



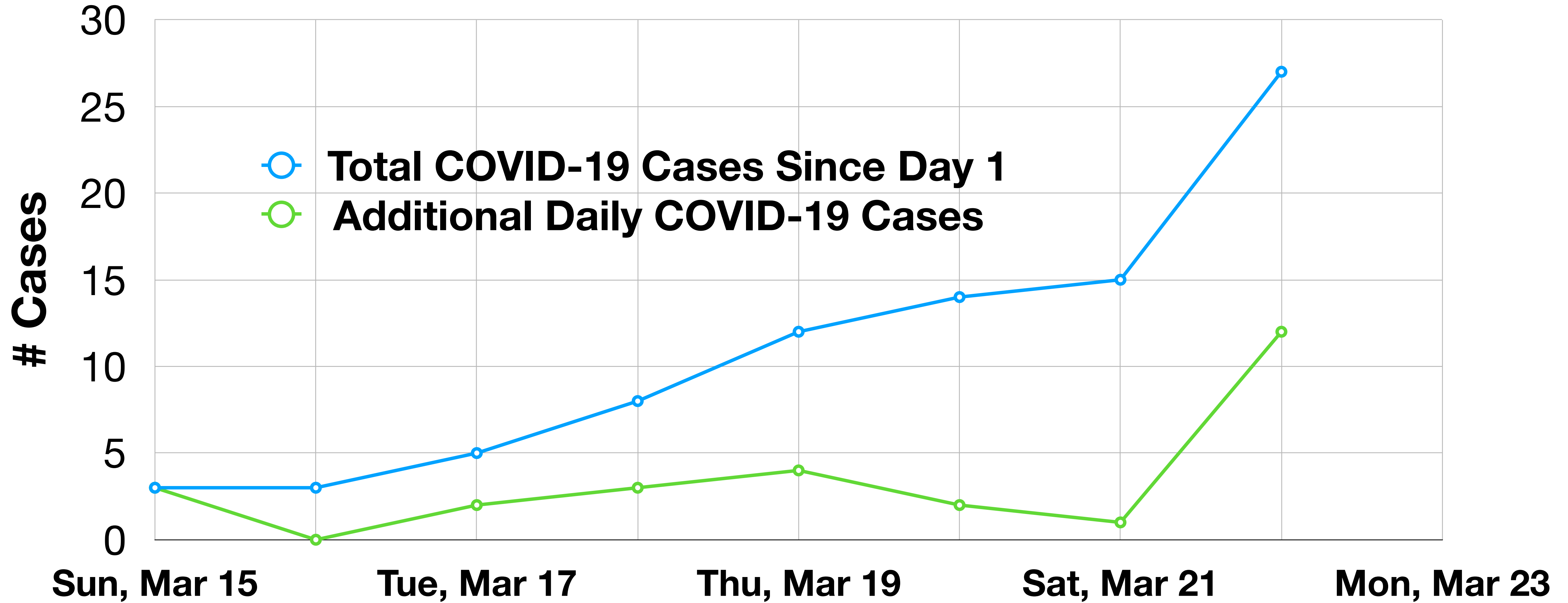
Guam's Estimated Trajectory for COVID-19 Cases and Impact for Hospitalized Patients

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

Guam's COVID-19 Positive Cases

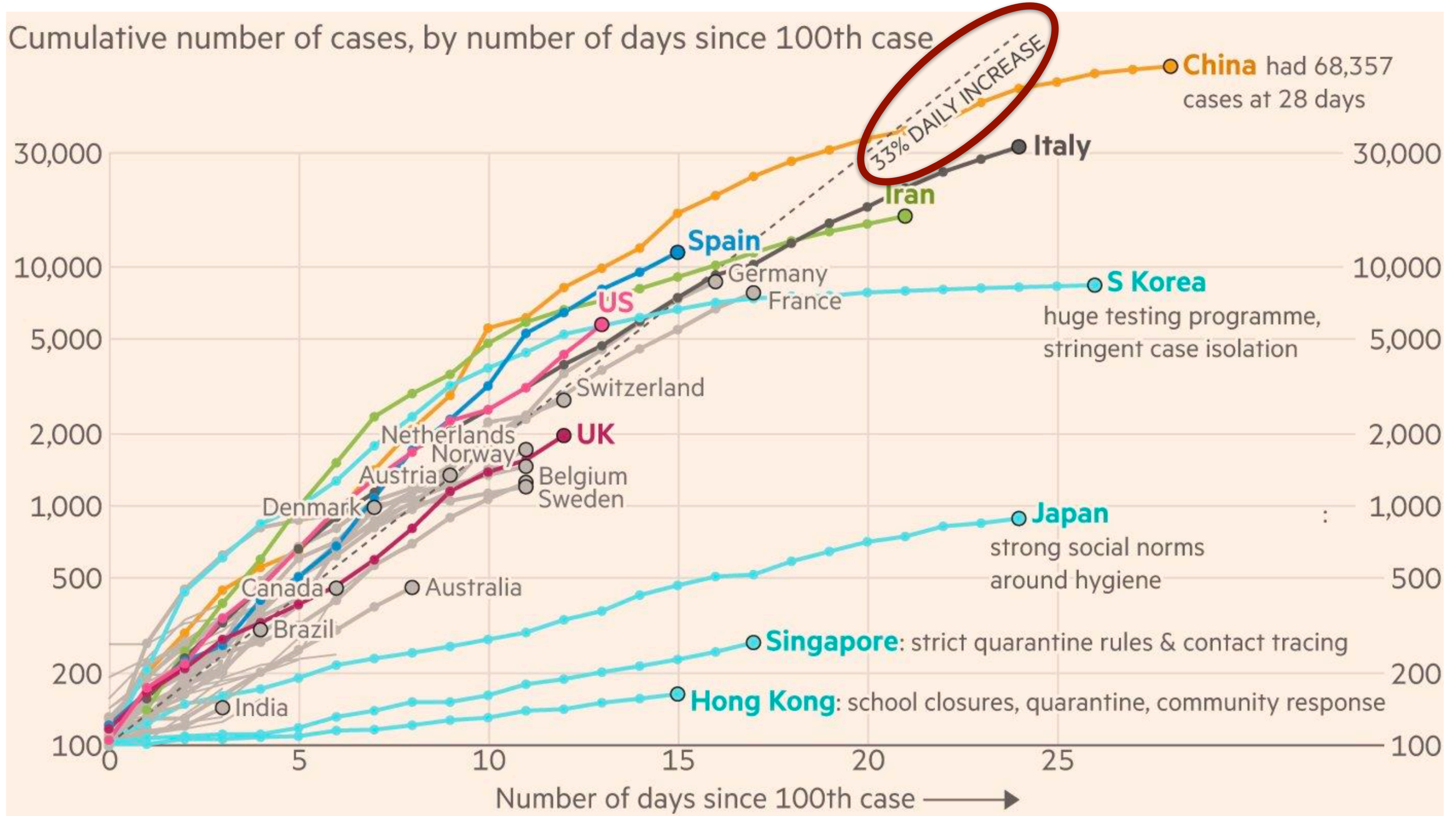
Date	Day	New + COVID-19	Total + COVID-19 Since Day 1
Sun, Mar 15	1	3	3
Mon, Mar 16	2	0	3
Tue, Mar 17	3	2	5
Wed, Mar 18	4	3	8
Thu, Mar 19	5	4	12
Fri, Mar 20	6	2	14
Sat, Mar 21	7	1	15
Sun, Mar 22	8	12	27
Mon, Mar 23	9		

Guam's COVID-19 Positive Cases



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

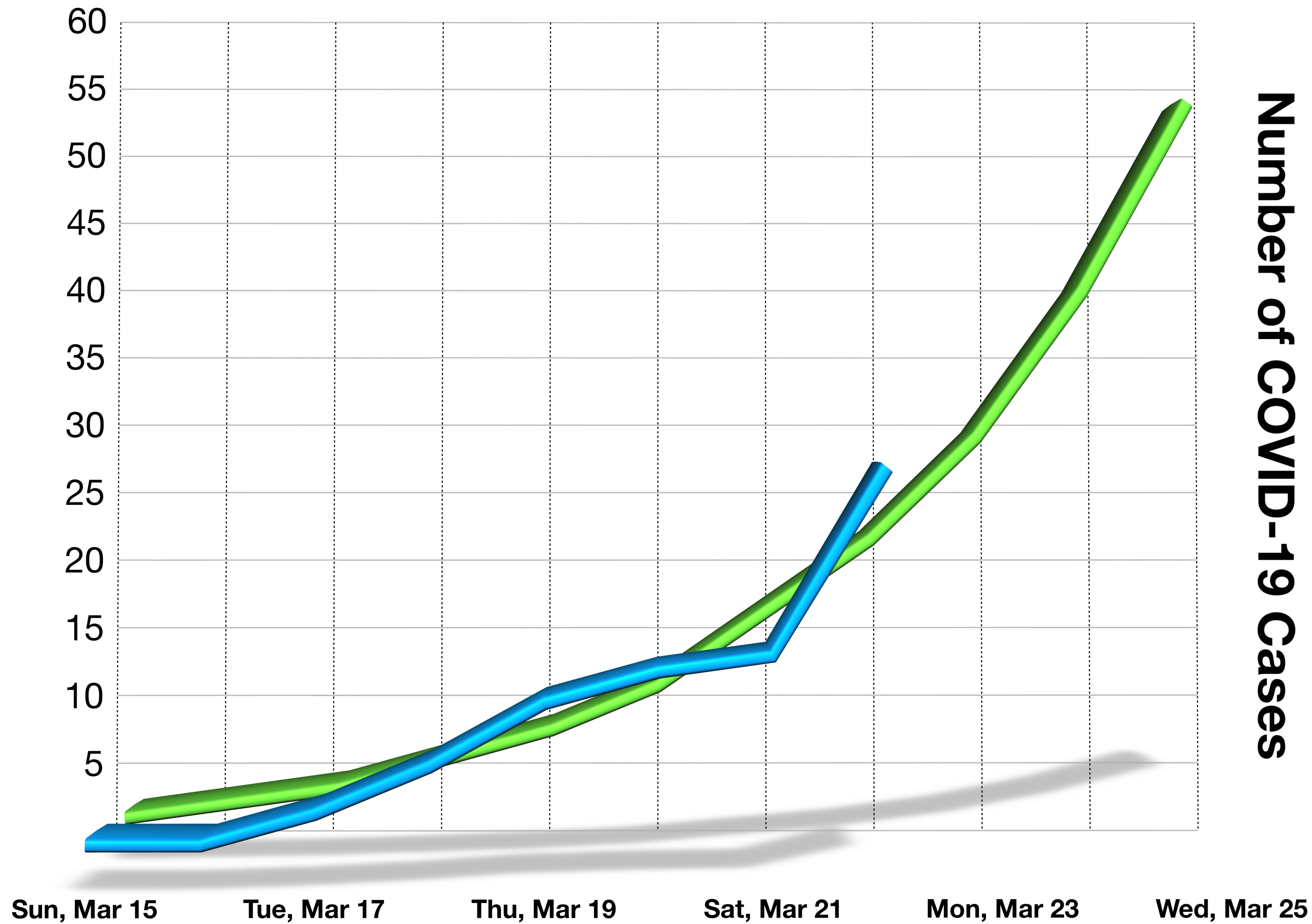
Cumulative number of cases, by number of days since 100th case



FT graphic: John Burn-Murdoch / @jburnmurdoch

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

© FT



**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
Total Hospital Beds	350
Bed Capacity Based on Nursing Staff Levels (Already Reached)	250
Total Unstaffed Bed Space Available	100
Total ICU Beds	28
ICU Capacity Based on Nursing Staff Levels (Already Reached)	13
Unstaffed ICU Beds Available	15
Unstaffed Non-ICU Beds Available	85

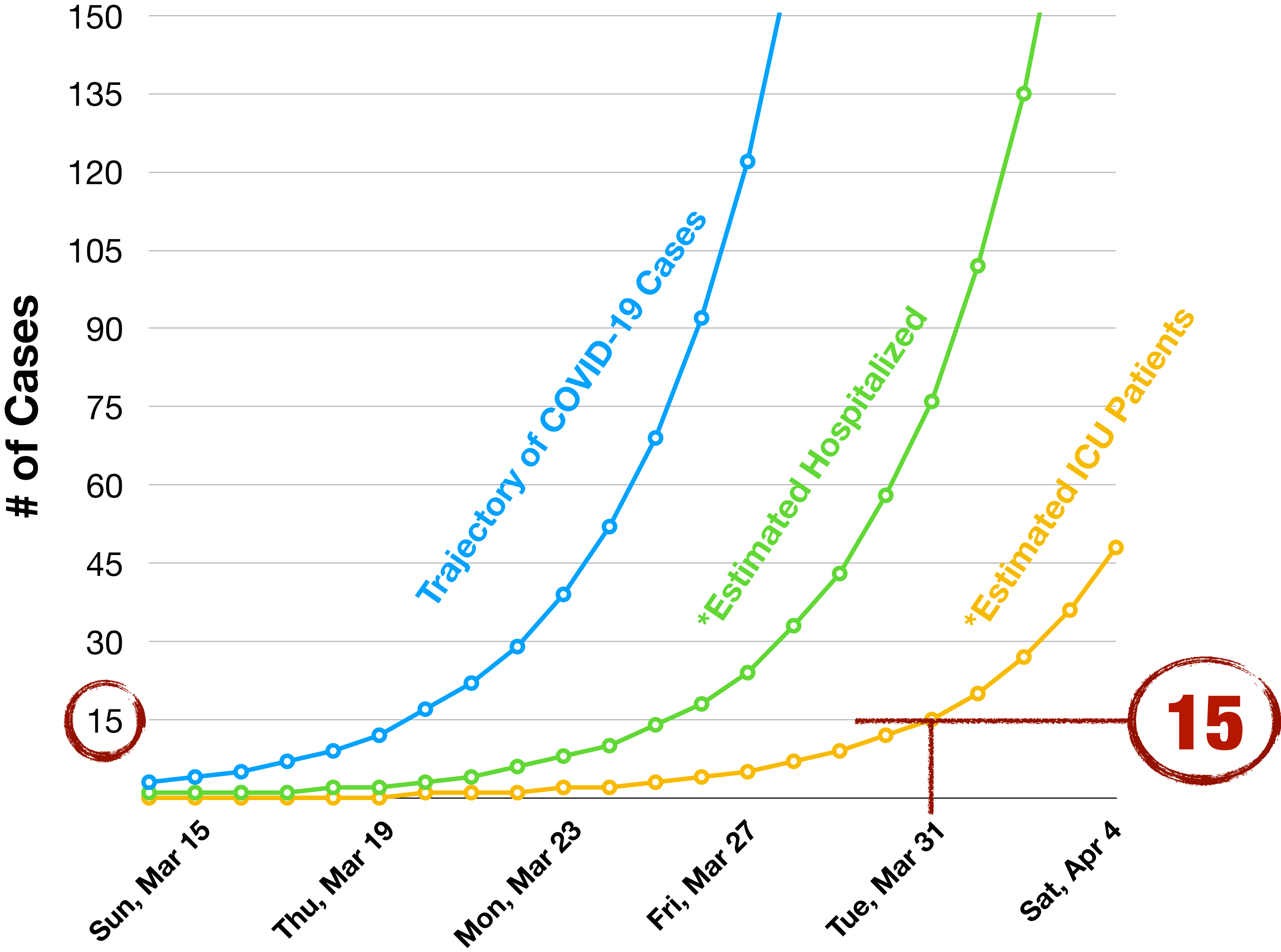
Guam's Combined Civilian Hospital Capacity

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

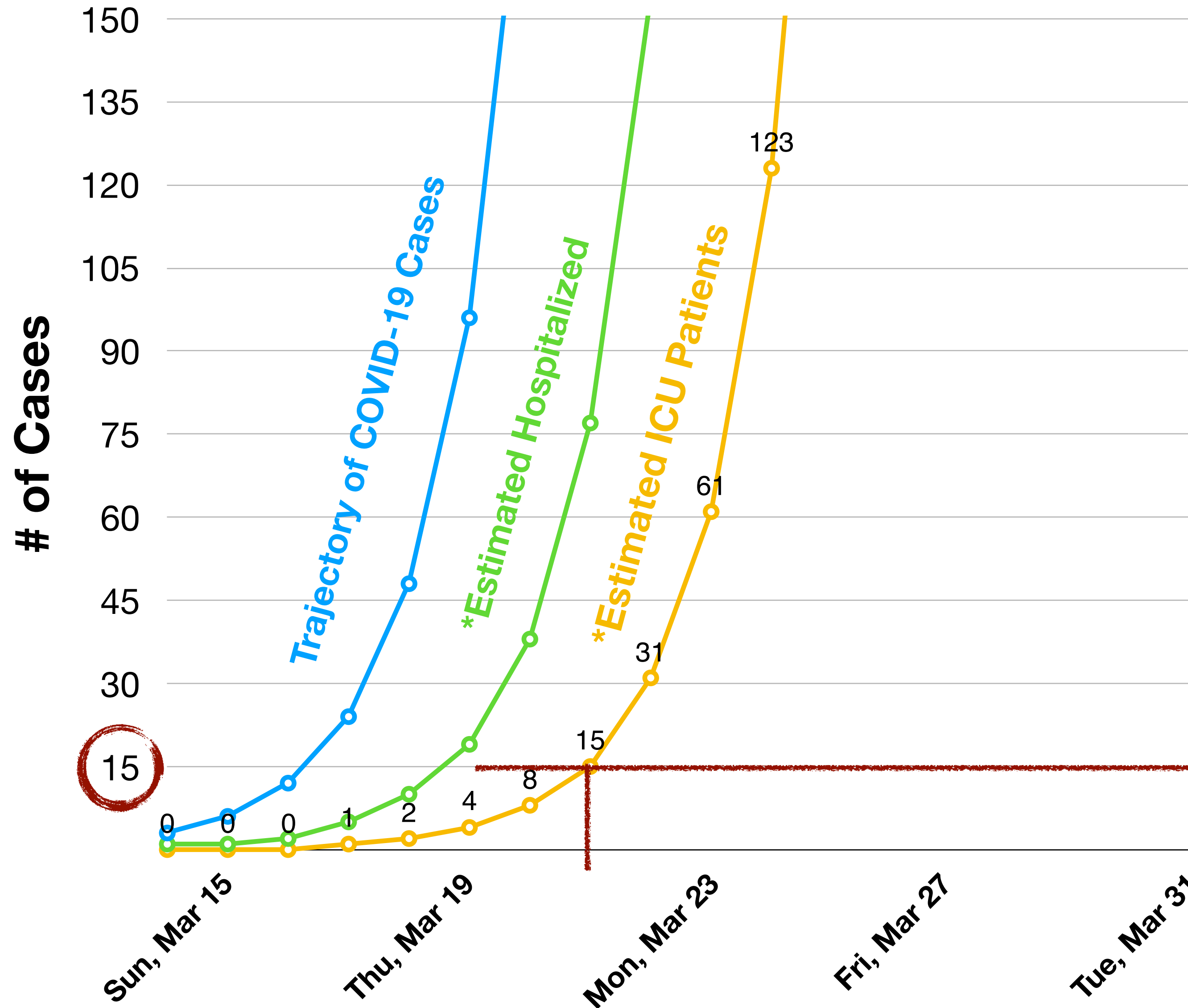
*Assuming 20% of infected require hospitalization and that of 20% of those admitted end up in ICU.

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

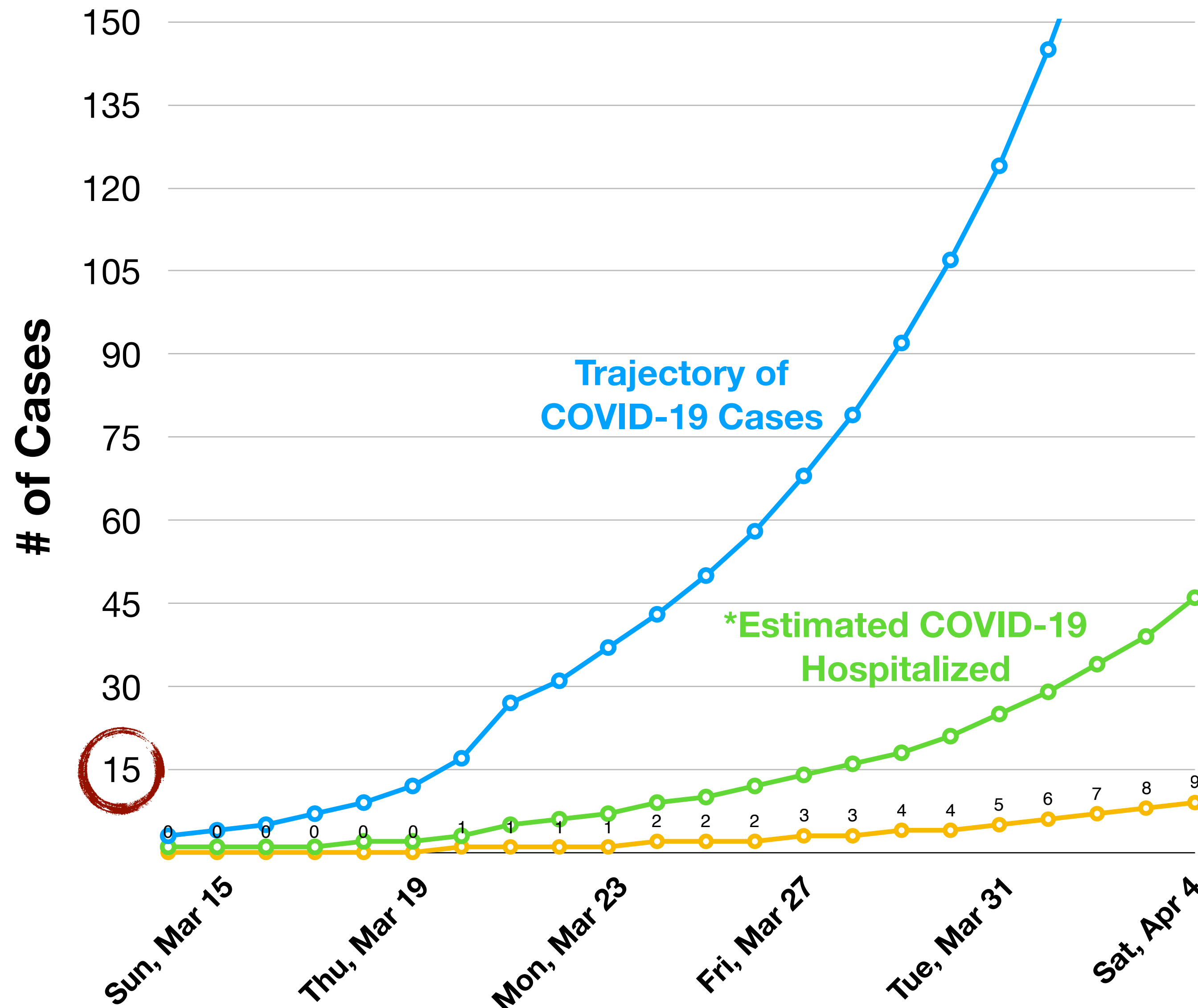


**Can we make
enough aggressive
changes, this quickly,
on top of what has
already been done?**

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