As a Tertiary Radiation Emergency Medical Institution, Hiroshima University plays a pivotal role in radiation medicine in the disaster-stricken area.

A Tertiary Radiation Emergency Medical Institution refers to an institution capable of providing high-level emergency medicine for radiation exposure and of final acceptance for patients with severe symptoms. Hiroshima University has been selected as a tertiary radiation emergency medical institution for the Western Japan Block, and the National Institute of Radiological Sciences (NIRS) for the Eastern Japan Block. Ever since the Fukushima No. 1 nuclear power plant accident, Hiroshima University—mainly its Hospital, Research Institute for Radiation Biology and Medicine, and Radiation Emergency Medicine Promotion Center—has conducted a wide range of supporting activities, in coordination with NIRS.

No. of medical professionals dispatched from HU: 1,327
As of February 2013

19:05, March 11
Dispatched the Hiroshima University Hospital DMAT.
About five hours after the occurrence of the earthquake, the Hiroshima University Hospital Disaster Medical Assistance Team (DMAT), comprising two physicians, two nurses and one pharmacist left for the devastated regions. After providing medical services, the team returned to the Hospital on March 15.

March 12 - the present
Established the Hiroshima University Radiation Emergency Medicine Committee / Dispatched the REMAT
In response to the declaration of a nuclear emergency situation, the Radiation Emergency Medicine Committee was set up on March 12, starting disaster victim support activities centering on radiation emergency medical care. On the same day, Hiroshima University dispatched the Radiation Emergency Medical Assistance Team (REMAT) No. 1, led by Prof. Koichi Tanigawa. Subsequently a series of REMAT were sent for supporting activities mainly at such places as the Fukushima Prefecture Government Hall, the Fukushima Offsite Center in the Fukushima Prefectural Government Office, Fukushima Medical University, and J Village. At present, our medical staff are working at the emergency medical room of the Fukushima No. 1 nuclear power plant.

14:46, March 11, 2011
Earthquake occurred.

March 20 – May 9 / April 12 – December 27
Made measurements of radioactive materials at the Higashi-Hiroshima Campus
A professor at the Graduate School of Engineering made measurements independently. In addition, in response to a request from the Ministry of Education, Culture, Sports, Science and Technology, we conducted radioactive material measurements and reported the results.

April 1
Prof. Kenji Kamiya, Chairman of the Radiation Emergency Medicine Committee, became a Radiation Health Risk Management Adviser to Fukushima Prefecture.
Prof. Kenji Kamiya was appointed as a Radiation Health Risk Management Adviser to Fukushima Prefecture. He has been working to provide Fukushima Prefecture with advice mainly on health management.

April 12 - the present
Held a total of 83 lectures on such themes as radiation risks to human health.
To impart accurate knowledge to residents worried about exposure to radiation, we held 41 lectures in Fukushima Prefecture and 42 lectures outside the prefecture (as of August 2012).

April 19
Opened the Radiation Protection Fundamental Information Portal Site.
To disseminate accurate information on radiation to more people, Hiroshima University opened the Radiation Protection Fundamental Information Portal Site (in Japanese, English and Chinese).
Major Activities

On March 12 Hiroshima University REMAT attended a conference of the NIRS nuclear emergency response headquarters, and flew to Fukushima in the helicopters of Self-Defense Forces on March 13, together with the REMAT of NIRS and experts from the Nuclear Safety Research Association (NSRA).

1. At the Fukushima Prefectural Government Hall: Set up the Radiation Emergency Medicine Coordination Conference, to make plans for radioactive contamination screening and to compile and manage the data, while working as experts by offering health consultations for residents and conducting thyroid screenings for children.
2. At the Offsite Center in the Fukushima Prefectural Government Office (nuclear emergency response headquarters): Determined the triage points, patient evaluation criteria, decontamination procedures and first medical response.

3. Decided the patient transportation methods, transportation routes, medical facilities that would accept patients, and created a flowchart for patient transportation.
4. At Fukushima Medical University: Provided physicians and nurses with advice and guidance on patient acceptance, etc., and supported special medical examination for internal exposure using the whole-body counter.
5. At J Village: Provided expert guidance on the initial evaluation of radiation-exposed patients, and on radioactive decontamination; determined the patient transportation methods; and accompanied the patients when they were hospitalized.
6. At a relay point for residents' temporary return to areas within 20 km from the Fukushima No. 1 nuclear power plant: Engaged in on-site progress management and guidance as a medical team, and treated the sick and wounded.

* Two station wagons were deployed to secure on-site mobility (on March 12 and from the departure on March 15 to October 7). One local person was hired as an administrative staff member who provided logistic support for the dispatched DMAT. (April 18 – September 30)

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August 8 – the present

Conducted the special examination of internal exposure.

At Hiroshima University Hospital, we have been conducting medical examinations of internal exposure to radiation using the whole body counter. The intended examination takers are residents of Fukushima Prefecture, including evacuees from the Prefecture, as well as those who have entered the evacuation zones designated by the national government.

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August 29 – March 2 / March 23 – March 26 / April 1 – 5 / May 1 – 4 / August 8 – 10, 2012

Dispatched personnel under the Leading Graduate Education Program, Hiroshima University (Phoenix Leader Education Program for Renaissance from Radiation Disaster)

1. Dispatched a Professor and an Associate Professor of the Graduate School of Engineering to Minamisoma City, where they conducted environmental radioactivity measurements and sampling of atmospheric dust, groundwater, river water and soil.
2. Dispatched a Professor of the Graduate School of Biomedical Sciences to Miyako, Kamaishi, Rikuzentakata Cities, to survey the actual conditions of medical recovery from the radiation disaster.
3. Dispatched a Professor and other members of the Graduate School of Integrated Arts and Sciences to Fukushima and Soma Cities, to survey radiation doses in mountains and forests.
4. Dispatched a Professor and other members of the Graduate School of Engineering to Minamisoma City, to collect samples for environmental radiation monitoring and to conduct field research.
5. Dispatched members of the Phoenix Leader Education Program Administration Committee to Minamisoma City, to make preparation to offer a field work subject making use of the Fukushima University Minamisoma Region Support Satellite.

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September 2011 – May 2012 – the present

Implemented environmental monitoring for radioactive materials around the Fukushima No. 1 nuclear power plant.

Upon request from the Ministry of Education, Culture, Sports, Science and Technology, Hiroshima University have carried out the following monitoring.

1. Since September 2011: Environmental monitoring for radioactive materials within the emergency evacuation preparation zones.
2. Since May 2012: Environmental monitoring for radioactive materials within the zones in preparation for the lifting of the evacuation order and in other locations.
Other Supporting Activities

**Relief supplies**

Dispatch of relief supplies, including food, medicine and information appliances

In response to a request from Tohoku University, Fukushima University and other various institutes, Hiroshima University sent relief supplies to the disaster-stricken areas. These supplies were sent in six batches, starting from March 19. Among the items included were daily necessities such as food and heaters, medical products such as denture cleaners, and information appliances such as notebook computers and printers.

**Acceptance of Disaster Victims**

Acceptance of affected undergraduate and postgraduate students and a researcher from Tohoku Gakuin University, Tohoku University and Kitasato University

Hiroshima University Law School accepted one student from Tohoku Gakuin University Law School. Our Graduate School for International Development and Cooperation accepted one researcher from Tohoku Gakuin University. Our Faculty of Applied Biological Science accepted one student from Kitasato University. Hiroshima University offered its Yamanaka Hall and other facilities as accommodations for these students.

**Fundraising for the Great East Japan Earthquake**

Fundraising and Donations through the Japanese Red Cross Society

We asked our faculty members, students and others concerned with the University for their cooperation in donating to disaster victims. As a result, we raised donations totaling 19,822,748 yen as of the end of August 2011. These donations were all sent to the Japanese Red Cross Society.

Donations raised between March and August 2011: 19,822,748 yen

**Support for Affected Students**

Exemption from Entrance/Tuition Fees

As part of its support for affected students, Hiroshima University granted five students total exemption from the entrance fee, 24 students total exemption from the tuition fee for the first semester, and 12 students total exemption from the tuition fee for the second semester. Moreover, we set up a financial counseling window for students affected by the disaster.

**Dispatch or other supporting activities in response to requests from other institutes**

- Dispatch of doctors, pharmacists, etc. 22
  Dispatched doctors, nurses and other medical professionals to the affected areas to assist medical services at evacuation centers, etc.

- Screening surveys, radiation measurements, etc. 5
  Dispatched radiation experts who conducted radioactive screening and radiation dose measurements in Fukushima Prefecture.

- Dispatch of lecturers to deliver lectures on radiation-related themes 2
  Dispatched experts who delivered lectures or seminars for farmers in the disaster-stricken areas

- Overseas dispatch of investigators 1
  Dispatched investigators to Thailand where they conducted surveys to support recovery from earthquake and tsunami disasters.

- Creation of a map of tsunami-hit regions 1
  Created a map of tsunami-hit regions upon the request of the Association of Japanese Geographers. Our students also participated in map-making.