

**Results of
the Third Observational Surveys of Mask Use
in Indoor Public Areas
in Jefferson County, KY,
during January 25–31, 2021**

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DEPARTMENT OF
**PUBLIC HEALTH
AND WELLNESS**

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Key Takeaways

- **The Mask-wearing rate has decreased** in the county.
- **Correct use of masks has increased** in the county.
- The rate of the unmasked (among both visitors and staff) has significantly increased in the **South & South West district**.
- Incorrect mask-wearing has remained prevalent among visitors and staff of public areas located in **western districts**.
- Not using a facial mask has become more prevalent in **smaller than 5000 square feet public areas**.
- The majority of the unmasked are **males**.

Summary of Results

- 254 indoor public areas were observed in the third wave of the observational survey of mask use in Jefferson County, Kentucky.
- Public areas were stratified by county district (7), retail trade type (4), and size (2).

- ***Unmasked Visitors***

6% of Jefferson County public areas visitors did not wear a mask, a 2% increase from December 2020.

- **By District:**

The highest rate of the unmasked among public areas visitors was observed in the South & South West district, 17%; it was 8% or less in other districts.

In December 2020, the highest rate of the unmasked among public areas visitors was observed in the same district, 8%; it was 6% or less in other districts.

- **By Retail Trade Type:**

Visitor unmasked rate was

- 10% in furniture, equipment, building material, garden supply stores
- 7% in general merchandise stores and apparel and accessory stores
- 6% in food and grocery stores
- 3% in miscellaneous retail stores

In December 2020, the observed rate of unmasked visitors was 2% in furniture, equipment, building material, garden supply stores.

- **By Public Area Size:**

The unmasked rate was 15% in medium-size (2,500–5,000 sq ft) public areas, 3% in large (5,000-plus sq ft) public areas.

In comparison to December 2020, the unmasked rate in large public areas did not change but significantly increased in medium-size areas (from 3% to 15%).

- ***Incorrectly Masked Visitors***

10% of Jefferson County public areas visitors wore a facial mask incorrectly (i.e., either mouth or nose was not covered), a 4% decrease from December 2020.

- **By District:**

The highest rates of the incorrectly masked among visitors were observed in western districts:

- 20% in North West
- 15% in West Center
- 12% in South & South West

The same districts had the highest rate of incorrect mask-wearing in December 2020 as well:

- 20% in North West
- 17% in West Center
- 19% in South & South West

- **By Retail Trade Type:**

The highest rate of the incorrectly masked among visitors was observed in food and grocery stores, 13%.

In December 2020, the rate was 18% in food and grocery stores.

- **By Public Area Size:**

The incorrectly masked rate was 9% in medium-size (2,500–5,000 sq ft) public areas, 11% in large (5,000-plus sq ft) public areas.

Compared to December 2020, the rate of incorrect mask-wearing in both medium-size and large public areas decreased.

- ***Unmasked Staff***

9% of Jefferson County public areas staff did not wear a mask, a 1% increase from December 2020.

- **By District:**

The highest rates of the unmasked among staff were observed in the following districts:

- 20% in South & South West
- 16% in West Center
- 16% in Central

In December 2020, the no-mask rate in these districts was:

- 6% in South & South West
- 11% in West Center
- 8% in Central

No unmasked staff was observed in the North Center district.

- **By Retail Trade Type:**

Staff unmasked rate was

- 13% in food and grocery stores
- 8% in furniture, equipment, building material, garden supply stores
- 8% in miscellaneous retail stores
- 6% in general merchandise stores and apparel and accessory stores

In December 2020, the observed rate of unmasked staff was 7% in food and grocery stores.

- **By Public Area Size:**

The unmasked rate was 21% in medium-size (2,500–5,000 sq ft) public areas, 2% in large (5,000-plus sq ft) public areas.

In December 2020, the unmasked rate in large public areas was 1% but 13% in medium-size areas.

- ***Incorrectly Masked Staff***

11% of Jefferson County public areas staff wore a facial mask incorrectly, a 2% decrease from December 2020.

- **By District:**

The highest rate of the incorrectly masked among staff was observed in the following districts:

- 25% in North West
- 19% in West Center
- 19% in Central

In December 2020, the rates in the above districts were:

- 12% in North West
- 20% in West Center
- 9% in Central

No incorrectly masked staff was observed in the North Center district.

- **By Retail Trade Type:**

The highest rate of incorrectly masked staff was observed in food and grocery stores, 16%. The rate in food and grocery stores was 16% in December 2020 as well.

- **By Public Area Size:**

The incorrectly masked rate was 13% in medium-size (2,500–5,000 sq ft) public areas, 10% in large (5,000-plus sq ft) public areas.

In December 2020, the incorrectly masked rate in medium-size and large public areas was almost the same (14% and 10%).

Figure 1: Constructed city districts in Jefferson County, Kentucky

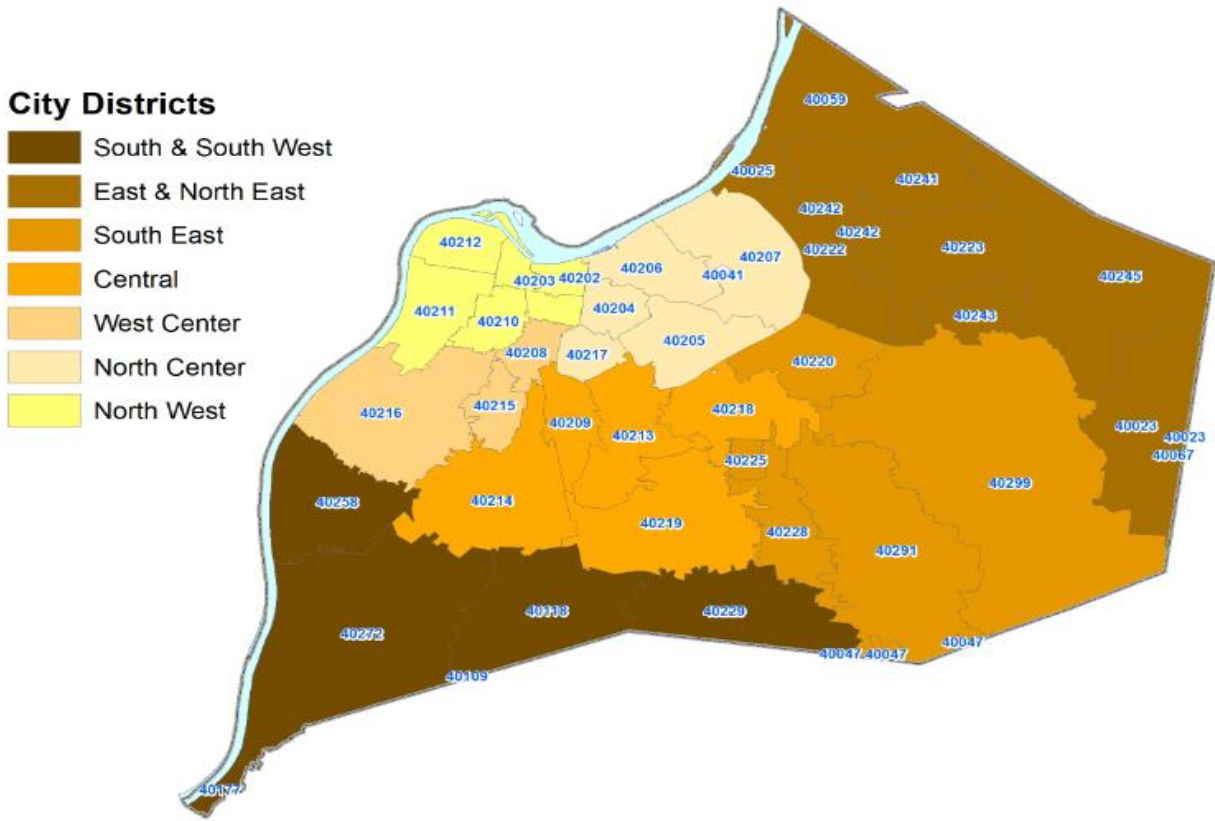


Figure 2: Number of Observed Indoor Public Areas by District

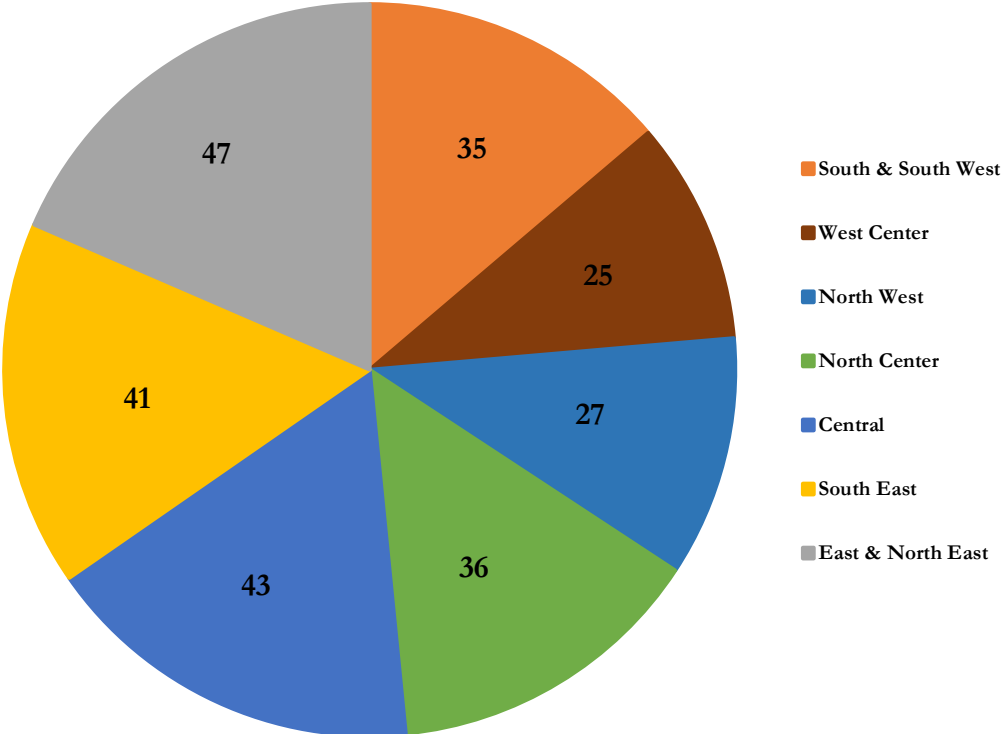


Figure 3: Number of Observed Indoor Public Areas by Retail Group

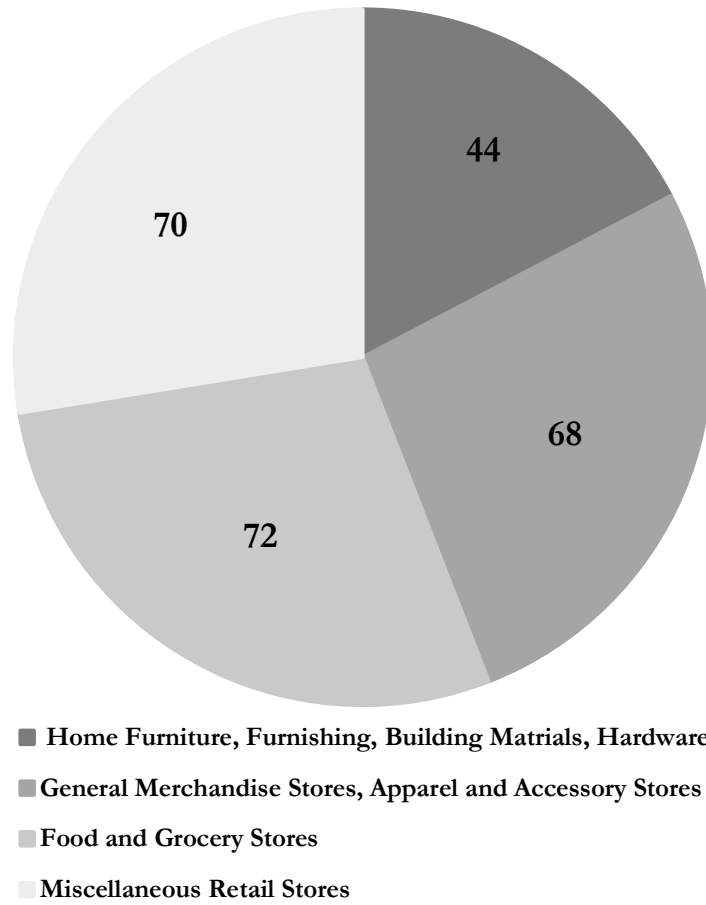


Figure 4: Number of Observed Indoor Public Areas by Size

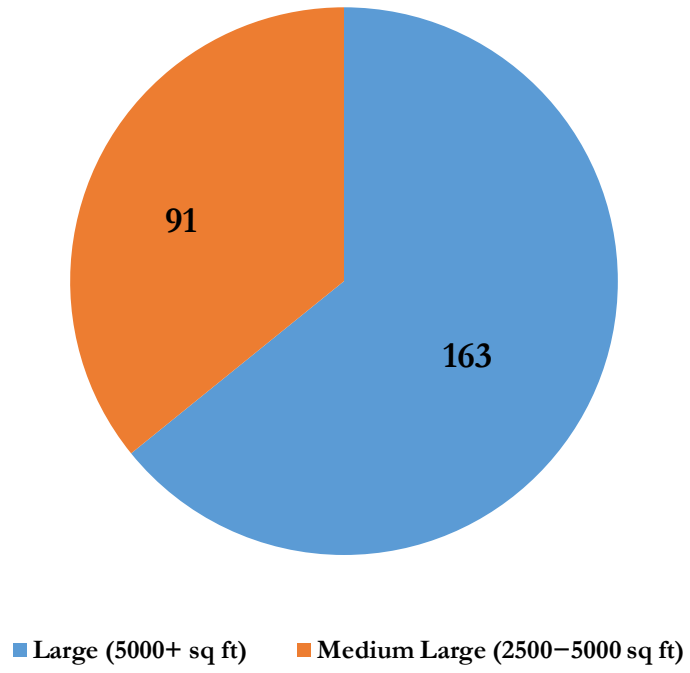


Figure 5: The Average Rate of the Unmasked and Incorrectly Masked among Visitors and Staff of Jefferson County Public Areas by District, Jan. 25–31, 2021

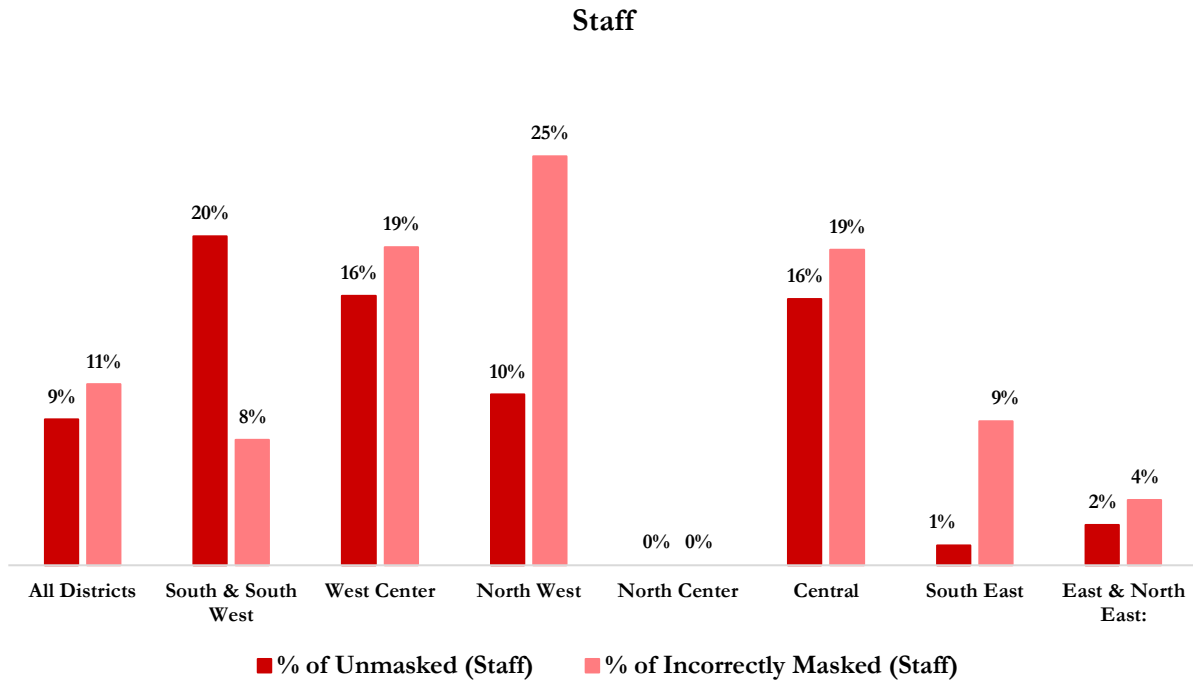
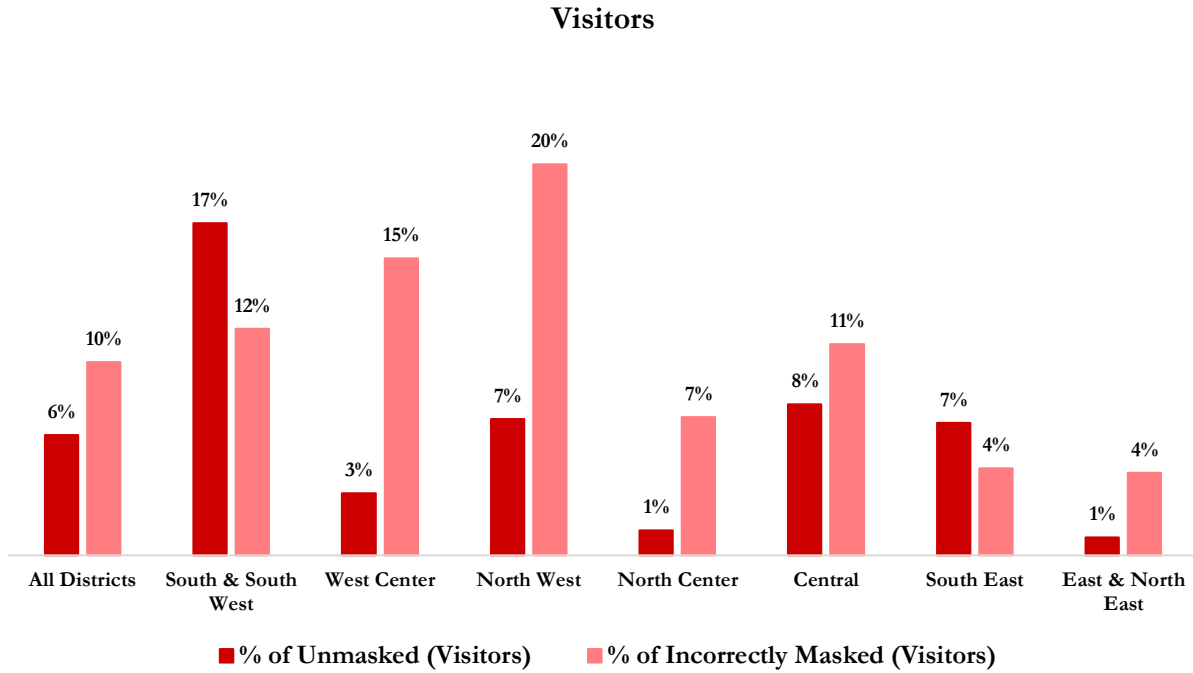


Figure 6: The Average Rate of the Unmasked and Incorrectly Masked among Visitors and Staff of Jefferson County Public Areas by Retail Group, Jan. 25–31, 2021

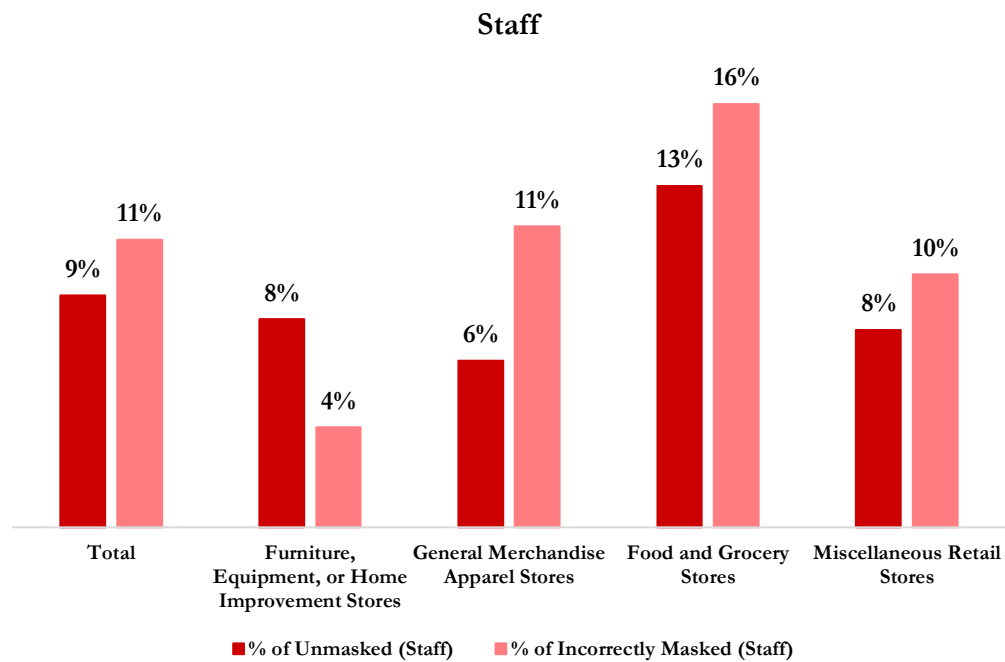
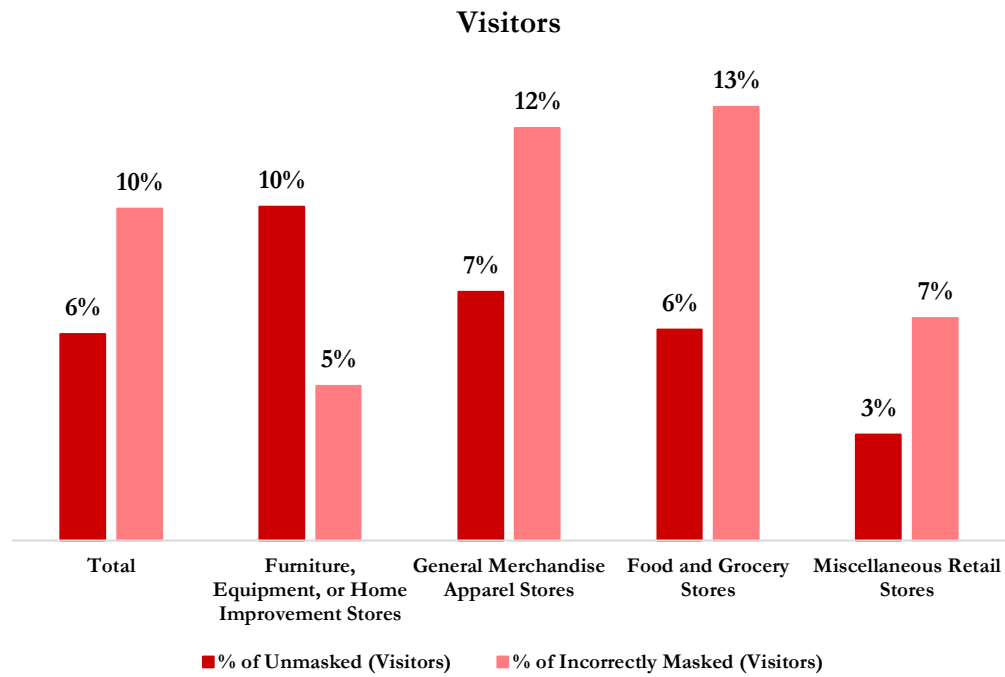


Figure 7: The Average Rate of the Unmasked and Incorrectly Masked among Visitors and Staff of Jefferson County Public Areas by Size, Jan. 25–31, 2021

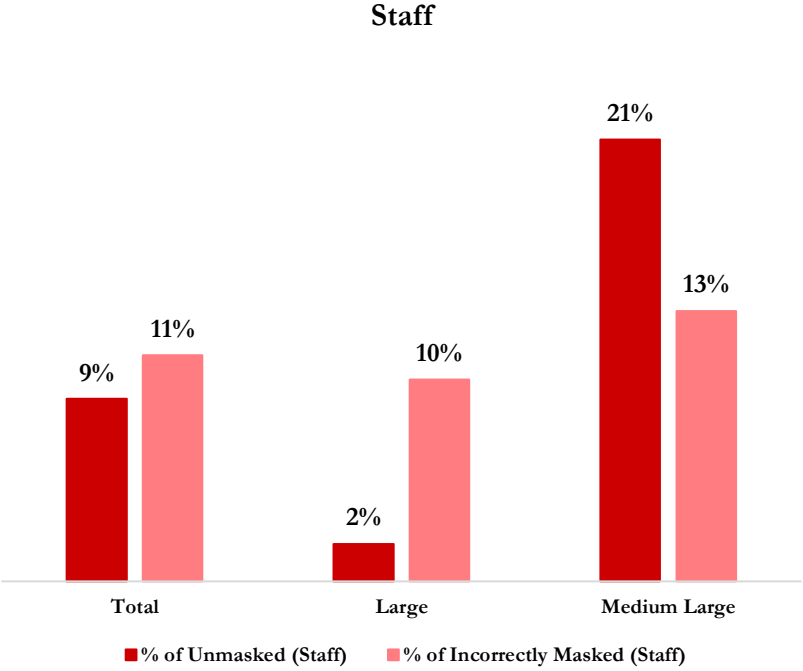
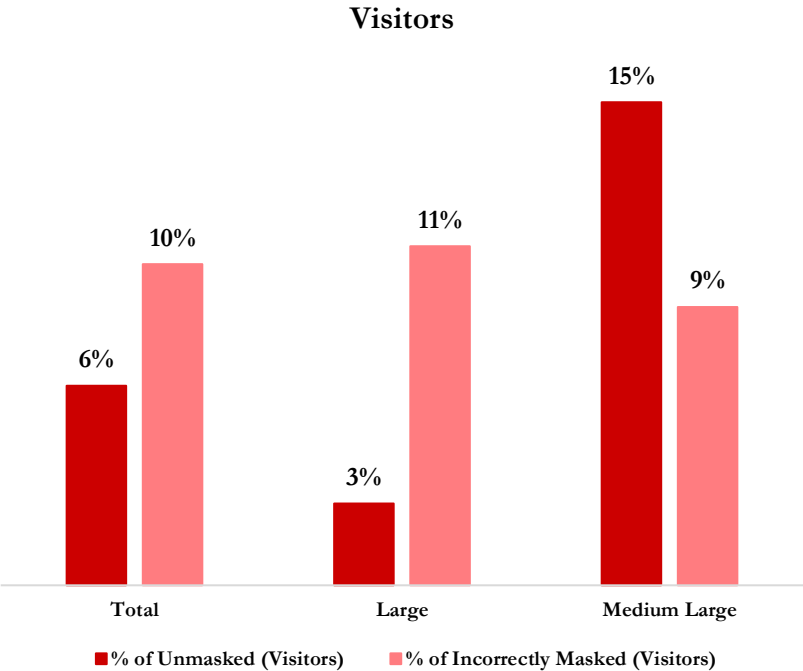


Figure 8: The Percentage of Males among the Unmasked and Incorrectly Masked, Jan. 25–31, 2021

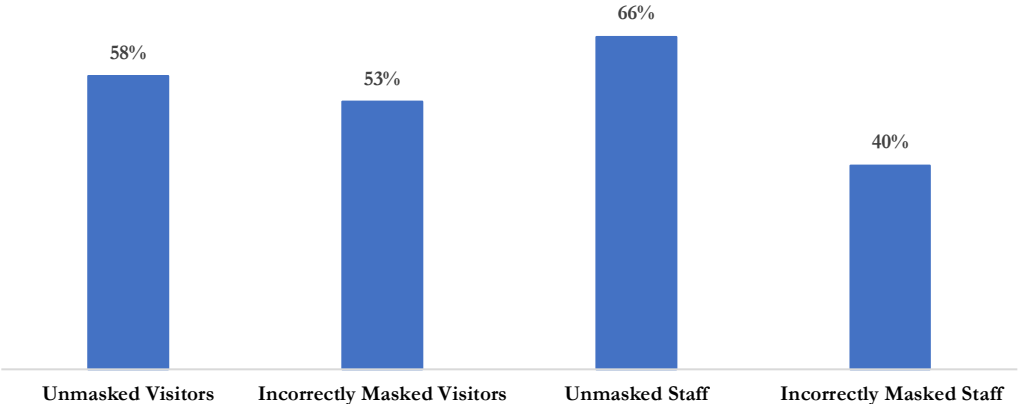
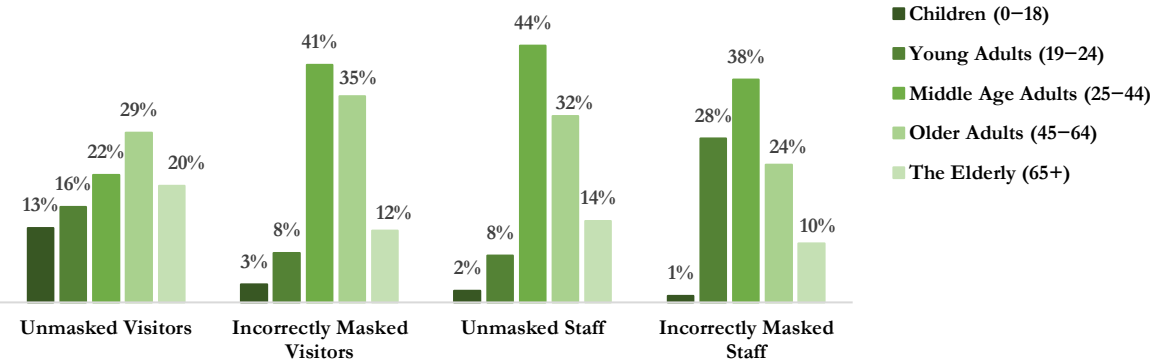


Figure 9: The Age Distribution of the Unmasked and Incorrectly Masked, Jan. 25–31, 2021



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