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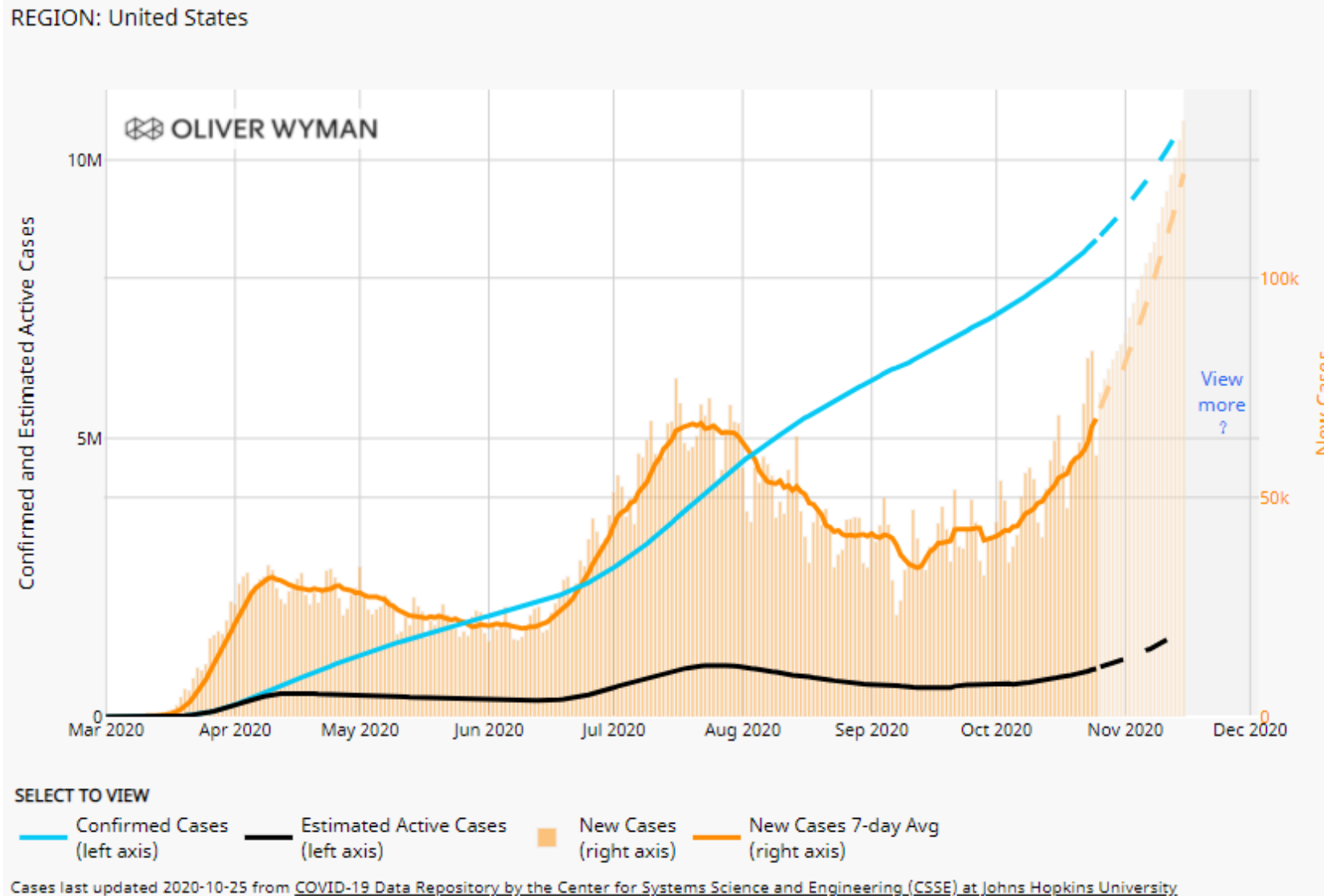
COVID-19 Updates and Insights

October 29th, 2020

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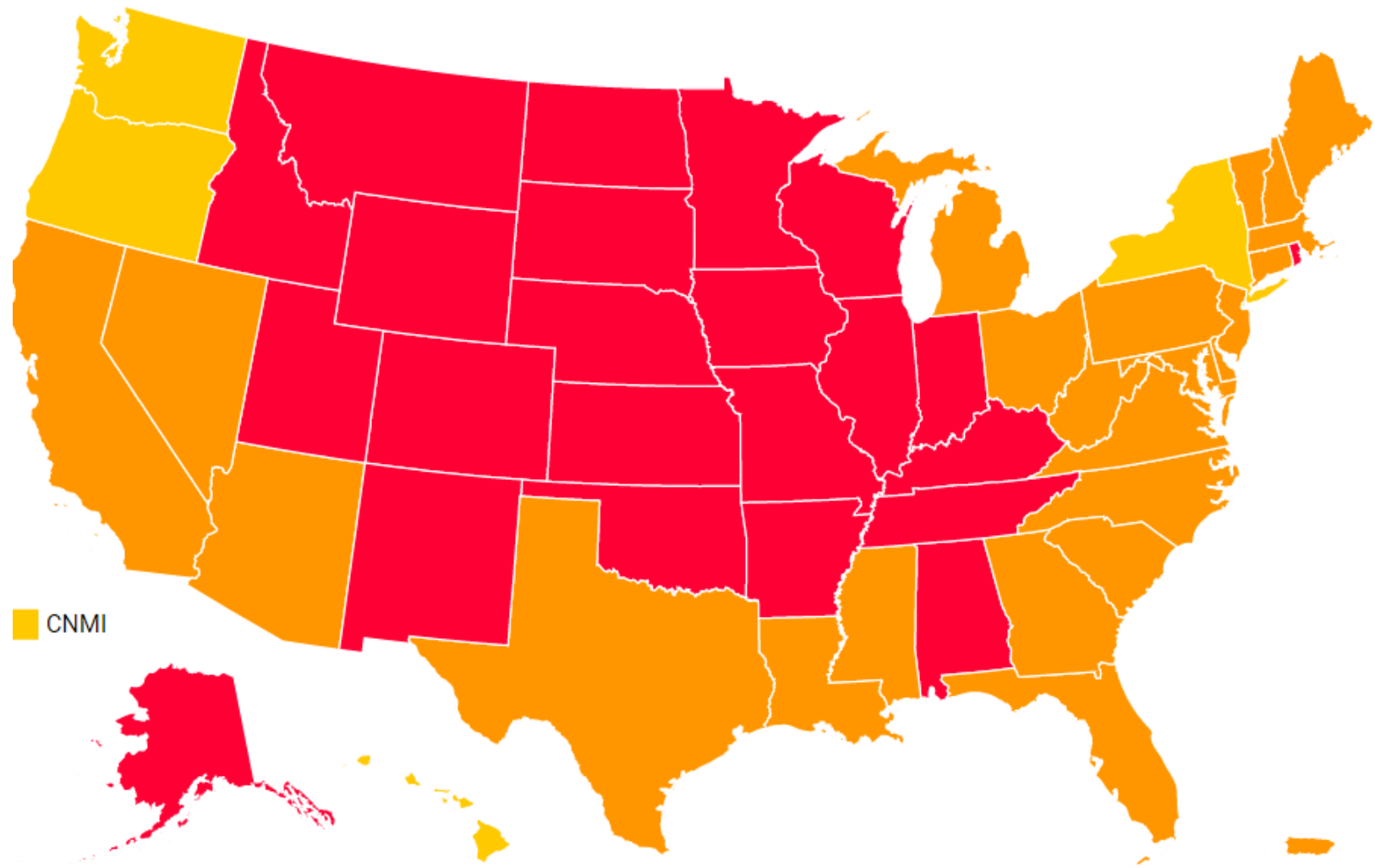
COVID-19 will influence our world for many months to come



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COVID-19 will influence our world for many months to come



Source: covidactnow.org

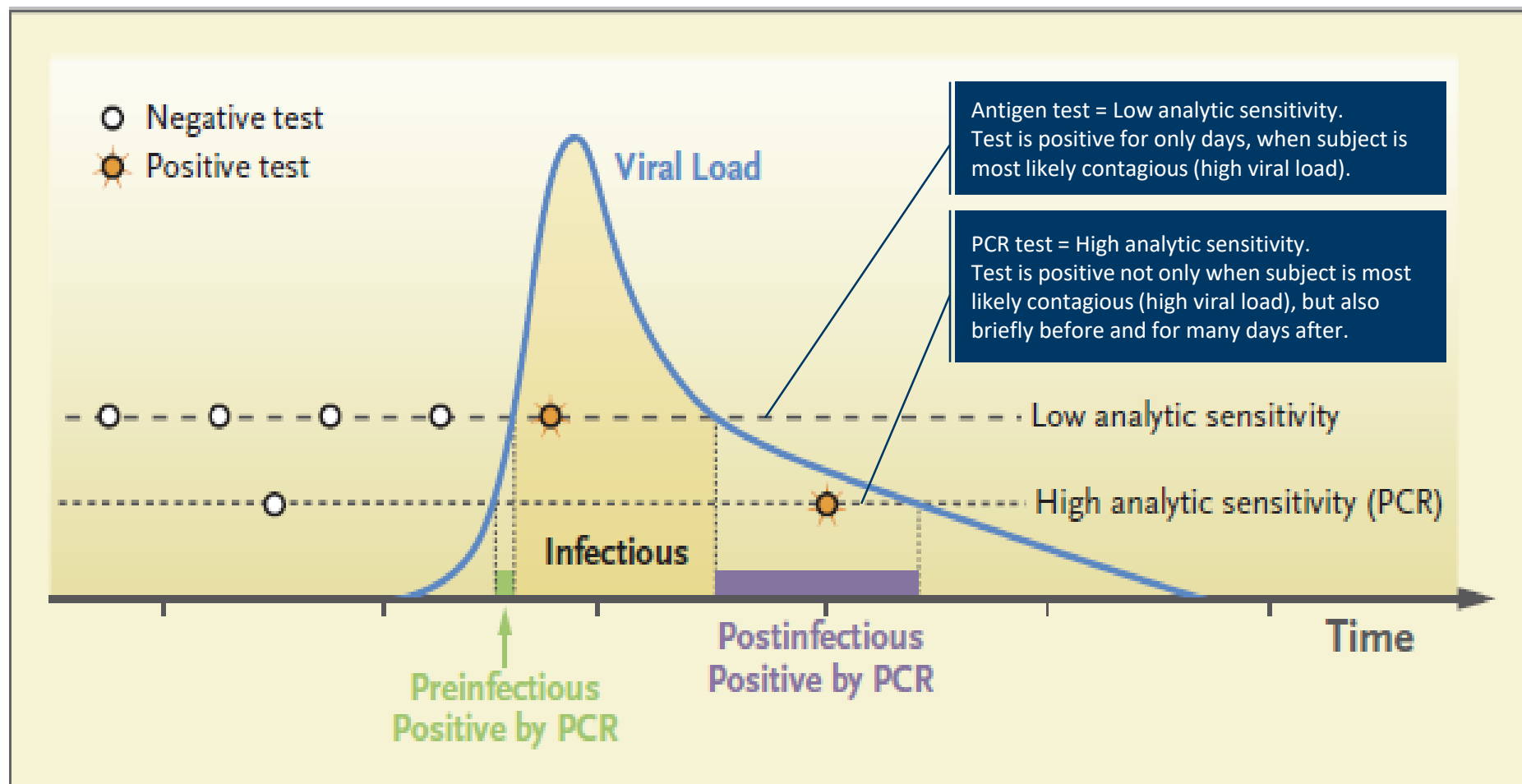
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COVID-19 testing types explained

	RT-PCR	Rapid Molecular	Rapid Antigen	<h2>What are the uses?</h2> <ul style="list-style-type: none"> • Virus (diagnostic) testing tells us who has the virus at a point in time • Knowing who's potentially contagious is essential in a containment strategy • There are a number of strategies to consider: <ul style="list-style-type: none"> <input type="checkbox"/> Testing only those with signs/symptoms and those with potential or known exposures <input type="checkbox"/> Testing portions or all of a population at specific intervals <input type="checkbox"/> Testing all before gathering
Purpose	Detects fragments of SARS-CoV-2 in the nose, throat, or other areas in the respiratory tract.		Detects proteins that make up the SARS CoV-2 virus	
Sensitivity/Specificity	High	High/Moderate	Moderate	
Turnaround Time	24-72 hours but can be 7+ days	<24 hours (commonly 15 – 60 minutes)	<24 hours (commonly 15 – 60 minutes)	
Examples – FDA EUA	Quest, LabCorp BioReference, Biomeme, Roche	Abbott ID-Now, Cepheid Xpert Xpress, Cue	Becton, Quidel, Abbott Binax-NOW, Roche	

COVID-19 testing strategies - rethinking sensitivity



MJ Mina et al. N Engl J Med 2020. DOI: 10.1056/NEJMp2025631

Headlines to dissect

- A series of 1-minute interactions gave a correctional officer the coronavirus, prompting new CDC guidance about brief exposure
- Case Series of Multisystem Inflammatory Syndrome in Adults Associated with SARS-CoV-2 Infection — United Kingdom and United States
- States begin sharing their draft COVID-19 vaccination plans
- The World Health Organization has declared an "infodemic" of incorrect information about the virus, which poses risks to global health
- The CDC says big Thanksgiving gatherings are a high-risk activity



Reviewing the factors that influence risk

Time

Cumulative time

Distance

Spread between other people

Number

Total number of people interacting and number of cohorts/mixing of different groups

Airflow

Amount of air exchange in the environment, outdoors is best

Behavior

Activity (exercising, singing, yelling), wearing masks

The Daily News And Breakfast

The Dancing Narwhals Are Believable



The Human Wellbeing Continuum

Review



BE ACTIVE

Exercise
Movement

EAT RIGHT

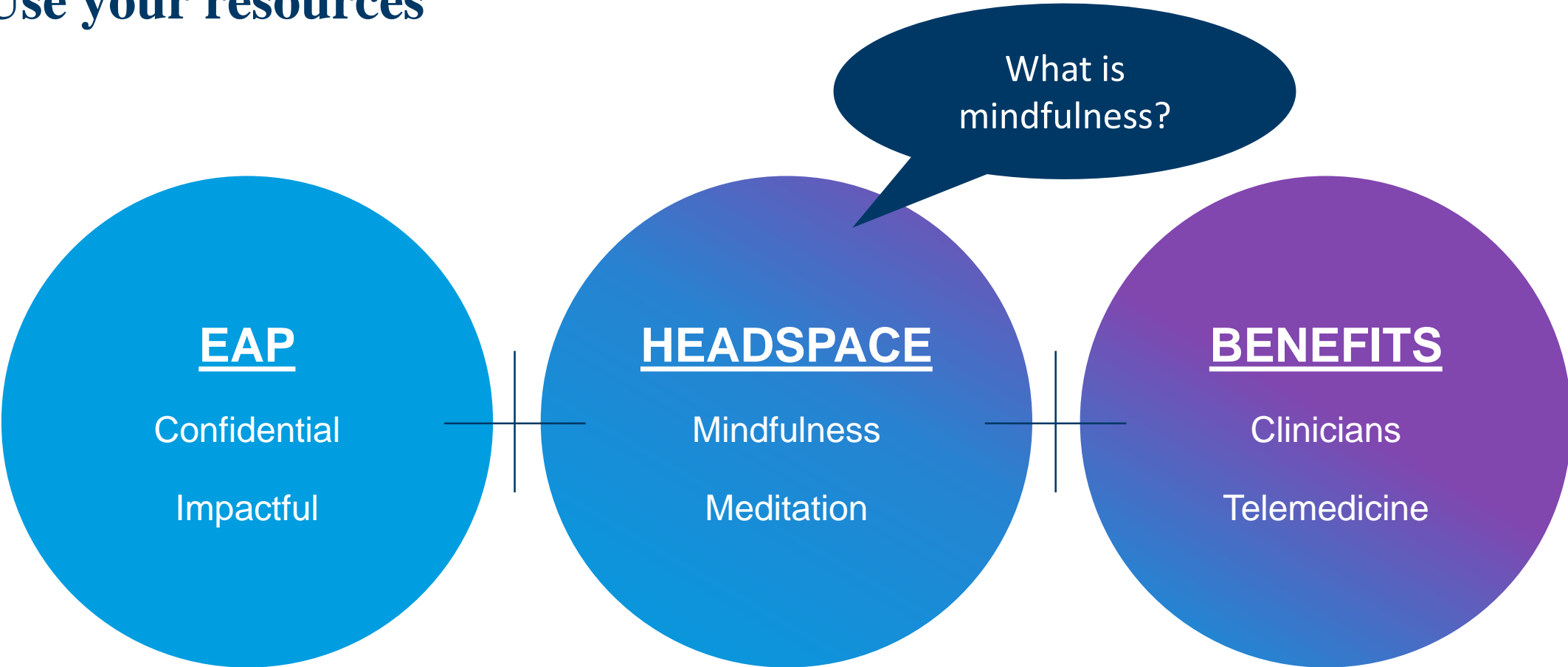
Healthy Content
Right Frequency

Being intentional
about maintaining our
personal resilience

RECHARGE

Sleep
Relax
Stress Management

Use your resources



Questions?

Disclaimer: The information in this slide deck is not medical or legal advice. Mercer is not a medical or legal advisor. Rather, this guidance is largely assimilated from the information available from the CDC and other public resources as noted below as of September 3, 2020.

<https://www.cdc.gov/coronavirus/2019-nCoV/index.html>

<https://www.who.int/emergencies/diseases/novel-coronavirus-2019>