

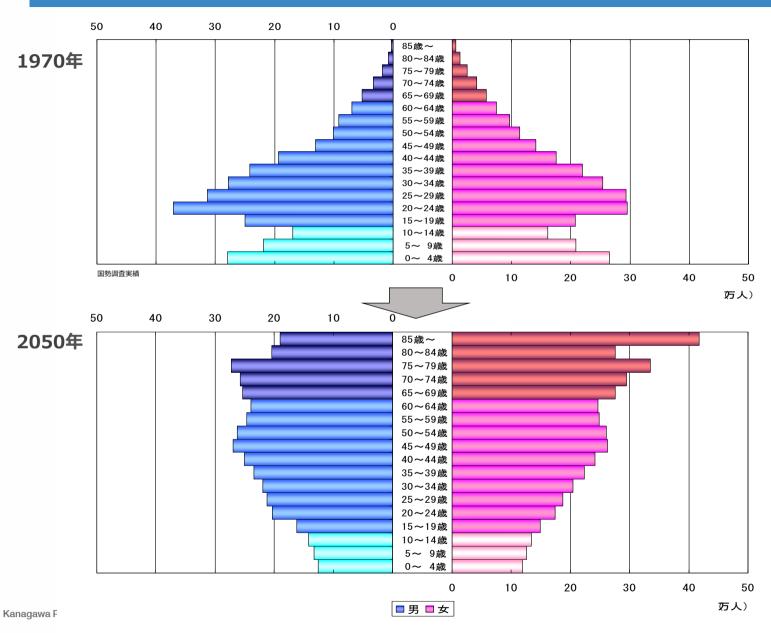
SDGsと神奈川の取組み

~いのち輝く神奈川を目指して~

神奈川県知事 黒岩祐治



超高齢社会の到来



1

未病とは

"Me-Byo " 不病」

The state in-between health and illness

未病とは



病気 Sick

未病とは

健康 Healthy 未 病 ME-BYO 病気 Sick

■ 3つの取組み Three actions

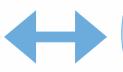
食



栄養・オーラル フレイル

運動

身体活動 ココモ・睡眠



社会参加

交流



ヘルスケア・ニューフロンティアの推進

最先端医療・最新技術の追求

iPS細胞研究



ロボット 医療機器



マイME-BYQカルテ



未病の改善

運動習慣奨励



等

個別化医療の実現

ライフスタイルの見直し

2つのアプローチを融合

健康寿命日本一 新たな市場・産業の創出

製造業

(建設、食品、繊維、化学、医薬品、電機、印刷、諸工業) 158社

小売業

(百貨店、ドラッグ ストア、通販) 24社

サービス業

(スポーツ施設、旅行、 健康管理・改善プログラム、普及啓発、広告) 135社

教育・研究 (大学、研究機関) 74社

未病産業研究会

H30.1.1現在 514社

金融業

(銀行、保険、 不動産、投資会社) 23社 I T・データ (データ解析、ソフト ウェア・システム開発) 81社

介護・医療 (医療機関、介護 施設、健診施設) 19社

Kanagawa Prefectural Government

ITを活用した健康増進「IoHH構想」

" IOHH " Internet of Human Health

シンガポール政府機関とのMOU締結



メリーランド州とのMOU締結



マサチューセッツ州とのMOU締結



GCCとジョンズホプキンス大学・病院とのMOU締結



GCCと米国退役軍人省(VA)パロアルト・ ヘルスケアシステムとのMOU締結



GCCとフランス政府機関CTV-SudとのMOU締結



ドイツ・バーデンビュルテンベルク州との 友好交流に関する覚書の締結



フィンランド・オウル市とのMOU締結



イギリス・セルセラピー・カタパルトとのMOU締結



スタンフォード大学医学部とのMOU締結



ME-BYOサミット神奈川2017in箱根H29.10.20~21 湯本富士屋ホテル

Moderator:

Prof. Kan Suzuki

Panelists:

Mr. Seiichi Kiso

Prof. Jiro Kokuryo

Dr. Sarah Louise Barber Prof. Vish V. Krishnan



WHO訪問 マーガレット・チャン事務局長との会談(H28.10.21)



ネイチャー誌への掲載



SPOTLIGHT ON KANAGAWA

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SPOTLIGHT ON KANAGAWA

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Transforming healthcare based on ME-BYO

The Kanagawa prefectural government is accelerating advances in healthcare through academia-industry-government collaborations rocted in THE ME-BYO CONCEPT — a unique response to Japan's aging society.

By 2050, Japan is projected to have the highest proportion of centenarians in the world Kanagawa, southwest of Tokyo and home to 91 million people is one of the fastest aging efectures in the country To lead the way in tackling

challenges posed by this Chinese medicine, MF-BYO THE TOTAL NUMBER OF change, the Kanagawa prefectural government is unveiling new strategies of the Healthcare New Frontier (HCNF) policy package. "Medical technologies alone

will not be enough to address population," says prefectural governor, Yuji Kuroiwa. "So it's imperative to drive advances n healthcare at the societal level, to help people of all ages improve our health on a day-to-day basis."

RESEARCHERS
IN KANAGAWA
ACTUALLY
EXCEEDS THAT
OF TOKYO refers to the continuum between health and sickness.

To propel this change

Kanagawa prefecture has been

omoting numerous projects

based on the 'ME-BYO' concept

Derived from the Japanese word

disease") which has its roots

"Everybody is somewhere on the ME-BYO gradation scale," explains Kuroiwa. "Our approach is a paradigm shift away from the duelistic healthy-or-sick mode of

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thought, as experience shows distinctions." The term was tented in 2015 and ME-BYO was officially included in policy in February 2017.

monitor their ME-BYO status. the wider goal is to develop technologies and practices (relating, for example, to diet) that may help prevent or delay extend healthy longevity.

BIOMEDICAL HUB As part of the HCNF policy, Kanagawa is invigorating research and development of life science-related businesses

the prefectural governme established the Life Innovation

Tokyo area.

through its activities in three

omprehensive Special Zone

for International Comprehensis Competitiveness Development,

(where leading companie

such as Johnson & Johnson

International Airport): the

already have bases near Hanoda

Sagami Robotic Industry Special

Zone (where life-supporting robots are being developed and

trained); and Kanagawa itself, which is part of the National

Strategic Special Zone for the

In Tonomachi, Kawasaki

City, located within the Life

nnovation Special Zone.

in Keihin Coastal Areas

icial zones: the Life Innovation







public and private partnership. Dedicated to advancing the industrialization of regenerative and cellular medicine, the LIC houses inclustries from startups to major companies that conduct various research and development. It provides an advanced research year Master of Public Health have access to shared equipment for cell analysis and

Kuroiwa says many incentives exist for companies to establish bases in Kanagawa, including subsidies. financing totalling up to JPX1 and ground-level support.

other regenerative activities.

INSPIRING THE NEXT GENERATION OF HEALTH PROFESSIONALS

Set to open in 2019, the Health Innovation School is a graduate school that will become part of the Kanagawa University of Human Services Through a planned two-

programme, the Health Innovation School will enable graduates to acquire skills in areas including data science. regenerative medicine, health technology and social systems. An English curriculum will be available for international students. "As aging is a global issue,

people who come to Kanagawa will find that what they learn

A GLOBAL OUTLOOK Looking ahead, Kurniwa

technological breakthrough of Human Health, Fourioning omes with sensors designed to monitor health and well-being ould in future provide valuab data, which may be integrated into personalized ME-BYO clinical records.

International collaboration, se says, is vital for developing evidence-pased approaches and promoting understanding of the ME-BYO model. To this end, the first ME-BYO summit was held in 2015. A total of 310 delegates ttended the summit, including representatives from the World lealth Organization, the US National Institutes of Health and he Harvard School of Public Health, An official declaration fintent was signed at this summit. The second summit October 2017, centred on the theme of 'calibrating ME-BYO

Kuroiwa also has plans rther afield. He is building elationships with organizations University, Stanford University and the UK's Cell and Gene Therapy Catapult, as well as governmental and municipal

bodies in Asia and Europe. important though is the blend of traditional and new thinking. "Japan is already at the forefront of high-quality medical research and access to medical services," he says. "By docking cutting-edge technologies with the ME-BYO concept, we aim to confront the biggest challenges of today and tomorrow."



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here will be relevant to the

future of their home countries,

those interested in facing this

Put simply, he continues,

Kanagawa is a m'crocosm of

anan. Not only does it contain

historical sites of interest such

as Kamakura and the popular

and Kawasaki, but it also has

mountains, hot springs and

the 2020 Summer Olympics.

research environment, we are

total number of researchers

that of Tokyo."

in Kanagawa actually exceeds

beaches - the famous Shonan

area will be the sailing venue for

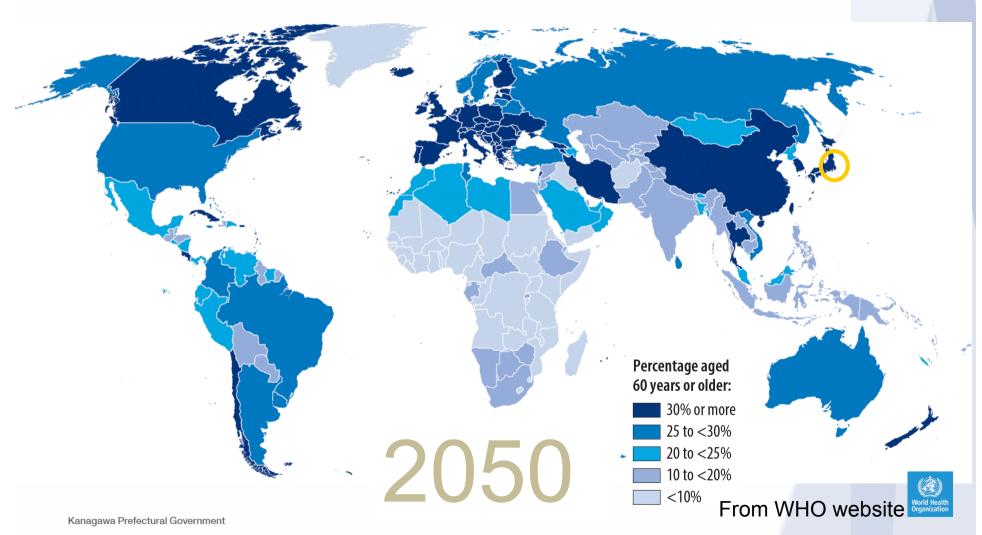
urban areas of Yokohama

challenge together."

says Kuroiwa. "We welcome all

Nature Vol552,No7685,Dec 21/28,2017 掲載

Populations are getting older all over the world.



いのち輝く神奈川



持続可能な開発目標(SDGs)

SUSTAINABLE GALS DEVELOPMENT GALS

世界を変えるための17の目標





























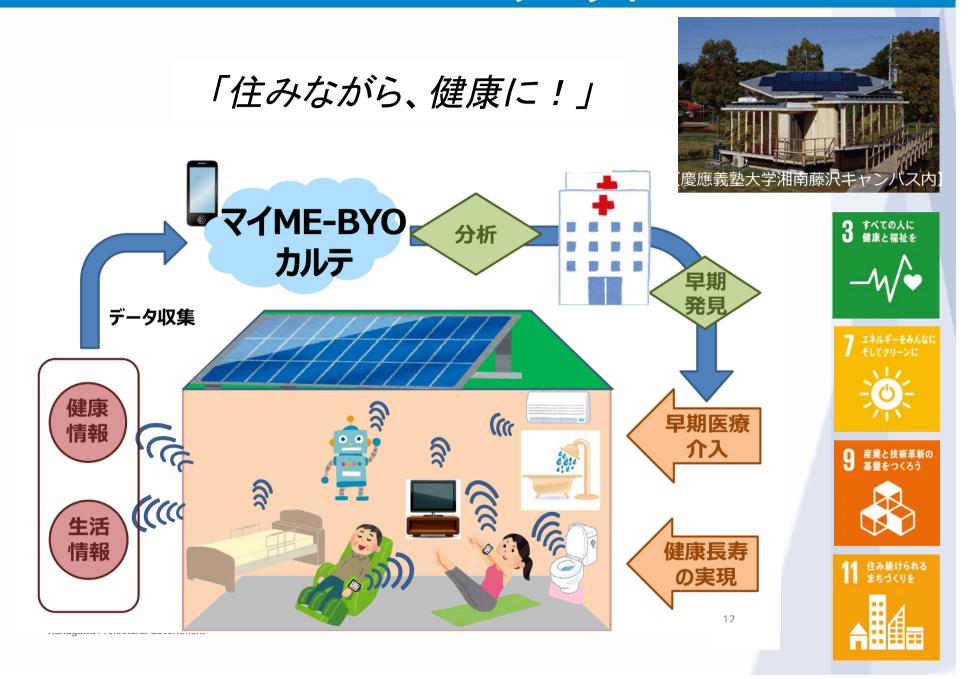








ME-BYOハウスラボ



IoTと連携された家「IoTスマートホーム™」



ME-BYOサミット神奈川2017in箱根





ご清聴ありがとうございました。