

Masking Study Results for Week of Dec 10 – Dec 16

Please address questions or comments to Ben Clark – bclark2@uoregon.edu

Each page will provide details by location with a vertical dashed line showing the mean rate for the time period listed at the top of the graphs.

Cumulative Results (both UO and Lane County sites combined)

- Cumulative proper masking wearing rate for all sites visited on and off-campus since 9/18 is: 89.6% (last week 89.7%)
- This week's proper masking wearing rate for all sites visited on and off-campus: 91.1% (last week 88.9%)

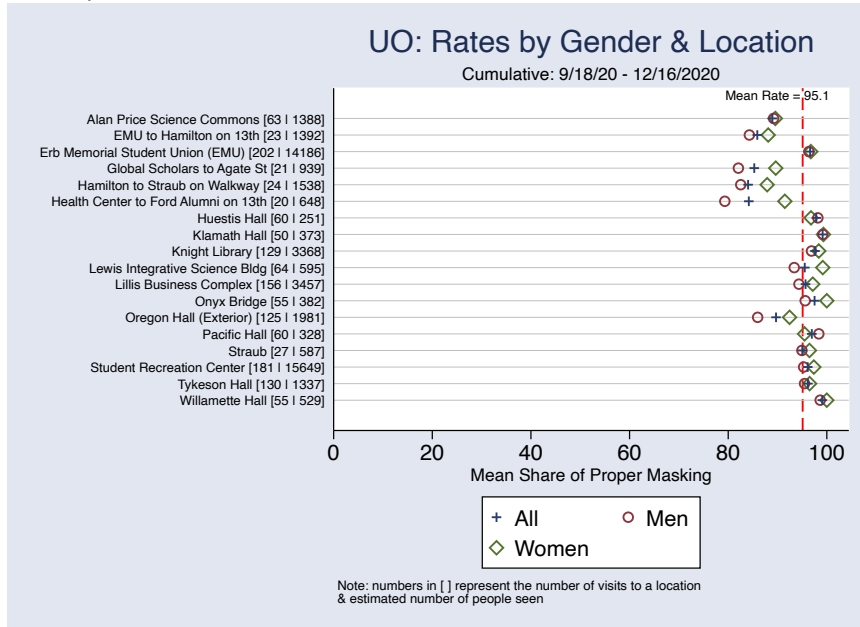
Notes for all locations

- With UO term ending we have fewer observers available, consequently fewer observations than in a typical week. Won't be back up to full strength until the new year.

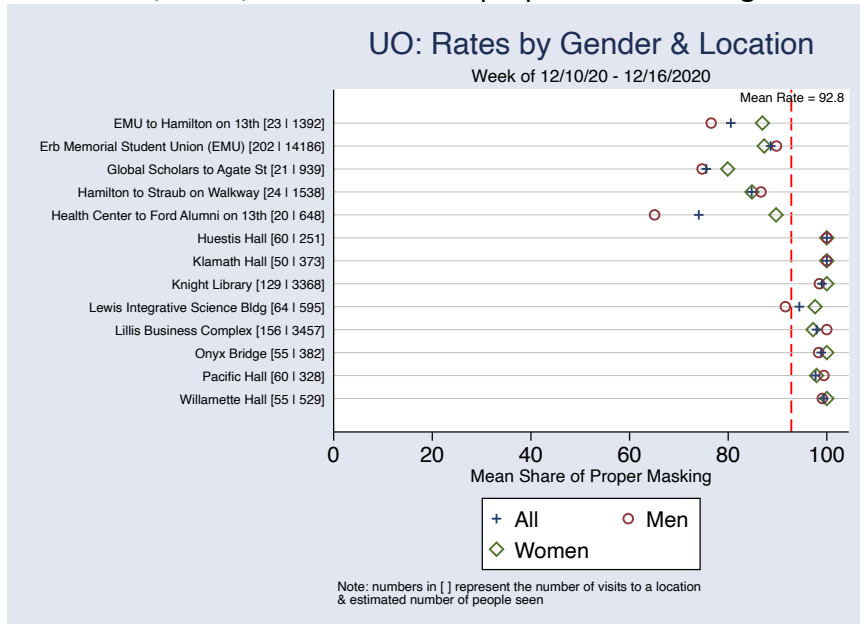
Results for University of Oregon Sites

Note: Sites on the *Portland Campus* have rates above those on the Eugene Campus. Cumulatively we've found proper mask wearing at about 99% of the time. Last week the rate was again 100%.

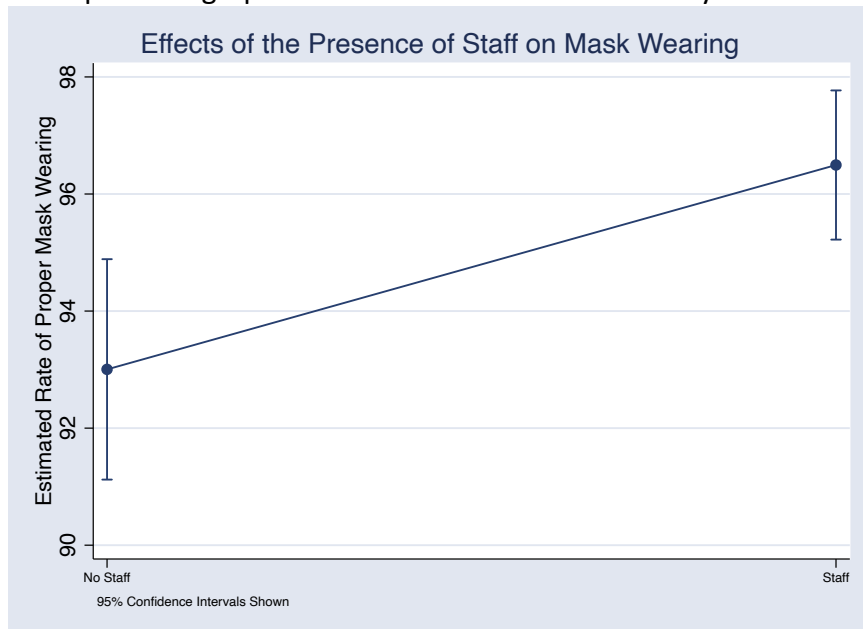
Cumulative Results for UO: Mean rate of proper mask wearing to date is 95.1% (last week 95.2%)



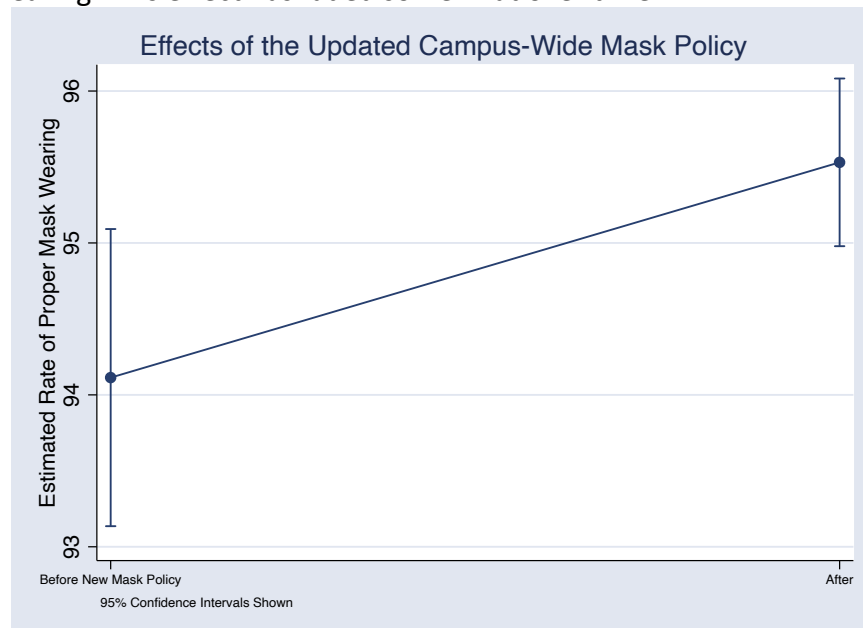
Week of 12/10-12/16: Mean rate of proper mask wearing to date 92.8% (last week 94.9%)



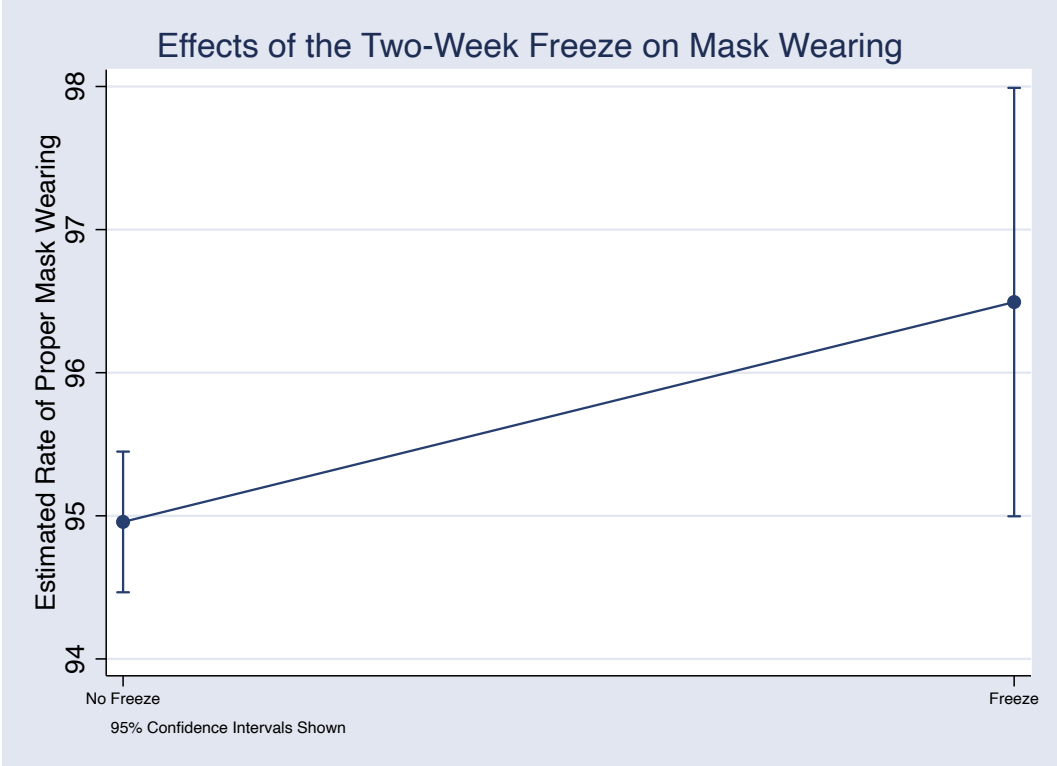
Statistic of note on regression models: The presence of UO staff has a positive effect on mask compliance. The effects of staff presence remains significant, increasing mask wearing by **about 3.7 points**, all else equal. The graphic below shows this effect visually.



The UO campus-wide policy enacted on 10/22 that required masks indoors and out is empirically effective. This policy has demonstrated a **1.5 point increase**, all else equal, on proper mask wearing. This effect has faded somewhat over time.

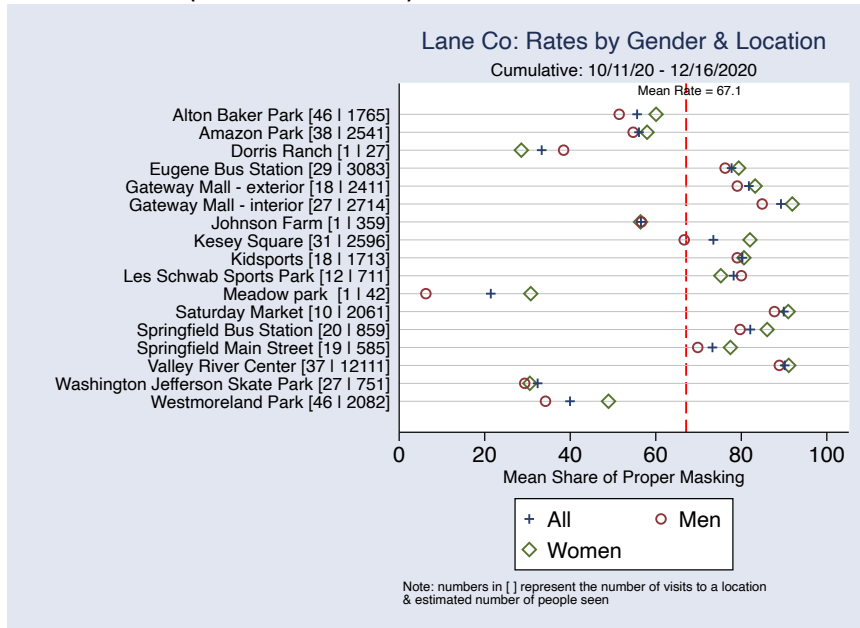


The two-week freeze put in place the week prior to Thanksgiving demonstrates a positive and marginally statistically significant (10% level) effect on mask wearing on the University of Oregon campus, but not Lane County broadly. We saw a 1.6 percent increase during this two-week period.

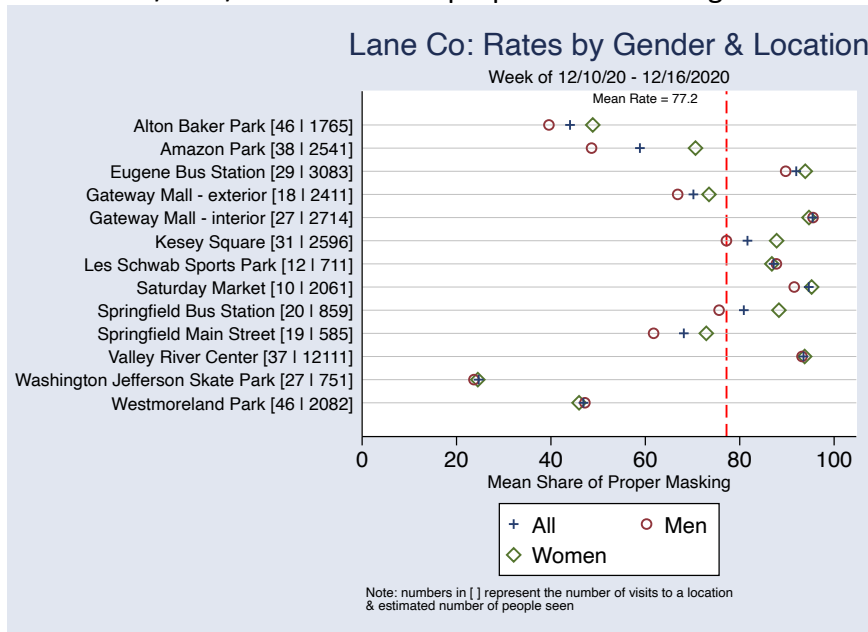


Results for Lane County

Cumulative Results for Lane County Sites since 10/11: Mean rate of proper mask wearing to date is 67.1% (last week 65.8%)



Week of 12/3-12/9: Mean rate of proper mask wearing to date is 77.2% (last week 74.3%)



Methodology of data collection

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Who are we counting for proper, improper, or no masking data? The data team has been asked to only count people outside that are not socially distanced. Inside buildings, or at the Saturday Market, we count everyone there. For proper masking we are looking for nose and mouth covered when within 6 feet. Improper masking is noted for people that are wearing a mask but have their nose and/or mouth outside of the mask. Children under 2 are to be excluded from the count. Note: UO changed their policy the last week of October, so now everyone on campus should be masked in or outdoors. Thus data being collected after the issuance of that policy on campus reflects this change in policy.

How were sites selected for the study? Locations on the UO campus were selected by UO Safety and Risk team in consultation with IPRE. Sites throughout Lane Co were selected by the Lane County Public Health, the City of Springfield city manager's office, or the City of Eugene IMT.

What steps are being taken to verify data and get accurate counts at each location? Ideally two people are present at the same location for each observation to get verification on each data point. While this doesn't always happen, that is our goal. Observations from a shift are averaged together to smooth out any collection errors. The rotations for observations usually last 20 mins, then the observers go to a new location. Another team may come to that same location during the same shift if we are collecting data on campus, but not off campus. Off campus locations are a bit further apart, thus they may stay a little longer at each site.