

Cleaning and disinfection during the COVID-19 pandemic: Determining safe and effective workloads for California Janitors.

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Study Phases

Survey N=729

- COVID-19 impact
- Exposures
- Mental/Physical Health

Focus Groups

- Work changes
- Productivity Requirements
- Management challenges

Time Motion Study

- Biomechanical exposures/risk
- Compare actual to ISSE production rates



Time Motion Study

Venue 1
Mall

START RECRUITING
THIS MONTH

Venue 2
Airport

SAC IN PROGRESS
Working on access to SFO

Venue 3
Biotechnology

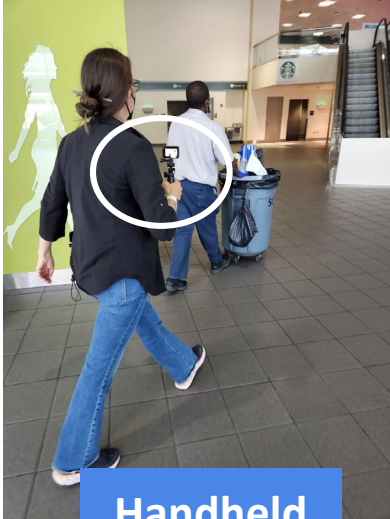
CHALLENGES ACCESSING
DUE TO VIDEO RECORDING-
CHANGE TO SCHOOLS?

Venue 4
Office Buildings

COLLECT DESPITE LOW CAPACITY?



Data Collection



Handheld
Camera



Measurements



Wearable
Sensors



Data Collection



Heart Rate Monitor(HR)



activPAL™



Handheld
Camera



Laptop used with
XSens & LMM
only



XSens



Lumbar Motion Monitor



Challenges & Next Steps

COVID-19 continues to make data collection challenging due to illness, accessibility of venues, and some “new normal” capacity

Budget spending has been in line with work/ access to venues

- Will be able to bring on more people as access increases
- Will have carryforward to support ongoing analysis past December

Fall continues to be dedicated to:

- Survey analysis
- Continued data collection in closed populations (ie., venues)
- Continued data analysis of video on participants to date
- Collecting data on airports and malls
- Offices? Schools?



Discussion

- Are office venues acceptable if capacity continues to be low?
- Should we see if schools would be interested in participating (West Contra Cost Unified School District?)

Quarterly Reports

- Needs to be triggered by access to venues, approvals from Janitorial Companies
- Once we have access, we will move quickly to collect and analyze data
- Survey Report will be ready by December as previously indicated



Questions?

THANK YOU!

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