

Consequences to Protect Both Patients and Hospital Personnel from the COVID-19 Patients

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A FIRST WAVE OF COVID-19 INFECTIONS IN JAPAN

April 16th

It was expanded nationwide on April 16

April 7th

Emergency declared in Japan for Tokyo, Osaka and five other virus hot spots

May 15th
Lift coronavirus state of emergency in 39 prefectures

Collapse the health care system?
COVID-19 big outbreak inside the country?

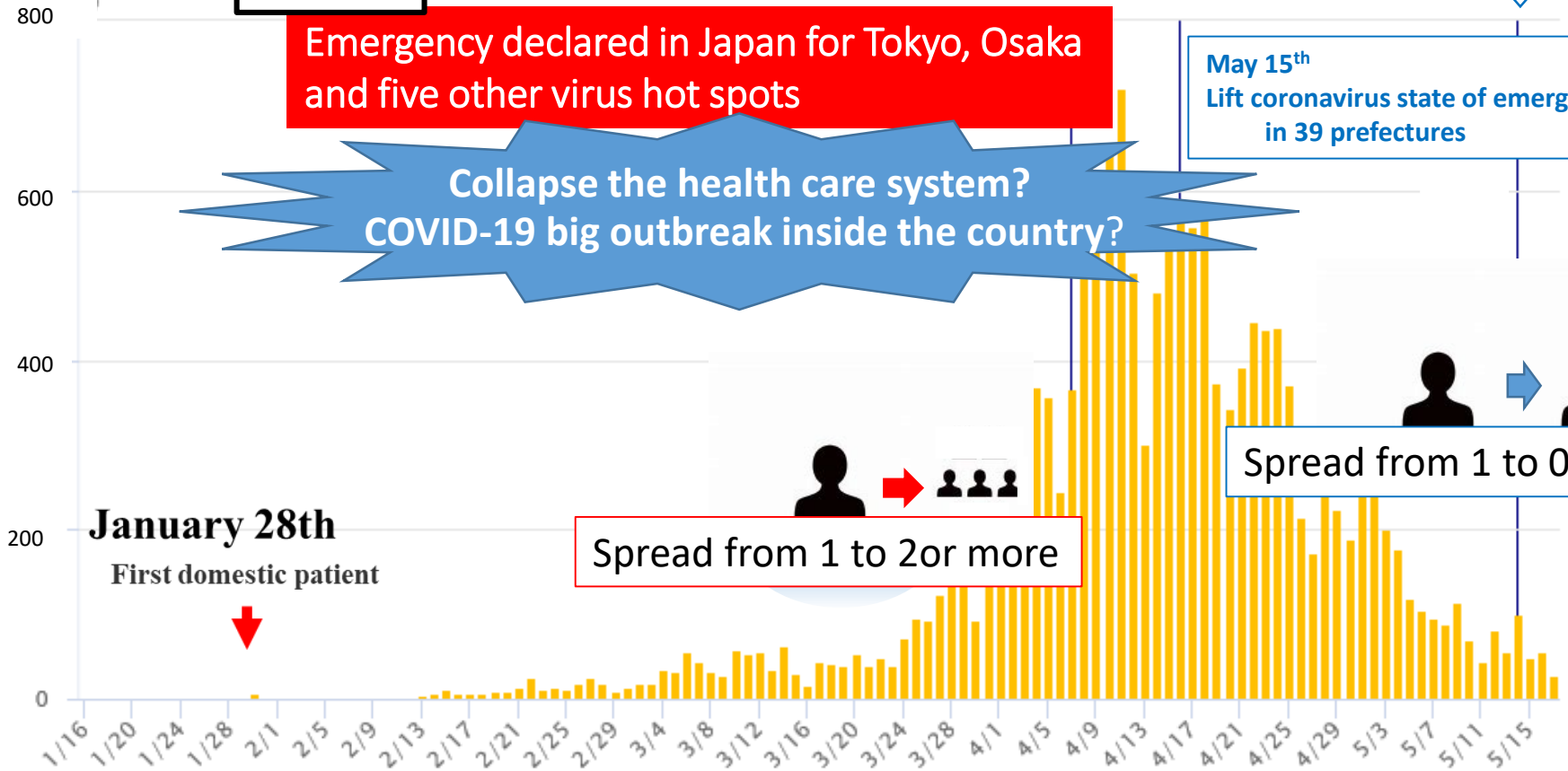
January 28th

First domestic patient

Spread from 1 to 2 or more

Spread from 1 to 0.6

Number of patient



Jan.

Feb.

March.

April.

May.

"There are no right answers anywhere in the world about the steps to take to be all right yet,"



Government will reimpose restrictions the number of patients increases dramatically again

The 3 steps to take to be all right

Health care system



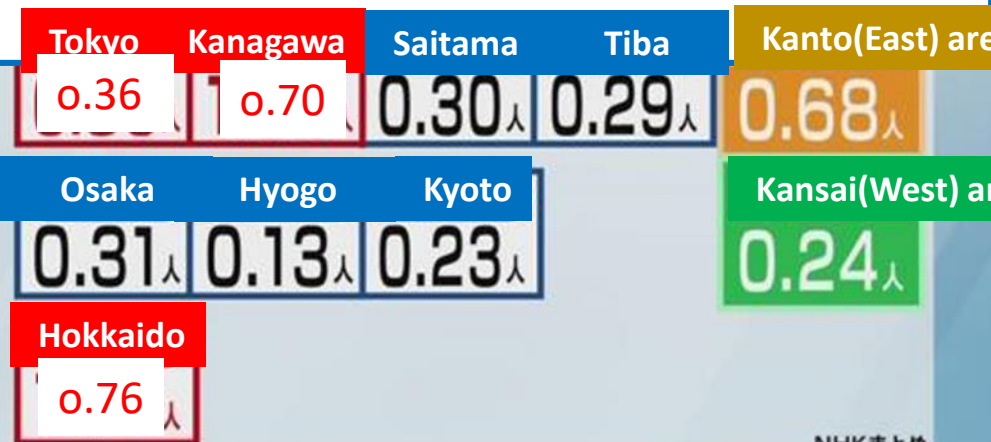
PCR testing system

- Private company
- National inspection institution
- University hospital

Outbreak situation on May 19th

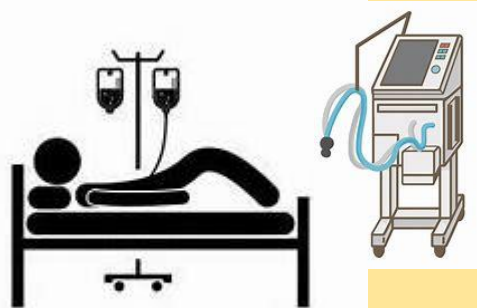
The nation's capital and seven prefectures maintain emergency measures for now.

The average number **of new patients per week** staying at **0.5** or below per 100,000 people



What makes difficult to control COVID-19?

Hospital Admission



5% are critical infections, requiring **ventilation**.

15% are **severe infection**, requiring **oxygen**

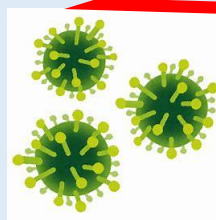
80% of infections are **mild or asymptomatic**

Confirmed cases

Everyday life



Transmitted by asymptomatic and pre-symptomatic individuals



- Cutting back human-to-human interaction
- Avoiding unnecessary outings

Not confirmed cases

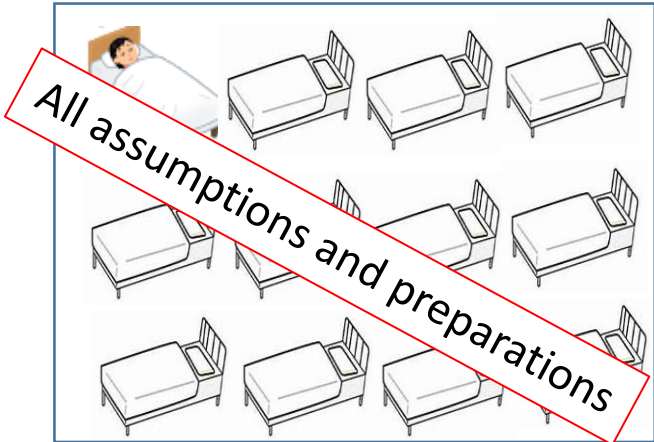
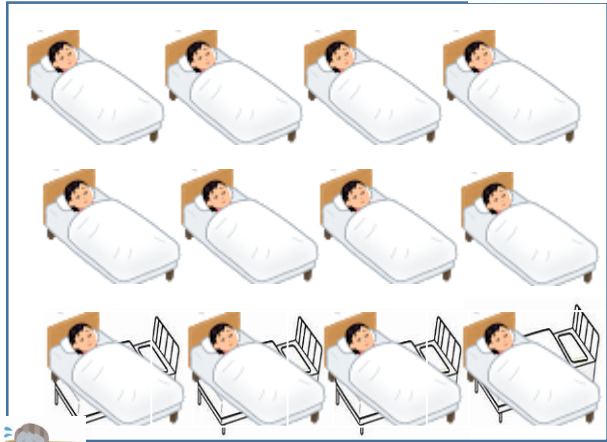
To avoid Collapse the health care system

Specific warning prefectures

High risk area of spreading infection

Non-endemic area

Endemic areas



All assumptions and preparations

11 COVID-19 cases die...before being treated by a doctor or without even a diagnosis

Mild or asymptomatic patients

HOTEL



Not elderly and have No underlying health issues

Mild or asymptomatic patients



Empty floor



HCWs

Important notice for preventing COVID-19 outbreaks.

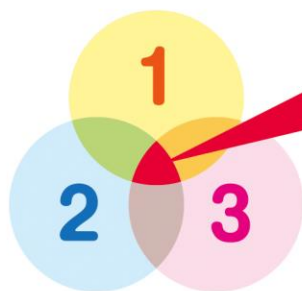
Avoid the “Three Cs”!

- 1. Closed spaces** with poor ventilation.
- 2. Crowded places** with many people nearby.
- 3. Close-contact settings** such as close-range conversations.



One of the key measures against COVID-19 is to prevent occurrence of clusters.

Keep these “Three Cs” from overlapping in daily life.



The risk of occurrence of clusters is particularly high when the “Three Cs” overlap!

In addition to the “Three Cs,” **items used by multiple people** should be cleaned with disinfectant.



COVID-19 strategy: The Japan model



Citizens cut back human-to-human contact by 70 percent to 80 percent

Must continue to stay home

Avoid nonessential travel

Japan barely has 800 deaths from COVID-19 infection
Extremely high psychological pressure on ICU staffs

Italy

More than 30,000 people have
died

Shortage of ventilators and beds

「**life-related choices**」

• • •

The same thing happens in Japan ?

“We feel that the collapse of the emergency care system is already here,” said the Japanese Association for Acute Medicine in a statement issued earlier this month.

Supplies of protective equipment — such as N95 masks and isolation gowns for medical workers — are running threateningly low

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Important notice for preventing COVID-19 outbreaks.

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- ✓ **Avoid 3 Cs!**
Must continue to stay home
Avoid nonessential travel

- ✓ **Avoid Hospital-acquired infections**
Enough PPE / Infection control specialist team

- ✓ **Strengthening emergency medical capabilities** is a very important area for **preventing the collapse of medical care** in the country.

Second wave of the novel coronavirus is “inevitable,”