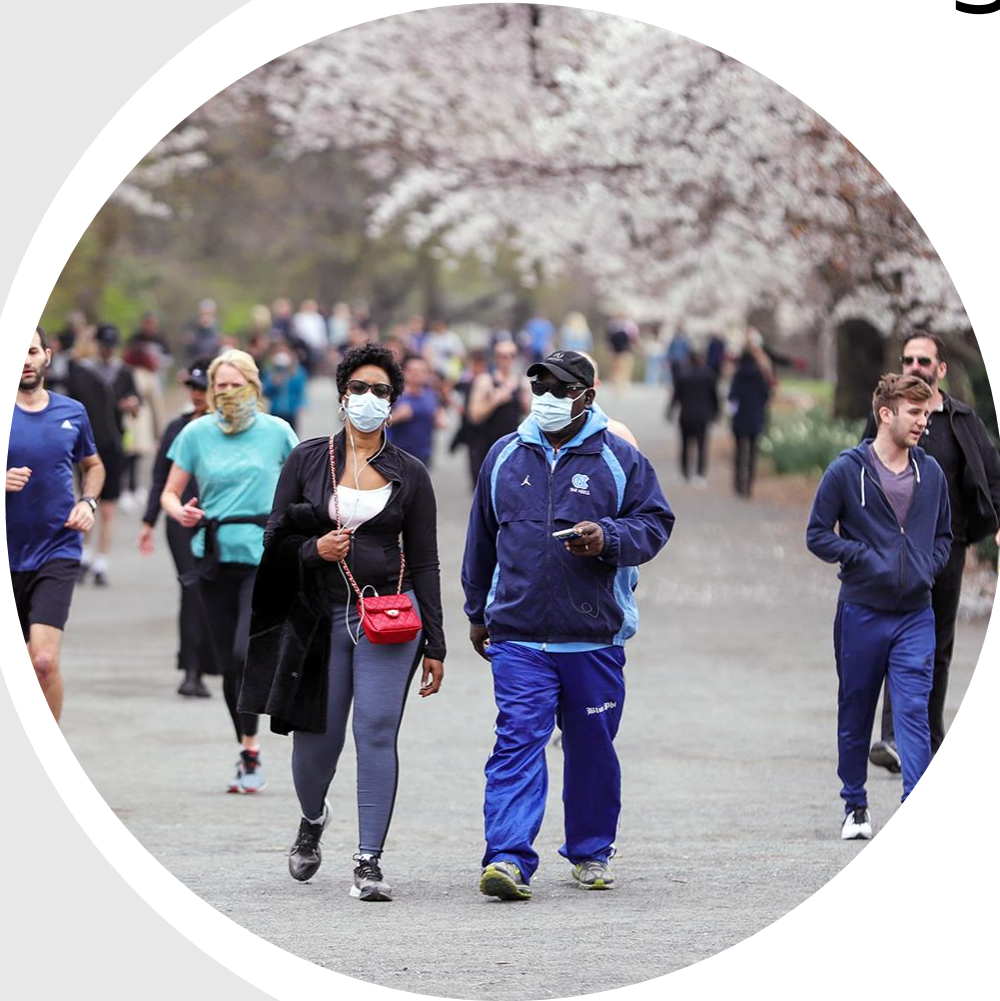
- Fatalities down 8%
- Fatality Rate up 14%



OPEN STREETS

Hundreds of miles of urban streets opened for increased walking and biking

Short-Term (Pre-Vaccine) Expectations



- This period could last 8 to 18 months,
- Conditions will continue to vary regionally,
- May involve localized closures (Fall?) due to reemergence of virus,
- Remotely enabled workers (30%) will exclusively or largely continue to work from home (WFH),
- Activity will be determined by individual risk assessments, not just “openings,”
- Activity will be “generational” – young people more, older people less.

Short-Term (Pre-Vaccine) Transportation Impacts



- Overall passenger transportation demand will remain depressed,
- Freight transportation demand will be at or above historic levels,
- Air travel will be dramatically depressed,
- Transit use/service will be limited to essential/service workers with limited options,
- Micromobility options/usage will be limited,
- Biking and walking will continue at elevated levels for short distance travel and exercise,
- Single Occupant Vehicle (SOV) usage will have increased mode share; congestion will remain down,
- Overall fatalities will remain down; fatality rate will remain elevated.

LONGER-TERM QUESTIONS AND IMPLICATIONS

- **Reduced Long-Distance Travel**
 - Continued reliance on video conferencing
 - Reduction in travel budgets
- **Shift to Permanent (full or part time) WFH Arrangements**
 - Widespread comfort with technology tools
 - Increased employer confidence in managing employee productivity remotely
 - Increased worker desire to work remotely
- **Reduction in Demand for Downtown Office Space**
 - Impacts on Central Business Districts – restaurants, business, parking
 - Change in demand for micro-mobility

LONGER-TERM QUESTIONS AND IMPLICATIONS (CONTINUED)

- **Mode Shift Away from Mass Transit and Toward Single Occupant Vehicles**
 - Change in rationale for & availability of transit – equity considerations
 - Potential increase in congestion and parking demand
 - Increased space for walking and biking
- **Funding for Transportation**
 - Federal stimulus/reauthorization
 - COVID-19 budget pressures at state and local level
 - Length and shape of recovery

ITE RESPONSE TO COVID-19

- **Curated Resource Page**

Transportation Resources, Transportation Impacts, Organizational Tools, Personal/Family Guidance

- **Deeper Dives**

Transportation Talks Podcast - Future of Transit

Learning Hub Webinar - Open Streets for Walking and Biking

Working Group - Traffic Counting Considerations

- **New Engagement Opportunities**

Virtual Drop-ins – 30-minute, Unstructured Focus-Group Discussions Every Tuesday and Thursday

- **Reimagined ITE Annual Meeting and Exhibit**

August 4-20

Tuesday-Thursday, 11:00-5:30 EDT

Plenary and Technical Sessions, Poster Presentations, Workshops

Exhibitor Showcase



FOR MORE INFORMATION

ITE COVID-19 RESOURCE
CENTER

[HTTPS://WWW.ITE.ORG/ABOUT-
ITE/COVID-19-RESOURCES/](https://www.ite.org/about-ite/covid-19-resources/)