

From: [Yun Lu](#)
To: [Traci Spiegel](#)
Subject: RE: [External] Confirm metrics confusion?
Date: Monday, January 18, 2021 10:43:00 PM

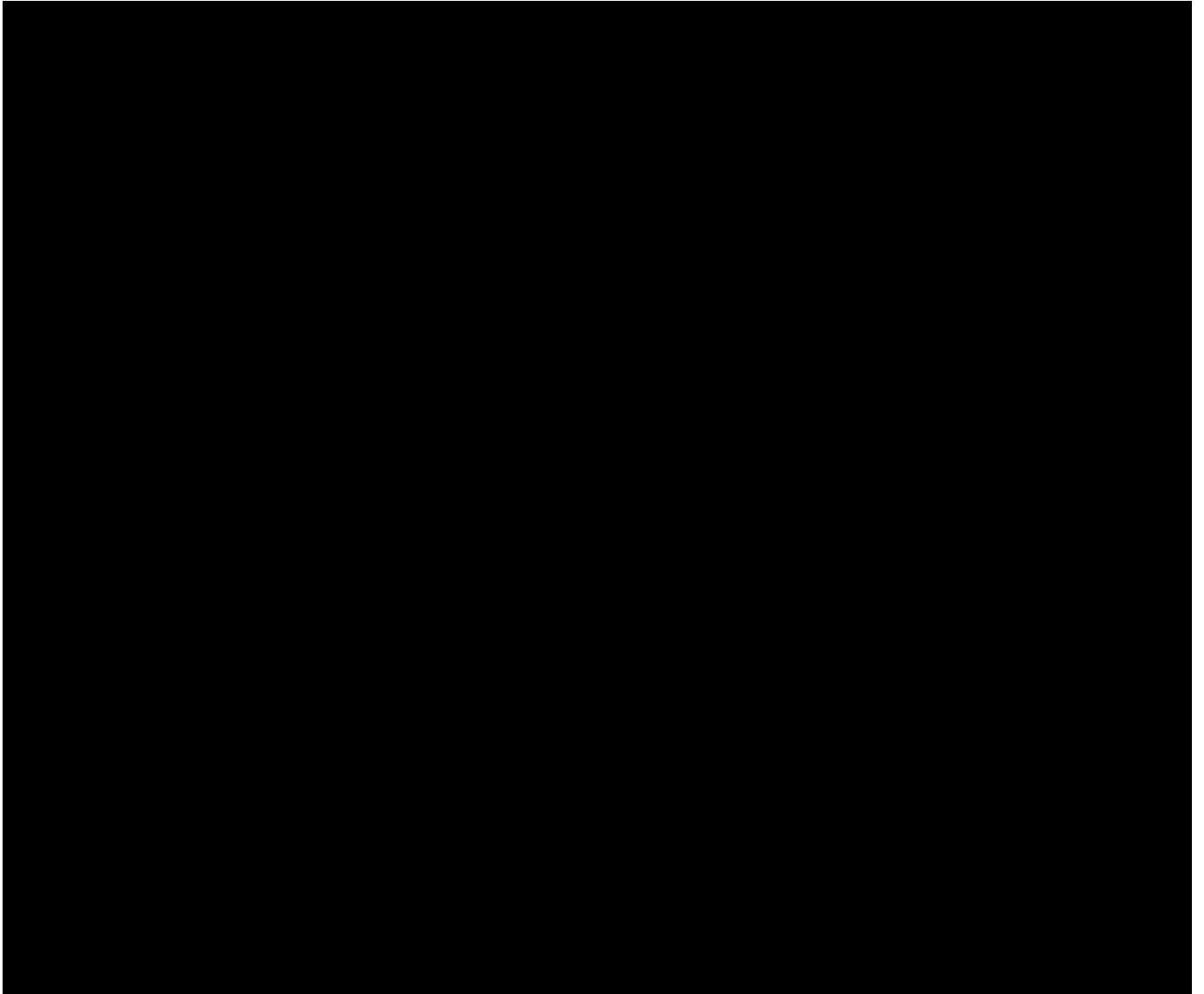
Dear Traci,

Thank you for the links.

I will search for related data online besides the quotes.

Have a nice evening,

Yun



On Mon, Jan 18, 2021 at 5:31 PM Yun Lu <Yun_Lu@hcpss.org> wrote:

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Dear Traci,

Thank you for reaching out.

1. Can you send me the link of Dr. Fauci's statement regarding school opening?
2. I appreciate your friend's calculation. She is correct that with 8 board members, there is a 36.3% chance of passing a motion if members vote randomly. If I use $C(n,m)$ to denote the combination of n choose m .

Gridlock= $C(8, 4)/2^8=27.34\%$, Passing a motion= $(1 - C(8, 4)/2^8)/2$ or $(C(8,5)+C(8,6)+C(8,7)+C(8,8))/2^8=36.33\%$.

With 7 members, there is a 50% chance of passing a motion if members vote randomly.

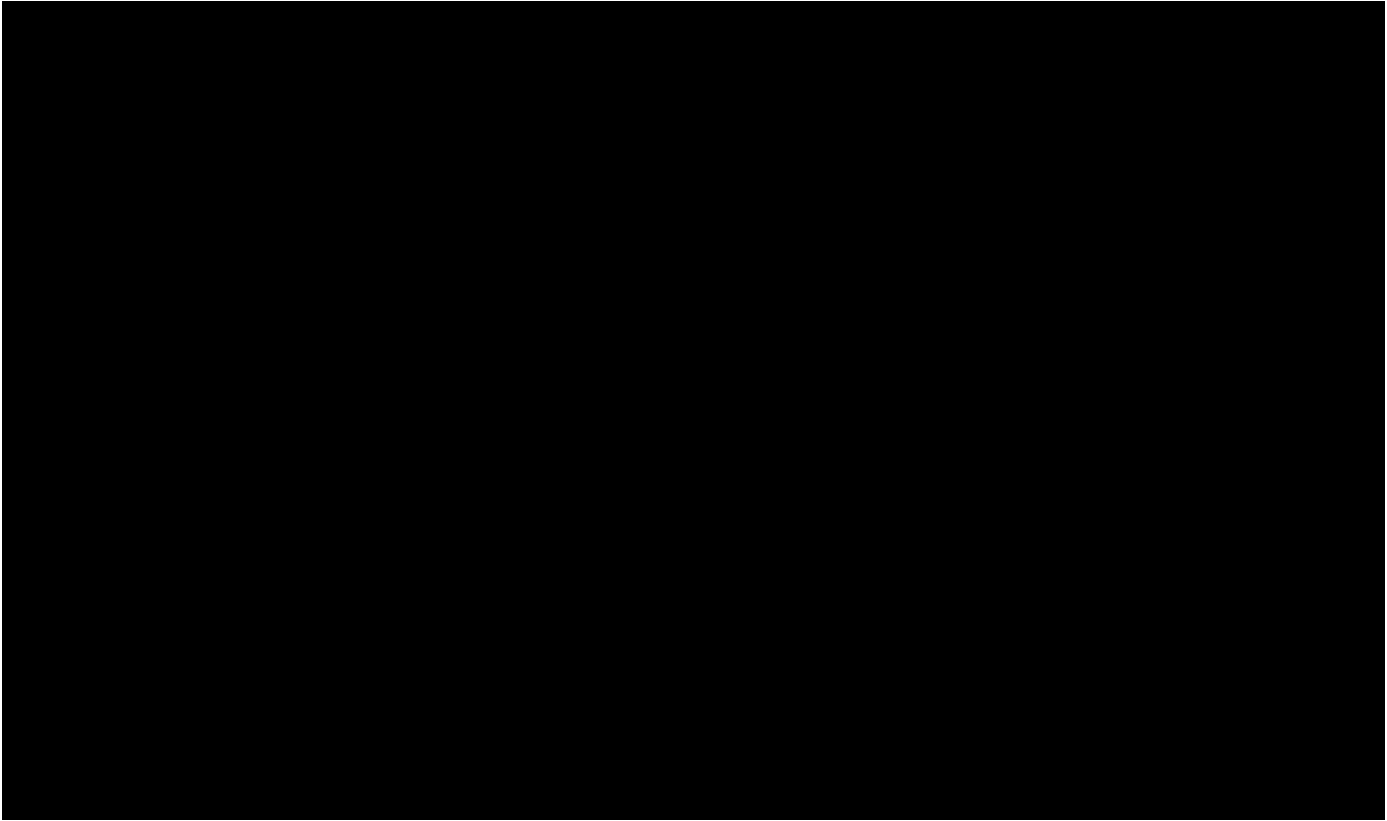
Passing a motion= $(C(7,4)+C(7,5)+C(7,6)+C(7,7))/2^7=50\%$.

With 8 members, the chance of passing a motion is smaller.

Best,

Yun





On Fri, Jan 8, 2021 at 8:43 PM Yun Lu <Yun_Lu@hcpss.org> wrote:

Dear Traci,

Thank you for reaching out to us.

Based on the Metrics in the link below, Code Yellow allows for hybrid model (<5%, <10) and Code Gold allow for small group instruction (<5.13%, <20)

[HCPSS COVID-19 Metrics Poster](#)

Have a nice weekend,

Yun

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Dr. Yun Lu
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