



### **Today's Emcees**



• Hugh Tilson, JD, director of the North Carolina Area Health Education Centers (NC AHEC) Program



• Tom Wroth, M.D. MPH, president and CEO of Community Care of North Carolina (CCNC)

Navigating COVID-19 Webinar Series

### **Today's Presenters**



**Infectious diseases: Ibukun C Akinboyo, M.D.** Medical Director of Pediatric Infection Prevention, Duke University Hospital



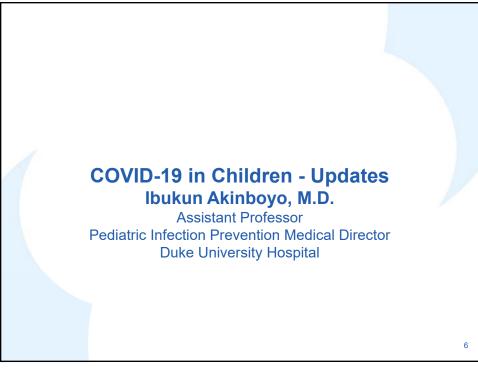
• Mental health : Carrie Brown, M.D., MPH Chief Medical Officer, Behavioral Health, NCDHHS

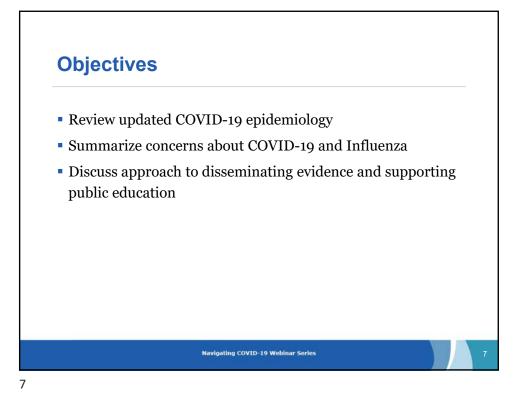


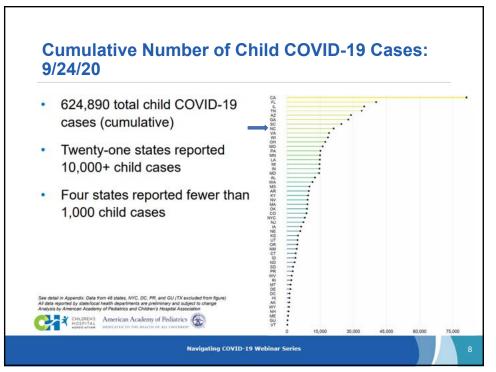
**Testing: "Chip" Watkins, M.D., MPH, FAAFP** Regional Medical Director, Community Care of North Carolina

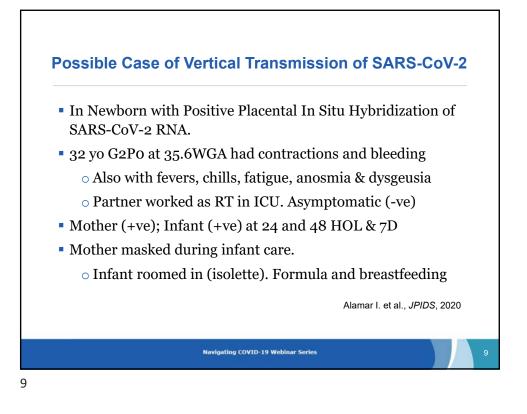
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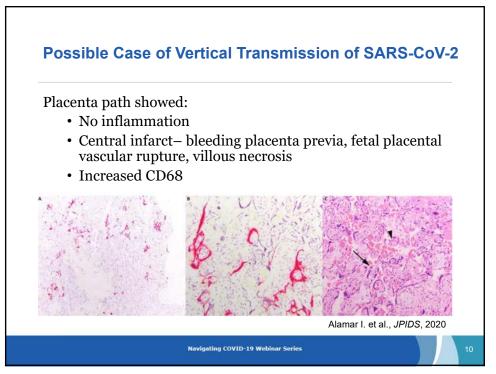


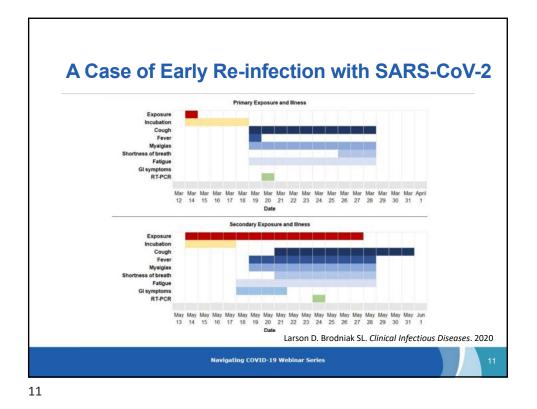


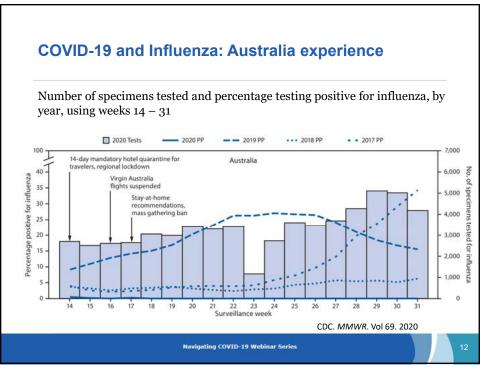


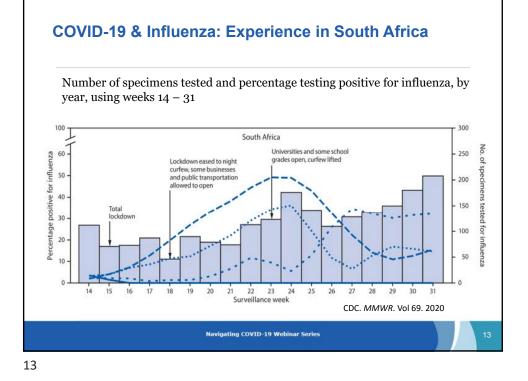




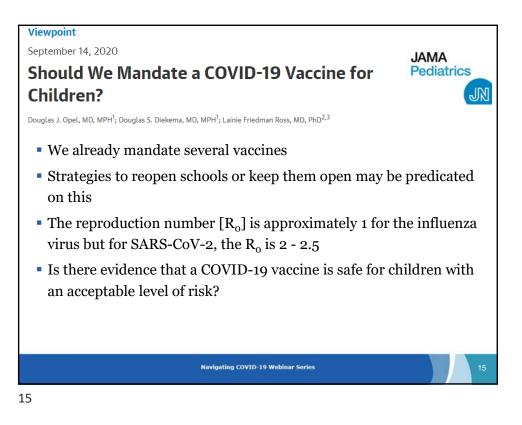


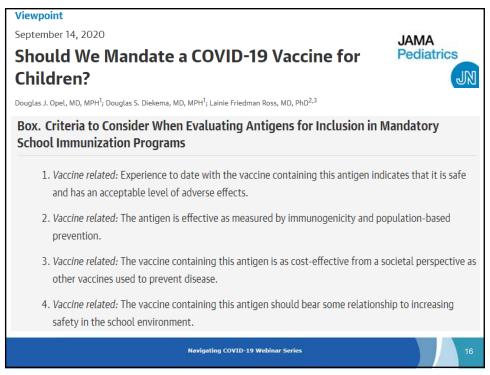


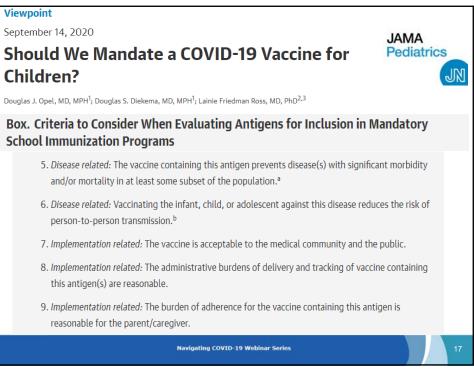


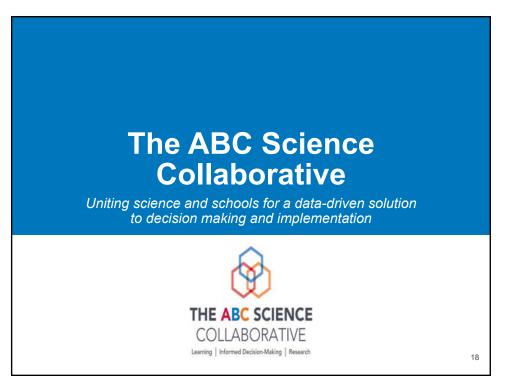


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## **Proposed solution: A data-driven** approach to support decision making

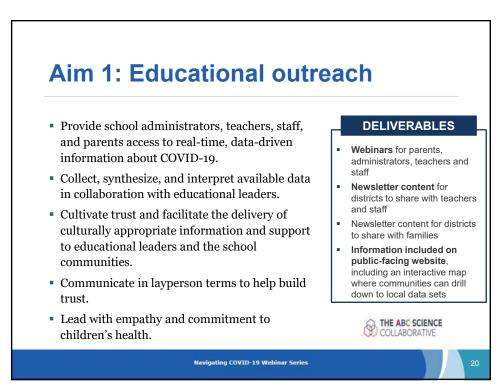
 Initiate a direct-to-family and community-engaged approach

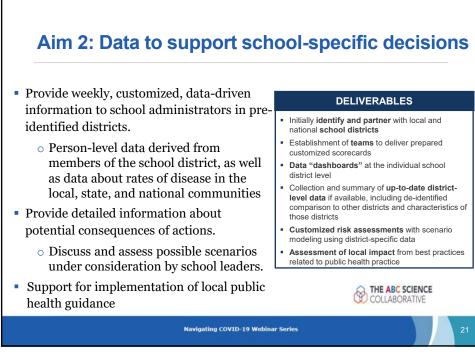
 Promote existing guidance from state and local health departments, provide data, and interpret emerging scientific evidence to keep children, teachers, and the community healthy and safe during the COVID-19 pandemic.

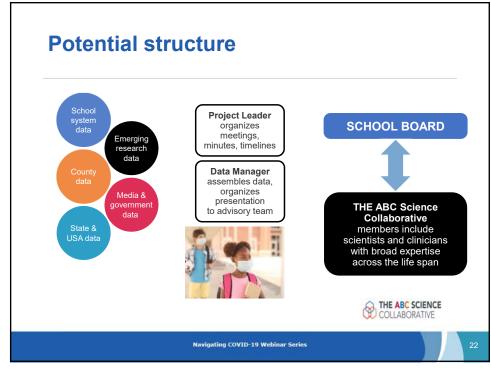
> THE ABC SCIENCE COLLABORATIVE

- Deploy a three-tier approach Educational outreach
  - Data to support decisions
  - Targeted research opportunities

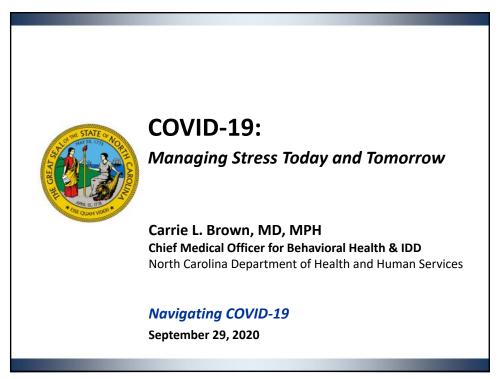






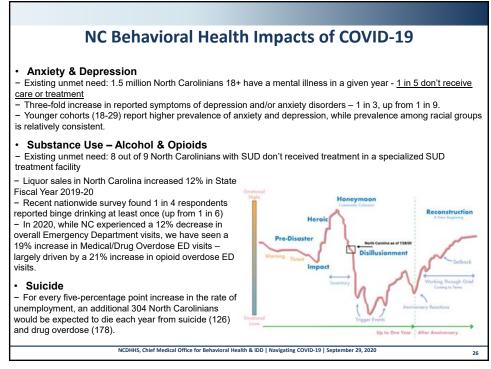


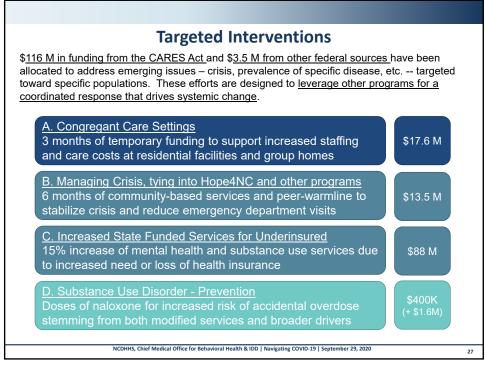


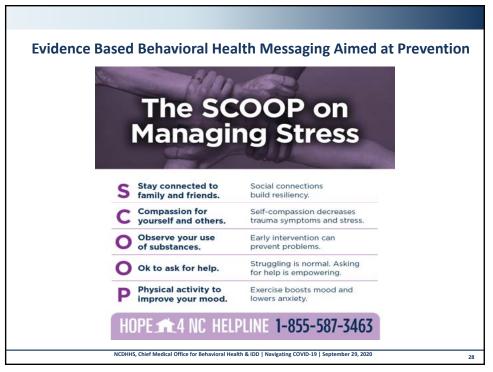


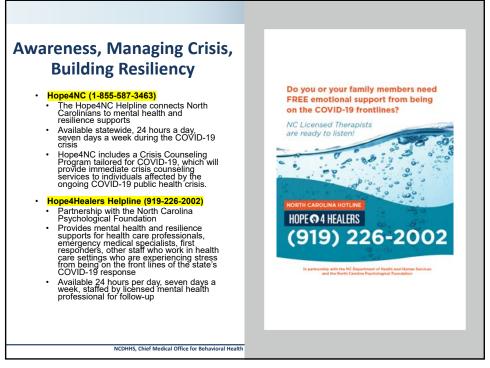
"Daily news of large-scale COVID19 related disease and death in the community over months or years is almost certain to elevate psychiatric burden in the population. As such, the pattern of stress resembles that experienced by refugees or others exposed to chronic violence, rather than acute disasters like the September 11<sup>th</sup> terrorist attacks." -Dost Ongur et al. JAMA Vol 324, #12

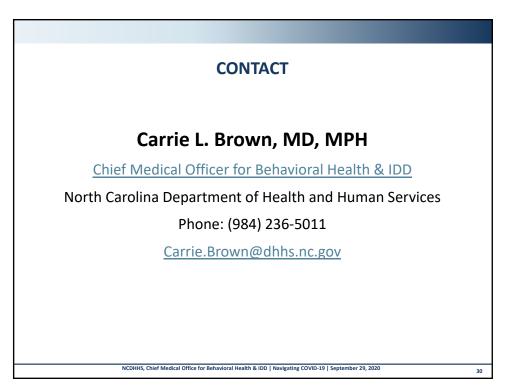
NCDHHS, Chief Medical Office for Behavioral Health & IDD | Navigating COVID-19 | September 29, 2020

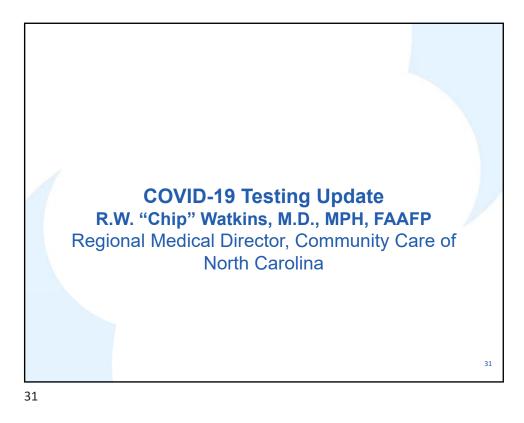


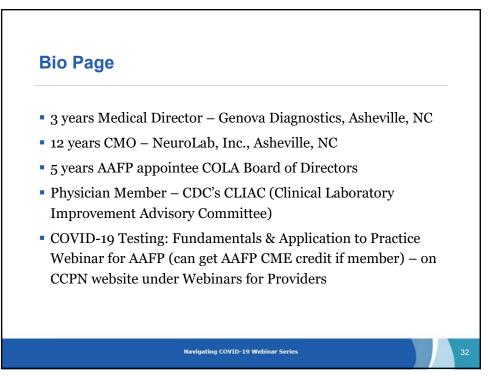


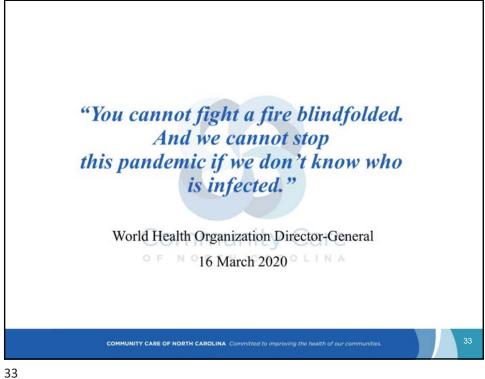


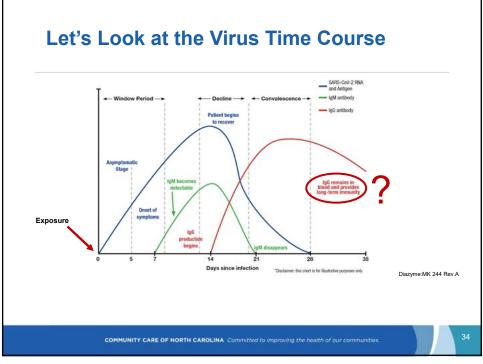


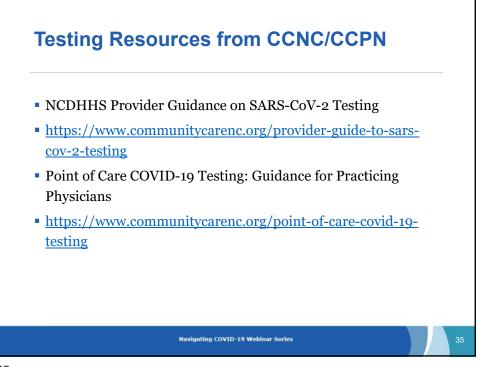


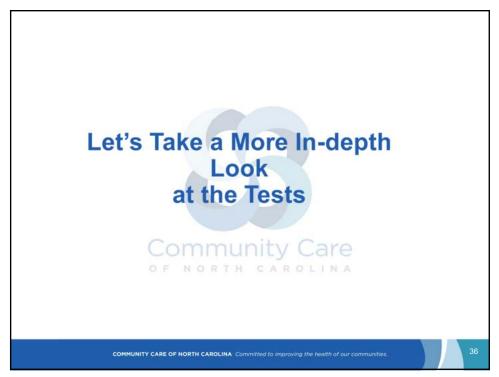










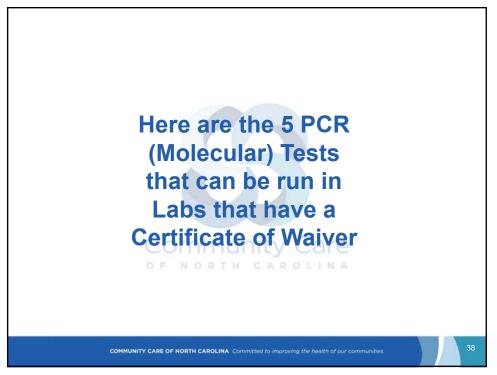




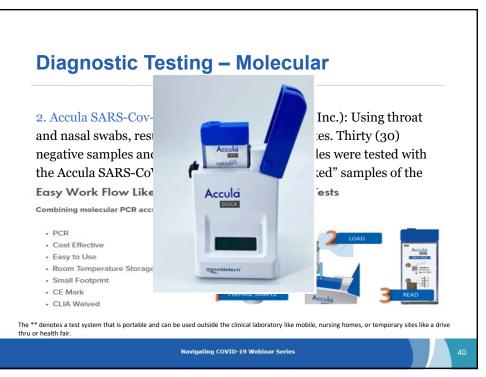
**Testing Modalities** 

- Molecular (RT-PCR) tests that detect the virus's genetic material (RNA)
- Antigen tests that detect specific proteins on the surface of the virus
- Diagnostic tests should be used when active viral infection is suspected, either because the patient is symptomatic and/or they have been in close contact (within 6 feet for 15 minutes or more) with someone with confirmed COVID-19 diagnosis, regardless of symptoms.

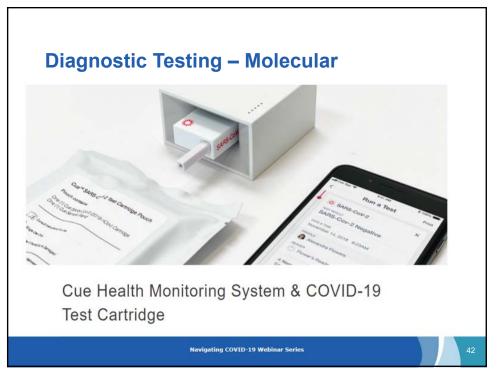
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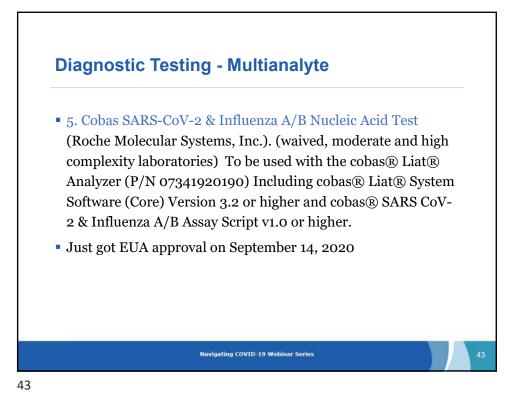


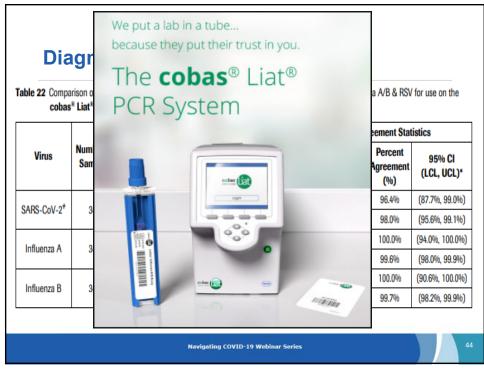


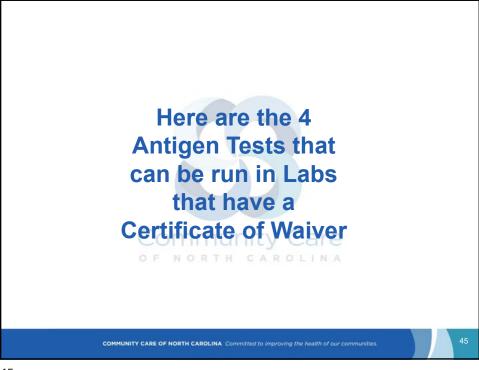






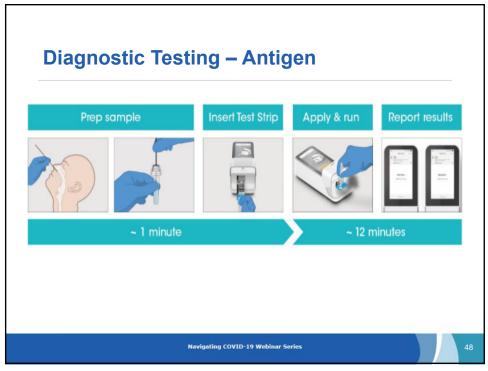




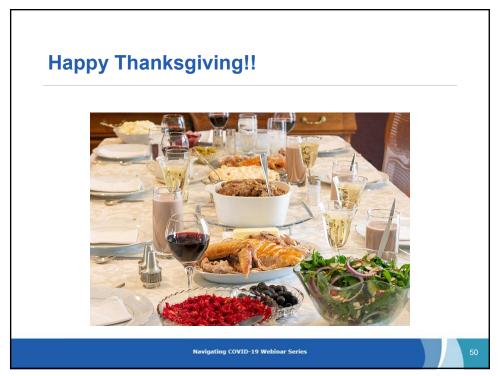


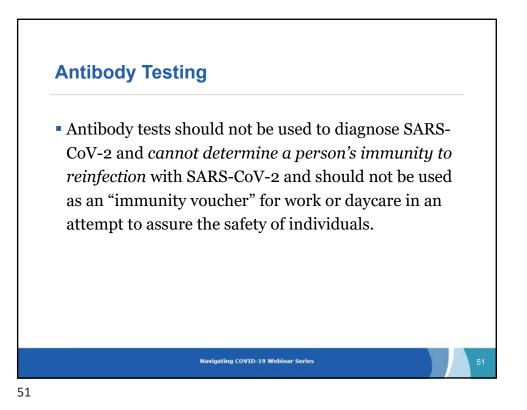
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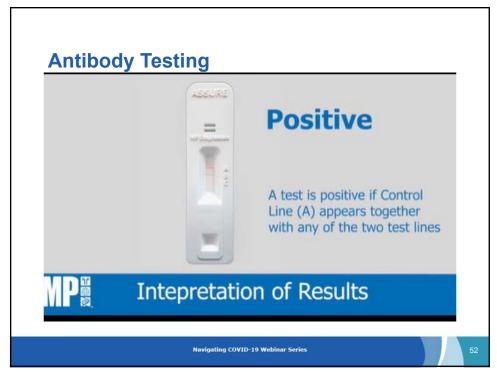












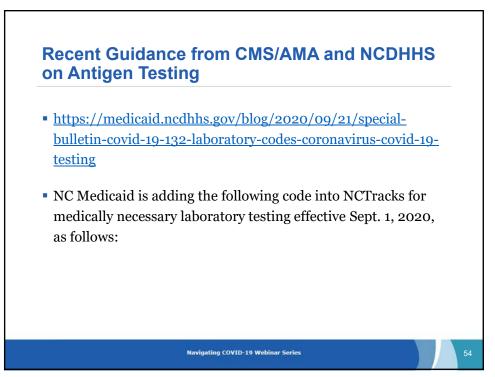
### Antibody Testing – Assure COVID-19 IgG/IgM Rapid Test Device

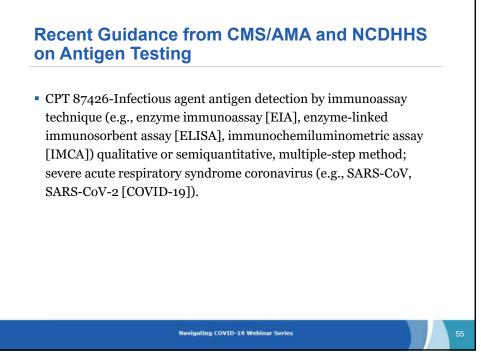
 Total of 42 positive and 113 negative fingerstick whole blood samples were collected and tested at 3 different POC sites. These samples were tested with both RT-PCR method for SARS-CoV-2 infection and Assure COVID-19 IgG/IgM Rapid Test device for antibodies. The PPA/sensitivity and NPA/specificity results are summarized in following tables.

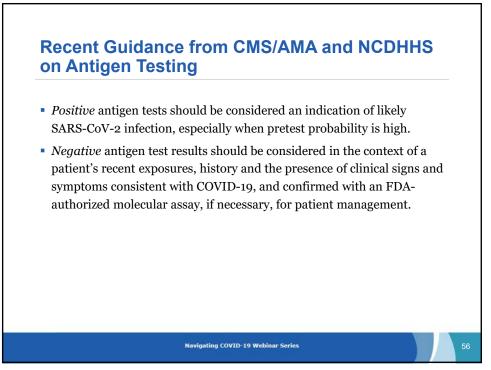
### Table 5. IgG/IgM PPA for the Assure COVID-19 IgG/IgM Rapid Test Device

Site	Days from symptom	# PCR Positive	IgG (Assure Device)			IgM (Assure Device)		
			Antibody Positive	РРА	95%CI	Antibody Positive	PPA	95%CI
(Site 1+2+3)	0-7 days	2	0	0%	0%-57.5%	2	100%	42.5%-100%
	8-14 days	12	10	83.3%	55.2%-95.3%	10	83.3%	55.2%-95.3%
	≥15 days	28	28	100%	91.2%-100%	25	89.3%	72.8%-96.3%

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- All positive and negative antigen results must l required reporting of COVID-19 diagnostic test methods of reporting for antigen tests are the s PCR tests.
- Order-Guidance-SL-2020-4-Sec.4.10.a.pdf



