

**Table 1.** Considerations For and Against Antimicrobial Stewardship Program (ASP) Involvement in COVID-19 Convalescent Plasma Preauthorization

For ASP Involvement	Against ASP Involvement
<ul style="list-style-type: none"> <li>• ASPs already have preauthorization infrastructure in place</li> <li>• Transfusion medicine programs likely would need to create preauthorization processes de novo and identify how to staff these</li> <li>• ASP personnel are experts at creating and applying algorithm-based preauthorization criteria</li> <li>• ASPs that are already responsible for local COVID-19 guidelines can help contextualize convalescent plasma use relative to other potential therapies</li> <li>• ASP personnel are experts at cooperative integration with non-infectious diseases or non-pharmacy-based service lines</li> </ul>	<ul style="list-style-type: none"> <li>• ASPs have no direct involvement with transfusion medicine programs or authority to restrict access to blood products</li> <li>• ASP personnel are not experts in transfusion medicine</li> <li>• ASP involvement will divert time away from other important stewardship activities, such as antibiotic use monitoring</li> <li>• ASPs are put in the difficult position of brokering convalescent plasma access against scientific community recommendations to use only in the context of randomized, clinical trials</li> </ul>

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## Regarding data visualization

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*To the Editor*—The review by Salinas *et al.*<sup>1</sup> introduces many important aspects concerning the science of data visualization. However, the references cited in support of an assertion that the best ways to visualize data remain unclear overlooks several important resources that provide insightful practical advice on optimal choices. In particular, the work of William Cleveland, whose career was devoted to scientific study of visual encoding and decoding of scientific data, and the work of various cognitive psychologists are noteworthy. Cleveland's findings are distilled into 2 very useful books that have been reviewed in this journal.<sup>2,3</sup> Important findings from cognitive psychology articles are distilled into various comprehensive review publications, like that of Gigerenzer *et al.*<sup>4</sup> The graph examples illustrated by Salinas *et al.* should be viewed with key concepts from Cleveland and Gigerenzer in mind. Exploratory data analysis methodology based on data visualization principles and techniques established in the 1970s–1990s “... add an exciting and useful tool to the epidemiologist's repertoire.”<sup>5</sup> The works of Cleveland, Gigerenzer, and others were paramount in informing many of the choices I had to make (and defend against those who initially found them unfamiliar) throughout my career in hospital and

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public health agency projects related to recognizing the onset of adverse trends efficiently and informing a wide range of audiences about comparisons of healthcare-associated infection rates.<sup>6–9</sup>

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## Successful public health measures preventing coronavirus disease 2019 (COVID-19) at a Michigan homeless shelter

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*To the Editor*—Coronavirus disease 2019 (COVID-19) has spread rapidly in homeless shelters across the United States.<sup>1,2</sup> An investigation in 5 cities identified 37% and 21% severe acute respiratory coronavirus virus 2 (SARS-CoV-2) positivity among residents and staff, respectively.<sup>3</sup> In response, the Centers for Disease Control and Prevention (CDC) urged testing all residents and staff of homeless shelters on April 22.<sup>4</sup>

Delonis Center is the only adult shelter for Washtenaw County (population, 350,000) with 5,000 homeless persons countywide, serving >1,100 people annually. Delonis accommodates 60 people per night as a warming shelter and feeds 200 people twice daily. The serviced population is 52% African American and 45% Caucasian (average age, 45 years; 70% male). Notably, 67% report an underlying disability. More than 70% have a comorbidity, including heart disease, chronic obstructive pulmonary disease, seizure disorder, and renal failure. Mental health conditions are noted among 48% and substance abuse among 33%.

Michigan, and particularly southeastern Michigan, was heavily affected by COVID-19 early in the United States, with 65,533 reported cases as of July 5, 2020.<sup>5</sup> Washtenaw County reported 1,067 cases by April 28 (281 per 100,000 population) and 1,526 cases by July 5, 2020.<sup>5</sup> We describe our robust COVID-19 infection prevention strategies at Delonis Center with universal testing results and outcomes.

### Methods

The first case of COVID-19 in Michigan was reported on March 10, 2020—the day the governor declared a state of emergency. We implemented our plan on March 13, including symptom screening (ie, new or worsening cough, dyspnea, subjective or measured fever ( $\geq 38^{\circ}\text{C}$  or  $100.4^{\circ}\text{F}$ )) before entry with a risk-based triage, social distancing, and secondary housing at local

churches or hotels. Clients triaged “green” with negative screen were cleared to sleep at the shelter in regular conditions. Those screened “yellow,” with  $\geq 1$  symptom, were triaged to mattresses 2 m (6 feet) apart with surgical masks and underwent a clinical assessment. Those determined ill, or screened “red,” were transported to the emergency room. People under investigation were quarantined in private rooms.

We secured a secondary site to enable sheltering in place on March 24, and we secured an offsite hotel on March 29. We implemented a temporary pay increase for staff and recruited 30 extra staff. On April 8, we mandated masks (surgical or cloth). We extended a warming shelter indefinitely to maintain shelter-in-place for all in need. On April 28 and 29, universal screening and molecular testing for SARS-CoV-2 were offered to all residents and staff.

### Results

From March 13 until April 30, 15,000 health screenings were conducted. In total, we sheltered 113 persons (40% over age 51 directly at Delonis and 281 persons overall with 4 offsite locations with a nightly average of 135. On average, 160 individuals (38 at a time, socially distanced) were served a warm meal twice daily. At all sites, clients were encouraged to practice social distancing and to shelter in place. Two positive cases were identified. Both cases were screened “red”: the first on March 17 and the second on March 25. On April 28 and 29, molecular testing was performed for 99 residents and 38 staff with 0 positive. As of July 5, there have been no additional cases.

### Discussion

Our protocol was successful in identifying 2 early symptomatic cases, resulting in zero additional cases once universal testing was implemented.

We attribute the success of our program to key interventions.<sup>6</sup> Symptom screening before entry, conducted multiple times daily, identified the only 2 COVID-19 cases at our facility before widespread transmission could occur. Maintaining the warming shelter

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