Japan's premier health accomplishment in the past 50 years has been the achievement of good population health at low cost and increased equity between different population groups. The development of Japan's policies for universal coverage are similar to the policy debates that many countries are having in their own contexts. The financial sustainability of Japan's universal coverage is under threat from demographic, economic, and political factors. Furthermore, a series of crises—both natural and nuclear—after the magnitude 9.0 Great East Japan Earthquake on March 11, 2011, has shaken up the entire Japanese social system that was developed and built after World War 2, and shown existing structural problems in the Japanese health system. Here, we propose four major reforms to assure the sustainability and equity of Japan's health accomplishments in the past 50 years—implement a human-security value-based reform; redefine the role of the central and local governments; improve the quality of health care; and commit to global health. Now is the time for rebirth of Japan and its health system.

Introduction

The global health community is quickening its efforts aimed at ensuring health coverage for all. The 58th session of the World Health Assembly in 2005 endorsed a resolution, urging its member countries to work towards sustainable health financing, defining universal health coverage as access for all to appropriate health services at an affordable cost. The World Health Assembly also urged countries to strive for the achievement of universal coverage by using, in accord with their specific contexts, a mix of prepayment systems that include tax-based financing and social health insurance. In the past decade, low-income countries such as Ghana and Rwanda have introduced national health insurance schemes designed to achieve universal coverage at an affordable cost. The definition of universal coverage is still debated, but generally it is access to key promotive, preventive, curative, and rehabilitative health interventions for all at an affordable cost. The principle of financial risk protection ensures that the cost of care does not put people at risk of financial catastrophe. The social health insurance approach allows the gradual expansion of the population covered and solidarity among the individuals enrolled in each plan. Japan achieved universal health insurance coverage in 1961 when virtually the entire population became covered by plans for social health insurance.

Achievement of universal coverage is, however, not an end, but the beginning of new challenges. Universal

Key messages

- Although Japan achieved universal coverage in 1961 and other health-care policies and programmes have led to excellent population health at low cost with equity, the nation now has many challenges.
- Three common challenges to the health system of Japan—economic sustainability, political governance, and responsiveness to patients—were identified in the other reports in this Lancet Series.
- The Great East Japan Earthquake in March, 2011, showed the underlying structural problems in the health system but made the three challenges much more difficult to resolve fiscally.
- To address these challenges, we propose four major reforms for Japan's health-care system: implement human-security value-based reform; redefine the role of the central and local governments; improve the quality of health care; and commit to global health.
- There are promising signs that Japan will be able to achieve both structural health reform and disaster reconstruction. This domestic experience could be the basis for Japan to take an increased proactive role in promoting global health.
coverage has never been static in Japan and has been developing since 1961, including changes in copayments, how financing is subsidised with taxes, and cross-subsidies for different plans. This gradual change in Japan’s policies for universal coverage shows policy debates that are underway in many countries in their own contexts. The financial sustainability of Japan’s universal coverage is under threat from demographic, economic, and political factors.

However, the situation of low economic growth rate and unstable political climate creates a particularly difficult situation for addressing the problems of universal coverage and undertaking structural reform. Furthermore, a series of crises—both natural and nuclear—after the magnitude 9.0 Great East Japan Earthquake on March 11, 2011, has shaken up the entire Japanese social system that was developed and built after World War 2 (panel 1). The disasters have clearly shown underlying structural problems in the Japanese health system that have existed for a long time.

In Japanese, the term crisis literally consists of two Chinese characters—risks and opportunities. We started The Lancet Series about Japan17 with the belief that Japan’s current political, economic, and social circumstances offer opportunities for bipartisan reform of the health-care system after five decades of universal coverage, and the hope that Japan’s definition of human security can provide the key values for dealing with both domestic and global conundrums in health policy. The reports in this Series provide a comprehensive analysis of the major topics of health in Japan—population health, universal coverage, costs and service quality, ageing and long-term care, and global health. Here, we summarise the main achievements of Japan’s health system, discuss the challenges it confronts for the future, and present our recommendations for reform.

**Good health at low cost with equity**

Japan’s premier health accomplishment in the past 50 years is the achievement of good population health at low cost with increased equity between different population groups. A landmark study of health systems (in China, Costa Rica, Sri Lanka, and the Indian state of Kerala) reported in 1985 is now being revisited by an alliance of international researchers.20 We believe that Japan’s experiences, especially how the country successfully pursued egalitarian principles while seeking good health at low cost, provide several important lessons for the achievement of good population health.

Japan’s achievement of universal health insurance coverage in 1961 was fairly early in the world, especially with an income per person that was half that per person in the UK. Today virtually all Japanese people are covered by social health insurance, through 3500 plans according to where they are employed or where they reside. Japan has also reduced inequities between the different insurance plans by making co-payment rates uniform, except for elderly people and children, and by mandating cross-subsidies among plans to adjust for the different proportions of elderly people enrolled. These efforts have worked towards implementation of egalitarian principles of equal treatment in terms of social health insurance for nearly all Japanese citizens. However, inequities exist in the proportion of income contributed as premium and part-time workers are increasingly not insured.

A concern about universal coverage is how to control health expenditures in a sustainable manner. Japan’s basic policy has been a combination of tight supply-side control for the conditions of payment with the fee schedule, with a laissez-faire approach to how services are delivered. Although the structural and process dimensions of quality, especially in chronic disorders such as hypertension, seem to be poor, quality is primarily a result of how physicians and hospitals have developed, and the inadequate governance of professional organisations, and not attributable to the cost containment...
Figure 1: Government debts as proportion of gross domestic product

Data from the Organisation for Economic Co-operation and Development.22

Outcomes of subspecialty acute care services such as postsurgical mortality rates are as good as those reported in other countries. However, the needs and supply of health-care resources are mismatched, and accountability is lacking for the quality of care.

Japan has also developed innovative policies to address the country’s rapidly ageing population. The proportion of people aged 65 years and over has nearly doubled in the past two decades, going from 12% in 1990 to 23% in 2010. Since the late 1970s, policy makers in Japan have focused on how to finance health expenditures for elderly people. As discussed in the report about ageing in this Series,23 Japan implemented a public long-term care insurance in 2000 to meet the challenges of its ageing society and to contain health expenditures. Long-term care insurance operates on the basis of social insurance principles, with benefits provided irrespective of income or family situation; it is unusually generous in terms of both coverage and benefit. This policy has gained widespread public acceptance, shown in the doubling of service use and expenditures in the past 10 years, during which health expenditures increased by only 15%. Although the policy’s effects on beneficiaries and carers still need a complete assessment, the long-term care insurance policy has been successful in enhancing women’s participation in the labour market and reducing the fiscal burden on households. However, issues of financial sustainability, overdependence on institutional care, and inadequate attention to the needs of informal carers remain to be solved.24

Japan’s health achievements for the population are impressive. Life expectancy at birth for women is 86 years and has ranked first in the world since 1986. The achievement in reduction of mortality rates can be considered in two periods, as discussed in the report about population health in this Series.25 The first period was right after World War 2 until the mid-1960s when reductions were noted in mortality rates in children younger than 5 years with infectious diseases and in adults with tuberculosis. The second period was from the 1960s until now (after achievement of universal coverage), when reductions in rates were mainly noted for adults and elderly people with cerebrovascular and ischaemic heart diseases.

Reductions in mortality rates were partly attributable to public health measures for infectious diseases and the provision of free treatment for tuberculosis in the first period even when the country was poor, and to management of health risks through salt reduction and the use of antihypertensive drugs in the second period. The health-care system made a synergistic contribution by assuring access to health care for all citizens, and by regulating prices so that out-of-pocket payments by patients were low. Japan’s experience of good health at low cost suggests that a country’s priority in health policy should initially be on improving access and preventing impoverishment from health care, and then efficiency and quality of services should be pursued.25 Even in the 1950s, mortality from causes other than infectious diseases and cerebrovascular diseases was already low, suggesting that the Japanese have a genetic or lifestyle-related propensity to longevity.

In the past two decades, life expectancies have continued to improve despite adverse economic circumstances, increases in copayment rates for many people since 1983, and increases in income disparity and unemployment rates since the 1990s. However, doubts exist about whether Japan has really achieved a healthy society. Available data show that the improvement in healthy life expectancy decelerated since the 1990s.24 Additionally, although Japan’s socioeconomic disparities in various health outcomes are still small compared with other countries, mortality rate is increasingly determined by the socioeconomic status and suicide rates are increasing among male workers.26 These health problems might be indicative of broader systemic challenges that require solutions, especially in the context of Japan’s persistent economic stagnation and increasing government debt besides its rapidly ageing population.21 Can Japan manage to pursue the health of the population and the health of each individual at a low cost?

Japan’s future challenges

The three major challenges to the Japanese system for good health at low cost with equity have been identified as economic sustainability, political governance, and consumer responsiveness in this Series.22,28,29

First, the most daunting challenge for Japan is the national fiscal situation and the way health care is financed. Although the bulk of health expenditures is
financed by social insurance premiums, a quarter comes from the central government’s general revenues and constitutes 10% of its budget. Since this amount would increase as health expenditures increase over time with the ageing society and advances in medical technology, the government must control total health expenditures so as to contain the overall budget. Budget constraints have been severe ever since Japan’s economic bubble burst in 1991. Since then, the country’s national debt has accumulated to twice the gross domestic product. Thus, on the one hand, health-care costs will become increasingly difficult to contain, and on the other hand the government does not have the capacity to increase funding. Worse, the emergent budget for reconstruction and compensation of the triple-disaster-hit areas will further increase fiscal pressure on government (figure 1).

Second, Japan is “a despondent country with a dysfunctional political system”, according to The Economist. The chaotic national management of the recent nuclear power plant crisis shows the need for stronger political leadership and greater transparency in decision making. After the disasters occurred on March 11, 2011, the government created many official task forces that contributed to inefficiencies in the government response. The untimely and contradictory disclosure to the public of information about the risks of radiation and the extent of damage at the power plant helped create public confusion and mass panic, and contributed to raising distrust in the government. Academics who sat on government committees were also criticised for their ineffectiveness, inappropriate risk assessments, and unclear messages to the public as a result of poor communication skills and conflicts of interest between the government and the nuclear power industry. The official response to the disasters showed Japan’s antiquated institutional mechanism for policy making, which is characterised by fragmented relations and competition among the different ministries and agencies, and close ties among industries, academics, and governmental bureaucrats within a specific area as exemplified by the nuclear energy policy. The confused official response has been worsened by mutual mistrust between bureaucrats and politicians in the government led by the Democratic Party of Japan. The disaster also showed the legacy of ineffective regulation of the nuclear power industry from decades of government by the Liberal Democratic Party.

Last, Japan’s health system is not responding to people’s changing expectations about health and increasing demands for good-quality services, particularly in an interconnected world. This trend has raised national debates about several medical issues. For example, reports about the health hazards of drugs, followed by a series of lawsuits, brought modernisation of the drug and device regulatory system. However, the delayed approval of new drugs, devices, and vaccines frustrates doctors and patients (panel 2). These trends indicate increasing tensions and conflicts among medical workers, patients, and the mass media in Japan’s health system.

The Japanese Government in 2009 recognised the strategic importance of the specialty of life innovation that seeks to bring together economic growth, science and technology, and quality of life in an ageing society. That policy, approved in 2009 by the cabinet, promotes scientific research in life sciences, informatics, and genomics in pursuit of innovations that will improve diagnosis and treatment of disorders that affect ageing societies. We welcome this technology-driven and growth-oriented approach to consider health as a prominent economic sector.

Despite a continuous increase in the number of physicians, there is a shortage of physicians in some specialties, especially obstetrics, paediatrics, and surgery. Shortages in some specialties are further compounded by changes in patients’ views about the quality of service and non-medical aspects of care (eg, respect for individuals and client orientation). Patients have become increasingly sophisticated in their understanding about quality and physicians, whereas physicians have not been able to keep pace with these changes. Even for low-risk operations, many patients now seek care from specialists in tertiary hospitals. In terms of emergency care provision, Japanese society, including parents, general internists, and

Panel 2: Drug and device lags

In Japan, there are substantial delays in the approval and introduction of new health technologies, including drugs, devices, and vaccines. New drugs took about 3–7 years after first world application before market launch in Japan during 1999–2002. This long period compared with delays in other developed countries is attributable to the longer processes required for undertaking clinical trials, delay in filing new drug applications in Japan, longer approval process by Japan’s regulatory authority, and tight price regulation that dampens incentives for pharmaceutical companies to enter the market.

The delay is even longer for new devices in Japan. For example, Japan’s approved implantable artificial heart has been replaced with newer second-generation devices in other countries. As a result, the device used in Japan has disappeared from the global market, and the latest devices are not available to Japanese patients with end-stage heart failure.

Similar delays have been noted for vaccines. In Japan, vaccines for Haemophilus influenzae type b, Streptococcus pneumoniae, and human papillomavirus were recently approved after years of delay compared with other countries. Furthermore, Japan has continued to use a live, attenuated oral poliovirus vaccine, even though the government reported that 80 patients developed vaccine-associated paralytic poliomyelitis during 1989–2008 from the live vaccine. Japanese domestic companies are trying to develop combined vaccines including inactivated poliovirus under the guidance of the Ministry of Health, Labour and Welfare.

Delays in approval of drugs and devices are not only the consequences of cost containment policy but result from structural problems. Some of these problems in delayed approval could be addressed through a modernisation of the regulatory system, a fair pricing system, a formal cost-effectiveness evaluation system for approval decisions, and improved clinical research capacity by government and academic hospitals.
emergency care physicians, seems to insist on children being seen by a paediatrician and not by an internist on duty. These expectations, with the poor differentiation in service provision and misdistribution between specialties, have created bottlenecks in major medical centres, especially for emergency care. Because patients’ expectations have changed, the roles of primary care physicians and specialists and the balance between them need to be adjusted.

Although Japan’s current system might be making people healthier, it does not seem to be able to meet rising expectations. In this context, Japan needs to reconsider the meaning of health in an ageing, uncertain, and global context. In particular, Japan needs to give greater attention to people’s values about health and to develop a coherent vision as a leader in global health. To address these challenges, we believe that Japan must undertake a major restructuring of its health system.

Reforms for the future
A broad consensus exists in Japan today about the need for reforms in health (as in many other areas of national policy), but little agreement on what to do or how to do it. Japan seems to have lost its capacity to make tough social decisions that impose costs on some stakeholders. We propose four major reforms to assure the sustainability and equity of Japan’s health accomplishments in the past 50 years (panel 3).

First, implement a human-security value-based reform. Japan’s health system continues to increase the national medical expenditures. Undoubtedly, Japan needs more funding for health, through increases in insurance premiums and taxation. However, the real concern is how Japan will ensure fairness in financial contributions while securing new sources of funding for health. This ability to ensure fairness, in turn, depends on informed judgments by the Japanese people.

 Structural reform inevitably represents the values that a nation intends to achieve. European countries established their health systems based on their particular values and their own political and historical contexts. In Japan, as in other non-western countries, government officials and politicians imported a health system and adapted it to their own context, but the process of adoption was eclectic and not necessarily internally consistent, thereby lacking a structural mechanism to retain and improve its quality.

As discussed in the report about global health, Japan made human security the cornerstone of its foreign policy because it understood the interdependence of political, economic, and social development. The Japanese health system that had worked in the past has begun to fail, and is now threatening human security within Japan, as exemplified by the recent disaster. Human security—to protect all human lives from critical and pervasive threats and give people the building blocks of survival, livelihood, and dignity—such as universal insurance coverage, is more relevant than ever to meet the challenges facing Japan. Towards this end, we believe that Japan needs to apply this idea more proactively to its domestic policy. Health, as a common goal at the basis of our shared humanity, is uniquely positioned to play a major part in Japan’s pursuit of human security for its own people.

Japan needs to begin reform by clearly stating the shared values that need to be achieved through the health-care system, and adhere consistently to them. We believe that equity in human security should be the core value of Japanese health policy, but it will require new commitments from every stakeholder. The basic structure of compulsory enrolment in social health insurance plans should remain, though structural reform through consolidating plans and setting fair premiums is a necessary step to improve equity.

As the era of Japan’s post-war decision-making system comes to an end, a more transparent process needs to be implemented to better represent people’s values. A 2010 opinion poll suggests that the major sources of the dissatisfaction with the Japanese health system are not
issues about quality, access, or costs, but the lack of fairness and public participation in decision making (figure 2).50 Behind this lack of fairness and public participation in decision making is the lack of appropriate use of evidence. Decision making—whether local, national, or global—will always remain political, but it can still be informed by better science and evidence to frame key choices, especially approaches that take into account the overall context.

Although a general social agreement exists about the need for structural reform, no one is willing to take the political risk to break the policy inertia and transform the health system. The system’s inefficiencies could be tolerated in Japan’s period of high economic growth, but not in today’s climate of economic stagnation. We believe that a bold alliance of stakeholders across political parties and positions, beyond the vested interests of individual groups, is needed to stimulate structural reform of Japan’s health system.

Second, redefine the role of central and local governments. The notion of human security requires both top–down and bottom–up approaches to reform Japan’s health system. From the top–down perspective, Japan needs central policies that give more emphasis to people-centred health interactions by breaking down the ministerial silos of authority and responsibility. The greatest barrier to reform is Japan’s antiquated and entrenched institutional mechanisms for health-policy making that provide few opportunities for domestic and global health experts to interact. Towards the goal of providing independent and robust analyses of both domestic and global health policies, Japan needs to establish agencies such as the Centers for Disease Control and Prevention, National Institutes of Health, and Institute of Medicine in the USA, and National Institute of Clinical Excellence and Public Health in the UK. At the same time, from the bottom–up perspective, Japan needs to empower regional and community planning entities that can expand autonomy for the regions. Design and implementation of these changes will require new kinds of dialogue and decision making among groups that have not previously collaborated, including the medical association, government organisation, private industry, and civil society groups.

Japan’s health policy is decided uniformly by the central government and with little discretion from the local governments. Therefore, at the local level, prefectural governments should serve as the key organisations for citizens to participate in forming and implementing health policy. The first step would be the election of politicians who are committed to managing and sustaining the regional health-care system. The consolidation of the social insurance plans at the prefectural level would not only improve fairness of each organisation’s financial contribution, but also enhance the authority of the prefectural governors. Their mandate would be to exercise tighter control over provision of care to improve efficiency in the allocation of health-care resources and their functions in the region. Providers’ performance must be monitored, and hospitals and clinics should be consolidated to improve efficiency.

The triple disasters—earthquake, tsunami, and nuclear crisis—that Japan is now confronting in the Tohoku area have created the nation’s worst humanitarian crisis since World War 2. Remote villages along the coast hit by the tsunami are among the regions with the fastest ageing populations in Japan. The prevalence of hypertension and diabetes is high among survivors, and there is a chronic shortage of health workforce and little access to quality care.51 In these areas, the major issues for the Japanese health system—and, ie, ageing population, chronic disease, little access to quality services, and lack of a health workforce—have been magnified after the disaster. This confluence of crises represents one possible future scenario for all Japan. Thus, reconstruction of the health system in the Tohoku area represents a test case for future reform of the Japanese health system. We believe that rebuilding the health system in Tohoku provides an opportunity for a positive reform of the Japanese health-care system based on the notion of human security.

Third, improve the quality of health care. Japan lacks systematic measures and incentives to improve quality.52 The accreditation system of subspecialties is not well established—physicians are free to proclaim and practice any specialty they desire, and national quotas for training subspecialists based on the expected need, and the resources for meeting the required level of experience do not exist.53 Although the subspecialties are under the general organisation of the Japanese Board of Medical Specialties,54 the board does not have the authority to set quotas or standardise accreditation requirements. Subspecialty organisations should start by setting such quotas and building clinical databases, such as those that

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**Figure 2: Main reasons for dissatisfaction of Japanese population with the health-care system**

A public opinion survey on health-care policy was done in January, 2010, by Japanese experts.50 Two-stage cluster sampling of 1650 individuals (aged ≥20 years) was used to gather information about public opinion on various aspects of health-care policy. The overall response rate was 62%. When compared with a survey in 2006 with the same set of questions, the results of the recent survey suggest that over the past few years, public dissatisfaction with the decision-making process of the health-care system has increased, while public satisfaction with the medical services and treatments has increased.

![Figure 2](https://example.com/figure2.png)

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**Table: Main reasons for dissatisfaction of Japanese population with the health-care system**

<table>
<thead>
<tr>
<th>Reason</th>
<th>2006 (%)</th>
<th>2010 (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quality of services made available to patients by medical institutions</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>Information about medical institutions and treatment options</td>
<td>30</td>
<td>35</td>
</tr>
<tr>
<td>Health-care costs</td>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>Equality of health-care system</td>
<td>15</td>
<td>20</td>
</tr>
<tr>
<td>Fairness of decision-making process in health-care system</td>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>Public participation in decision making</td>
<td>20</td>
<td>25</td>
</tr>
</tbody>
</table>

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**Note:** All values are based on a two-stage cluster sampling of 1650 individuals (aged ≥20 years) conducted in Japan in January, 2010.
have been developed by the Japanese Society of Thoracic Surgery and other subspecialties.14 The lack of quotas has led to the training of too many subspecialists. Only a small proportion continue and choose a career in their subspecialties and the rest shift to general practice without formal training as family doctors. General practice is not established as a subspecialty because few medical schools in Japan have a department of primary care or general practice. It is the underlying reason why continuity and comprehensiveness of primary care remains poor in the Japanese health system.15 To address this mismatch in training and practice for physicians, Japan requires a long-range reform of medical education,13,16 which could include a retraining programme for general practice for subspecialty physicians as a postgraduate educational system in medical schools. This programme should emphasise skills in communication with patients, management of team practice, and coordination of local health-care resources to improve accountability for local health outcomes.

To effectively allocate subspecialty physicians and other resources, a regional planning committee composed of providers, local government, and citizens should be organised. The quality of hospital performance should also be monitored through mandatory reports that are automatically downloadable from a national hospital information system. This monitoring would enhance quality through peer competition. The reporting system for hospitals participating in the case-mix prepayment system already provides the basis for creating an effective hospital monitoring system.17 Small hospitals mainly providing chronic care should be further encouraged to become skilled nursing facilities or cared housing units.

Once professional and hospital organisations have shown the public that they have committed themselves to improve quality and shown their willingness to make their efforts transparent, they would be in a better position to demand increased resources for health care. This demand would be an issue at the national and prefectural levels.

Fourth, commit to global health. The key strategic agenda for Japan is to reconsider the meaning of global health in ageing populations and to identify areas in which Japan has greater expertise. This Lancet Series has showcased the wealth of knowledge and expertise for health and health systems, especially related to universal coverage, that Japan has accumulated in the past 50 years in its quest to improve the health and wellbeing of its people. The Japanese experiences and expertise are highly relevant in an era of scaling up interventions to achieve the health-related Millennium Development Goals (MDGs). Additionally, Japan’s experience and knowledge related to health insurance and long-term care18,19,20 will be huge assets in the post-MDG movement of global health towards universal coverage and long-term care in ageing societies.21,22 These assets should be used by expanding and deepening Japan’s financial and substantive commitments through overseas development assistance. That is, not cut back, despite the pressing demands for reconstruction after the disaster.

Conclusions
Can we do all the tasks presented in these four reforms? Our belief is that Japan must and can. Our four reforms are not independent. Indeed they must be done simultaneously. Human security would be the unifying theme to reform the structure of the central and local governments. Once the responsibilities of the central and local governments are more clearly defined, with more evidence of professional accountability made available, then the public would be more willing to allocate additional resources to health care. To enable this transformation, we have advocated the consolidation of plans for social health insurance at the prefectural level so that their premiums could be linked more directly to the delivery system.9 When the first three goals are achieved, Japan would be in an improved position to expand its commitment to global health.

The need for change has become more urgent after the disaster of March, 2011. Our recommendations must be adopted now and implemented in 3–5 years. This time is not just for reform but also for rebirth. The issues have become too critical to rely on incremental adjustments that have characterised Japanese policy making. We should take note that Japan’s past calamities have often been followed by major changes.23 After the Great Kanto Earthquake of 1923, Japan turned to militarism. After defeat in World War 2, and the dropping of the atomic bombs by the USA, Japan adopted a pacifist constitution in 1947 and achieved peaceful growth. After the Great Hanshin-Awaji (Kobe) Earthquake in 1995, Japan turned inward forcefully. Similarly, Japan’s recent catastrophe could have a huge effect on the nation’s future.24 We believe those forces of change must be channelled in a positive direction.

Already, the signs are promising. In response to the crisis, Japan has had an outpouring of passionate young people who are committed to helping those devastated by the disasters. Using innovative social media, they have gathered and diffused information, garnered support for projects, and launched massive donation campaigns.24 The Japanese version of a new public movement is underway, led by agents for innovative change, hoping to move the system from centralised decision making to a more decentralised people-oriented approach. The crisis has also shown that Japan still shares a strong sense of social cohesion, trust, and reciprocity. Human security approaches to disaster relief and health-care provision for all can be the foundation of Japan and the world in the 21st century.

During this difficult period, Japan has received generous support from all over the world. The time now is for Japan to give back to the global community. We propose that Japan should act as a platform for research
and development of health systems and innovations, drawing lessons from all over the world about universal coverage, equity and healthy ageing in the context of human security, humanitarian responses to disasters, and health effects of radiation exposure. We believe this *Lancet* Series initiates a new era in which these hurdles can be overcome, and that broader lessons can be learned from Japan’s successes and problems of the past 50 years.

**Contributors**

KS, MRR, HH, and NI set the conceptual framework for the report, and KS, HH, AN, and TT did the literature search. KS, HH, NI, and MRR contributed to writing the report. AN, TT, HM, KT, and MRR contributed to the critical revision. All authors contributed to the discussion and have seen and approved the final version of the report.

**Conflicts of interest**

We declare that we have no conflicts of interest.

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