



ALL-HIROSHIMA

# Hiroshima International Council for Health Care of the Radiation-exposed (HICARE)



# From Hiroshima to the World



After the actual damage of Chernobyl accident was clarified, HICARE was established in 1991 through the initiative of Hiroshima medical and research institutions involved in the provision of medical support for A-bomb survivors, and the cooperation of the City and Prefecture of Hiroshima.

Through HICARE, medical experts in Hiroshima have built a network with medical and research institutions around the world so as to disseminate the knowledge on the treatment and study of exposure to radiation through training programs, seminars and international symposiums.

Moreover, HICARE collaborate with international organizations to strive to further contribute to medical care for radiation-exposed individuals.

—— Hoping that Hiroshima can contribute even more to the world ——



## Vision of HICARE

Promoting new international contributions  
in cooperation with  
international organizations from ALL-HIROSHIMA

I

Developing  
international  
human resources  
and disseminating  
information on  
medical care for  
radiation-exposed  
individuals

II

Establishing  
a network with  
the International  
Atomic Energy  
Agency (IAEA)

III

Fostering  
successors  
who support  
Hiroshima



## ■ Purpose

The purpose of HICARE is to contribute to medical care for radiation exposed individuals around the world by making the use of the expertise in treating A-bomb survivors and research on the effects of A-bomb radiation, both of which have been accumulated in Hiroshima, which suffered the tragedy of the atomic bombing for the first time in human history.

## ■ Organization

### Hiroshima International Council for Health Care of the Radiation-exposed (HICARE)

Hiroshima-based consortium comprising eight organizations engaged in medicine and research of A-bomb radiation and two administrative organs



## ■ Project Fields

- Effect of Radiation on the Human Body
- Medical Response for Radiation Accidents and Disasters
- Advanced Radiation Therapy
- Medical Support for Survivors of Hiroshima and Nagasaki Atomic Bombings Living Outside Japan

# HICARE Projects

## 1 Acceptance of Physicians and Other Medical Personnel for Training

HICARE provides training programs to physicians and other medical personnel from overseas to share the knowledge and experience in medical care for the A-bomb survivors that Hiroshima has accumulated, so that the participants can use them for medical care for the radiation-exposed in affected areas around the world. Besides hosting such programs independently and co-hosting with the International Atomic Energy Agency (IAEA), HICARE collaborates with other organizations to provide training, including the Japan International Cooperation Agency (JICA).

### ■ Status of Participants Acceptance

- HICARE participants 22 countries, 580 participants
  - HICARE/IAEA participants 26 countries, 191 participants
  - Others 979 participants
- Total 37 countries, 1,750 participants (as of March, 2020)

### ■ Institutes Providing Training

Hiroshima University Hospital  
Hiroshima University Research Institute for Radiation Biology and Medicine  
Radiation Effects Research Foundation  
Hiroshima Atomic Bomb Casualty Council  
Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital  
Hiroshima A-bomb Survivors Relief Foundation, others



### ■ Training Contents

Health Effects of Radiation  
Health Care for A-bomb Survivors  
Medical Treatment for Radiation Accidents and Disasters  
Support Measures for A-bomb Survivors  
Visit to Hiroshima Peace Memorial Museum  
Visit to Hiroshima Red Cross Hospital & Atomic-bomb Survivors Hospital  
Visit to the Nursing Home for A-bomb Survivors





## 2 Dispatch of Physicians and Other Medical Personnel

HICARE sends physicians and other medical personnel to radiation-affected areas around the world to provide technical guidance and information on medical care for the radiation-exposed.

In addition, HICARE holds training meetings to physicians and other medical personnel in countries where survivors of the Hiroshima and Nagasaki atomic bombings live.

### ■ Status of Dispatch

- HICARE has sent 201 experts to 16 countries in Europe including Russia and Kazakhstan, Asia, North America, and Central/South America. (as of March, 2020)
- In Japan, following the criticality accident at the Tokaimura nuclear facility in 1999 and the Fukushima Daiichi Nuclear Power Plant accident triggered by the Great East Japan Earthquake in 2011, HICARE dispatched a team of medical personnel including physicians, nurses, and radiological technicians in order to measure radiation levels of the local residents.
- As ALL-HIROSHIMA projects, the constituent organizations of HICARE continually send experts to Fukushima to provide medical support, taking advantage of their respective characteristics.



### ■ Purpose of Dispatch

- Technical guidance  
Chernobyl, Belarus, Kazakhstan, Fukushima Prefecture
- Attendance at international conferences  
Conferences related to the Chernobyl nuclear power plant accident, Radiation Emergency Medical Preparedness and Assistance Network (WHO REMPAN) meetings, the IAEA international conferences, etc.
- Training meetings on medical care for A-bomb survivors living outside Japan  
Brazil (Sao Paulo, Curitiba), United States (Los Angeles, San Francisco, Seattle, Honolulu), South Korea, etc.



## 3 Enlightening the Public

HICARE carries out various activities to enlighten the public about the significance and necessity of promoting international cooperation in medical care for the radiation-exposed.

### ■ Lectures and Seminars

Major examples

- International symposium (15 years, 20 years, and 25 years since establishment of HICARE, 50 years and 70 years since the atomic bombings)
- Lecture meetings on Chernobyl and Semipalatinsk
- Symposium on medical response to radiation emergencies
- Reporting session about training meetings on medical care for A-bomb survivors held outside Japan
- Lecture for the public to share knowledge about radiation
- Ceremony and seminar commemorating HICARE's designation as an IAEA Collaborating Centre



### ■ Publishing Projects

In 1992, HICARE published “Effects of A-bomb Radiation on the Human Body.” This medical book is the culmination of the wisdom of medical care for A-bomb survivors in Hiroshima and Nagasaki. Subsequent to that, with the progress in studying the late effects of A-bomb radiation, HICARE published second edition in 2012, adding new findings and study results.

In 2017, HICARE released “Handbook on Effects of A-bomb Radiation,” an abridged edition in digital form compiled based on the latest study results.



◀ Visit HICARE's website for details.

HICARE





## 4 New Developments

With the aim of making further international contributions, HICARE is promoting cooperation with the IAEA, and is also engaged in fostering human resources of the next generation.

### ■ Collaboration with the IAEA

On August 6, 2010, HICARE signed Practical Arrangements with the IAEA to contribute to international peace and stability. In May 2014, HICARE was designated as an IAEA Collaborating Centre in the field of “Capacity Building in Radiation Effects and Human Health.”

●HICARE collaborates with the IAEA for international medical training and joint research in the following three fields:

- Effect of Radiation on the Human Body
- Medical Response for Radiation Accidents and Disasters
- Advanced Radiation Therapy

●HICARE provides training as part of the IAEA's technical cooperation program.

At the request of the IAEA (the late Director General Yukiya Amano), HICARE provides training, as part of the IAEA's program, to radiation therapy teams from developing countries to improve cancer treatment in their countries.



### ■ Developing of Next-generation Human Resources

●Medical student internships at the IAEA

HICARE sends medical students to the IAEA as interns to foster globally minded human resources who will inherit and further develop the expertise in medical care for A-bomb survivors and study results Hiroshima has accumulated.

●Lecture meetings at high schools

HICARE provides lecture meetings to inform high-school students of Hiroshima's international contributions in medical care for A-bomb survivors and research on the effects of radiation. Lecturers are leading specialists in these fields. These lecture meetings are intended to foster next-generation leaders who will contribute to the world with high aspirations.





<http://www.hicare.jp/>

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Health Care of the Radiation-exposed (HICARE)**

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