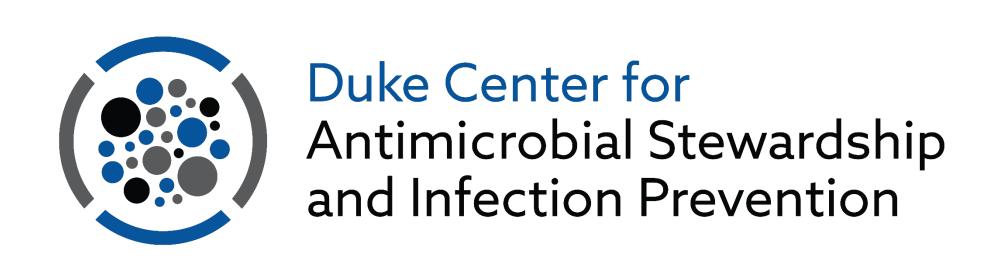
The Impact of COVID-19 Response on Infection Prevention Programs and Practices in Southeastern United States

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Duke	Uni	iversi	ty	
School				ne

Background

- Early assessments of SARS-COV-2
 preparedness revealed resource shortages, use
 of crisis capacity strategies, and gradual
 adoption of universal masking policies in
 hospitals.
- Our initial survey highlighted several differences in community hospital preparedness for SARS-CoV-2.
- We performed a follow-up survey one year after the initial survey to assess changes in infection prevention policies in our diverse network of community and academic hospitals.

Methods

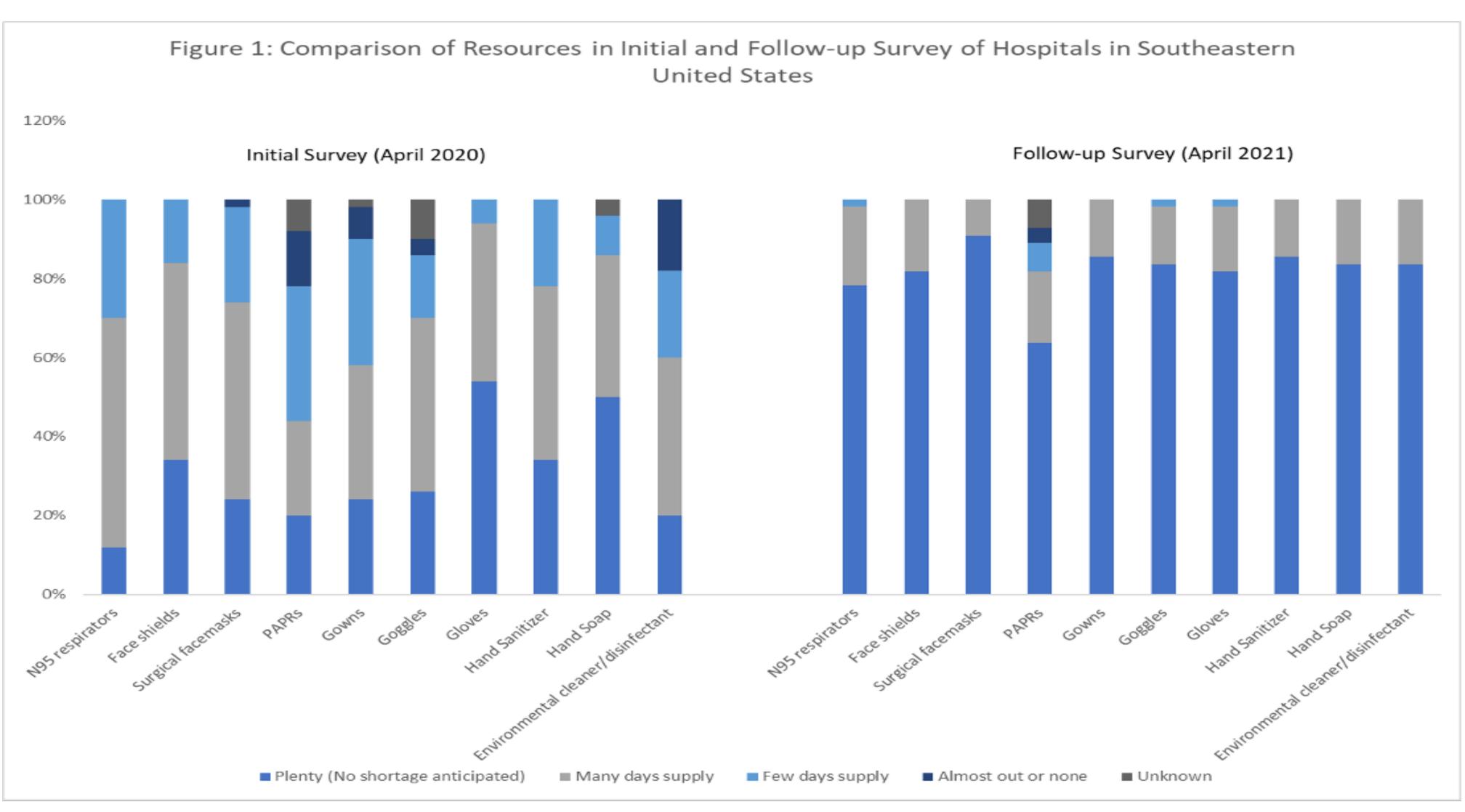
- Survey Timing: April 2021, in follow-up to our initial survey from April 2020 (ref).
- Survey Distribution: electronically using Qualtrics (Qualtrics, Provo, UT) to infection preventionists.
- Setting: 56 community hospitals in Duke Infection Control Outreach Network (DICON) and 2 academic hospitals (Duke/UNC Medical Center).
- Content: 26 questions related to personal protective equipment (PPE) availability, policies related to restarting surgeries, testing, universal masking, eye protection, daily screening, and staffing challenges.

	Initial Survey (April 2020)	Follow-up survey (April 2021)				
Survey Sections	* n (%)	* n (%)				
PERSONAL PROTECTIVE EQUIPMENT AND SCREENING						
Reprocessing of N95 respirators	36 (72%)	19 (32.7%) **				
Universal masking of staff, patients, visitors	38 (76%)	50 (100%) **				
Universal eye protection	NA	7 (13.2%)				
Eye Protectionin high settingsIn ED, or in when patient is unmasked	NA	7 (13.2%) 39 (73.5%)				
Universal employee screening	45 (90%)	52 (100%)				
SURGERIES/PROCEDURES						
Suspended elective Procedures	43 (86%)	36 (94%)				
Enhanced PPE for surgical procedures if pre- op testing not performed	NA	8 (15%)				
Enhanced PPE for surgical procedures for suspected or confirmed COVID19 cases	NA	8 (15%)				
Change from test based to time-based strategy for removal of isolation	NA	50 (92.4%)				
TESTING						
In-house testing	34 (68%)	47 (81%) **				
Weekly testing capacity >100 tests	NA	22 (40%)				
Universal pre-admission testing	NA	32 (59.2%)				
Pre-operative testing • for all or most surgeries • for some surgeries	43 (86%)	43 (78.2%) 10 (18.2%)				
Testing asymptomatic patients prior to discharge to long-term-care facility	17 (34%)	37 (67.3%) **				
STAFFING						
Infection prevention furloughs, staffing cuts, reassignments	NA	14 (25.5%)				
Use of agency nursing	NA	45 (81.8%)				

**statistical significance, * denominators are different for different questions and for different surveys

Results

- 55 hospitals responded to our follow-up survey (response rate of 95%).
- Hospitals reported significant improvement in PPE and resource shortages on the follow-up survey compared to our initial survey as shown in Figure 1, P<0.05.
- Changes in policies and practices related to PPE, screening, elective surgeries, testing, and staffing on our serial surveys have been summarized in Table 1.



Conclusions

 Our follow-up survey revealed improvement in resource availability, increase in testing capacity, uniformity in infection prevention policies, but also highlights the increase in infection prevention staffing shortages and use of agency nursing.

References: Advani et al. Assessing severe acute respiratory coronavirus virus 2 (SARS-CoV-2) preparedness in US community hospitals: A forgotten entity. Infect Control Hosp Epidemiol. 2021 May;42(5):600-603. doi: 10.1017/ice.2020.1238.