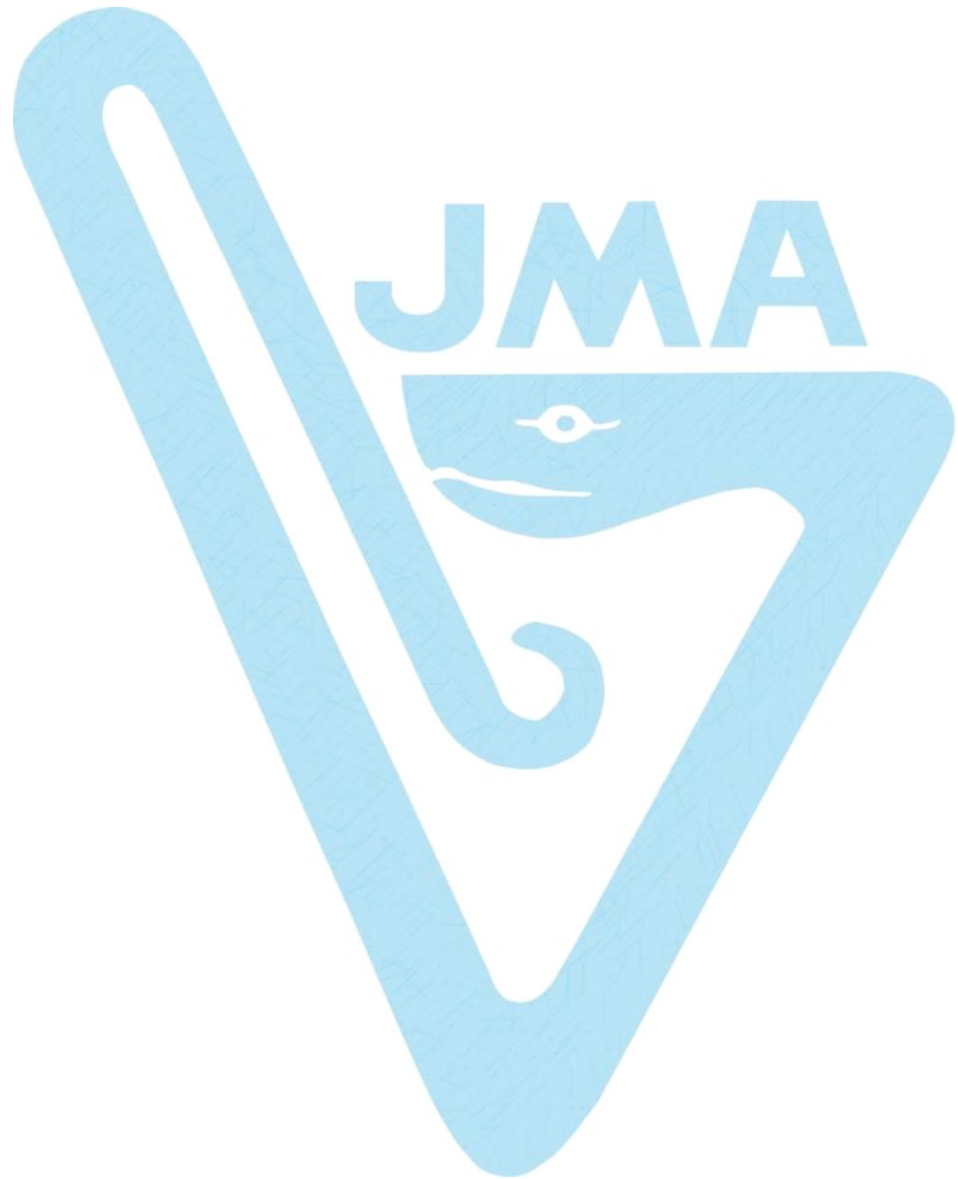


**2019 CMAAO General Assembly GOA  
September 5, 2019, Goa, India**



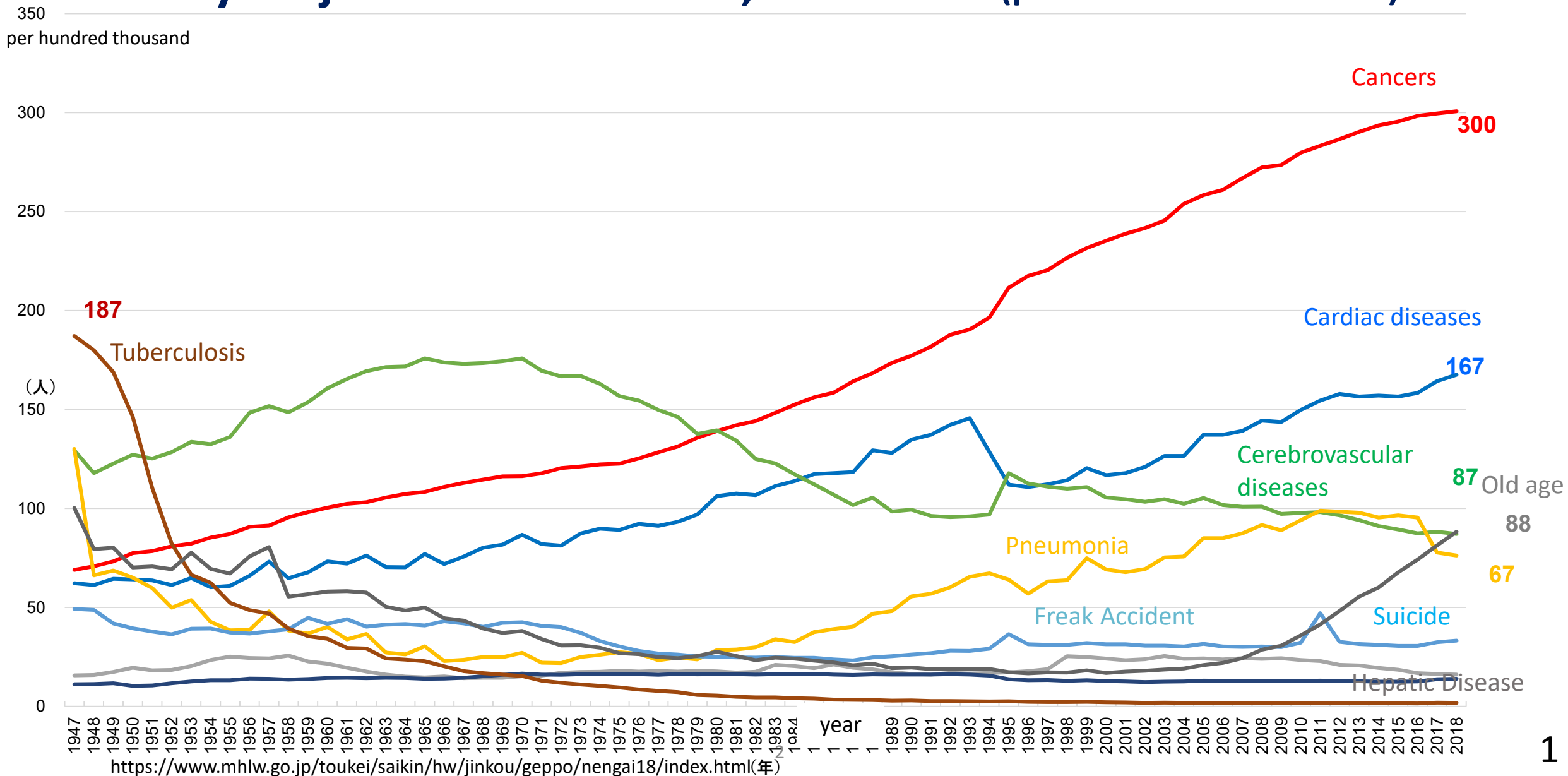
# **Country Report**

**Yoshitake YOKOKURA, MD**

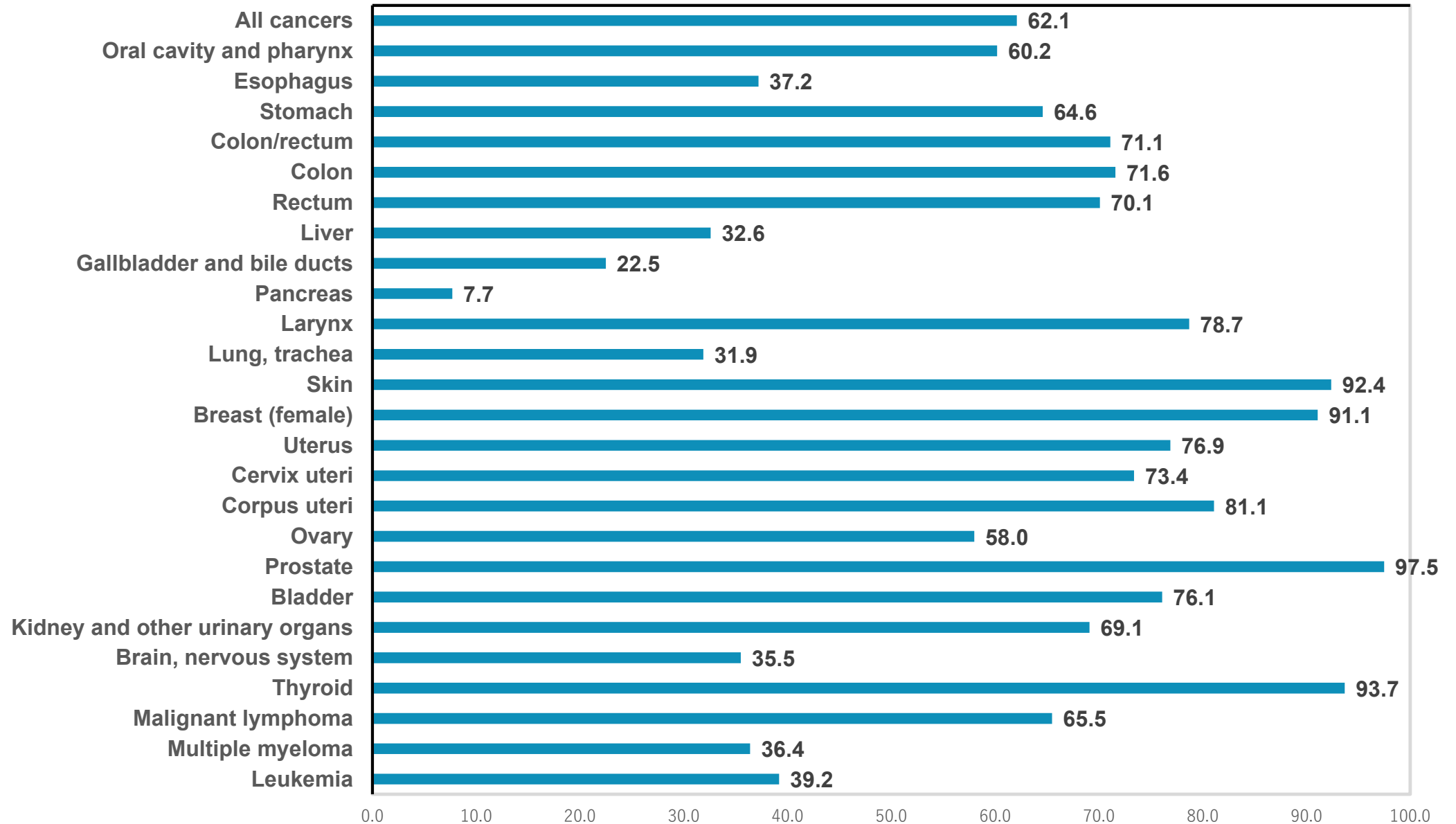
**President**

**Japan Medical Association**

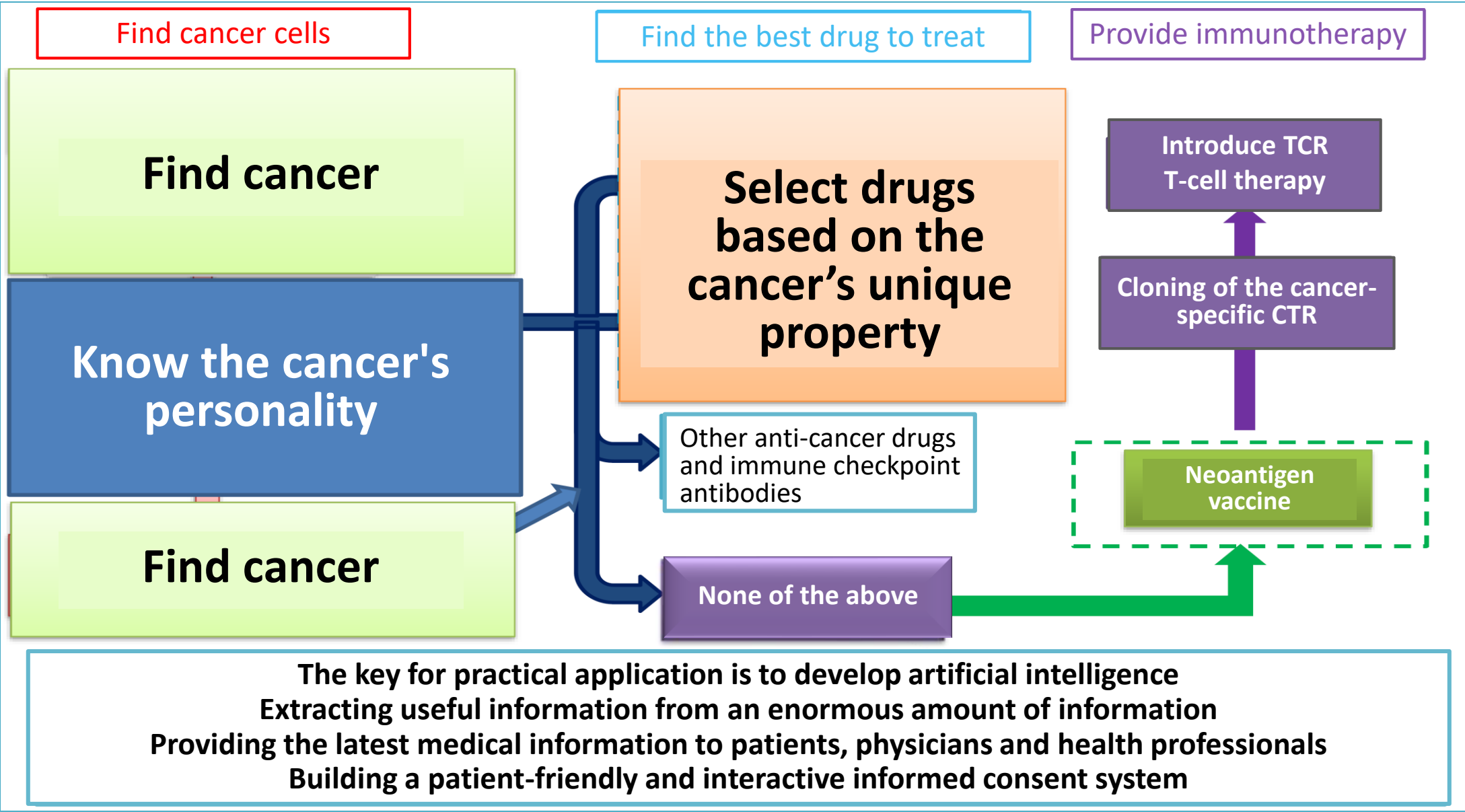
# Historical changes in mortality rate in Japan by major causes of death, 1947-2018 (per hundred thousand)



## 5-year relative survival rate in cancers by organ in 2006-2008

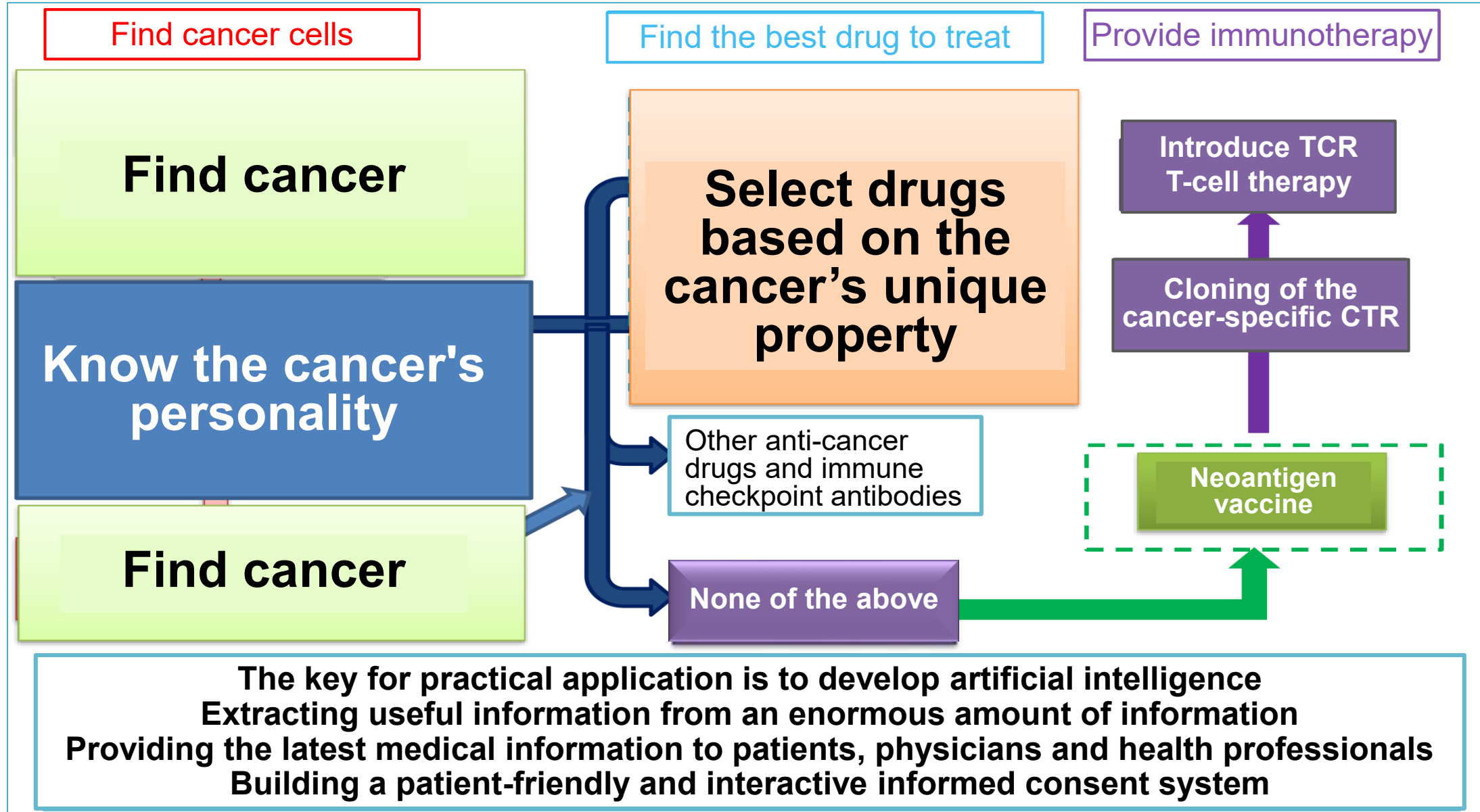


# Cancer Precision Medicine Project (1/2)

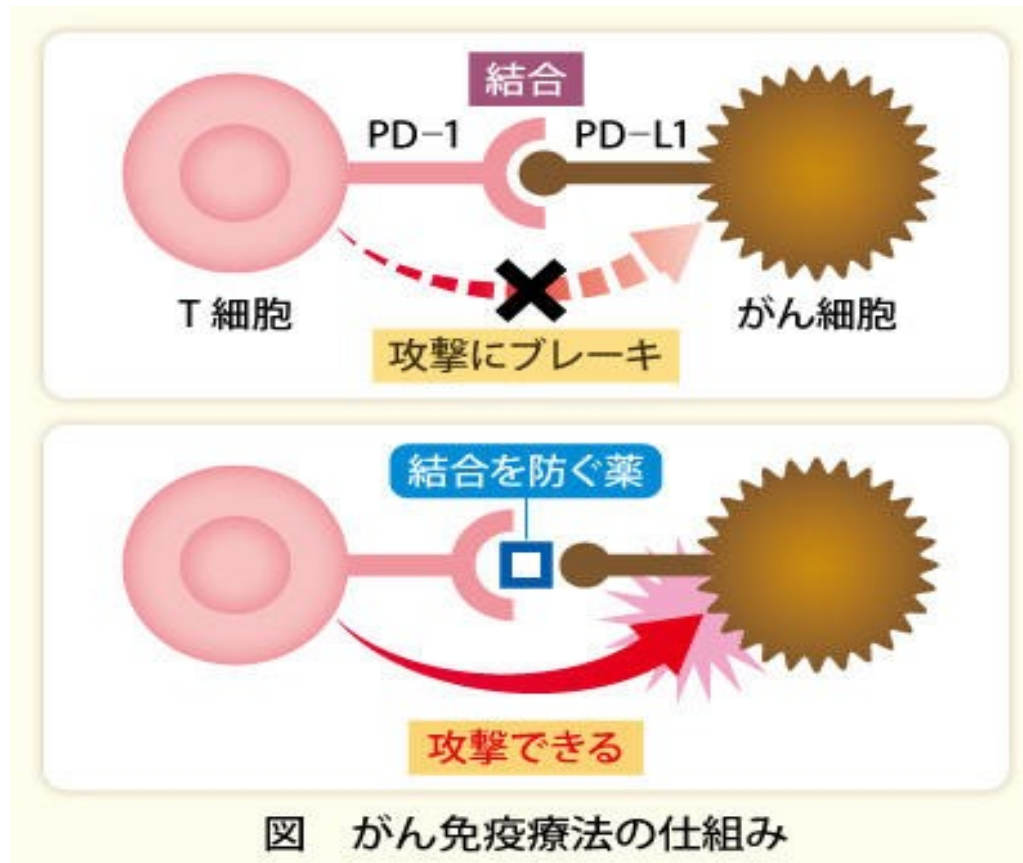


\* From the JMA Seminar lecture by Prof. Yusuke Nakamura (Sept 18, 2018)

# Cancer Precision Medicine Project (2/2)



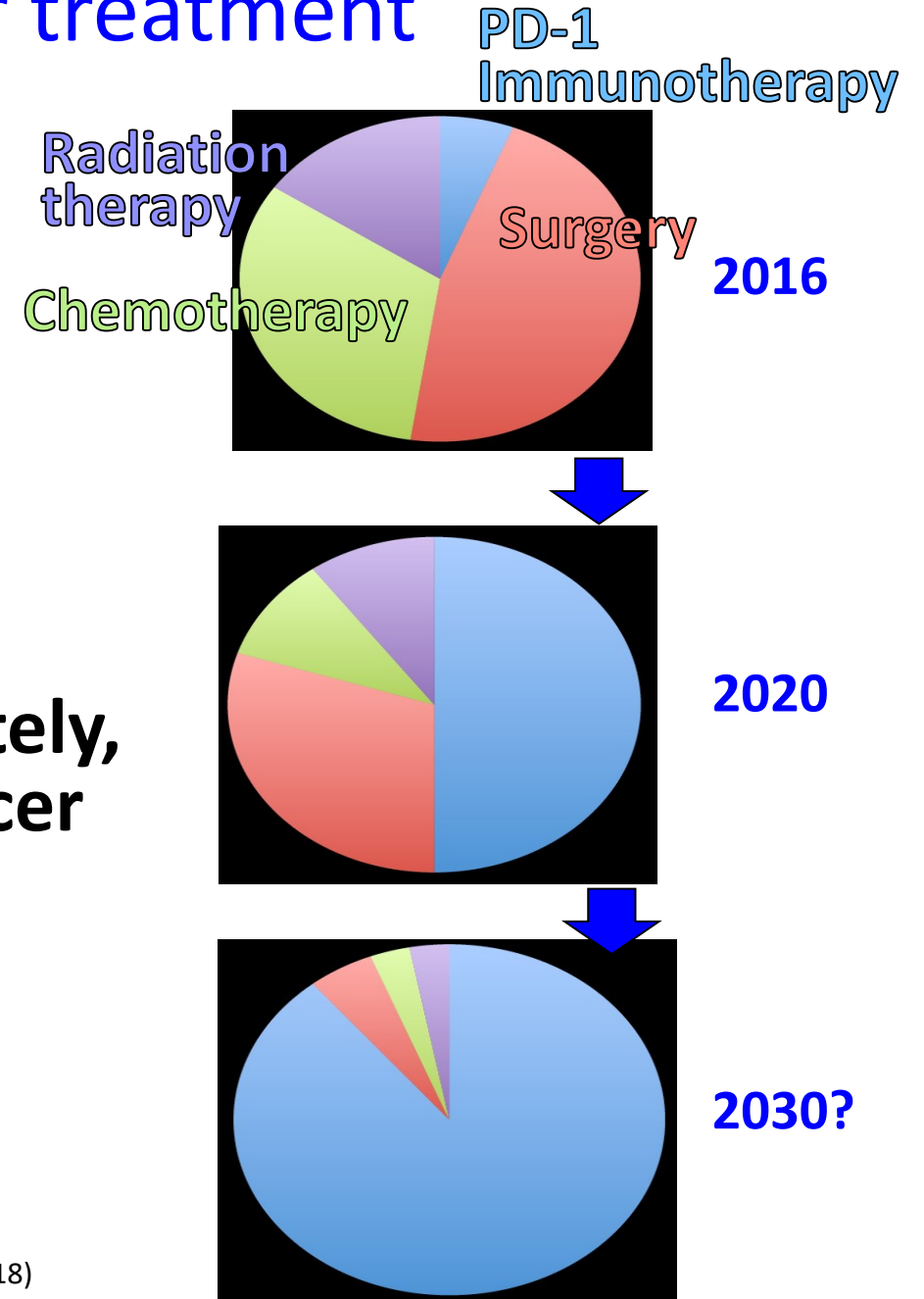
Tasuku Honjo, M.D.  
Professor, Graduate School of Medicine and Faculty of  
Medicine Kyoto University  
The Nobel Prize in Physiology or Medicine 2018



Prize motivation: "for their discovery of cancer therapy by inhibition of negative immune regulation."

# Predicting future cancer treatment

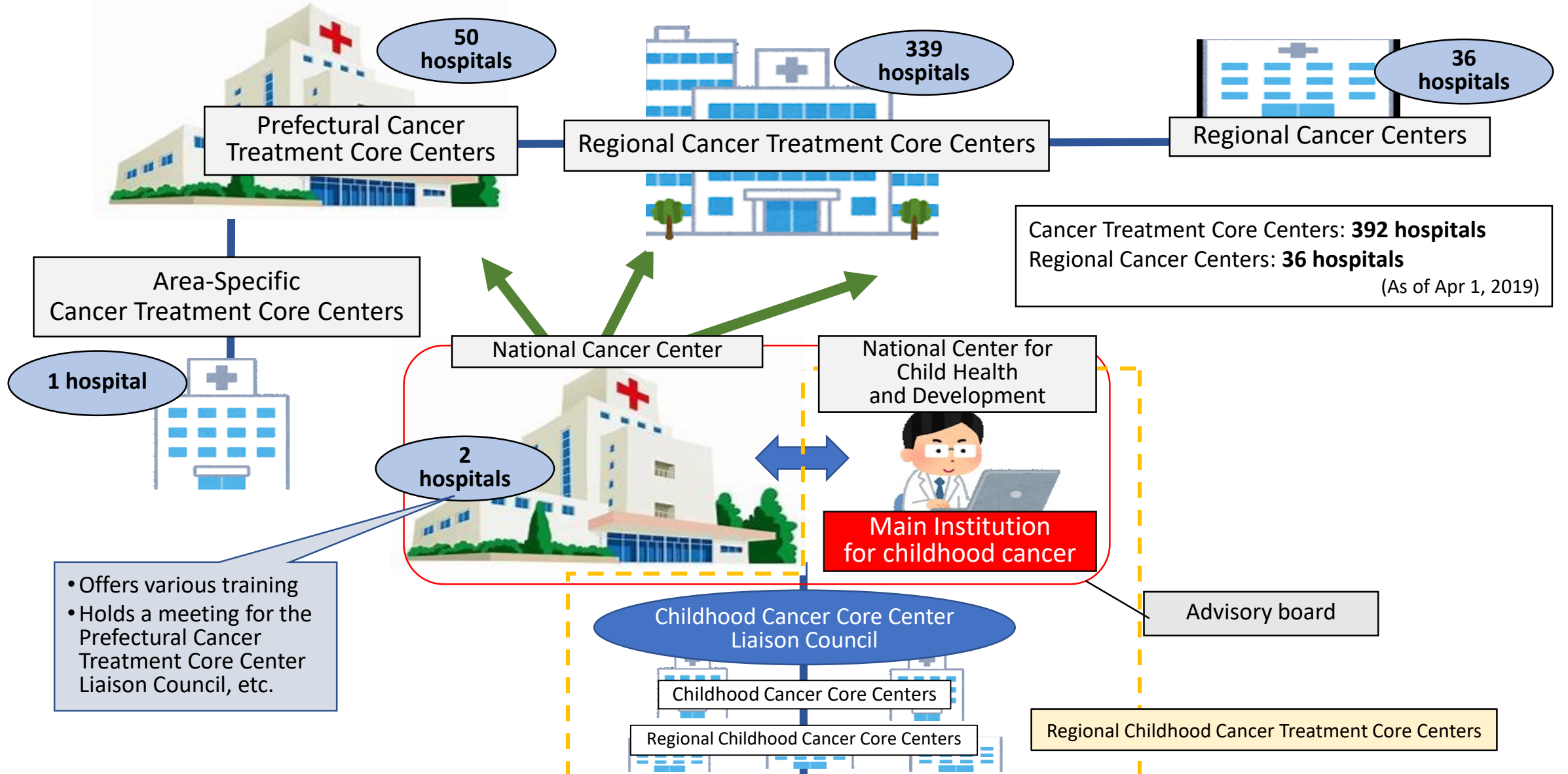
1. The effectiveness of immunotherapy, mainly PD-1 inhibitors, will improve
2. Immunity can basically cure all cancer
3. Though it may never disappear completely, a carcinoma may not grow further. Cancer will be a chronic disease that can be controlled.



# Cancer Treatment Regional Core Centers (Core Hospitals)

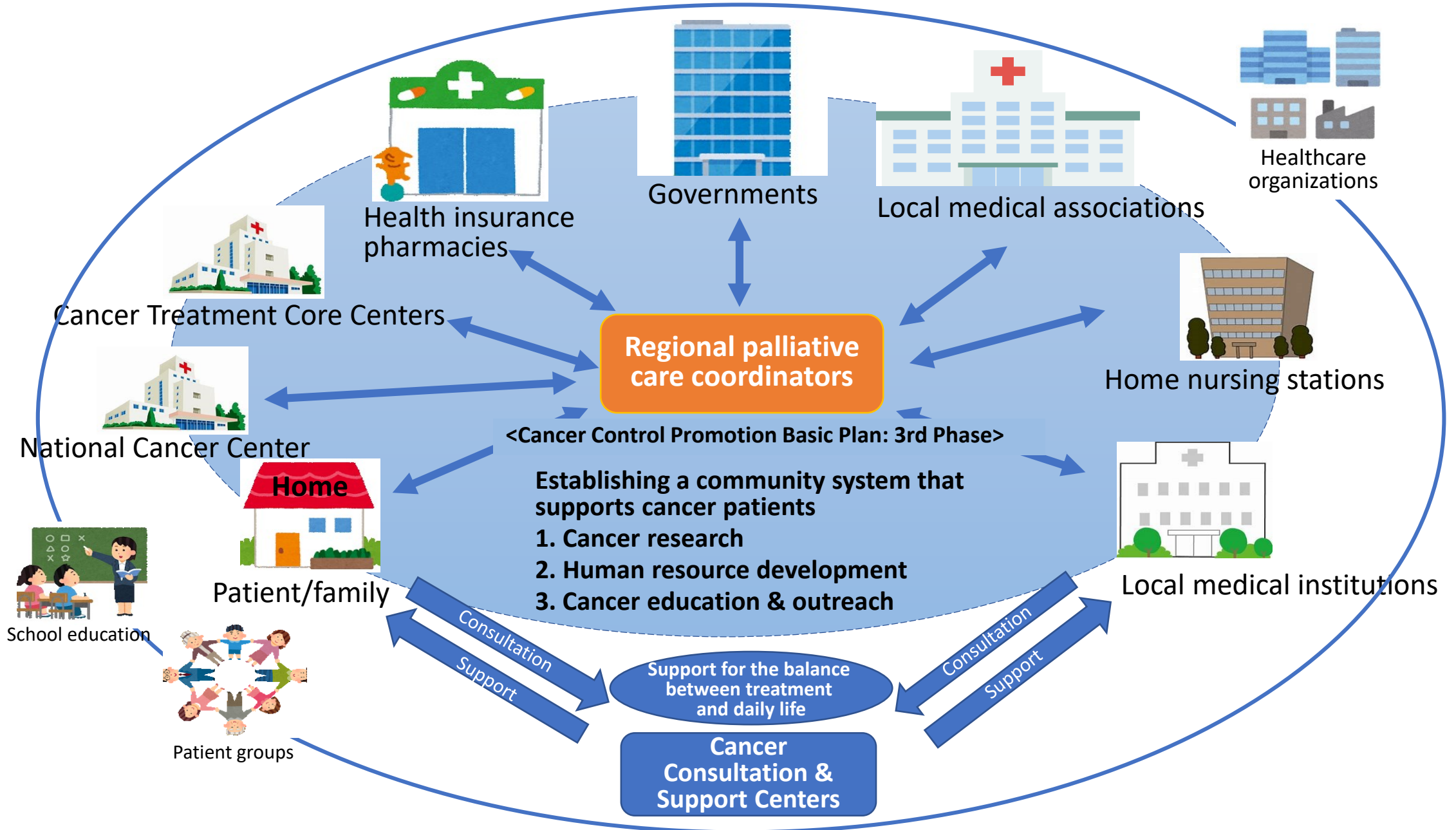
## <Purpose of installation>

- To be adolescents, and able to provide high-quality cancer treatment anywhere in the country.
- To be able to provide holistic high-quality cancer treatment and support for small children, adolescents, and young adults





# Building a Regional Network



# What are heavy ion radiotherapy and proton radiotherapy?

- Both treat cancer using advanced medical technology as defined by Minister of Health, Labour and Welfare (*aka.* “advanced medicine”)

	Technical overview	Indication
Heavy ion radiotherapy	A treatment method in which a heavy ion (carbon ion) beam irradiates a lesion from outside the body	<ul style="list-style-type: none"> <li>• Pulmonary/mediastinal tumor</li> <li>• Gastrointestinal tumor</li> <li>• Hepatic/biliary/pancreatic tumor</li> <li>• Urological tumor</li> <li>• Mammary gland &amp; gynecological tumors</li> <li>• Metastatic tumor</li> </ul> (Only when radical treatment is feasible)
Proton radiotherapy	A treatment method in which a particle (proton) beam, a type of radiation, irradiates a lesion to treat malignant tumor	<ul style="list-style-type: none"> <li>• Head/neck tumor (incl. brain tumor)</li> <li>• Pulmonary/mediastinal tumor</li> <li>• Gastrointestinal tumor</li> <li>• Hepatic/biliary/pancreatic tumor</li> <li>• Urological tumor</li> <li>• Mammary gland &amp; gynecological tumors</li> <li>• Metastatic tumor</li> </ul> (Only when radical treatment is feasible)

\* From *Overview of Different Technology in Advanced Medicine* by Ministry of Health, Labour and Welfare

# Medical institutions that provide advanced medicine (heavy ion and/or proton)

(As of June 1, 2019)

[H P]  
Hyogo Ion Beam Medical Center

[P] Hyogo Ion Beam Medical Center  
Kobe Proton Center

[H]  
East Japan Heavy Ion Center  
(Will open in the fall of 2020)

Heavy ion	6 medical institutions
Proton	17 medical institutions

[P] Hokkaido University Hospital

[P] Sapporo Teishinkai Hospital

[P] University Hospital, Kyoto  
Prefectural University of Medicine

[H] Gunma University Hospital

[P] Tsuyama Chuo Hospital

[P] Fukui Prefectural Hospital

[P] Southern TOHOKU Proton Therapy Center

[P] Aizawa Hospital

[P] University of Tsukuba Hospital

[P] Medipolis Proton Therapy  
and Research Center

[H] QST Hospital (Former NIRS Hospital)

[H]  
SAGA Heavy Ion Medical  
Accelerator in Tosu

[P] National Cancer Center Hospital East

[H] Kanagawa Cancer Center

[P] Shizuoka Cancer Center

[P] Nagoya City West Medical Center

[P] Narita Memorial Proton Center

[H] Osaka Heavy Ion Therapy Center

[P] Kouseikai Takai Hospital

[P] Osaka Proton Therapy Clinic

\* From *The List of Medical Institutions That Offer Advanced Medicine* (MHLW)

# Health Professional Meeting (H20) 2019 (1/4)

-Road to Universal Health Coverage-

June 13<sup>th</sup> & 14<sup>th</sup>, 2019

Hilton Tokyo Odaiba, Tokyo



# Health Professional Meeting (H20) 2019 (2/4)

-Road to Universal Health Coverage-

June 13<sup>th</sup> & 14<sup>th</sup>, 2019



# Health Professional Meeting (H20) 2019 (3/4)

-Road to Universal Health Coverage-

June 13<sup>th</sup> & 14<sup>th</sup>, 2019

Hilton Tokyo Odaiba, Tokyo



... to congratulate the hol  
... Professional Meeting 20



# Health Professional Meeting (H20) 2019 (4/4)

-Road to Universal Health Coverage-

June 13<sup>th</sup> & 14<sup>th</sup>, 2019

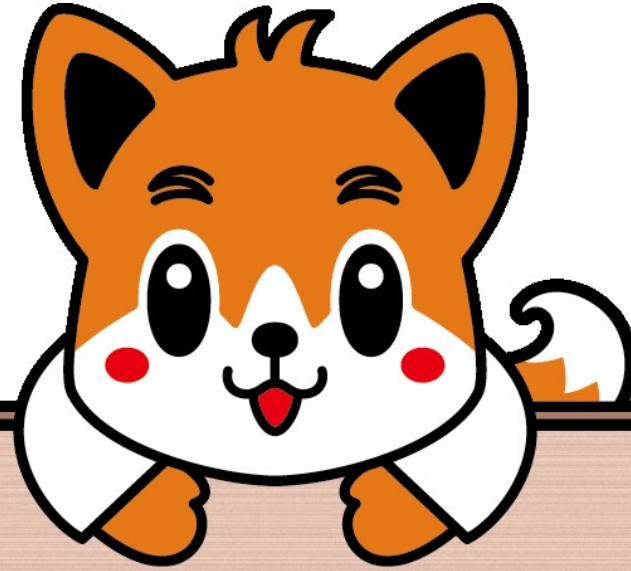
Hilton Tokyo Odaiba, Tokyo

## Memorandum of Tokyo on Universal Health Coverage and the Medical Profession

- UHC is a tool to overcome inequities in the health systems themselves.
- UHC is for people, but also by people.
- The WMA encourages physicians and their associations in all parts of this world to play a profound role in the advocacy for and the realization of UHC.
- We welcome the recent attention that G20 Finance Ministers give to the development of UHC as a contribution “to human capital development, sustainable and inclusive growth and development, and prevention, detection and response to health emergencies, such as pandemics and anti-microbial resistance, in developing countries.”
- We express our expectation to the G20 Summit that this inspires the way to improved and sustainable investments in health care system not only in G20 countries but also and most importantly in other economies, which still invest insufficiently in their health care systems, irrespective of the reasons for such shortfalls.

[https://www.mof.go.jp/english/international\\_policy/convention/g20/communique.htm](https://www.mof.go.jp/english/international_policy/convention/g20/communique.htm)

[https://www.mof.go.jp/english/international\\_policy/convention/g20/annex8\\_1.pdf](https://www.mof.go.jp/english/international_policy/convention/g20/annex8_1.pdf)



NICHII-KUN

**Thank you for  
your attention.**