



Japan
Environmental Health Data Sheet
As of July 1, 2004



	INDICATORS	DATA	Year	Source
1	Development, Environment and Health			
1.1.1	Area (1000 km ²)	377.887	2002	Geographical Survey Institute, Ministry of Land, Infrastructure and Transport
1.1.1	Estimated population ('000)			
	- Total	127,680	June 1, 2004	1
	- Male	62,290	June 1, 2004	1
	- Female	65,380	June 1, 2004	1
1.1.1	Annual population growth rate (%)	0.78	June 1, 2003- June 1, 2004	1,2
	Percentage of population			
	- 0-14 years			
	> Total	13.9	June 1, 2004	1
	> Male	14.6	June 1, 2004	1
	> Female	13.3	June 1, 2004	1
	- 65+ years			
	> Total	19.4	June 1, 2004	1
	> Male	16.7	June 1, 2004	1
	> Female	21.8	June 1, 2004	1
1.1.1	Urban population (%)	78.7	Oct. 1, 2002	3
1.1.1	Adult literacy rate (%)			
	- Both sexes	100		
	- Male	100		
	- Female	100		
1.1.1	Under-five mortality rate (per 1000 live births)	4.0	2003	4

	INDICATORS	DATA	Year	Source
1.1.1	Newborn infants weighing at least 2500g at birth (%)	90.9	2003	4
1.1.2	General economy: narrative report (separate sheet)			
1.1.2	Per capita GDP at current market prices (US\$)	31,788	2002	Economic and Social Research Institute
1.1.2	Total health expenditure on health as % of GDP	8.58	2002	Website of MHLW
1.1.3	Development priorities: narrative report (separate sheet)			
1.1.3	Land area for agriculture (as percentage of total land area)	12.8	2002	Website of Ministry of Agriculture, Forestry and Fisheries
1.1.4	Human development index (Highest = 1)			
	Human development index Rank (out of 175 countries)			
1.2.1	Population with access to safe water (%) (public water supply)			
	- Total	96.8	2002	Journal of Health and Welfare Statistics
	- Urban			
	- Rural			
1.2.1	Population with adequate excreta disposal facilities (%)			
	- Total	66.7	2003	
	- Urban(major cities)	98.1	2003	
	- Rural (general cities)	57.5	2003	Website of Japanese Sewerage association
1.2.1	Solid waste collection (% of total waste generated)	99.5%(municipal solid waste) N/A (industrial waste)	2001	Waste Treatment in Japan (Record of FY2001)

	INDICATORS	DATA	Year	Source
1.2.1 1.2.2	Proportion of urban population served by municipal solid waste collection (%)			
1.2.2	Proportion of urban population served by sewerage system (%) National or major city			
1.2.1 1.2.2	Proportion of population with electricity (%) Total Urban Rural			
1.2.3	Poison center service (Y/N list, year)			
1.2.3	Chemical emergency preparedness (Y/N list, year)	Y National Institute of Health Science		
1.2.4	Proportion of population living in informal settlements (%)	0.02 homeless people	2003	National Survey on Homeless People 2003, by MHLW
1.2.4	Presence of building regulations and inspection (Y/N list, year)	Building Standard Law		
1.2.5	Number of registered vehicles	76,892,517	2003.3	Automobile Inspection & Registration Association
	Rate (number per 100,000 population)	60.694	2003.3	ditto
	Number of registered motorcycles	3,124,744	2003.3	ditto
	Rate (number per 100,000 population)	2,466	2003.3	ditto
1.2.6	Presence of government/private laboratories and equipment for monitoring			
	Drinking water (Y/N; G/P)	Y ; G		Journal of Health and Welfare Statistics
	Water resources (Y/N ; G/P)	Y ; G		Brochure of the Ministry of the Environment
	Ambient air (Y/N ; G/P)	Y ; G		Brochure of the Ministry of the Environment
	Noise (Y/N ; G/P)	Y ; G		Brochure of the Ministry of the Environment

	INDICATORS	DATA	Year	Source
	Radiation (Y/N ; G/P)	Y ; G		Brochure of the Ministry of the Environment
1.2.7	Presence of government/private system for data collection and processing (Y/N; G/P)			
1.3.1	Proportion of population using solid/biomass fuels for cooking or heating (%)	Proportion of population using Kerosene and Liquefied petroleum gas 30.1%	2002	Agency for Natural Resources and Energy. Agency for Nuclear and Industrial Safety.
1.3.1	Proportion of vehicles using diesel (%)	13.7	2003	Statistical Handbook of Land Transport
1.3.1	Proportion of vehicles using unleaded gasoline (%)	N		
1.3.1	Average number of times national air quality standards are exceeded in a year: a. short-term (1-hour average) frequency of exceedance b. long-term (8-hour average) frequency of exceedance	N		
1.3.2	Average number of times national water quality standards are exceeded in a year a. In three major rivers b. In major drinking water supplies	a. achievement ratio: 85.1% of all rivers	2002	Annual Report of Water Pollution Control Law
1.3.2	Industries generating wastewater (number)	296,157	2002	Annual Report of Water Pollution Control Law
1.3.3	Solid waste generated (kg/per capita/day)	1,124kg (municipal solid waste) N/A (industrial waste)	2001	Waste Treatment in Japan (Record of FY2003)

	INDICATORS	DATA	Year	Source
1.3.3	Solid waste generated (tons per year)	54,935,000t (municipal solid waste) 400,243,000 (industrial waste)	2001	Waste Treatment in Japan (Record of FY2001) Research on Status of Industrial Waste Discharge and Treatment (Record of FY2001)
1.3.3	Proportion of recyclable solid waste (%)	15% (municipal solid waste) 46%(industrial waste)	2001	waste Treatment in Japan (Record of FY2003) Research on Status of Industrial Waste Discharge and Treatment (Record of FY2001)
1.3.4	Toxic and hazardous wastes generated (tons/year)	3,306,132	1999	
1.3.4	Industries generating toxic and hazardous wastes (number)	400,000,000(tons/year)	1999	State of the Generation and Treatment of Industrial Waste
1.3.4	Health-care waste generation (tons per year)	430,000	1999	
1.3.4	Nuclear waste generation (tons per year)			
1.4.2	Cases of pesticide poisoning (number)	N		
1.4.2	Proportion of undernourished population (%)			
1.4.2	Prevalence of underweight children under five years of age (%)			
1.4.4	Motor and other vehicle injuries (number)	Death 7, 702 Injuries 1, 180, 168	2003	Annual Report of Traffic Accidents by National Police Agency

	INDICATORS		DATA	Year	Source
1.4.4	Road traffic crashes:				
	Number of accidents (within a year)		947, 408	2003	Annual Report of Traffic Accidents by National Police Agency
	Rate (Accident per 100,000 population)		742	2003	Annual Report of Traffic Accidents by National Police Agency
	Rate (Accident per 10,000 vehicle registration)		121	2003	Statistical Handbook of Land Transport, Annual Report of Traffic Accidents by National Police Agency
	Rate (Injuries per 10,000 vehicle registration)		151	2003	Statistical Handbook of Land Transport, Annual Report of Traffic Accidents by National Police Agency
	Rate (deaths per 100,000 population)		6.03	2003	
1.4.1- 1.4.7	Ten leading causes of morbidity (estimated number of patients)	Number	Rate per 100 000 population	2002	
	1. Hypertensive disease	6,985,000			
	2. Disease of oral cavity	4,870,000			
	3. Diabetes	2,284,000			
	4. Cerebrovascular disease	1,374,000			

	INDICATORS		DATA	Year	Source
	5. Cataract	1,292,000			
	6. Malignancy	1,280,000			
	7. Asthma	1,069,000			
	8. Ischemic heart disease	911,000			
	9. Peptic ulcer	782,000			
	10. Schizophrenia and other psychiatric disease with	734,000			
1.4.1-1.4.7	Ten leading causes of mortality	Number	Rate per 100 000 population		
	1.Malignant Neoplasms	309,543	245.4	2003	4
	2.Heart Diseases	159,545	126.5	2003	4
	3.Cerebrovascular Diseases	132,067	104.7	2003	4
	4.Pneumonia	94,942	75.3	2003	4
	5.Accidents	38,714	30.7	2003	4
	6.Suicide	32,109	25.5	2003	4
	7.Senility	23,449	18.6	2003	4
	8.Renal Failure	18,821	14.9	2003	4
	9.Disease of Liver	15,737	12.5	2003	4
	10.Chronic obstructive pulmonary diseases	13,626	10.8	2003	4
		Number of cases	Number of deaths		
1.4.5	Tuberculosis (All types) A15-A19	2,337	1.9	2003	4
1.4.5	Rheumatic fever and rheumatic heart diseases I00-I09	2,415	1.9	2003	4
1.4.6	Acute respiratory infections J00-J06	410	0.3	2003	4
1.4.6	Hepatitis viral B15-B19	5,805	4.6	2003	4
1.4.6	Cholera A00	0	0	2003	4
1.4.6	Typhoid fever (and paratyphoid fever) A01.0	0	0	2003	4
1.4.6	Encephalitis A83-A86	77	0.1	2003	4
1.4.6	Diarrhoeal diseases	NA	NA		
1.4.7	Plague	0	0	2003	4
1.4.7	Malaria	1	0.0	2003	4
1.4.7	Dengue/DHF	0	0	2003	4

	INDICATORS	DATA	Year	Source
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2	Legal, Policy, and Institutional Structure			
2.1.1	National environmental health policy (Y/N list, year)			
2.1.1	National environmental policy (Y/N list, year)	Quality of the Environment in Japan	Annual	Ministry of the Environment
2.1.1	Policies/legislation to reduce exposure to environmental tobacco smoke (Y/N list, year)	Health Promotion Law	2003	MHLW
2.1.1	National policies for healthy settings (such as healthy cities) (Y/N list, year)			
2.1.2	Environmental/Health Acts promulgated: (Y/N list, year) a. Water b. Air c. Solid Waste d. Toxic chemicals/Hazardous Waste e. Others	See Annex 1		
2.1.2	Environmental impact assessment as an official requirement (Y/N list, year)	Y	1997	
2.1.2	Health impact assessment as part of EIA (Y/N list, year)			
2.1.3	Policies for decentralization such as for environmental health and monitoring (Y/N list, year)			
2.1.3	Policies for privatization such as for environmental health and monitoring (Y/N list, year)			
2.2.1	Organizational structure for environmental health (separate sheet)	Environmental Health Department (Ministry of the Environment)		
2.2.2	List of agencies and partners for environmental health other than government (separate sheet)	Environmental Restoration and Conservation Agency		
2.2.3	List of government agencies and their functions (separate sheet as a table matrix)			
2.3	Relevant international conventions/agreements (List, year signed/ratified)	<ul style="list-style-type: none"> • Stockholm Convention Persistent Organic Pollutants (2002 Ratified) • Rotterdam 		

	INDICATORS	DATA	Year	Source
		Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade (2004 Ratified)		
	INDICATORS	DATA	Year	Source
3	Human Resources Development Programs			
3.1	Environmental Health workforce			
	- environmental health officers			
	- health/sanitary inspectors			
	- assistant sanitarians			
	- environmental engineers			
	- sanitary engineers			
	- pollution control officers			
	- others			
3.2	Tertiary degrees related to environmental health (Y/N list)			
3.2	Short courses and duration related to environmental health (Y/N list)			
3.3	Government certification for environmental workforce (Y/N list)			
3.4	Professional associations related to environmental health (Y/N list, memberships)			
3.4	International associations' local affiliates (Y/N list, memberships)			
	INDICATORS	DATA	Year	Source
4	Priority Environmental Health Issues			
4.1	Soil erosion (mm/year)			
4.1	Fertilizer consumption (metric tons/year)			
4.1	Pesticide consumption (metric tons/year)	244000 ton/year	2004	
4.1	Banned pesticides used (number)			
4.1	Water resources withdrawal for irrigation (annual withdrawal as percentage of total water resources)			
4.1	Irrigated agricultural area (1000 ha)			
4.2 - 4.6	Inputs from Chapter 1			

	INDICATORS	DATA	Year	Source
4.6	Carbon dioxide emissions (per capita metric tons)			
4.6	Consumption of ozone-depleting CFCs (ODP metric tons)	0	2003	Data Report by the Parties of the Montreal Protocol to the Ozone Secretariat

ATTACHMENTS

Reference

Environmental/Health Acts promulgated: (Y/N list, year)

a. Water

- Water Pollution Control Law (1970)
- The Law Concerning Special Measures for the Preservation of Lake Water Quality (1984)
- Law Concerning Special Measures for the Protection of Water Quality in Water Resources Area for the Purpose of Preventing Specific Trouble (1994)
- Law Concerning Special Measures for Conservation of the Environment of the Seto Inland Sea (1973)
- Law Concerning Special Measures for the Restoration of the Ariake and Yatsushiro Seas (2002)
- Industrial Water Law (1956)
- Law Concerning the Regulation of Pumping-up of Groundwater for Use in Buildings (1962)

b. Air

- Air Pollution Control Law (1968)

c. Solid Waste

- Fundamental Law for Establishing a Sound Material-Cycle Society (2000)
- Waste Management and Public Cleansing Law (1970)
- Law for the Promotion of Recyclable Resources (1991)
- Law for Promotion of Sorted Collection and Recycling of Containers and Packaging (1995)
- Law for the Recycling of Specified Kinds of Home Appliances (1998)
- Law for the Promotion of the Utilization of Recyclable Food Resources (2000)
- Law for the Recycling of Construction Materials (2000)
- Law for the Recycling of End-of-Life Vehicles (2002)
- Law on Special Measures Concerning Removal of Environmental Problems Caused by Specified Industrial Wastes (2003)

d. Toxic chemicals/Hazardous Waste

- Law Concerning Special Measure against PCB (2001)
- Law for the Control of Export Import and Others of Specified Hazardous Wastes and Other Wastes (1992)
- Law concerning the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (1973)
- Law Concerning Reporting, etc. of Releases to the Environment of Specific Chemical Substances and Promoting Improvements in Their Management (1999)

e. Others

- Johkasou Law (1983)
- Pollution-Related Health Damage Compensation Law (1973)