

Table 4 Bivariate relationships of survey responses by rural or dental practice, n=233

| | Rural practice n (column percentage) | Metropolitan practice n (column percentage) | <i>P</i> -value* |
|--|---|--|------------------|
| Sources of information accessed | | | |
| CDC website | | | <0.005 |
| Yes | 105 (86.1%) | 72 (64.9%) | |
| No | 17 (13.9%) | 39 (35.1%) | |
| National ADA website | | | 0.055 |
| Yes | 114 (93.4%) | 95 (85.6%) | |
| No | CS | 16 (14.4%) | |
| WV State Department of Health website | | | 0.593 |
| Yes | 71 (57.5%) | 68 (61.8%) | |
| No | 52 (42.3%) | 42 (28.2%) | |
| Sources of information received | | | |
| WV State Dental Society | | | 0.181 |
| Yes | 103 (84.4%) | 84 (77.2%) | |
| No | 19 (15.6%) | 25 (22.9%) | |
| Media | | | 0.396 |
| Yes | 87 (71.3%) | 72 (65.5%) | |
| No | 35 (28.7%) | 38 (34.5%) | |
| Opinion conflicting guidance | | | |
| Yes | 79 (64.2%) | 75 (67.6%) | 0.679 |
| No | 44 (35.8%) | 36 (32.4%) | |

Supply chain disruption**1 month supply of PPE in current supplies****0.035**

| | | |
|-----|------------|------------|
| Yes | 83 (71.6%) | 61 (57.5%) |
| No | 33 (28.4%) | 45 (42.5%) |

1 month cleaning supplies in current stock**0.017**

| | | |
|-----|------------|------------|
| Yes | 96 (83.5%) | 73 (60.5%) |
| No | 19 (16.5%) | 32 (30.5%) |

Typical purchases**Surgical masks for routine dental care****0.316**

| | | |
|-----|------------|------------|
| Yes | 91 (81.3%) | 74 (74.7%) |
| No | 21 (18.8%) | 25 (25.3%) |

Laser plume masks for routine dental care**0.414**

| | | |
|-----|-------------|------------|
| Yes | CS | CS |
| No | 101 (91.8%) | 96 (95.0%) |

N95 respirators**0.064**

| | | |
|-----|-------------|-------------|
| Yes | CS | CS |
| No | 111 (92.5%) | 105 (98.1%) |

Plans to purchase N95 respirators**0.567**

| | | |
|-----|------------|------------|
| Yes | 58 (56.9%) | 60 (61.2%) |
| No | 44 (43.1%) | 38 (38.8%) |

COVID-19**BBP guidelines protect against aerosols****associated with high speed handpiece use.****0.427**

(The 2007 Transmission Based Precaution
is the guideline for droplet/aerosol transmission)

| | | |
|-----|------------|------------|
| Yes | 57 (47.5%) | 46 (41.4%) |
| No | 63 (52.5%) | 65 (58.6%) |

N95 masks protect against aerosols associated with high speed handpiece use. 0.569
(CDC guidance is to use N95 respirators or higher for aerosols)

| | | |
|-----|------------|------------|
| Yes | 88 (71.5%) | 74 (67.9%) |
| No | 35 (28.5%) | 35 (32.1%) |

N95 masks are meant for single use. 0.419
(N95 respirators are for single use; however, during the pandemic, if they are not wet/contaminated they may be reused)

| | | |
|-----|------------|------------|
| Yes | 72 (58.5%) | 70 (64.2%) |
| No | 51 (41.5%) | 39 (35.8%) |

Patients with suspected COVID-19 should be referred to a medical center. 0.603
(Treatment of known COVID-19 should be referred for airborne infection isolation room treatment)

| | | |
|-----|-------------|------------|
| Yes | 100 (81.3%) | 92 (84.4%) |
| No | 23 (18.7%) | 17 (15.6%) |

Pre-procedural mouth rinse such as H₂O₂ is effective in preventing transmission of COVID-19. 1.000
(At this time, this has not been proven.)

| | | |
|-----|------------|------------|
| Yes | 32 (26.0%) | 28 (25.2%) |
|-----|------------|------------|

| | | |
|----|------------|------------|
| No | 91 (74.0%) | 83 (74.8%) |
|----|------------|------------|

Level 1 masks are protective against aerosols.
(Level 1 masks are protective against droplets.)

0.474

| | | |
|-----|------------|-------------|
| Yes | 0 | CS |
| No | 121 (100%) | 108 (99.1%) |

*Fisher's Exact P-value

Abbreviations: CS=cell size suppressed due to fewer than 10 responses; PPE=personal protective equipment