



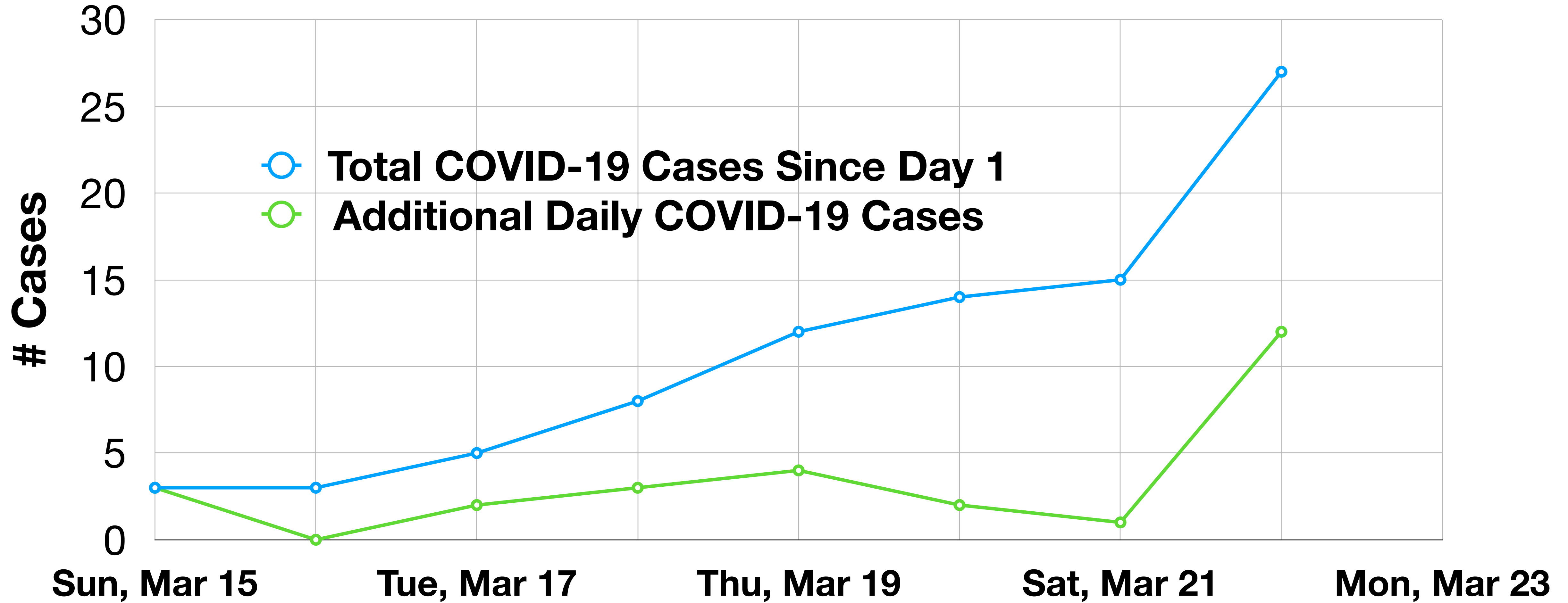
# Guam's Estimated Trajectory for COVID-19 Cases and Impact for Hospitalized Patients

*Governor's Physician Advisory Group  
March 23, 2020*

# Guam's COVID-19 Positive Cases

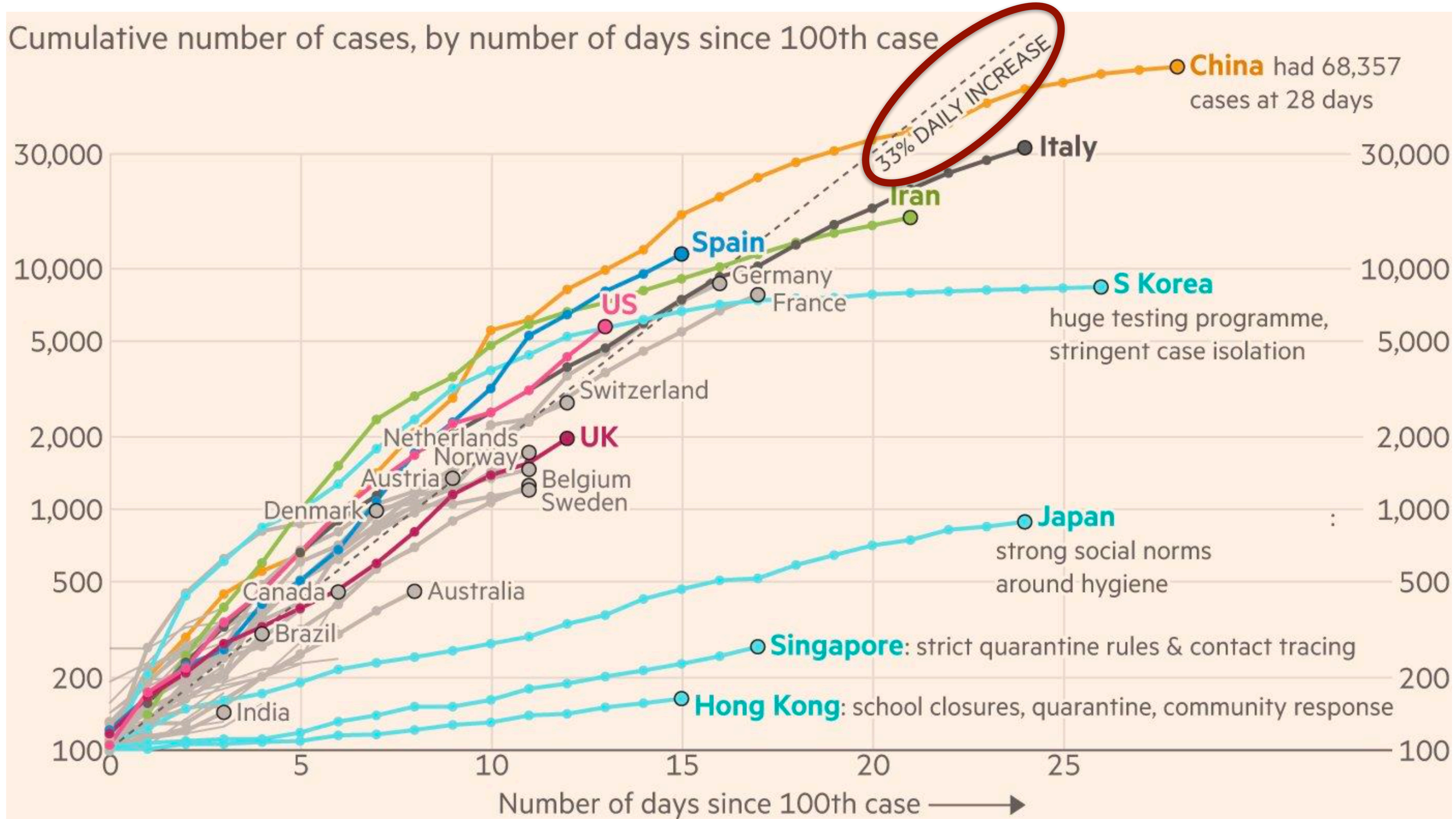
Date	Day	New + COVID-19	Total + COVID-19 Since Day 1
Sun, Mar 15	1	3	
Mon, Mar 16	2	0	
Tue, Mar 17	3	2	
Wed, Mar 18	4	3	
Thu, Mar 19	5	4	
Fri, Mar 20	6	2	
Sat, Mar 21	7	1	
Sun, Mar 22	8	12	
Mon, Mar 23	9		

# Guam's COVID-19 Positive Cases



**How does Guam compare  
to the rest of the world so far?**

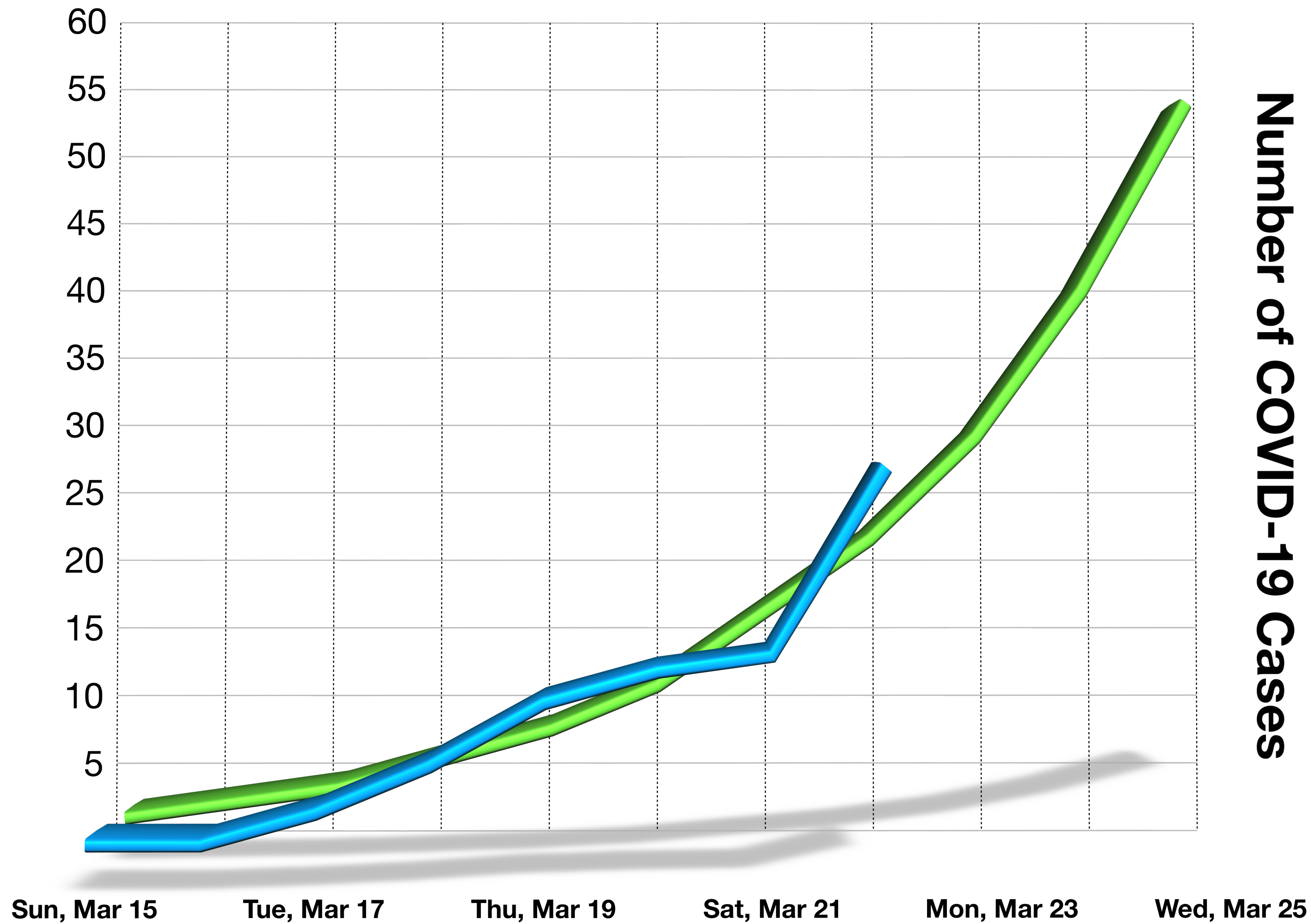
# Cumulative number of cases, by number of days since 100th case



FT graphic: John Burn-Murdoch / @jburnmurdoch

Source: FT analysis of Johns Hopkins University, CSSE; Worldometers. Data updated March 17, 19:00 GMT

© FT



**Number of COVID-19 Cases**

**Guam's COVID-19  
Spread Matches  
Majority of  
Western Countries**

- Guam's Cumulative COVID-19 Cases**
- Trajectory Based on Average Spread Rate of Western Countries (33%)**

**What does this mean for  
Guam's hospitals with a  
spread rate this fast?**

GMHA + SNU + GRMC Combined	*Approximate Beds
<b>Total Hospital Beds</b>	350
<b>Bed Capacity Based on Nursing Staff Levels (Already Reached)</b>	250
<b>Total Unstaffed Bed Space Available</b>	<b>100</b>
<b>Total ICU Beds</b>	28
<b>ICU Capacity Based on Nursing Staff Levels (Already Reached)</b>	13
<b>Unstaffed ICU Beds Available</b>	<b>15</b>
<b>Unstaffed Non-ICU Beds Available</b>	<b>85</b>

**Guam's Combined Civilian Hospital Capacity**

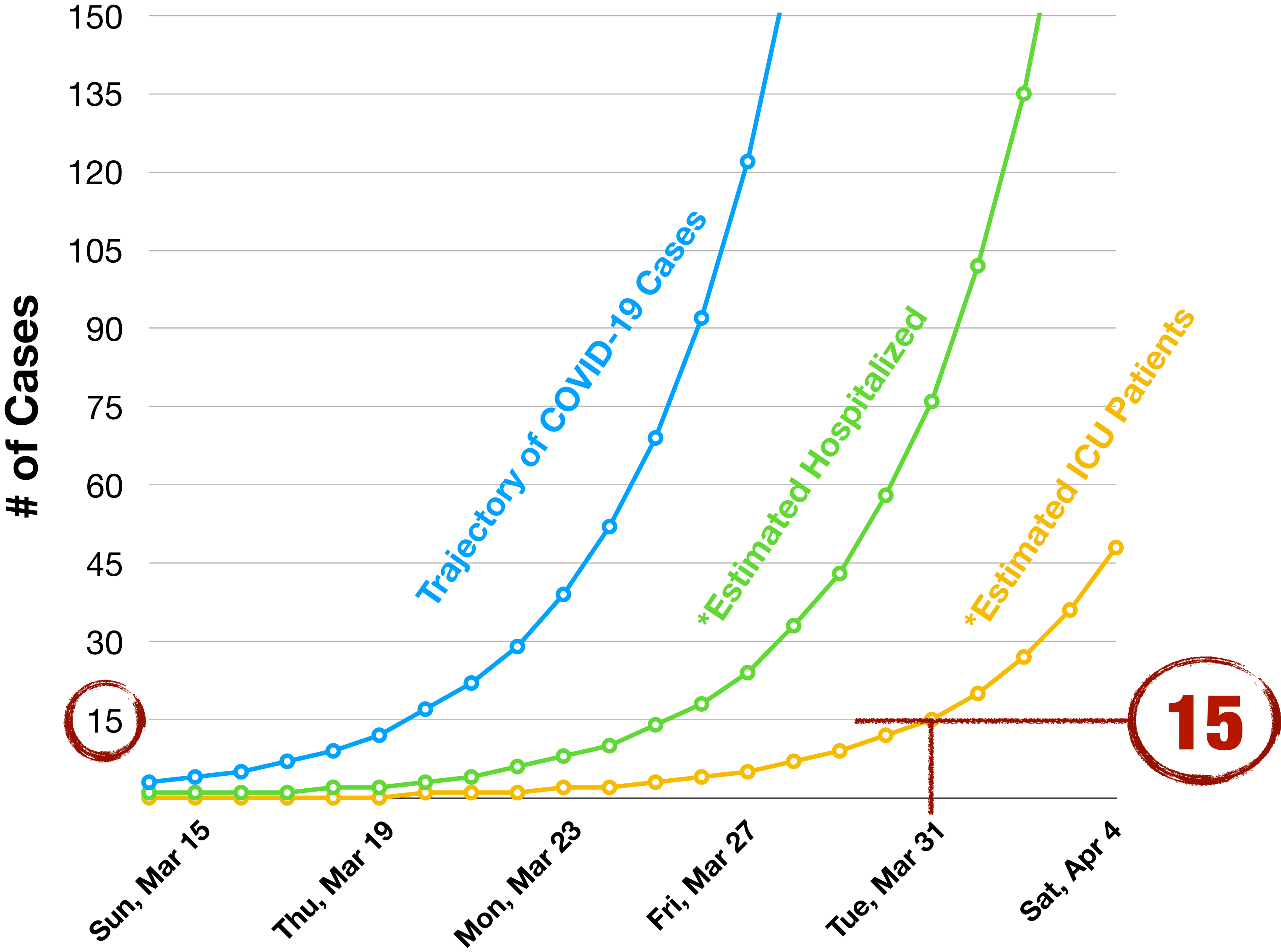
**Critical care system breakpoint. Death rate will skyrocket from here, if not earlier.**

*\*Approximate values based on rapidly changing status*



**When will we get to  
that breakpoint,  
with death rates  
skyrocketing?**

# Guam's Trajectory Today for COVID-19 Cases & Hospitalization Predictions @ 33% Daily Spread Rate



**At current spread rate, Guam's critical care system breakpoint could occur by next week, if not sooner.**

**15**

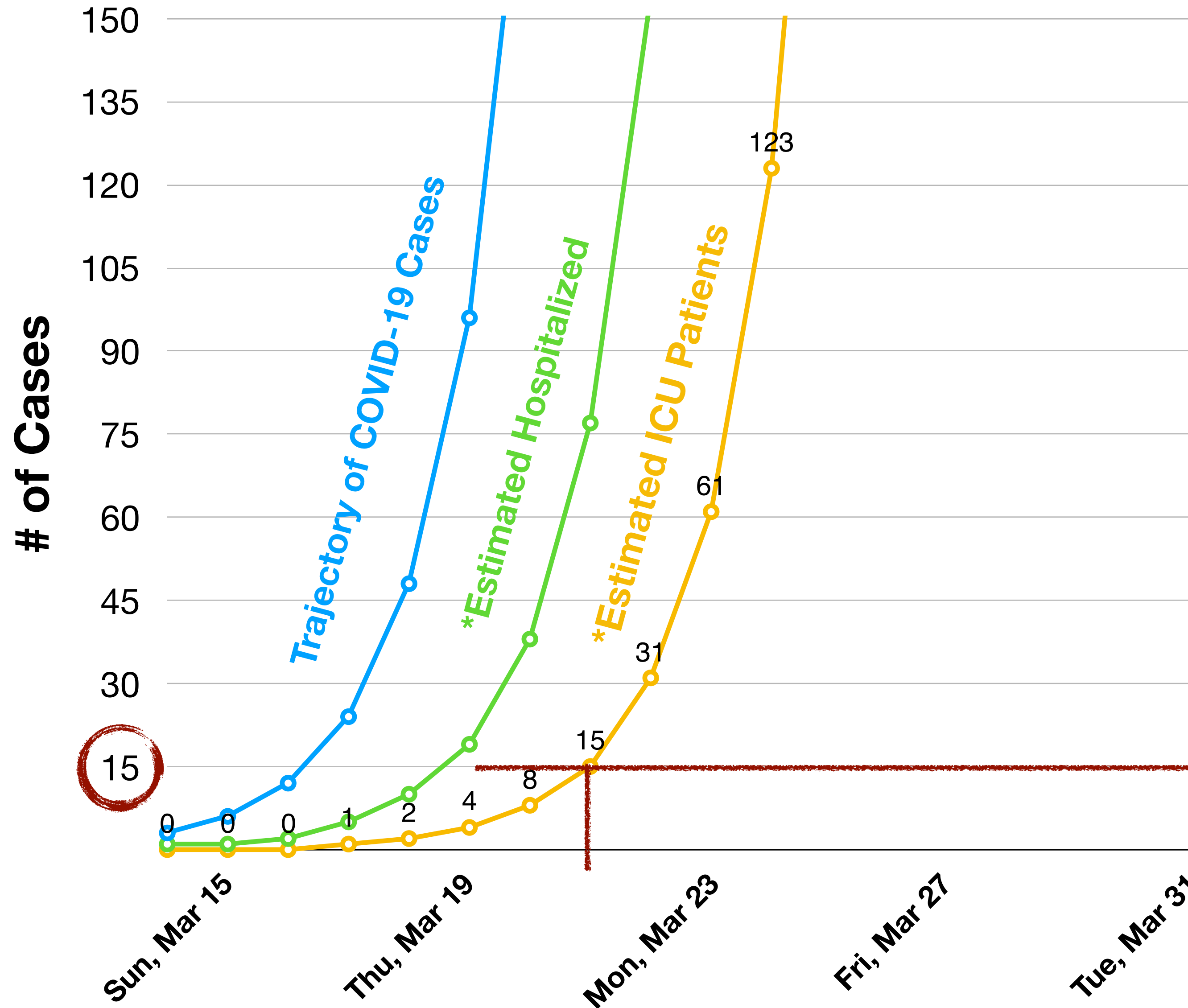
\*Assuming 20% of infected require hospitalization and that of 20% of those admitted end up in ICU.

1. Wu, Z, McGoogan, JM. Characteristics of and Important Lessons From the Coronavirus Disease 2019 (COVID-19) Outbreak in China Summary of a Report of 72314 Cases From the Chinese Center for Disease Control and Prevention. JAMA. Feb 24, 2020

**Although still alarming, the current daily spread rate of 33% is because of our strong current efforts.**

**But it also could have been much worse. What would be our current situation if we took no precautions from the beginning?**

# Guam's Trajectory for COVID-19 Cases & Hospitalization Predictions



If there were no GovGuam and Community interventions done from the beginning, 200% daily spread rate would have been seen.

**Breakpoint Could Have Been Yesterday**

\*Assuming 20% of infected require hospitalization and that of 20% of those admitted end up in ICU.

**We are bending hard.**

**But by aggressively  
slowing the spread rate,  
we might prevent a break.**

**#FlattenTheCurve**

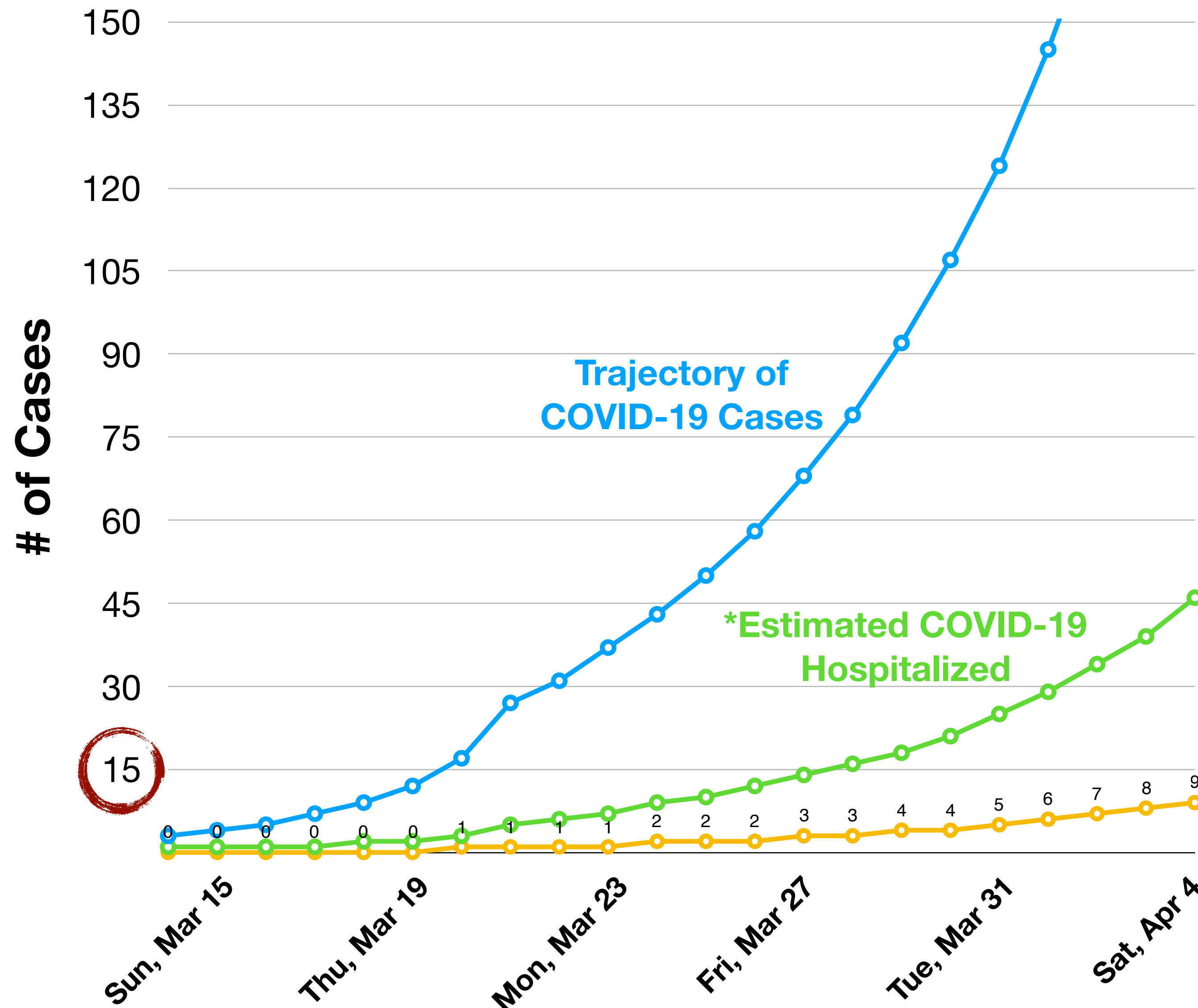


**Can we make  
enough aggressive  
changes, this quickly,  
on top of what has  
already been done?**

# YES!

1. **Everyone must take all our Governor's orders and precautions advised very, very seriously. Most important is strict social distancing and very frequent hygiene.**
2. **The **manâmkô'** and all those with **chronic medical problems** like **hypertension / high blood pressure, diabetes, heart disease, and especially those on dialysis** are the most vulnerable and need additional isolation and protection.**

# Guam's Trajectory for COVID-19 Cases & Hospitalization Predictions If **16.5%** Daily Spread Rate (half of current rate)



*If we cut in half our current spread rate. Guam's critical care system will have a chance to bend without breaking.*

**\*Assuming 20% of infected require hospitalization and that of 20% of those admitted end up in ICU.**

1. Wu, Z, McGoogan, JM. Characteristics of and Important Lessons From the Coronavirus Disease 2019 (COVID-19) Outbreak in China Summary of a Report of 72314 Cases From the Chinese Center for Disease Control and Prevention. JAMA. Feb 24, 2020