



AIR TRAVEL PATTERNS DURING AND AFTER THE PANDEMIC

November 19th, 2020

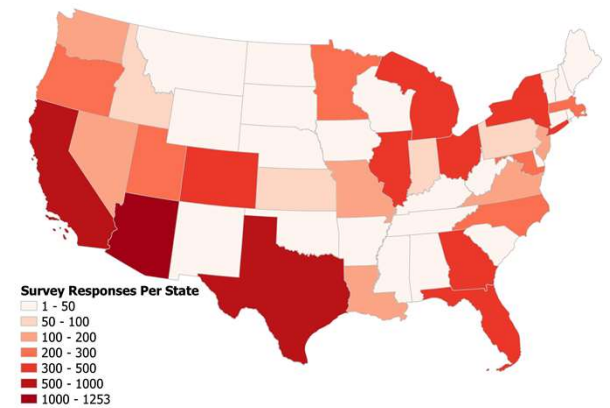
Sara Khoeini, Denise Capasso da Silva, Deborah Salon, and Ram Pendyala
Arizona State University



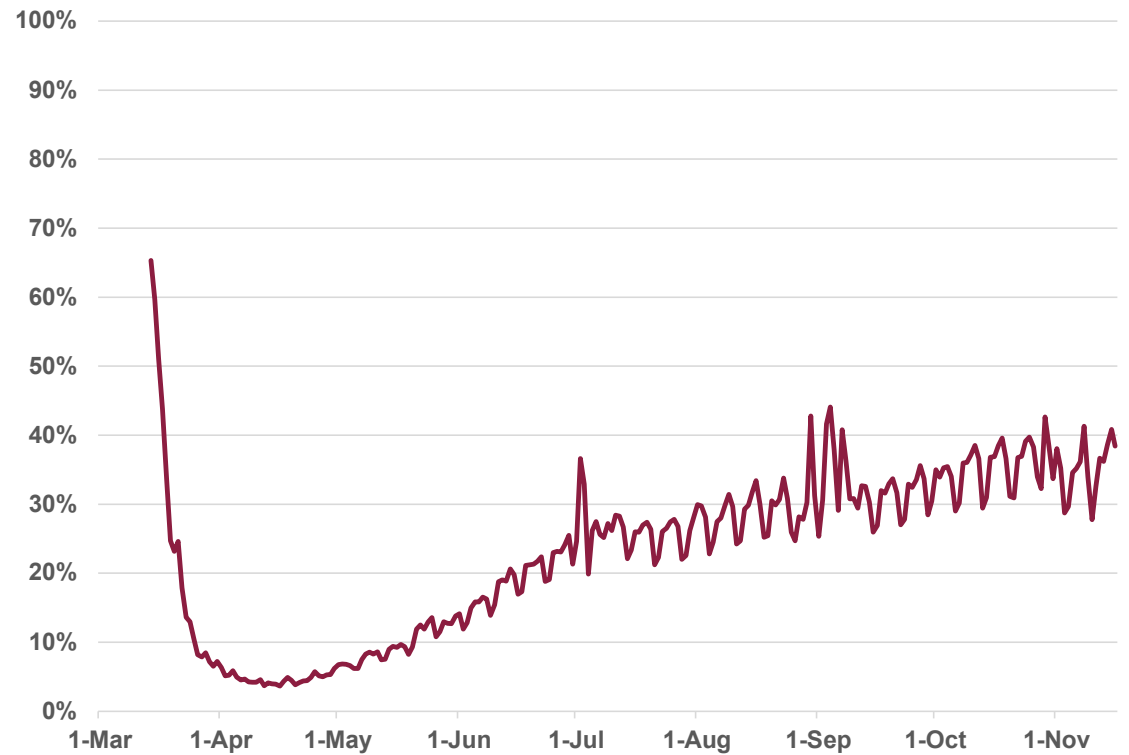
COVIDFUTURE Survey

www.covidfuture.org

- **Online panel survey implemented in Qualtrics**
- **Geographic coverage: United States**
- **Recruitment channels: convenience sample, random email recruitment, online survey panel, and others**
- **Three waves of data collection planned. Wave 2 underway now.**
- **Wave 1 time period: April 14 – October 14, 2020**
- **Wave 1 sample size: 8,723**



US TSA Checkpoint Passenger Throughput 2020 vs. 2019 Ratio



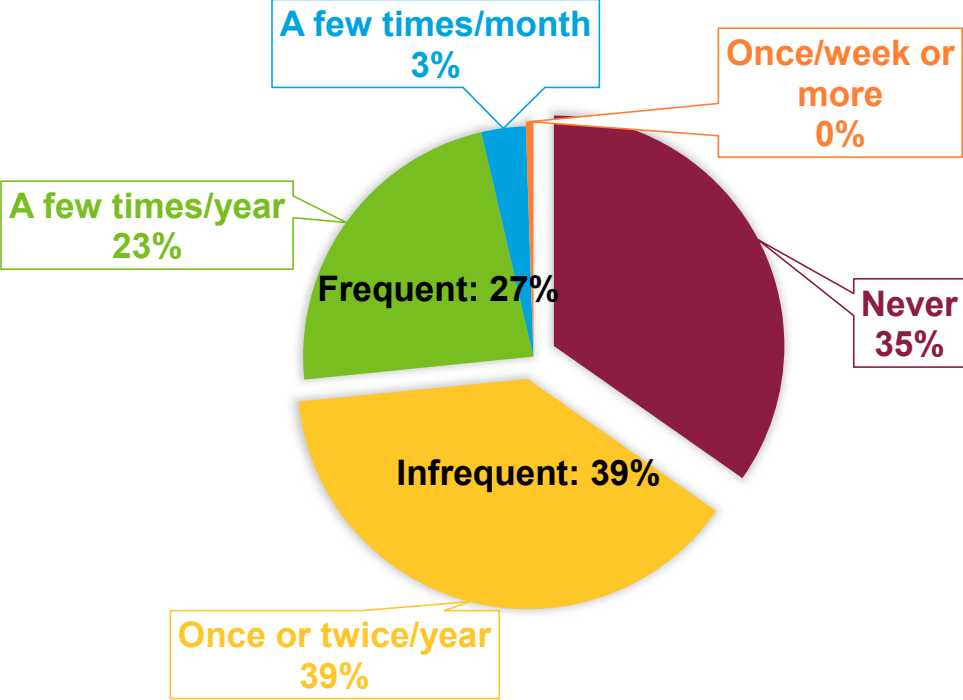
Information Source: www.tsa.gov, Nov 4th, 2020

Will decrease in air-travel
be **long-term**?

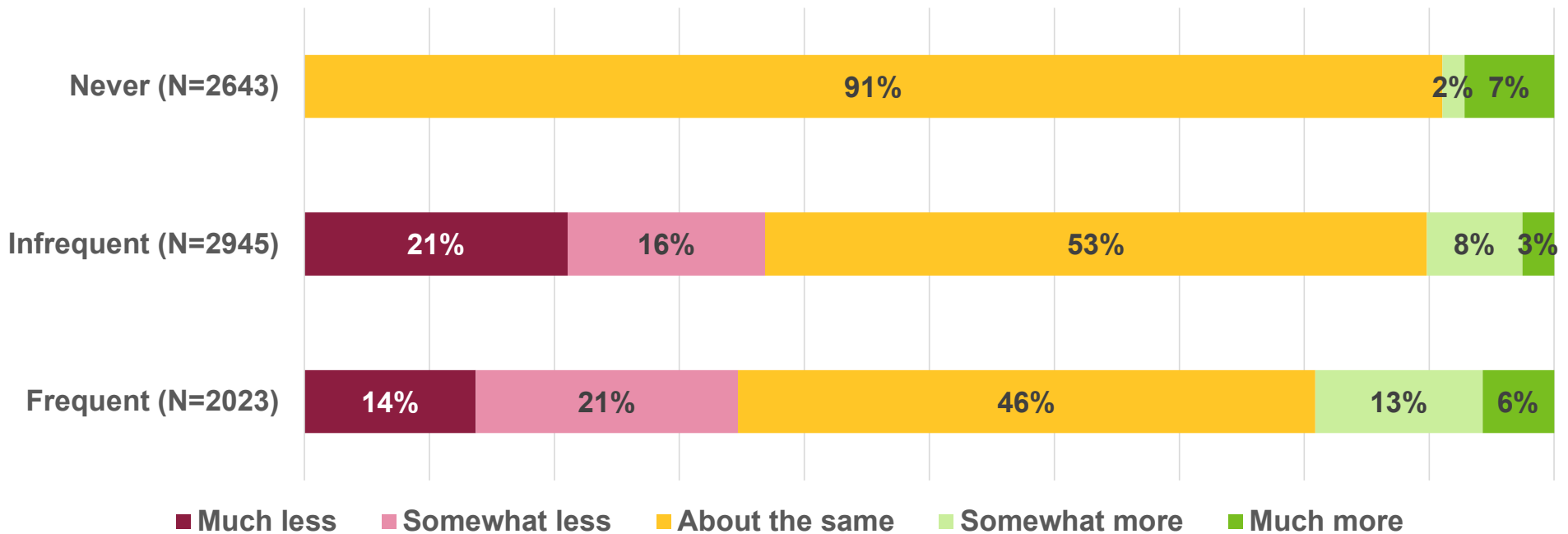
A Look of Americans' Expectations

Long-distance **Personal** Air Trips Frequency

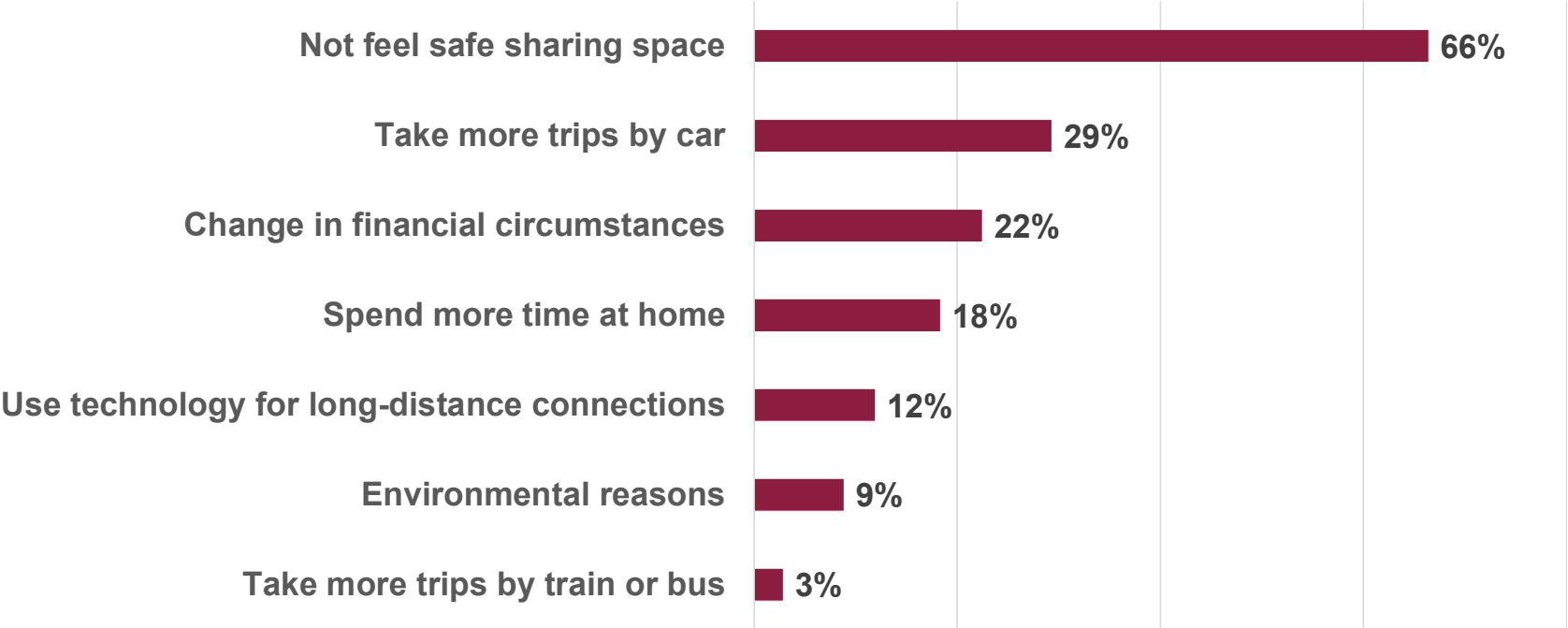
Before the Pandemic (N=7,611)



Long-distance **Personal** Air Trips: *Expected Change After the Pandemic*



Reasons for Decrease in Personal Air Travel (N=1787)

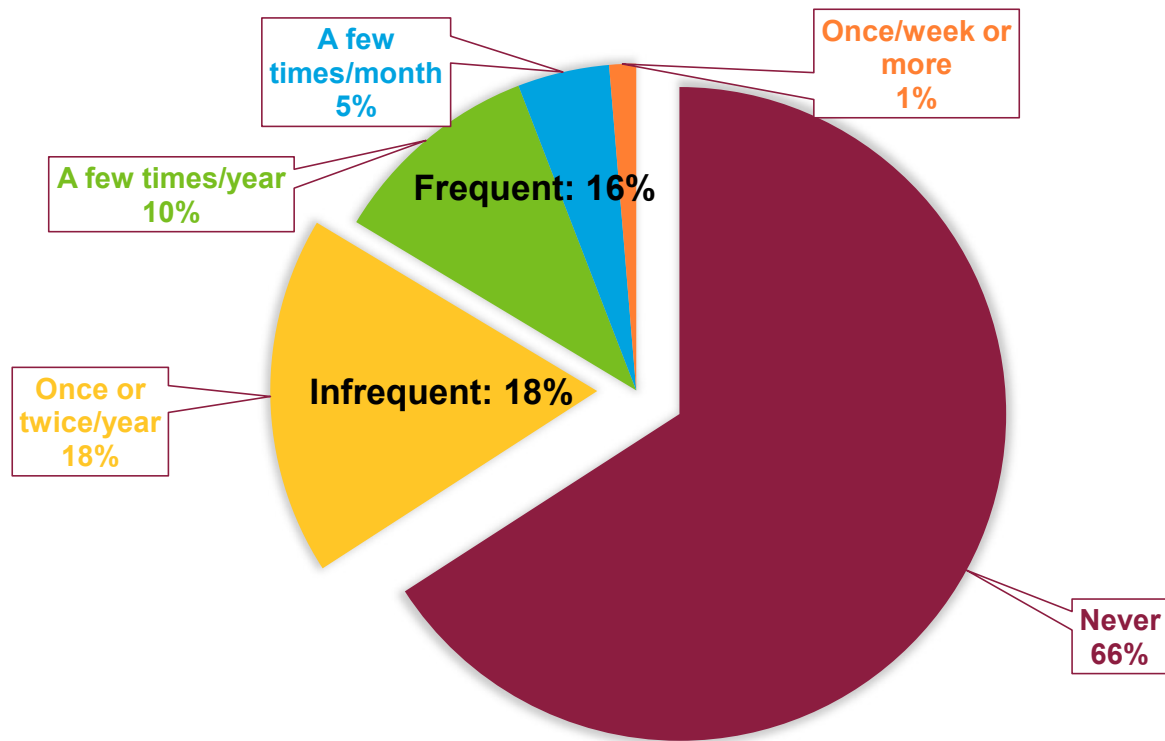


Reasons for Increase in Personal Air Travel (N=687)



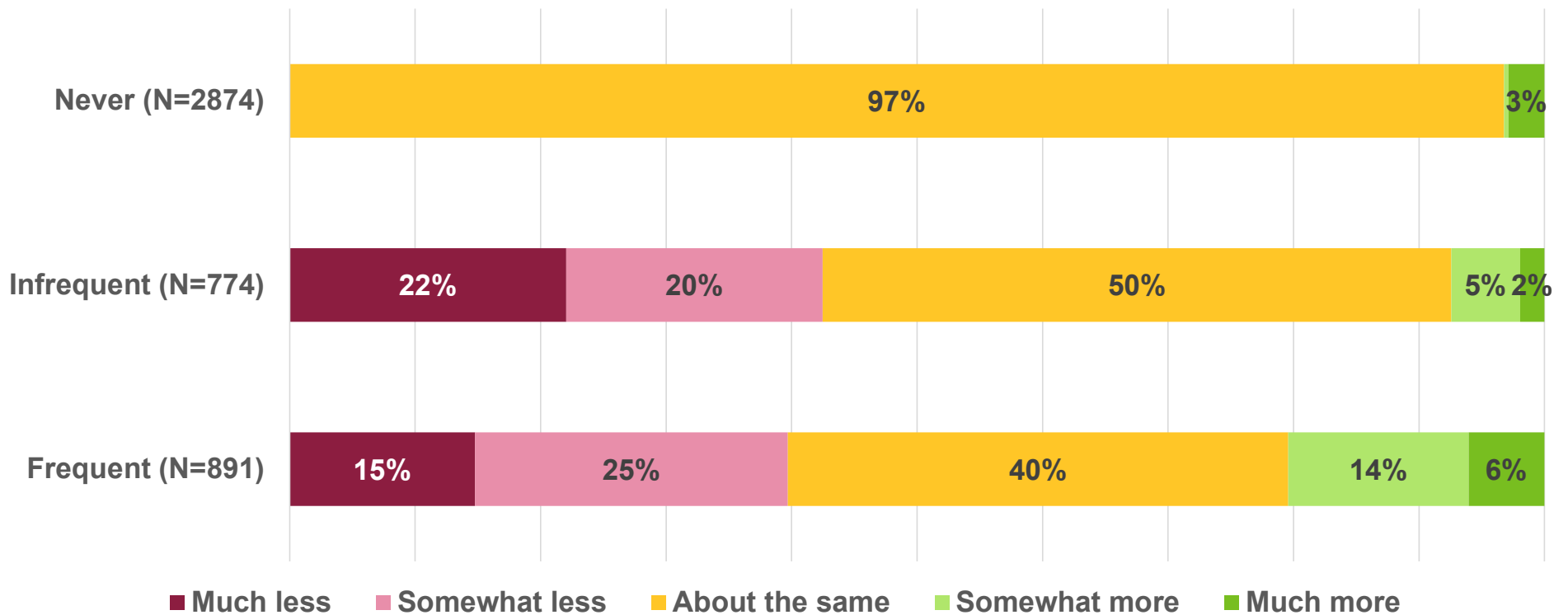
Long-distance **Business** Air Trips Frequency

Before the Pandemic (Workers: N=4,363)

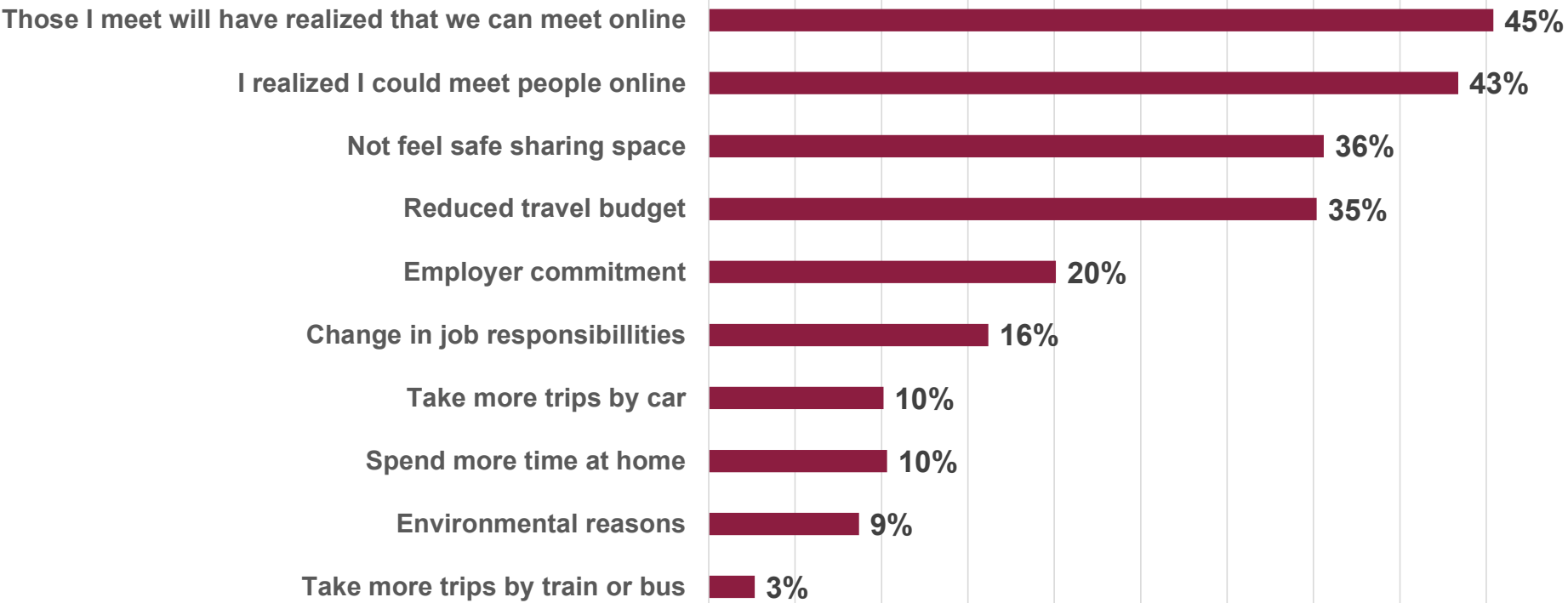


Long-distance **Business** Air Trips

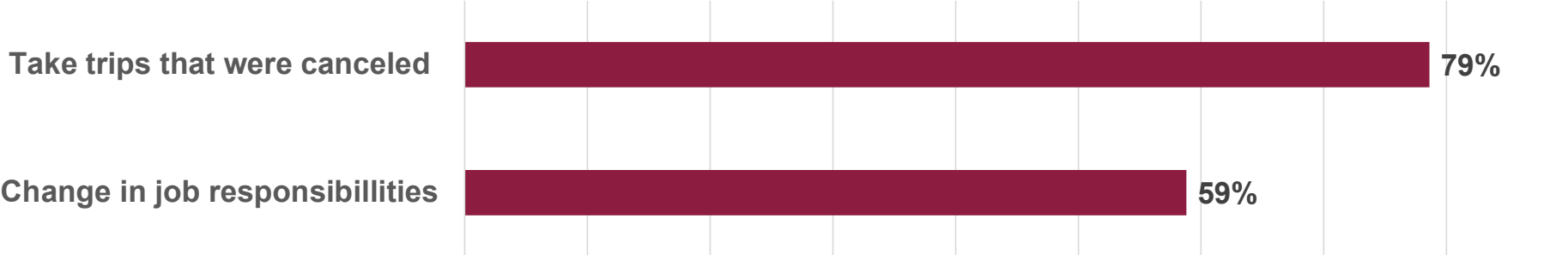
Expected Change After the Pandemic



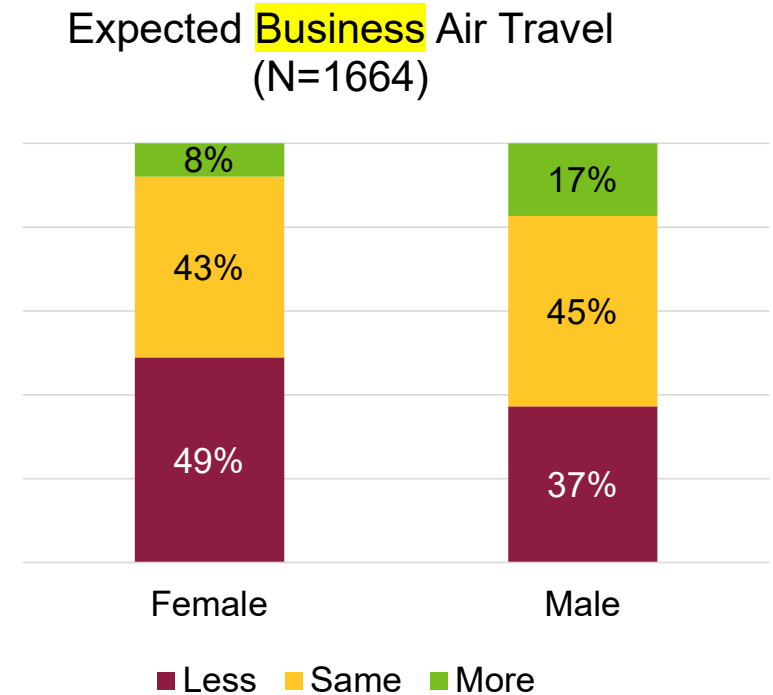
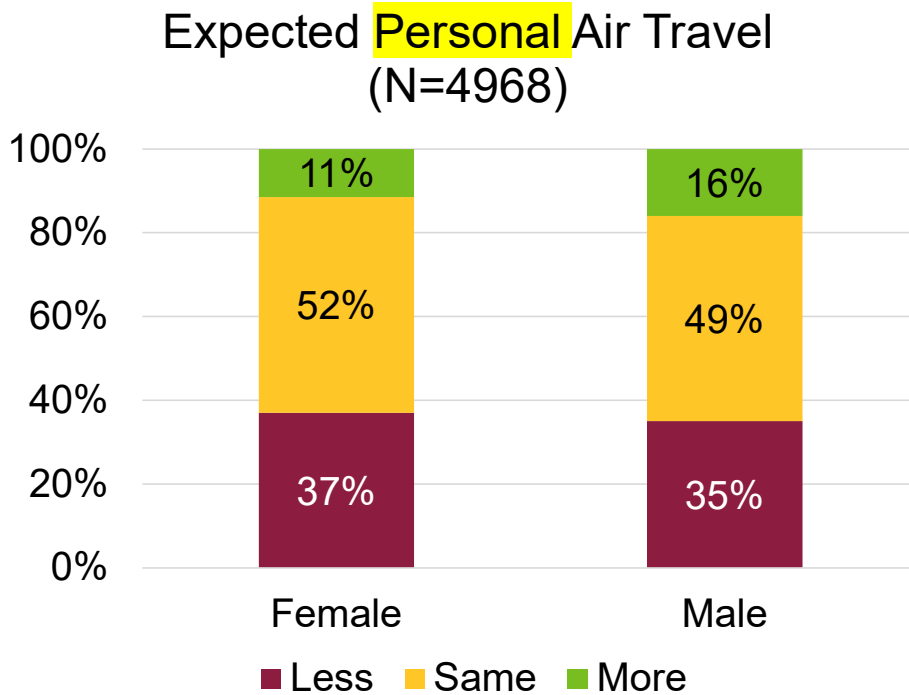
Reasons for Decrease in Business Air Travel



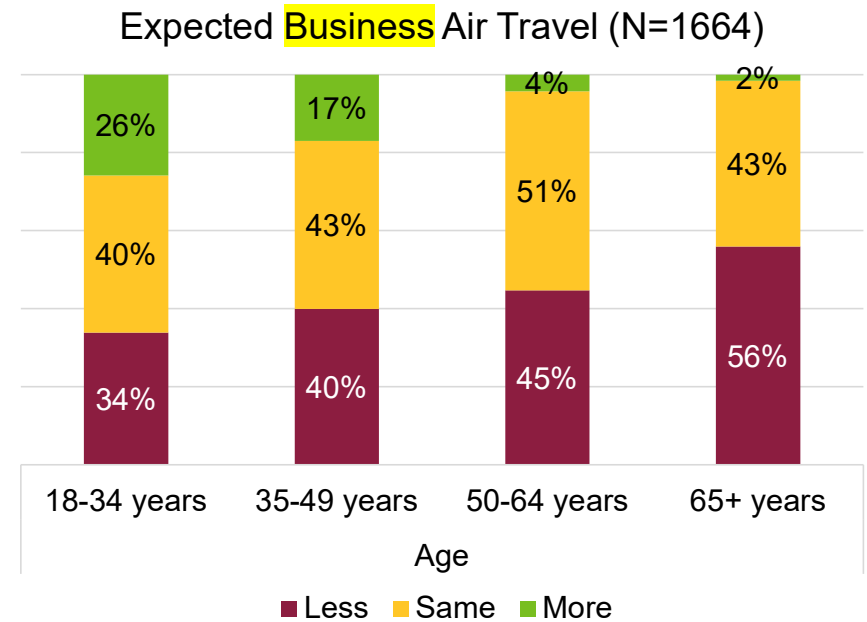
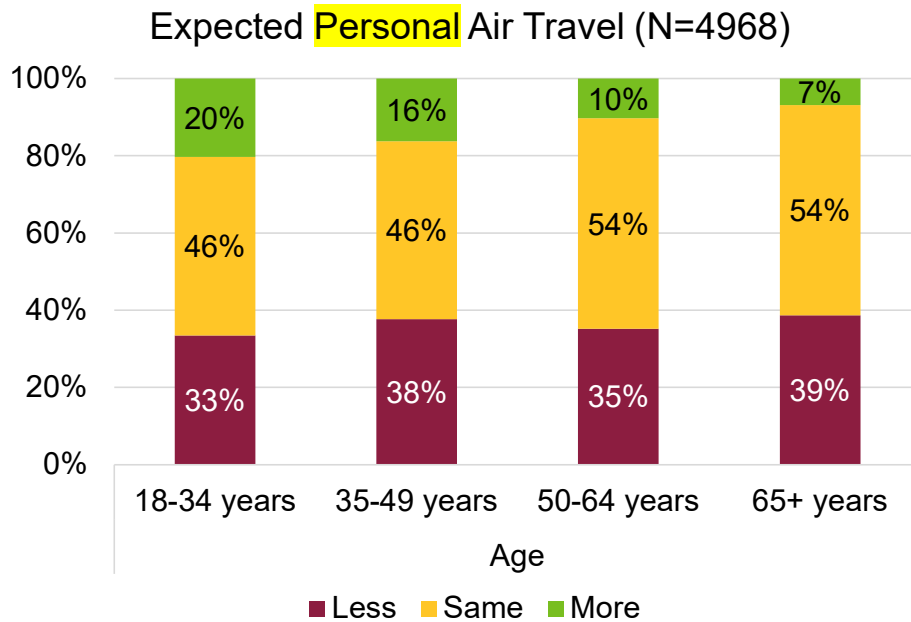
Reasons for Increase in Business Air Travel



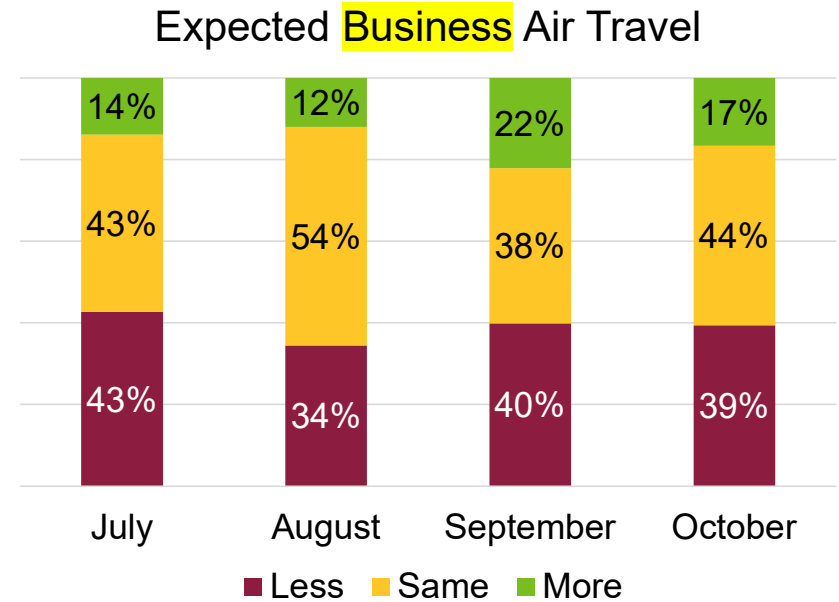
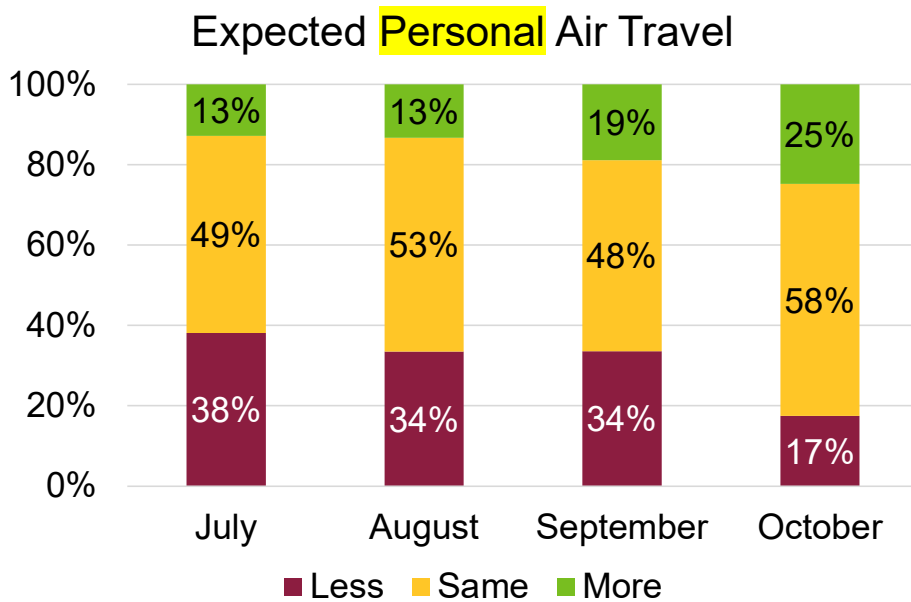
Expected Air Travel and Gender



Expected Air Travel and Age



Expected Air Travel across Time



	Personal	Business
July	3235	1105
August	1098	325
September	381	158
October	206	66
Total	4920	1654

COVIDFUTURE Survey

Key Takeaways

Air Travel



- Around **40%** of flyers expect to **decrease** and around **15%** expect to **increase** their **air travel**
- **Infrequent flyers, women, and older population** are **more likely to decrease** their air travel

Expected **increase** in air travel
might lead to a **short-term**
jump to compensate for the
pandemic period

Expected **decrease** in air travel
seems more likely to be
long-lasting for **business** than
personal trips

Learn More At

covidfuture.org

Thank you!

Sara Khoeini (Sara.Khoeini@asu.edu)

Denise C. Silva

Ram Pendyala

Deborah Salon

Acknowledgments

Matthew Conway, Dr. Abolfazl Mohammadian, Dr. Sybil Derrible,
Rishabh Chauhan, Ehsan Rahimi, Ali Shamshiripour

