





# Regional Information: **Industrial Cluster Information** Life Science

# (12) Tottori

Boasts western Japan's largest cluster of electronic devices and ICT equipment firms.

# (13) Hiroshima

Japan's top manufacturing technology has been aggregated, and there have been vigorous efforts to create new industries in advanced medical care and welfare.

### Sakai city

Leading companies with excellent environmental technologies have been locating Sakai's coastal area.

In addition to the leading companies producing steel, machinery and electronic component materials, Sakai is also home to SMEs with special processing technologies.

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High-level carbon-fiber- and titaniumprocessing technologies are applied to automobile and medical equipment manufacturing. The oceanfront region has a cluster of chemical industries and pharmaceutical companies.

### 10 Shiga

A project that develops medical/healthcare devices, and creates local businesses of health support services utilizing the devices.

# ®Toyama

There is a cluster of healthcarerelated industries such as Eisai.

<sup>18</sup>Hyogo Healthcare and pharmaceuticalrelated companies and R&D centers are located at Kobe Medical Industrial City, there are also many new energy-relalated projects.

# Okayama city

The number of medical facilities in the city is among the largest in Japan, and the region has high potential for medical-related industries.

There are many bases of food industries capitalizing on quality agricultural and fisheries resources that are well-known throughout Japan.

# Osaka city

There is a concentration of pharmaceutical, food and medical equipment companies.

Aggregation of healthcare industries and food industries

### Niigata

·Bio Research Park Plan

<Niigata City as a capital of Food

•From a cluster of Food industries to "General Base for Food industries"

Niigata city

industries>

Beverage manufacturers, Health related products

**Kyoto city** A diversity of industries, from traditional industries to state-of-the-art technology industries, has converged in the city.

### Kyoto

Clusters of content software development companies with a range of state-of-theart technologies.

Toyohashi city

It is suitable for the establishment of

industry, as Komaki-Minami factory of

Mitsubishi Regional Jet's (MRJ) final

assembly factory, and the aviation

experiment base of JAXA locate in

There is a cluster of healthcare-related

industries such as Eisai.

enterprises such as the aerospace

Mitsubishi Heavy Industry, the

Kitanagoya city

neighboring areas.

A domestic leading agricultural area

### Sapporo city

Cool climate and abundant resources

### Sendai city

IT and service companies in the health and welfare field based at Sendai-Finland Wellbeing Center have accumulated.

1 Fukushima One of the country's major "prefectures producing medical devices". Manufacturing bases of major medical devices companies and related small and medium-sized enterprises have accumulated here.

It is working on the development of the state of the art technology helped by academy, industry and government collaboration, such as National Institute of Advanced Industrial Science and Technology(AIST)

Fukushima is working on the concentration of robot industry which has potential in disaster response, medical care, agriculture and phisical distribution.

# Fukuoka

The concentration of biotech-related companies, universities and public testing research institutes combine to form one of Japan's premier "bio-clusters."

Japan Cosmetic Center has been established in Karatsu. The city promotes the accumulation of

Establishment of a hub of industry-academiagovernment collaborations specialized in functional health food development

# 17 Kumamoto

Life sciences field with top global research level

Matsuyama city

among university, the prefecture, the city, the

Japan Committee for Economic Development.

Chamber of Commerce and Industry and

Kumamoto city CO-OP FOODS CO.,LTD.

# ②Gunma

Aggregation of healthcare industries and food industries

Companies involved in biotechnology, medical care, welfare, and health services are located at international R&D sites such as Kazusa.

# Koriyama city

Fukushima Renewable Energy Institute, AIST was established and there are collaborations with many companies on renewable energy.

Fukushima city

"Advanced Clinical Research Center"

enables collaborative research using

in Fukushima Medical University

the latest clinical/small in vivo

imaging devices for animals.

Fukushima Medical Device Development Support Centre, comprehensively supporting medical device businesses from development to commercialization, was opened.

Leading medical device companies and technologically innovative SMEs based in Tochigi have come together to establish the Tochigi Medical Device Industry Promotion Association.

# 4 Saitama

Saitama ranks 1st in shipments of the pharmaceutical products in Japan. Manufacturers of medical equipment with R&D capabilities have contributed to the medical technology improvement.

### Saitama city There has been a growing concentration

of life science R&D sites and manufacturer marketing locations in the city.

#### 14)Ehime An industrial prefecture that is home to

major companies in basic material sectors (pulp, non-ferrous metals, chemicals, high-function fibers)

A base for a research on cell-free protein synthesizing technology, etc. in a scheme of industry-academia-government collaboration

### 6 Nagano Nagano Prefecture boasts one of Japan's

largest clusters of companies engaged in basic manufacturing technology, such as parts with advanced functions and advanced processing.

# Kanagawa

Japan's 5th largest clustering of biotech industry ventures.

# Kawasaki city

Develop a base for strengthening an international competitiveness in field of life science, which is a driving force of Japan's economy by using the industrial cluster of the Keihin coastal area.

# Yokohama city

Establishment of a hub for industries through accumulating companies, universities, and research institutes in Yokohama Science Frontier in Keihin water front area.

# Sagamihara city

A succession of major companies excelling in the fuel cell and aerospace sectors have moved into Sagamihara city.

# 15 Miyazaki

The eastern Kyushu region is the country's leading base of blood and blood vesselrelated medical equipment industries.

Miyazaki, a production base blessed with rich agricultural resources, makes it possible to expand businesses that have direct links to the production place.

# 11)Mie

The prefecture has developed medical valley initiatives since 2002 and is currently designated as a Special Zone for Mie Life Innovation by the government to promote medical and welfare industries in the prefecture.

Support for the establishment of Asian production bases of foreign-affiliated companies with advanced technologies

# (16) Shizuoka

(5) Yamanashi

A cluster of medical equipment

manufacturing and related industries.

With the aim of achieving the best health and longevity in the world, Shizuoka is pushing ahead with world-class R&D from medical care to the wellness industry.

New functional food products are created by the fusion of Food and Medicine.

# Shizuoka city

Food, pharmaceutical and chemical companies have agglomerated. Research in the food science business is booming.





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