

CMO REPORT

SEPTEMBER 2023

COVID UPDATE

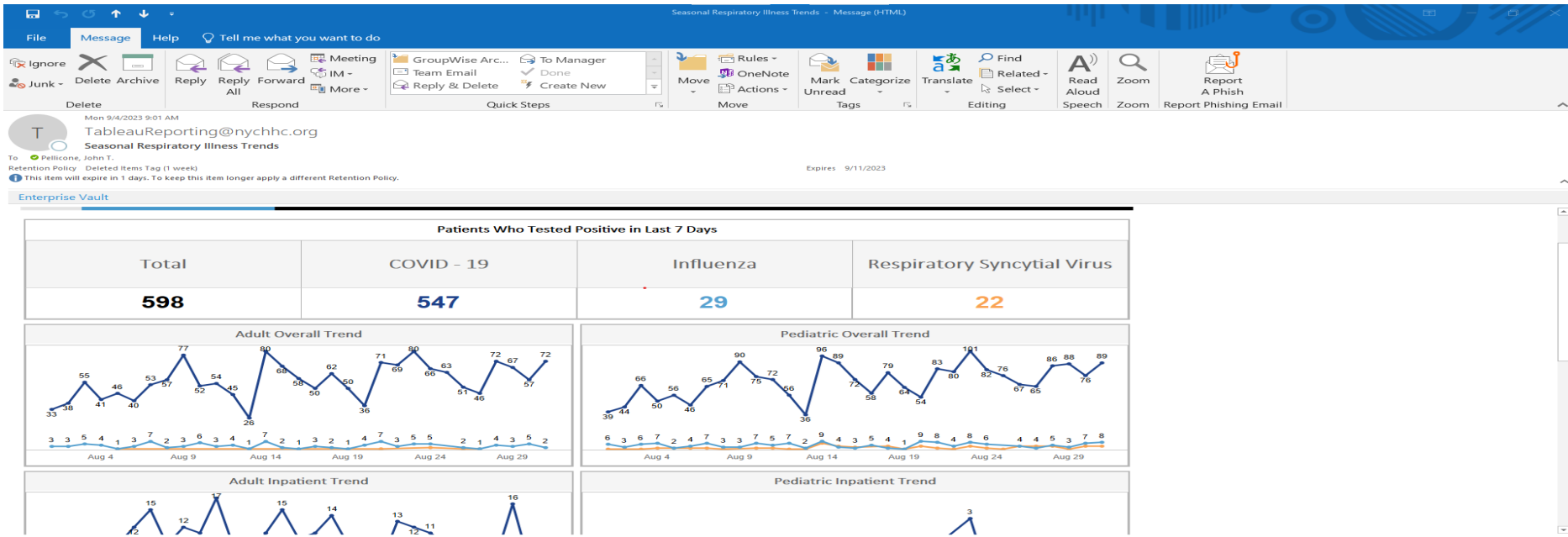
Reportable cases have been rising
3 New variants have been identified

EG.5 20% of new infections

F1.5.1 13% new infections

BA.2.86

COVID TREND



COVID UPDATE

BA.2.86 contains changes in the spike protein

Cases isolated in Denmark, Israel, United Kingdom and USA

WHO monitoring

IS BA.2.86 DANGEROUS?

Studies performed in Boston, Sweden, China

People with the most robust response to BA.2.86 were those within 6 months of infection with the XBB subvariant.

This finding suggests that the fall vaccine will provide protection against circulating Covid 19 subtypes

BEWARE THE STUDY DETAILS

These BA.2.86 studies were done with
“pseudoviruses”

BA.2.86 spike proteins attached to another virus

The actual BA.2.86 Covid virus was not used in
these studies.

COVID UPDATE

Updated Vaccine

Monovalent against XBB.1.5

Will it protect against EG.5 an Omnicron variant?

Still awaiting FDA approval

Hoping for an October 2023 campaign

WHO SHOULD RECEIVE THE FALL BOOSTER VACCINE?

Adults over 65

Adults under 65 with chronic conditions,
immunocompromised states and pregnancy

The general consensus is yes

UNCLEAR RECOMMENDATION

Adults younger than 65 and otherwise healthy
Adolescents and Children

The CDC Advisory Committee on Immunization
Practices meets on Sept 12 to discuss children
and adolescents and young adults

“PROBABLY” DO NOT NEED BOOSTER

Those who recently had Covid

COVID UPDATE

In which arm should you receive your booster?

Study in Germany

303 patients who had received an mRNA vaccine and then a booster

Variable: receiving the booster in the same arm or the opposite arm

COVID UPDATE

German study results:

Blood drawn two weeks after the booster

Assayed for Killer T cells

Those patients who received both vaccines in the same arm had a much higher systemic Killer T cell response than those who received the vaccines in opposite arms

THANK YOU

QUESTIONS?