Will we ever "go back" to our pre-COVID way of life?

Not completely, initial survey results suggest

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Survey Link Available At:

covidfuture.org

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COVID-19 has required most of us to make large changes to our daily lives.
commuting

working from home
shopping in stores

online shopping and delivery
flying to meet people

video conferencing
Will some of these new behaviors "stick"?

Some thought leaders say yes, while others think not.
“Once the…pandemic is over, it will…change our approach to where we work, how we get there and more.”

– William Fulton

March 29, 2020
“Will we see a massive shift to remote working and learning? Will we see a future of less traffic and reduced physical participation in activities? – DON’T COUNT ON IT!”

– Ram Pendyala, April 19 + 20, 2020
We are collecting data that will improve predictions of our future.
We will share our raw data with anyone who wants it to help plan for our future.
Presentation Outline

I. The Survey
II. Recruitment
III. Initial Sample
IV. Initial Results
V. Call for Partners!
Part I: The Survey
Survey Sections

I. Employment
II. Working and Studying
III. Shopping and Dining
IV. Social Interaction
V. Transport
VI. Attitudes
VII. Demographics
VIII. Social Network
Implemented in qualtrics
Length: Between 15 and 30 minutes

We will be revising somewhat to improve the survey in the next week, but length will remain the same.
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covidfuture.org

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Part II: Recruitment
Our recruitment thus far has been almost entirely via direct email contact and social media.
How is #COVID19 impacting your daily life and expectations for the future? @ASU #SGSUP prof has a new #research survey to collect responses from those ages 18+ and living in the US that could help us prepare for our future. Take the survey: asu.co1.qualtrics.com/jfe/form/SV_3W...
The NSF program officer in Civil Infrastructure Systems has recommended this project for funding.

We hope to have funds to recruit a large, nationally representative sample soon.
We are partnering with researchers at the University of Illinois Chicago for the next stage of this project.
In the meantime, please share the survey link with your networks!

covidfuture.org
Part III: Initial Sample

Is NOT representative of the U.S.

But is still interesting.
Education (age 25 or over)
Age

![Age Distribution Chart](chart.png)

- **Census**
- **Survey**

<table>
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<tr>
<th>Age Group</th>
<th>Census</th>
<th>Survey</th>
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Metropolitan area size

- Census
- Survey

Size categories:
- 100k or less
- 100k-500k
- 500k-1m
- 1m-3m
- 3m-5m
- More than 5m
- Non-metropolitan
Part IV: Initial Results
Household had COVID-19?

- Tested Positive?
- Believe Had COVID

- Refused
- No
- Yes
Household income change?

- Gone up a lot
- Gone up somewhat
- Stayed the same
- Gone down somewhat
- Gone down a lot
Household income change?

- Gone up a lot
- Gone up somewhat
- Stayed the same
- Gone down somewhat
- Gone down a lot

Approx. evenly split across income groups in our sample

24%
Would you like to continue any of these new ways of living after COVID-19 is no longer a threat?
Working From Home

Pre-COVID Actual: 50%
Post-COVID Expected: 68%
Demand may change for
• office space
• services in office districts
• home office equipment and services
Why decreased productivity?

- Too many concerns to focus: 210
- Home workspace less comfortable: 187
- Equipment not available: 70
- Difficult to communicate: 120
- More distractions: 210
- Care for others: 100
Why increased productivity?

- Job demands more
- Crisis focuses my mind
- No commute
- Home workspace more comfortable
- Fewer distractions
Online Meetings Once/Week or More

- Pre-COVID: 50% No, 50% Yes
- Now: 100% Yes
- Post-COVID: 40% No, 60% Yes
Online Meetings Once/Week or More

Pre-COVID: 50%
Post-COVID: 60%
Expected Change in Air Travel

- **Business**
  - More Flying: 42%
  - No Change: 29%
  - Less Flying: 29%

- **Personal**
  - More Flying: 29%
  - No Change: 29%
  - Less Flying: 42%
What might this mean for how airlines and airport authorities plan for their future?
Why will you fly less for business?

- Will use ground transport
- Virus safety concerns
- New company policy
- Job changed
- Meetings moving online

Why will you fly less for business?
Why will your personal flying decrease?

- Will use ground transport
- Virus safety concerns
- Priorities changed
- Affordability
- Meetings moving online
Expected Change in Daily Travel

- **Car**: 90% No Change, 10% More, 10% Less
- **Ridehail**: 90% No Change, 10% More, 10% Less
- **Transit**: 90% No Change, 10% More, 10% Less
- **Bike**: 80% More, 20% Less
- **Walk**: 80% More, 20% Less
What might this mean for how transit agencies plan for their future?
Can cities use these data to support allocating more street space for pedestrians and bicycles?
Will these **expectations** of change become **actual** change?

Time will tell, but in the meantime, more representative data will help.
Part V: Call for partners!
Survey Link Available At:
covidfuture.org

Contact: Deborah Salon, dsalon@asu.edu
Data Sharing Link
Coming Soon At:

covidfuture.org

Contact: Deborah Salon, dsalon@asu.edu
Thank you for listening!

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Thanks to TransportLab members and transport survey designers around the U.S. for their input.

Extra SPECIAL thanks to Matt Conway and Denise Capasso da Silva for helping code and revise the whole thing!!!