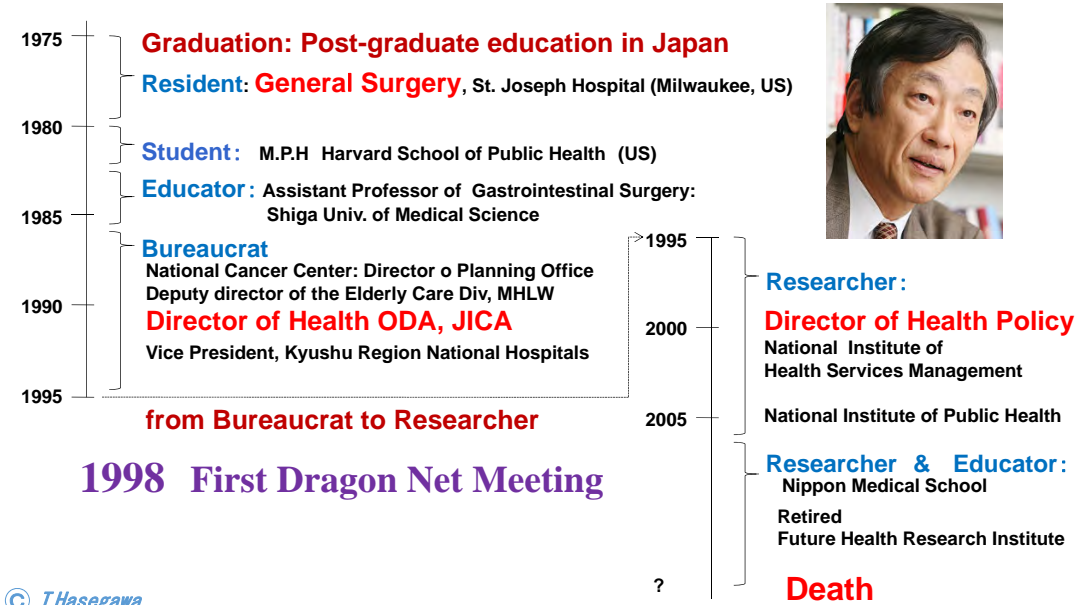


The Seventh Annual International Conference
 CPCE Health Conference 2022, Hong Kong
 "Long-term Care: Financing
 and Service Delivery in Asia-Pacific"
 10th January 2022

New paradigm for the future of super-aging societies – a prospective analysis from Japan

Toshihiko Hasegawa MD MPH PhD
 Future Health Research Institute, Tokyo, Japan

My C.V.



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 RIFH Japan

Health Policy Researchers Network of Asia



World Scientific
 Health Care Policy in East Asia: A World Scientific Reference
 Volume 2: Health Care Policy Research
 Volume 3: Health Care Policy Research

第2卷 日本医疗制度改革
 2.3章 编辑 长谷川敏彦

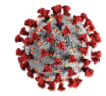
习近平 国家主席 提议 中国要向 亚洲各福利国家 学习成功经验

Chan DG WHODG
 Kim President World Bank
 日本 韩国 台湾 中国

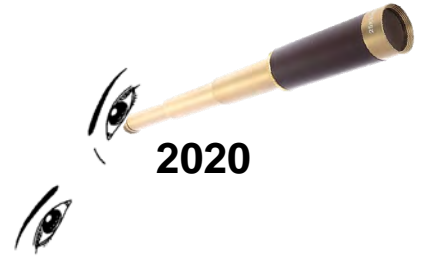
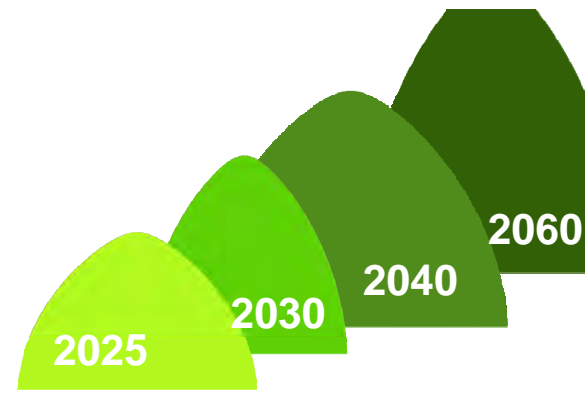
4 Volumes

Subject

A Glance at Future



Rapid Diffusion of Remote Medicine & Work



2020

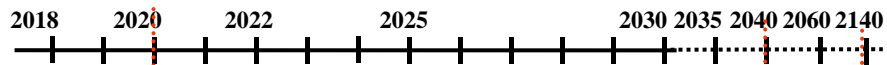
Reflections

What is Life
Work
Health?



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3-Term Future



Short-term Plan
"Crisis Management"

5 years
Review on Covid 19 Policy & Practice
Plan for Another Crisis

Mid-term Plan
"System Reform"

10 years 10 years
Analysis of Shift on Demand & Plan for Supply
Reform all Elements of Health System

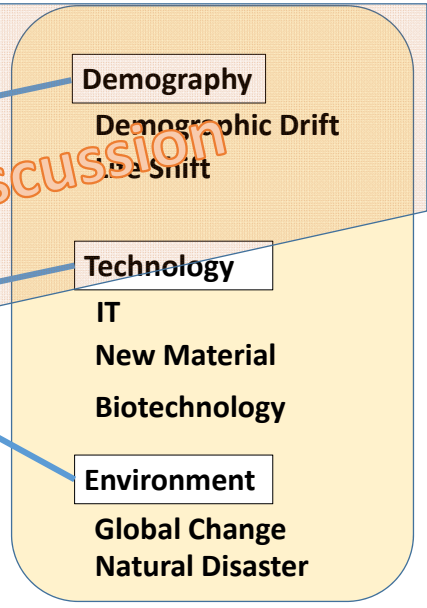
Long-term Plan
"Theory Development"

20 years 120 years
New Integrated Theory for 21 Century Medicine
Develop New related Disciplines

System



Context



Today's Discussion

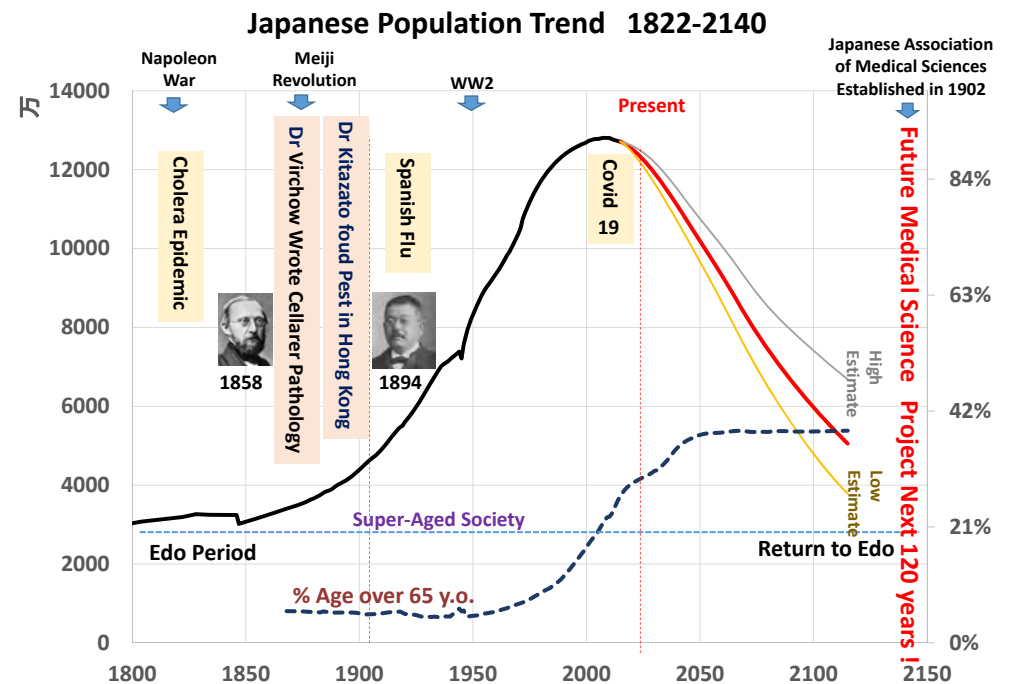
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Context

Demography

Population Trend





Dr Shibazaburo Kitazato identified "Pest Bacteria"; 1894/6/14 in Hong Kong; first in the world & contributed to control

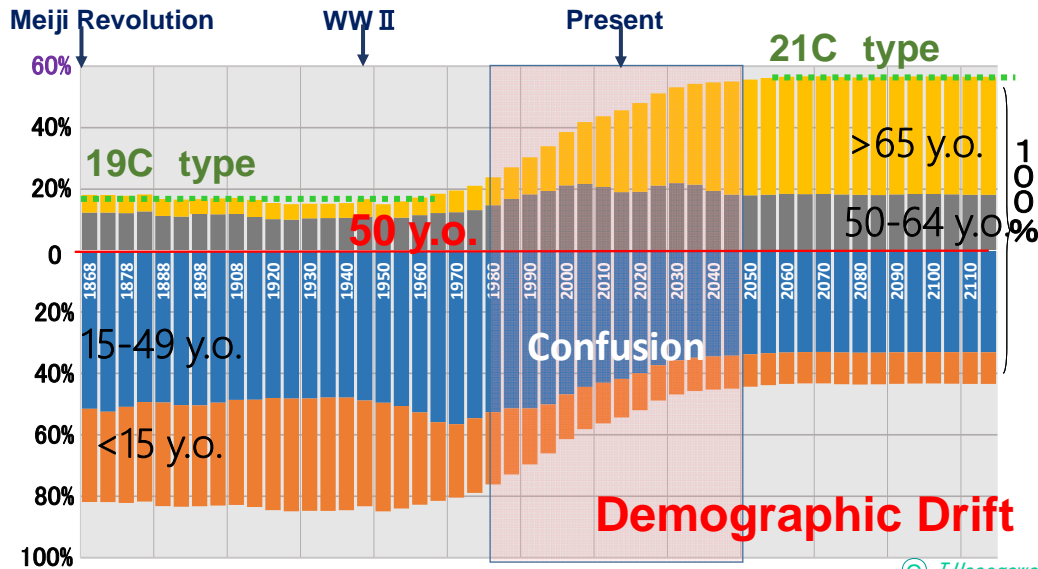


東華 The first welfare system of Hong Kong 1870

Demographic Drift

Japan 1868-2115

Age Structural Transformation in Last 240 years

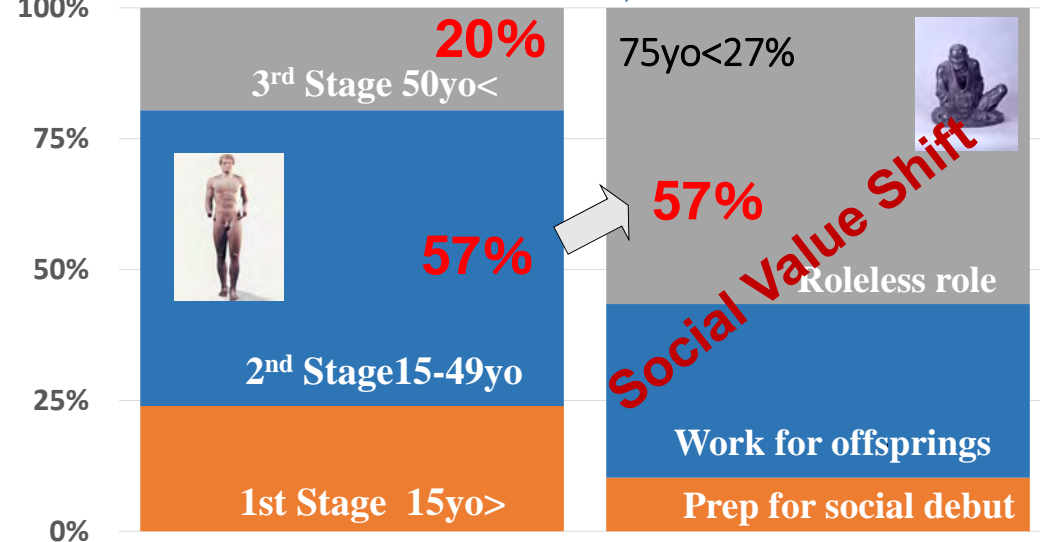


Okazaki Estimate Census Gov. Estimate 2017

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Different Country

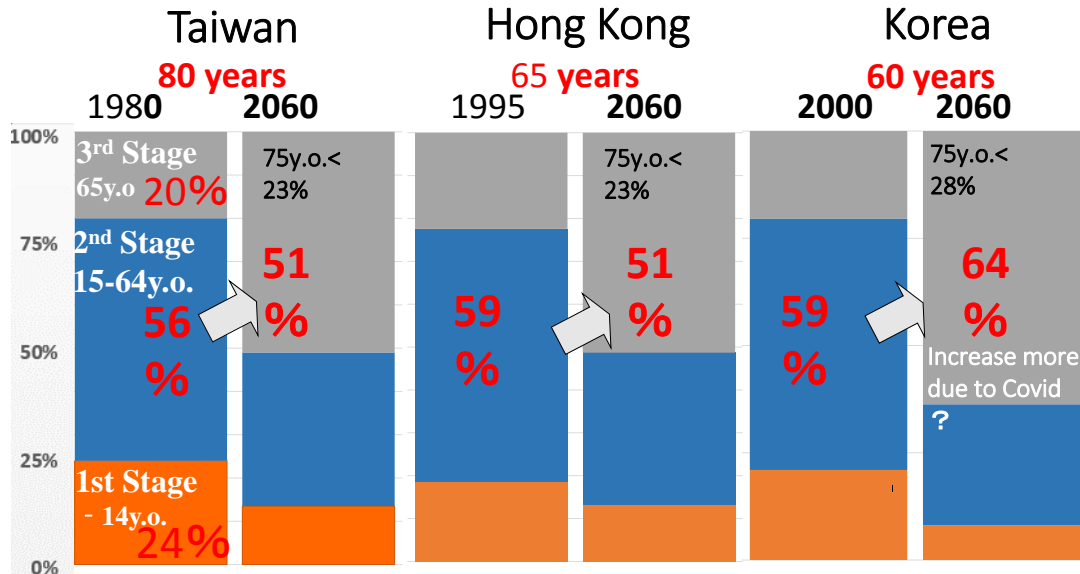
1970 → 2060



© T Hasegawa RIFH. Japan

Jap Gov. Estimate

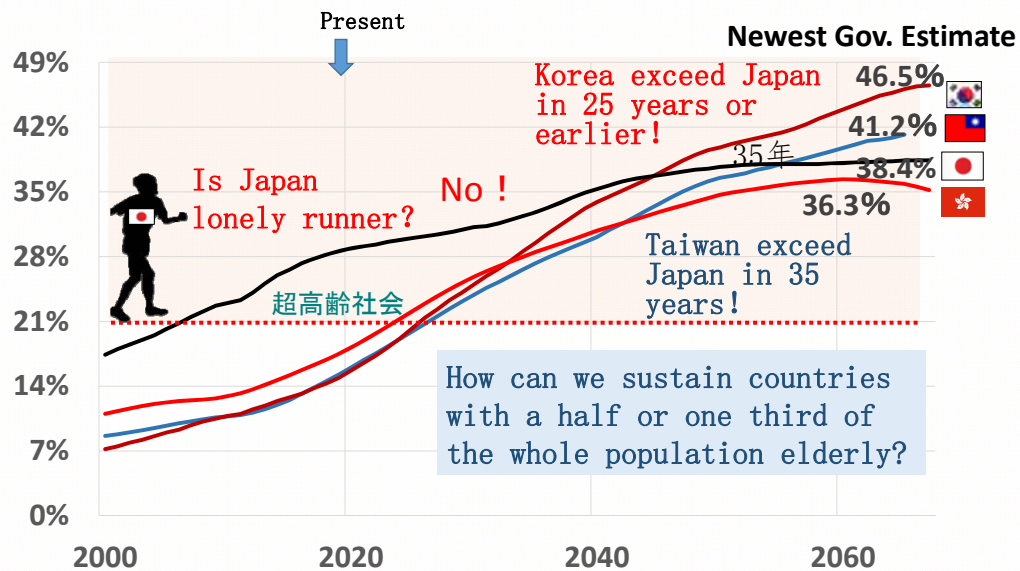
Three Countries



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Taiwan Gov. Estimate 2018 Korean Gov. Estimate 2019 UNWPP 2019

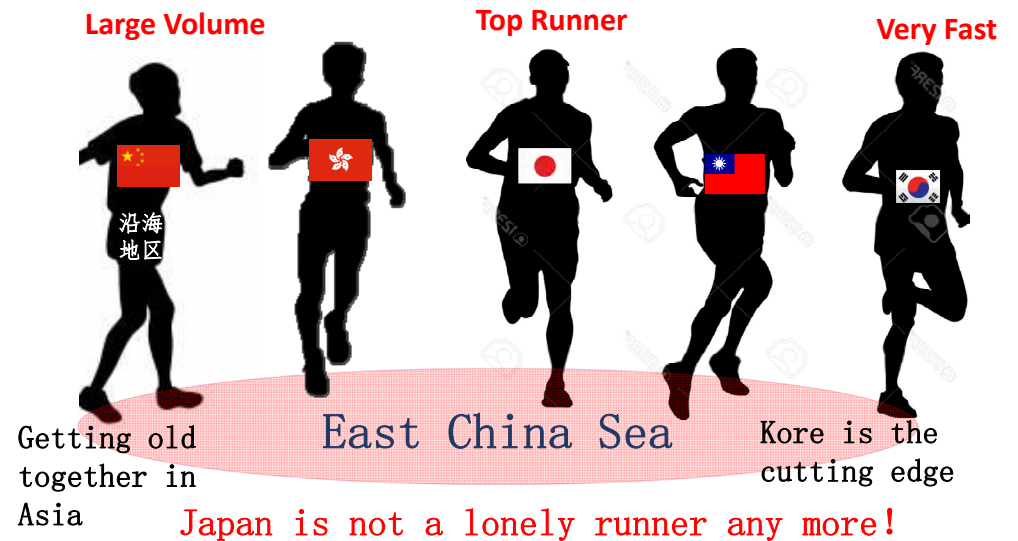
World Ageing



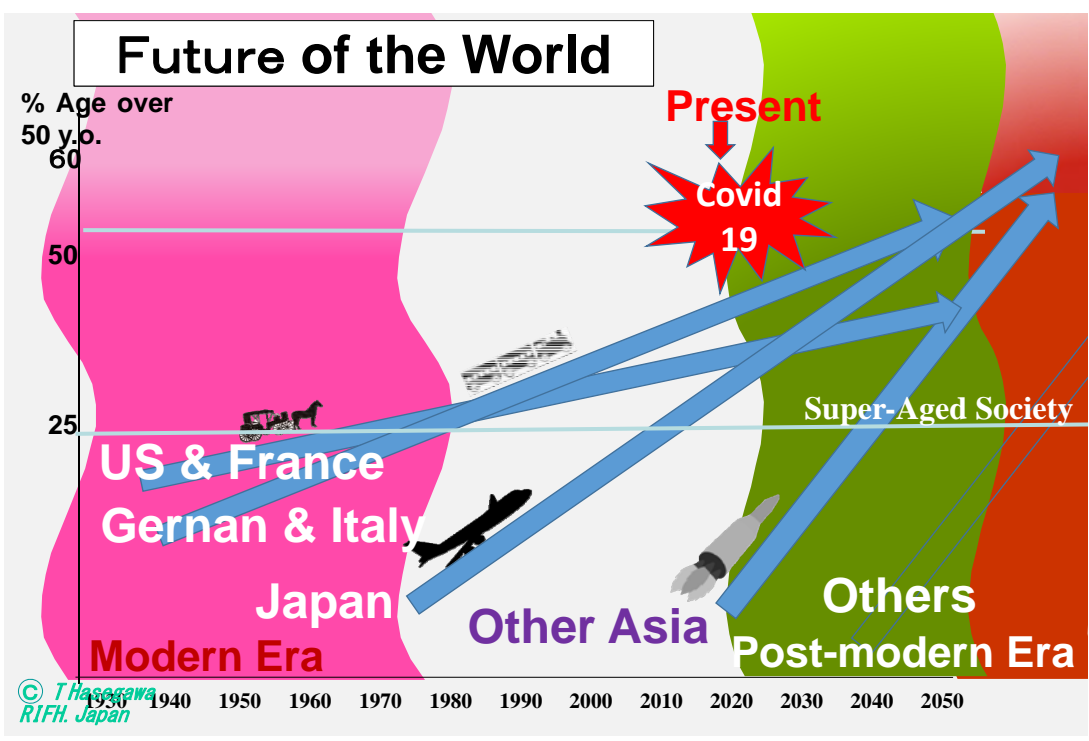
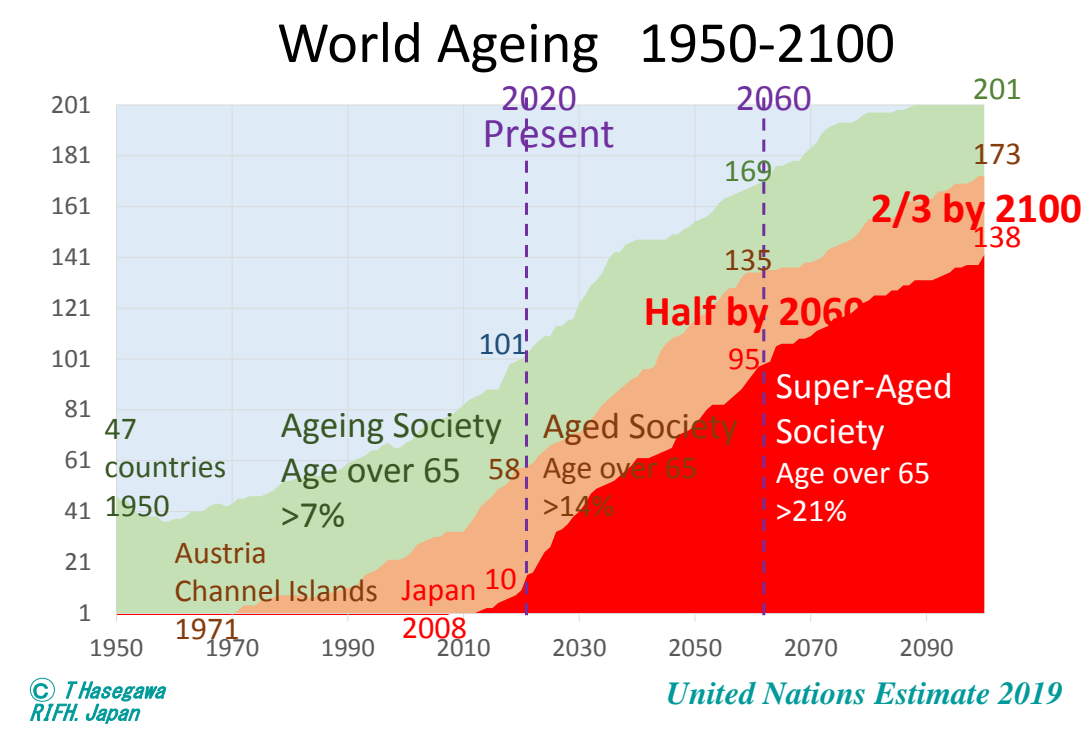
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UN ESTIMATE 2019

Hottest Spot of Ageing in the World Economical Hot Spot as Well



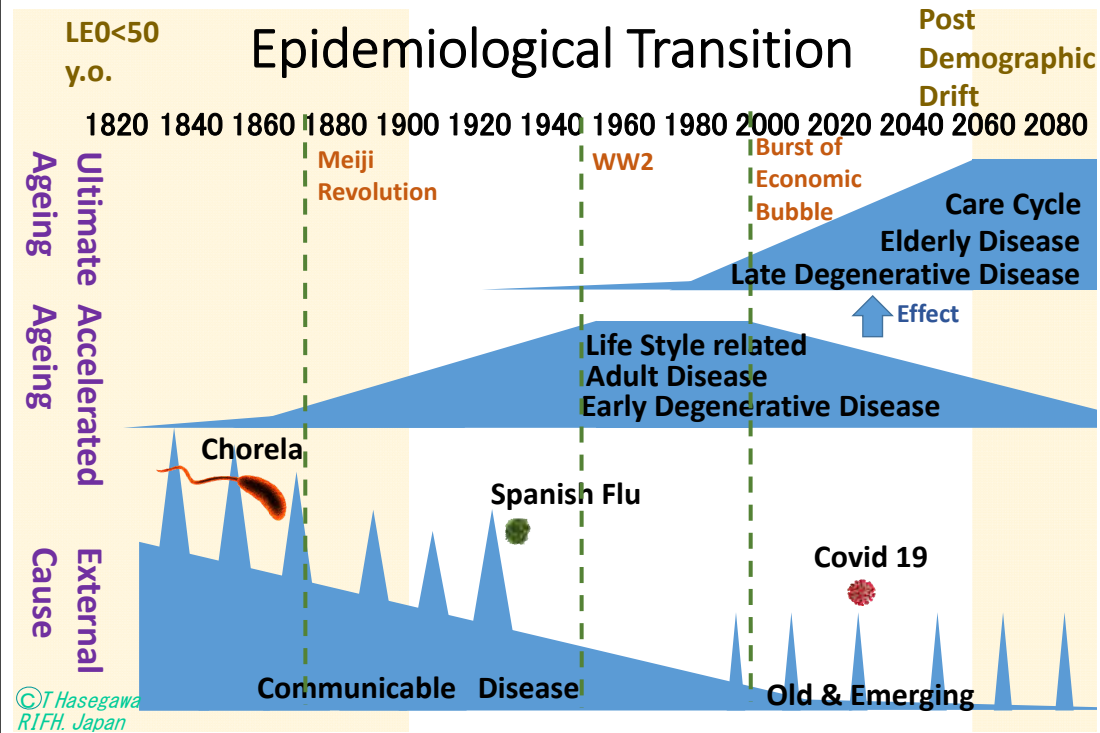
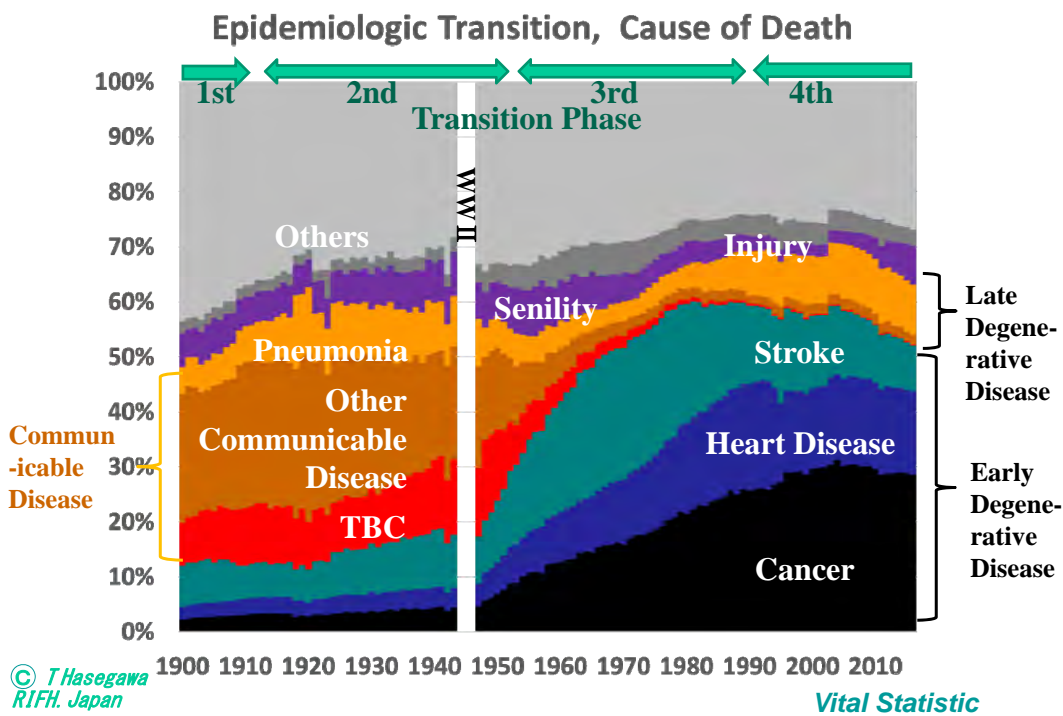
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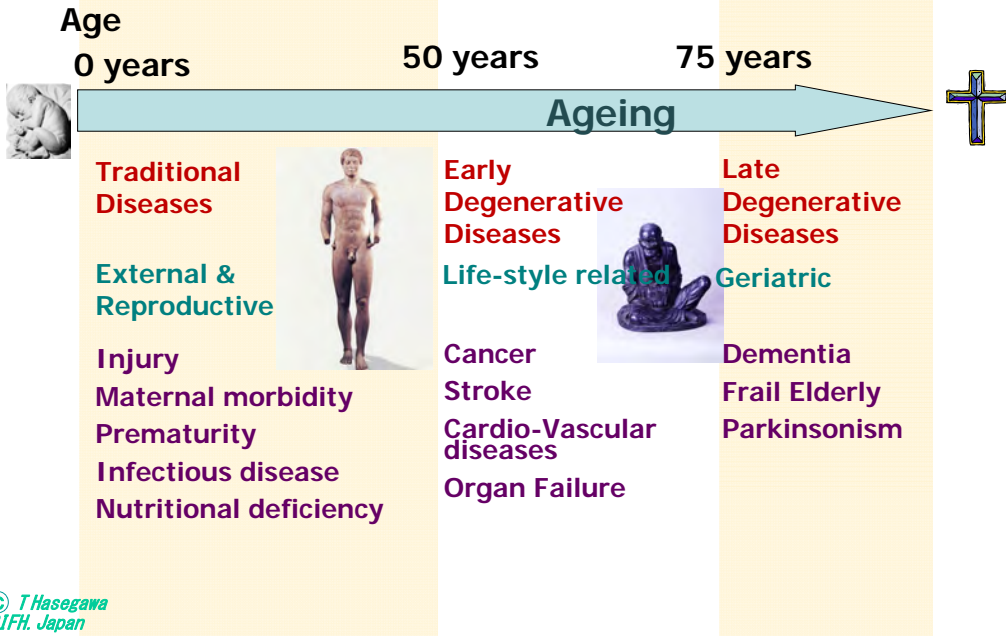
System

Demand

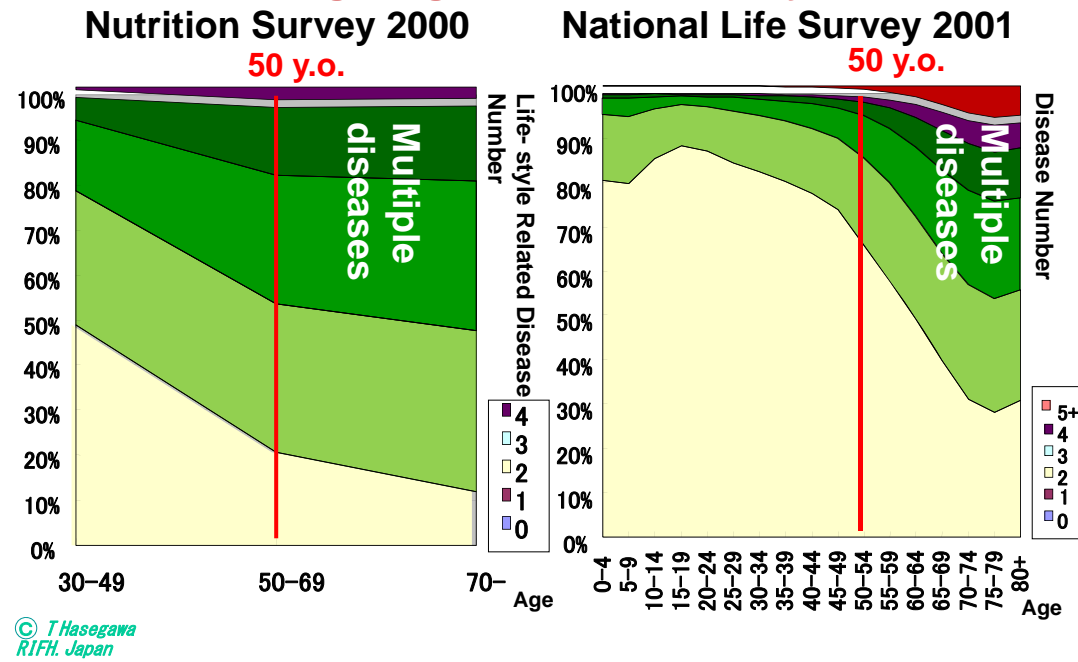
Epidemiological Transition



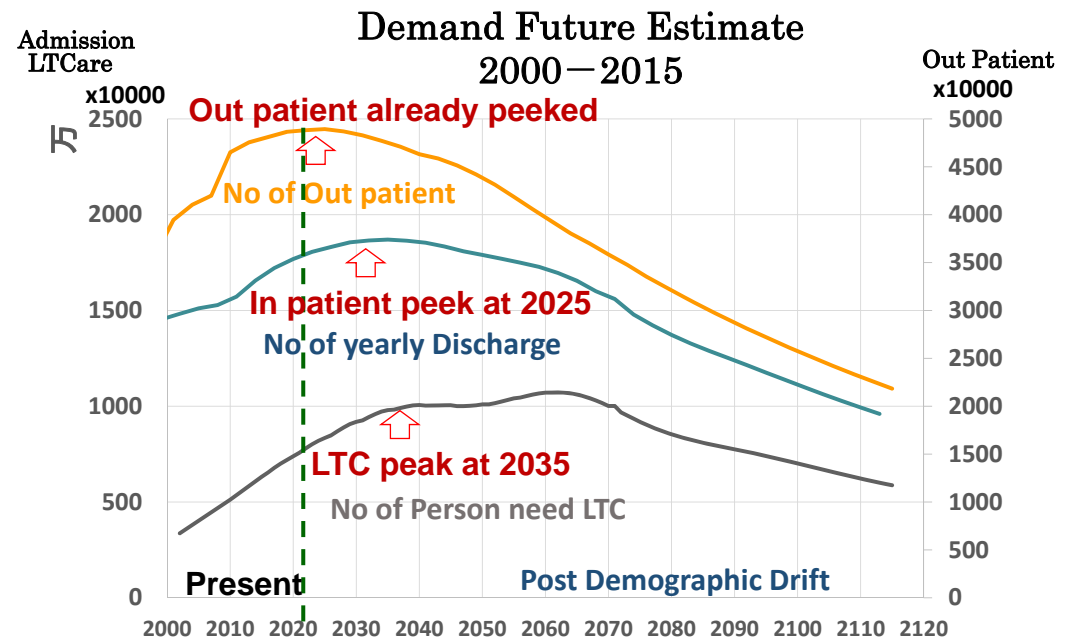
Demand for Health Care by Age



Ageing & Co-morbidity



Age Volume Transition

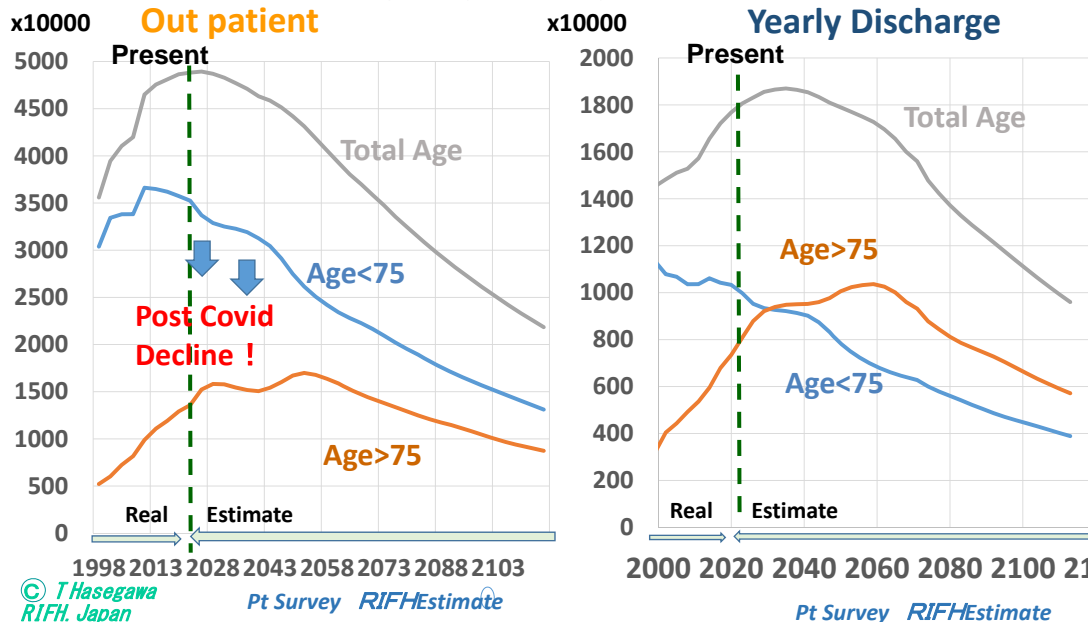


© T Hasegawa RIFH. Japan Calculate using fixed age specific rate multiply population estimate

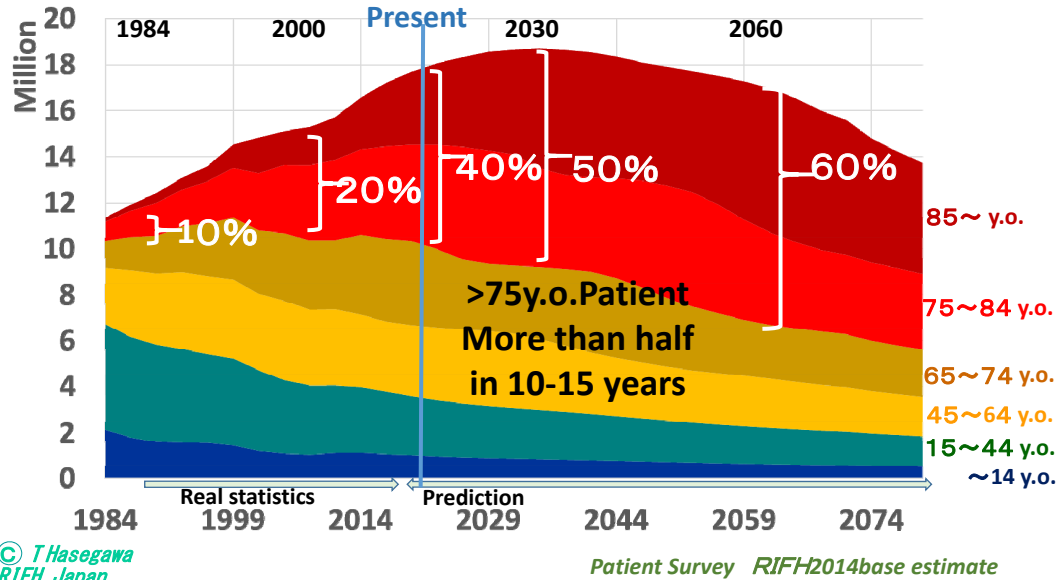
Pt Survey RIFH Estimate

Demand Estimate in 2 Age group

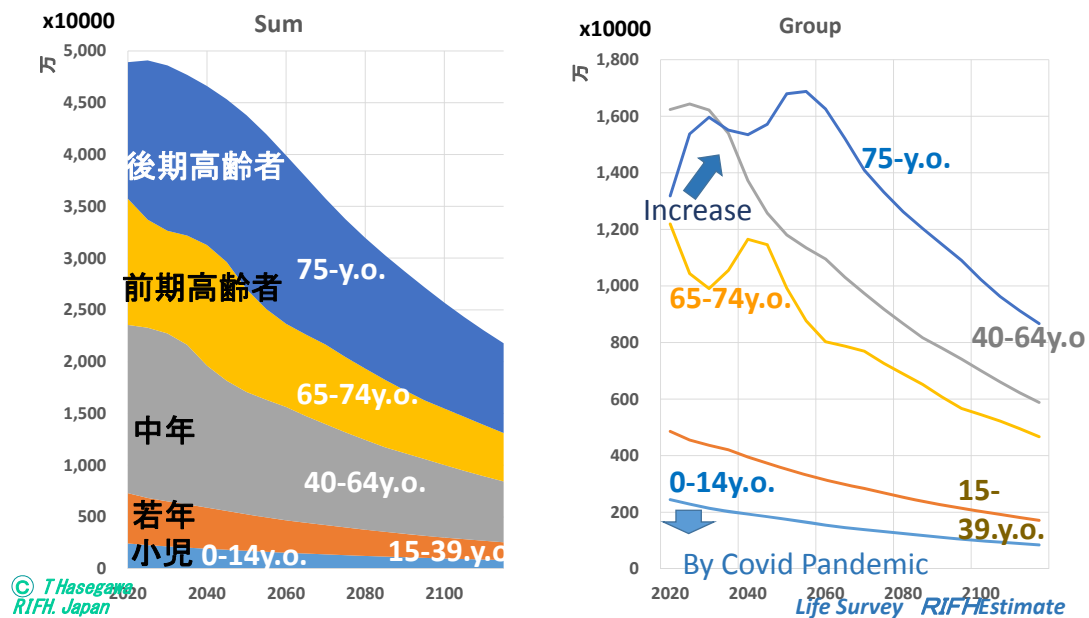
Age>75y.o. & <75y.o.



Annual Discharge Number(Inpatient Demand) Six Age Groups 1984-2080

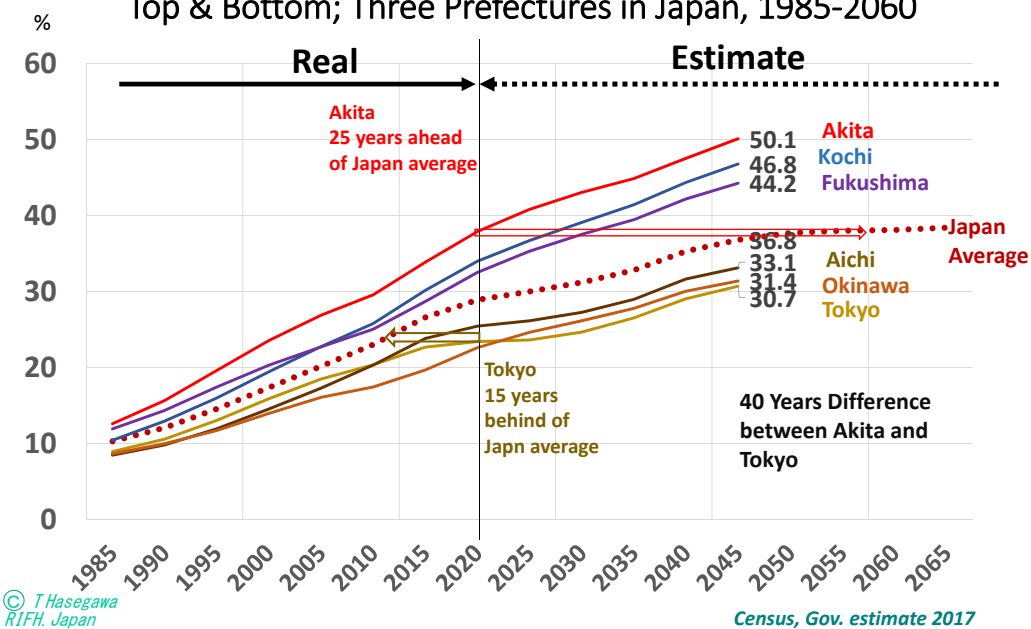


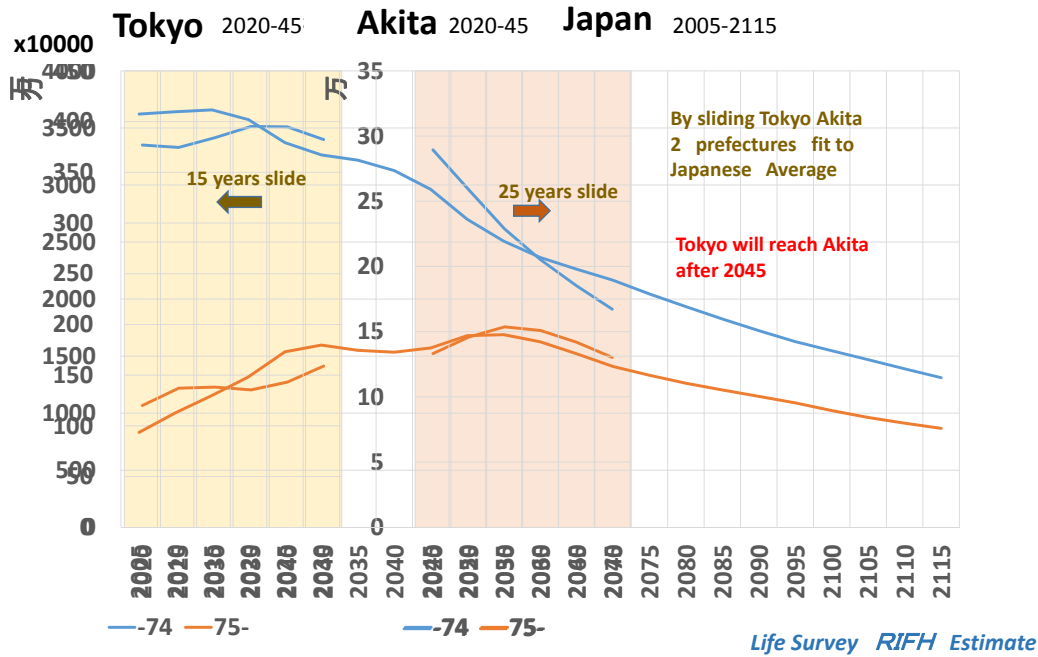
Out Patient Estimate...All Japan Age Group 2020-2115



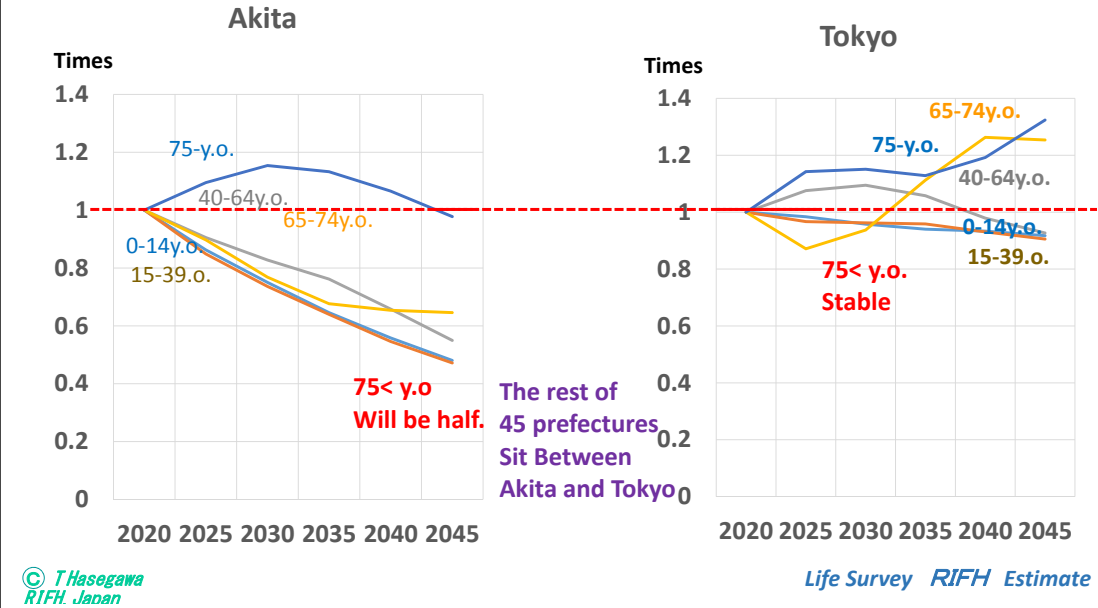
Percentage Age over 65

Top & Bottom; Three Prefectures in Japan, 1985-2060

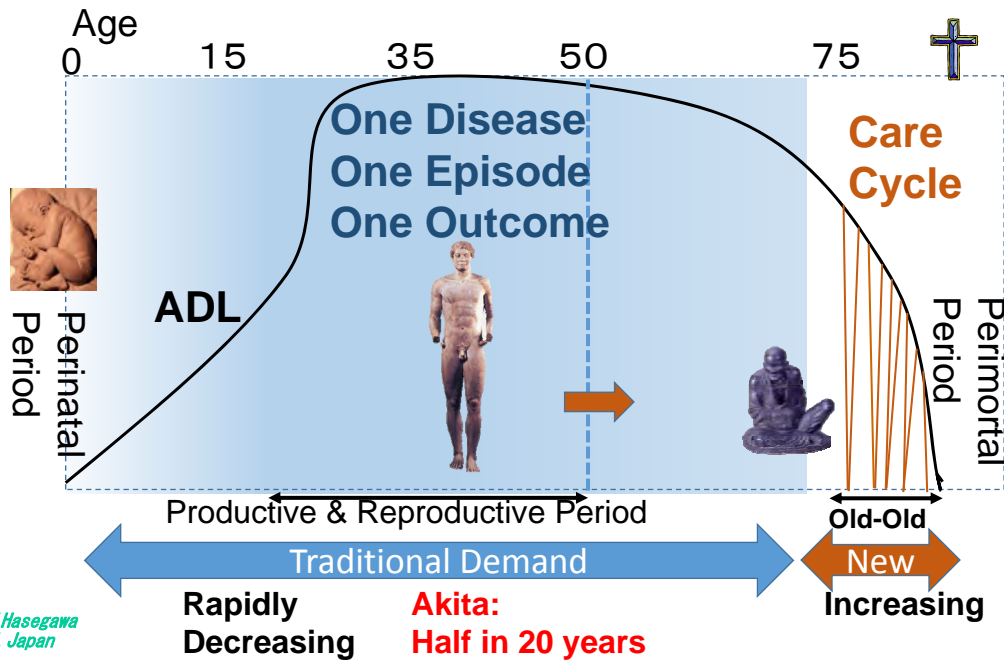




Out Patient Estimate Age Group Estimate 2020-2045

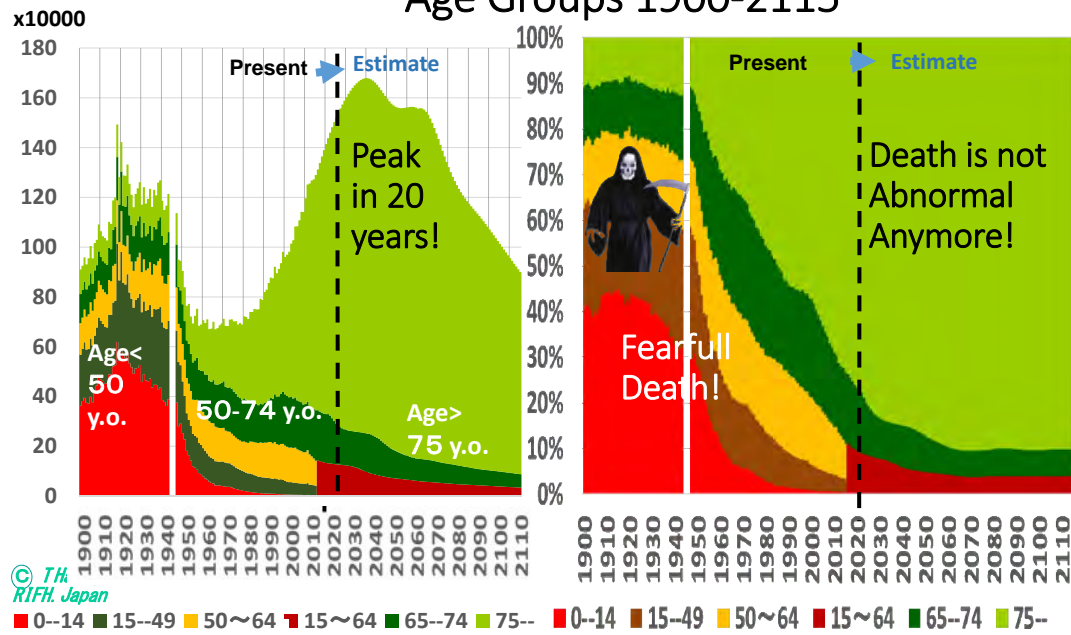


Two Different Health Care Demands



Death Shift

Age Structure of Death Age Groups 1900-2115



Hospital Battlefield Against Abnormal Death

Abnormal Death



Sudden Death
Fearful Death

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Normal Death

Die at Home
Supported by Family
& Friend
In old days

Need to Develop
new skills for
"Normal Death"

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Perimortal Period (like Perinatal Period)

3 Terms of Death

To Care for all 3 Terms
and 3 Aspect of Death
is needed for "Good
Quality of Death "

Premortal Mortal Postmortal

Biological
Death

3 Aspects of Death

Physical
Death

Decline of Physical
Function

Determination
of Death

Corpse
Processing

Psychological
Death

Reflection
on Death

Near Death
Experience

Funeral
Ceremony

Social
Death

Decline of Social
Relationship

Social
Acknowledgement

Management
of Assets

(like WHO definition of Health)

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Supply

Institutional Shift

Medical Practice Style since 19th Century ... Waiting for Patient



Community World



Medical World



Referral
if Needed

Start from
the Question
"What Brought
You Here?"

Going in to Community



Visit



Consultation

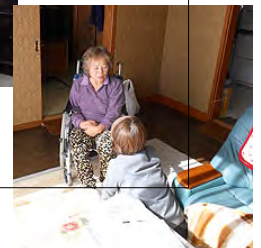


Admission if Needed

Community



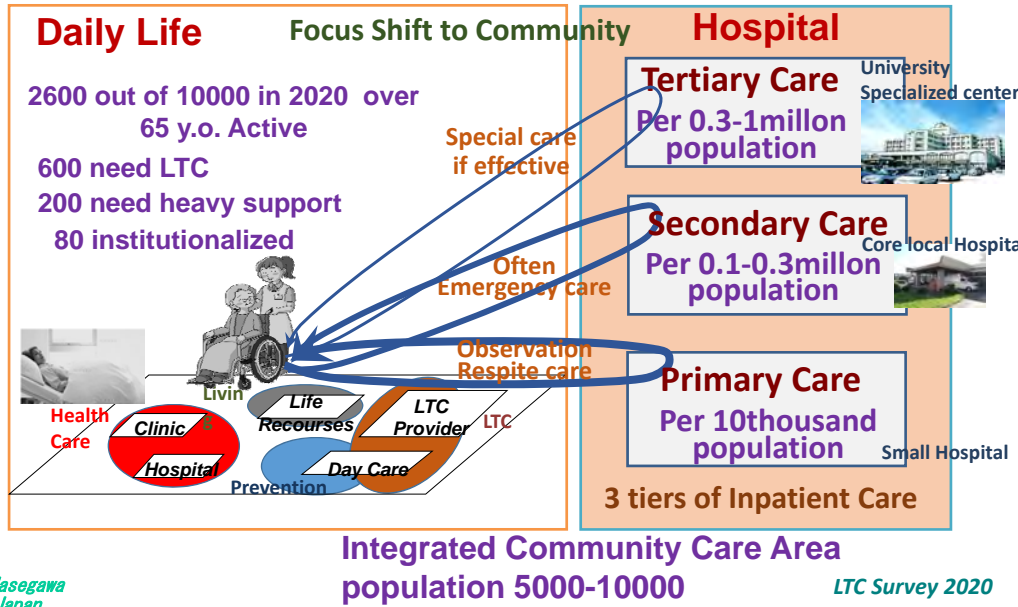
Finish



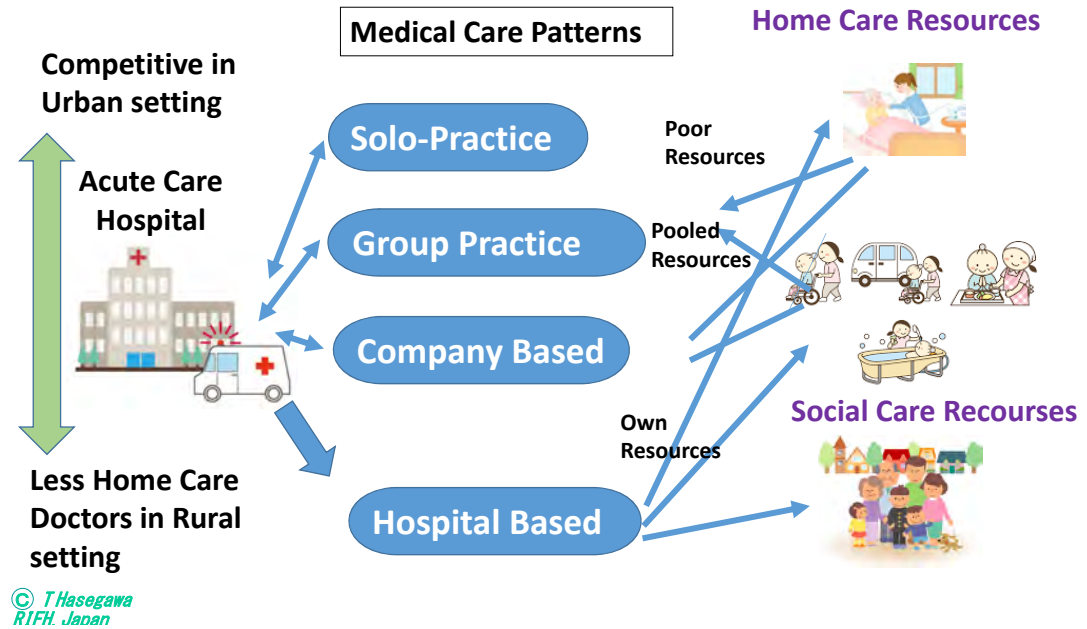
Support at Living Place

Care Circle

Community-Hospital Relationship Shift



Patterns of Institutional Arrangement



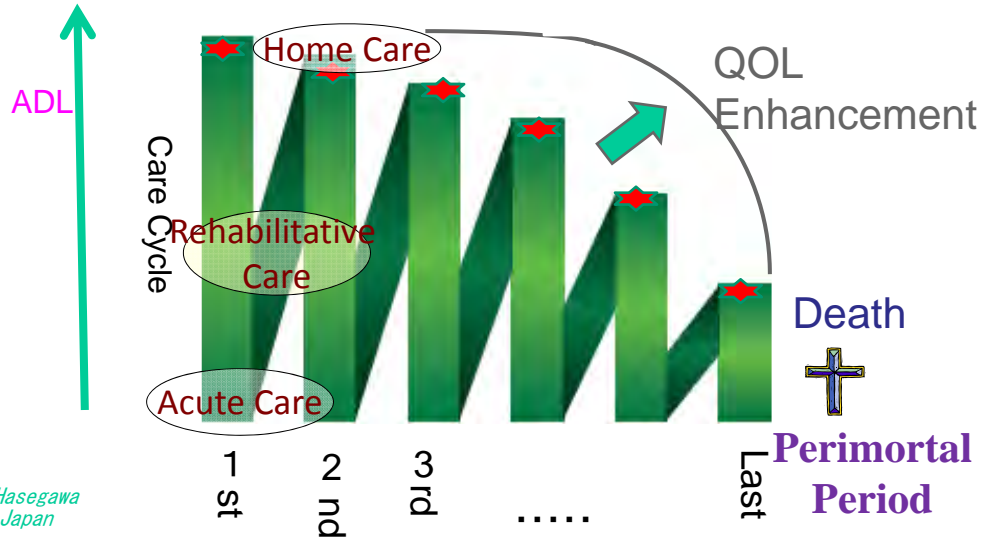
Care Transition

Care Cycle for Elderly

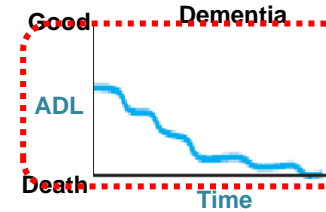
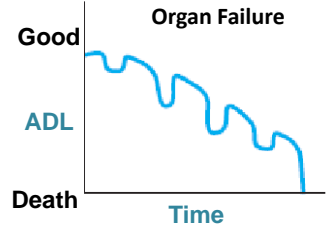
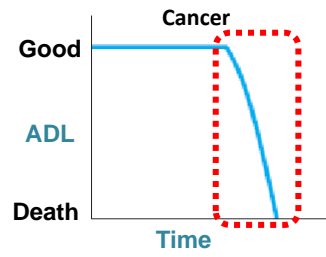
Episode ★

Care Spiral

Follow Life Courses



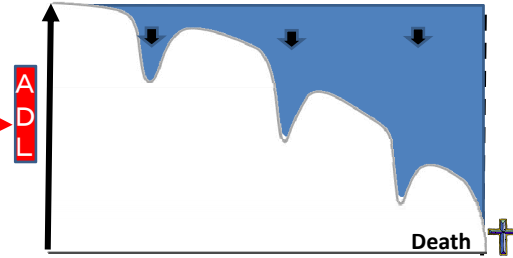
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Enlarged

Care Cycle

Repeated Episodes

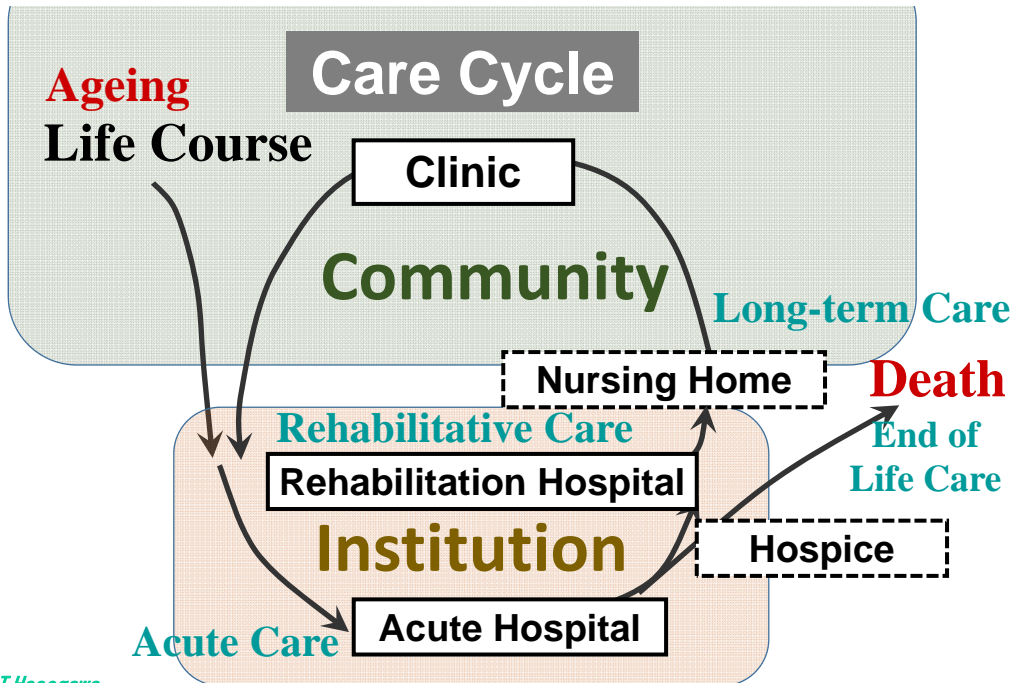


Compressed

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Ageing Life Course

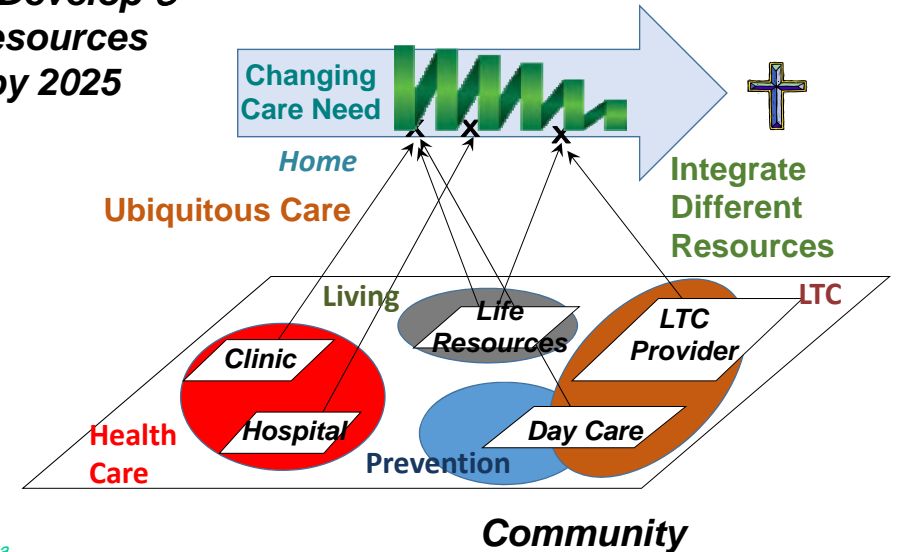
Care Cycle



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Integrated Community Care

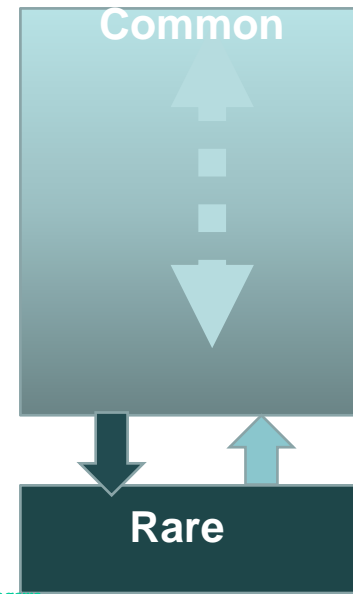
to Develop 5 Resources by 2025



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Care Cycle Extended for All Ages

Shared Feature of Extended Care Cycle to all Ages



Community

Daily Life
Living in Community

Support from Society, School

Institution

Treatment
Specialist Treatment

Disease

Children
Developmental Disorder 10-20%

Young
Stress in Work Place 20-25%

Elderly
LTC needed 15-17%

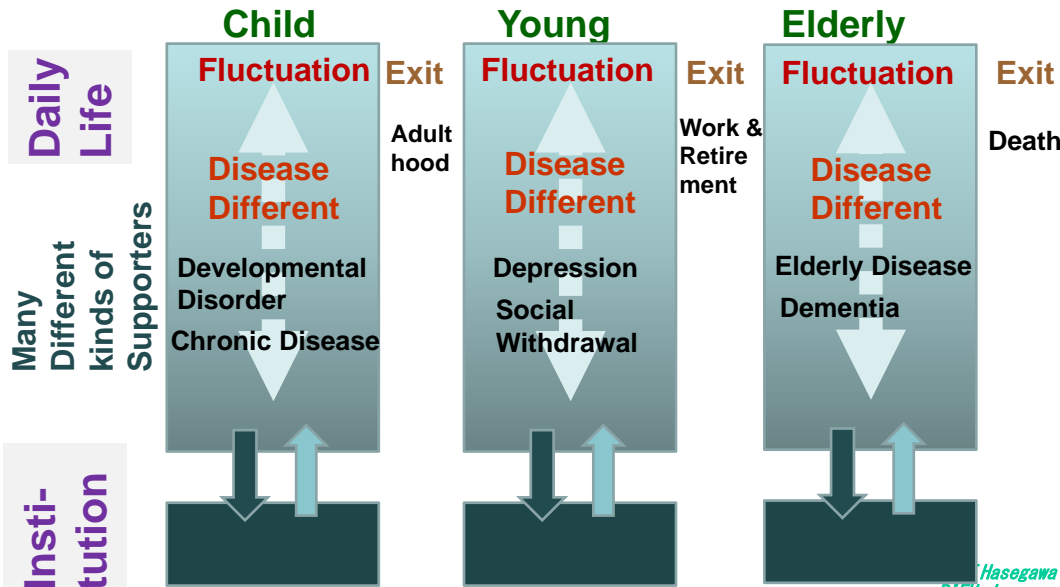
Rare to go to Clinic

Exit

Different In Different Age Group

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Extended Care Cycle Theory ... Similar Pattern to all Age



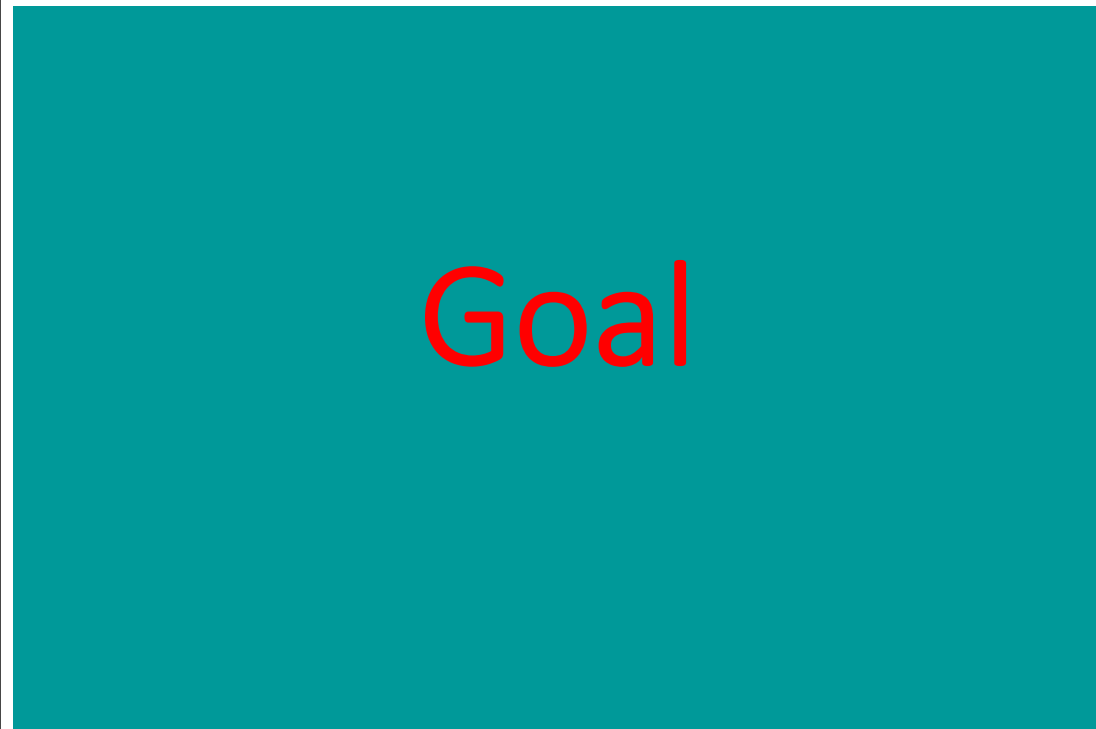
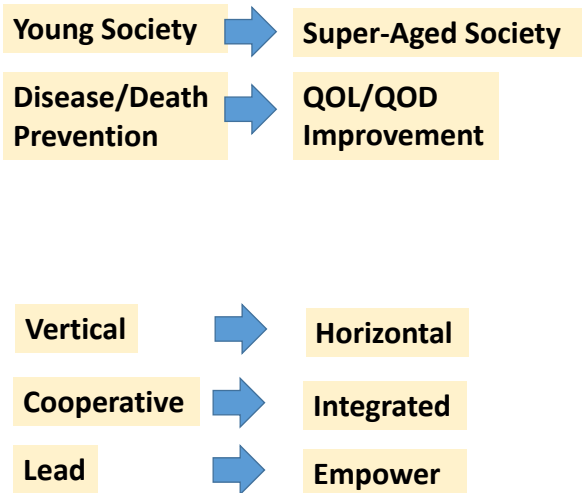
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System Change

System



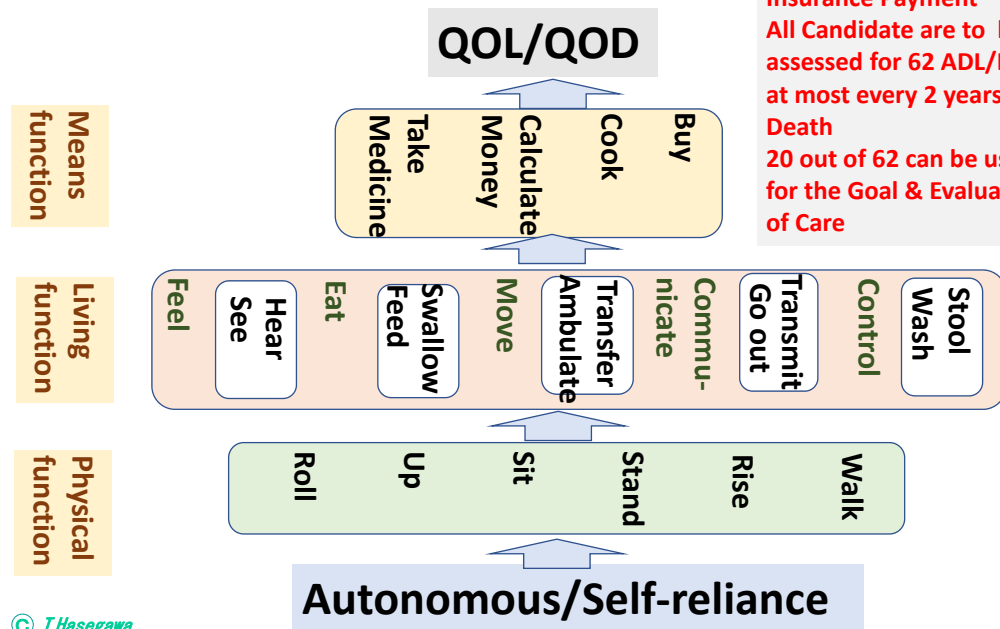
Transition



Major Transitions in Health Care

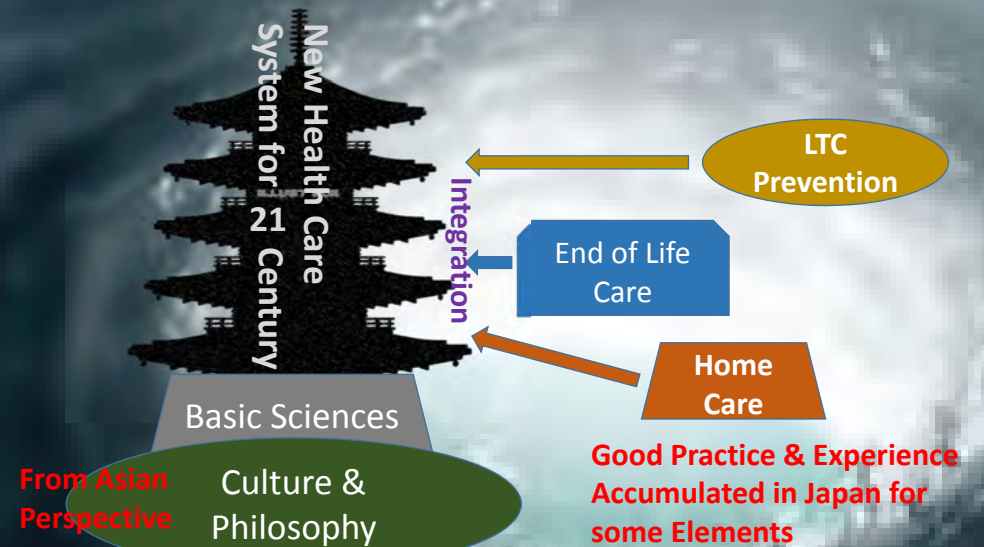
	Late 19th century	21st century
Lifespan	Up to age 50	85 and beyond
Cause of Death	External/reproductive	Aging
Diseases	Single	Multiple
Sequence of events	Single episode	Continuous/circular
Target	Curing diseases/saving lives	Improvement in function/support of life
Objective	Health	Self-reliance
Location	Hospital	Community
Characteristic	Facility-based medical care	Care cycle
Originated in	Germany	Japan/ Asia

Three Layers of 20 ADL/IADL



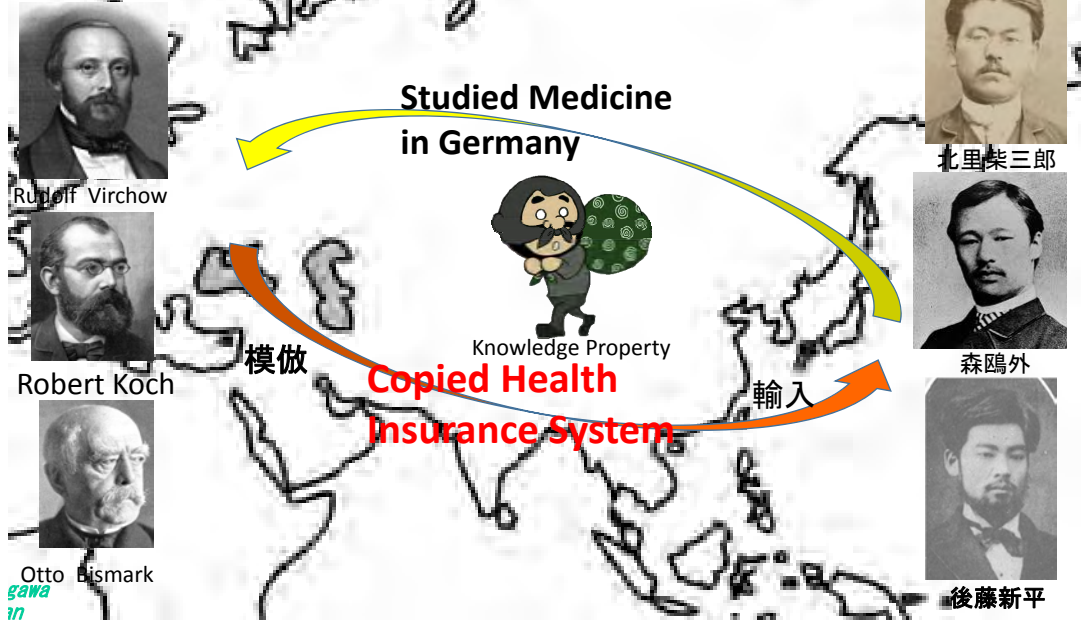
Summary

Integration Needed since Void is Expanding



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Longevity of Germany 37 y.o. around 1850



New Medical Sciences for 21 Century

