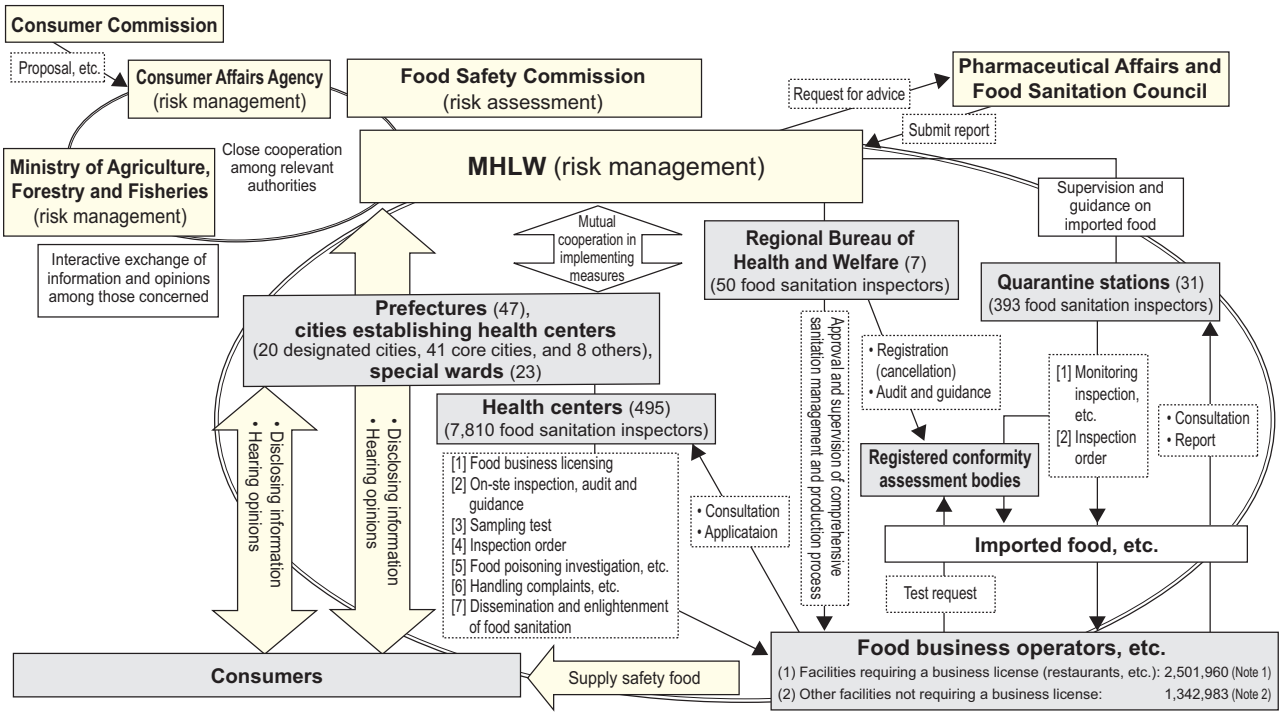
[3] Living Environment

Food Safety Administration

Overview

Food Safety Administration



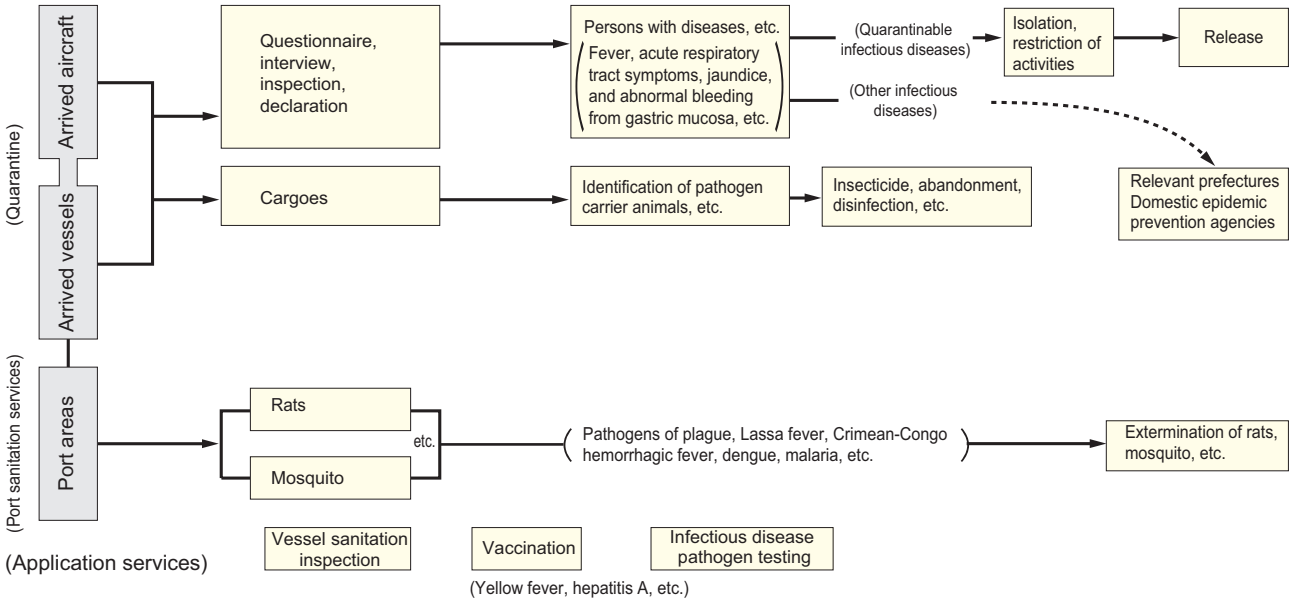
* The number of quarantine stations (including the number of food sanitation inspectors) is of March 31, 2012, the number of Regional Bureau of Health and Welfare (including the number of food sanitation inspectors), prefectures, cities establishing health centers, special wards, and health centers is of April 1, 2012, and the number of sanitation inspectors at health centers and facilities of food business operators, etc. is of March 31, 2011.

Note 1: Excluding some regions of Miyagi and Fukushima Prefectures.

Note 2: Excluding some regions of Miyagi and Fukushima Prefectures.

Quarantine Process

Overview **Quarantine Process**



Detailed Data 1 **Quarantine Station (as of April 1, 2012)**

		Seaport	Airport	Total
Main stations	◎	11	2	13
Branch stations	○	7	7	14
Local offices	●	63	20	83
Total		81	29	110
Ports with quarantine stations		89	29	118

Detailed Data 2 **Quarantine results (2010)**

Quarantined vessels	Quarantined persons	Quarantined aircarft	Quarantined persons
(vessel)	(person)	(aircraft)	(person)
61,286	2,079,838	168,050	30,329,315

Detailed Data 3 **Imported food notification/inspection results (FY2010)**

Import	Inspection	Inspection rate	Violation	Violation rate
(case)	(case)	(%)	(case)	(%)
2,001,020	247,047	12.3	1,376	0.1

Source: “Statistics of Imported Food in Japan", Department of Food Safety, Pharmaceutical and Food Safety Bureau, MHLW

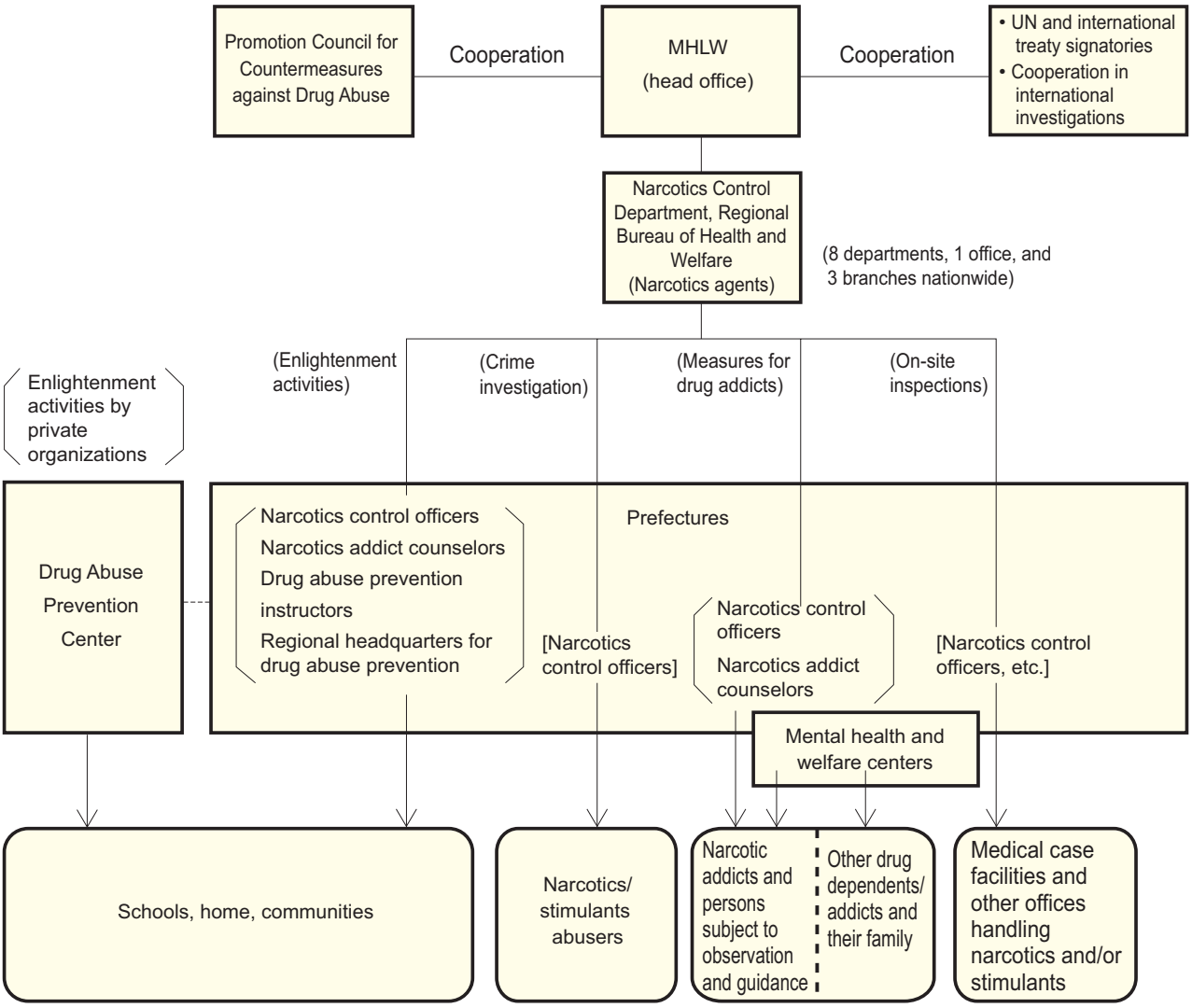
Narcotics Measures

Overview

Recent Situations

- Stimulant (methamphetamine) offenders account for most of the drug abuse offenders in Japan (approximately 80% of all drug abuse offenders)
- The number of cleared stimulant offenders was 12,200 in 2010
- Cannabis abuse remains at high level

Structural Chart of Countermeasures against Drug Abuse



While narcotics used as analgesics for cancer patients and psychotropics such as hypnotics and antianxiety drugs have important roles in medicine, they can cause significant harm, if illegally abused, not only to the health of abusers but also to the entire society.

Efforts are therefore being made in taking various measures in a comprehensive manner, including stabilizing the supply and demand of medical narcotics and drug abuse countermeasures such as enhanced enlightenment activities, reinforced law enforcement, promotion of re-abuse prevention, and promotion of international cooperation.

Detailed Data **Changes in Drug Crimes**

Year	Narcotics and Psychotropic Control Act		Opium Act		Cannabis Control Act		Stimulants Control Act	
	Number of cases	Number of persons	Number of cases	Number of persons	Number of cases	Number of persons	Number of cases	Number of persons
1951	1,524	2,208	-	-	18	24	18,711	17,528
1952	1,190	1,642	-	-	39	51	21,727	18,521
1953	1,030	1,462	-	-	8	9	38,763	38,514
1954	1,527	2,092	25	30	16	17	53,221	55,664
1955	1,280	1,753	157	181	42	52	30,670	32,140
1956	1,060	1,575	128	140	27	33	4,876	5,047
1957	1,013	1,365	144	173	25	29	787	781
1958	1,616	2,073	63	76	7	13	268	271
1959	1,394	1,714	137	147	28	30	332	372
1960	1,667	1,987	310	315	9	10	426	476
1961	2,023	2,442	190	199	22	24	459	477
1962	1,773	2,176	203	208	34	34	530	546
1963	2,135	2,571	402	417	144	147	1,061	971
1964	707	792	419	425	158	164	973	860
1965	1,035	1,090	890	902	255	259	885	735
1966	899	974	917	920	157	158	847	694
1967	592	658	702	705	301	298	841	675
1968	298	361	136	1,148	392	410	1,091	775
1969	210	239	377	377	426	413	915	704
1970	212	245	230	230	707	733	2,453	1,682
1971	256	229	207	202	831	717	4,431	2,634
1972	354	341	253	251	853	726	7,702	4,777
1973	455	429	310	287	779	761	14,260	8,510
1974	436	393	176	171	781	720	9,771	6,119
1975	268	232	158	140	971	909	13,590	8,422
1976	195	165	184	185	1,064	960	17,929	10,919
1977	201	125	191	191	1,225	1,096	24,022	14,741
1978	136	102	140	142	1,711	1,253	30,287	18,027
1979	147	103	217	217	1,573	1,314	31,991	18,552
1980	241	158	269	264	1,745	1,433	33,808	20,200
1981	144	98	261	262	1,696	1,346	36,855	22,331
1982	169	100	273	270	1,550	1,244	38,231	23,719
1983	129	89	406	408	1,593	1,231	37,562	23,635
1984	223	132	201	197	1,715	1,391	37,739	24,372
1985	168	138	449	443	1,597	1,273	36,115	23,344
1986	166	118	440	397	1,624	1,337	32,664	21,408
1987	149	99	388	355	1,732	1,395	31,301	20,966
1988	165	126	217	213	2,033	1,570	30,229	20,716
1989	340	248	186	168	1,815	1,470	23,657	16,866
1990	331 (2)	240 (2)	113	111	2,091	1,620	20,095	15,267
1991	413 (50)	271 (29)	120	126	2,020	1,505	22,047	16,330
1992	485 (101)	331 (55)	102	91	2,347	1,639	21,208	15,311
1993	479 (111)	353 (84)	163	132	2,871	2,055	21,671	15,495
1994	551 (130)	343 (91)	254	222	2,675	2,103	20,056	14,896
1995	572 (97)	334 (64)	229	172	2,314	1,555	23,731	17,364
1996	528 (107)	275 (78)	190	141	2,098	1,306	26,959	19,666
1997	451 (80)	238 (63)	222	161	1,874	1,175	27,152	19,937
1998	565 (64)	280 (44)	182	134	2,119	1,316	22,753	17,084
1999	522 (75)	286 (57)	168	128	1,764	1,224	24,419	18,491
2000	498 (67)	254 (35)	122	67	1,815	1,224	26,227	19,156
2001	586 (48)	271 (42)	90	49	2,321	1,525	25,060	18,110
2002	709 (59)	327 (37)	93	55	2,677	1,873	23,474	16,964
2003	1,027 (52)	530 (26)	89	55	2,925	2,173	20,343	14,797
2004	1,224 (77)	635 (52)	91	68	3,125	2,312	17,955	12,397
2005	1,252 (43)	606 (35)	33	13	2,951	2,063	20,273	13,549
2006	1,214 (48)	611 (45)	50	27	3,369	2,423	17,480	11,821
2007	1,170 (125)	542 (39)	63	47	3,338	2,375	17,169	12,211
2008	1,207 (45)	601 (46)	26	21	3,927	2,867	16,043	11,231
2009	844 (37)	429 (31)	34	28	4,057	3,087	16,468	11,873
2010	760 (56)	375 (43)	30	23	3,151	2,367	17,163	12,200

Source: Statistics by MHLW, National Police Agency, and Japan Coast Guard
(Note) The figures in parentheses indicate the numbers for Psychotropic cases.

Water Supply Administration

Overview Outline of Water Supply Administration

The Water Supply Act sets standards for water quality and water supply facilities and specifies rules for the operation and management of the water supply service to ensure a stable supply of safe water.

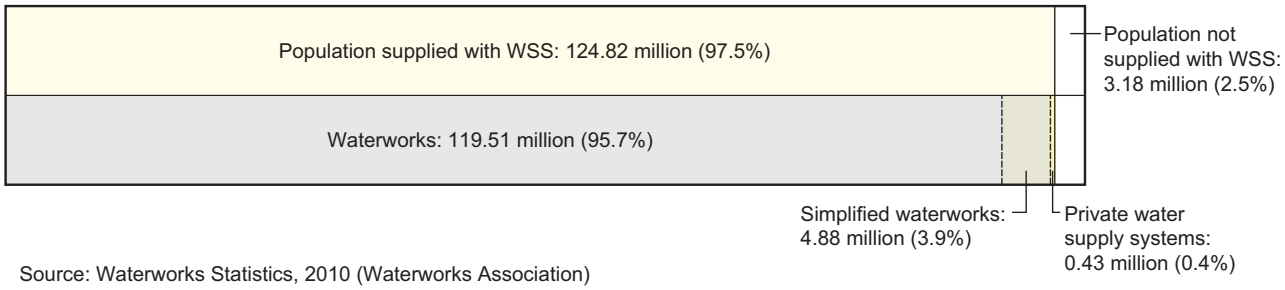
Detailed Data 1 Types of Water Supply Systems

<table>
<tr><td rowspan="2">Water supply systems</td><td>Waterworks (1,443 systems)</td><td rowspan="2">• Supply of water for general needs
• Managed by municipalities, in principle
• Requires authorization by the Minister of Health, Labour and Welfare or prefectural governors</td><td>Supply for population of 5,001 and over</td></tr>
<tr><td>Simplified waterworks (6,687 systems)</td><td>Supply for population of 101-5,000</td></tr>
<tr><td colspan="2">Bulk water supply systems (98 systems)</td><td colspan="2">Wholesale of purified water to waterworks suppliers.
Mostly managed by prefectures or groups of municipalities.
Requires authorization by the Minister of Health, Labour and Welfare or prefectural governors.</td></tr>
<tr><td colspan="2">Private water supply systems (7,950 systems)</td><td colspan="2">Supply of water for private use with supply for population of 101 or more, or with the maximum daily water supply volume of more than 20m^3.
Requires confirmation of design by the prefectural governor for installation (or report to the Minister of Health, Labour and Welfare for those installed by the government).</td></tr>
<tr><td colspan="2">Small scale private water supply systems</td><td colspan="2">Supply of water from tanks installed in office buildings, apartment houses, etc. (effective volume of the tanks being more than 10m^3) where the source is only from waterworks suppliers.</td></tr>
</table>

Source: Waterworks Statistics, 2010 (Waterworks Association)
(Note) The number of systems is of the end of FY2010.

Detailed Data 2 Breakdown of the Population Covered by Water Supply System (WSS)

(As of the end of FY2010)



Source: Waterworks Statistics, 2010 (Waterworks Association)

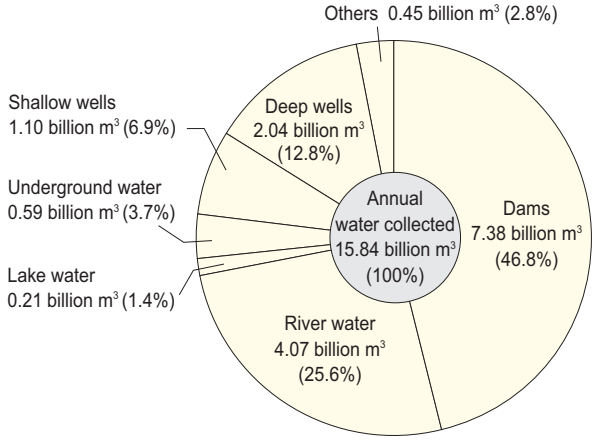
Detailed Data 3 Changes in Volume of Water Supply in Waterworks

	1975	1980	1985	1990	1995	2000	2005	2010
Total population (thousand persons)	112,279	116,860	121,005	123,557	125,424	126,901	127,709	128,000
Populaton supplied with waterworks (thousand persons)	88,065	97,620	104,135	108,885	112,496	115,533	117,788	119,505
Average volume per day (1,000 m^3)	32,871	35,623	39,498	43,348	44,423	44,350	42,932	41,482
Average volume per day per person (L)	372	361	376	394	391	381	363	346
Maximum volume per day (thousand m^3)	42,211	45,500	50,193	54,149	54,635	53,103	50,054	48,149
Maximum volume per day per person (L)	480	461	477	493	482	457	423	401

Source: Waterworks Statistics, 2010 (Waterworks Association)

Detailed Data 4 Percentage Distribution of Source of Water Supply

(Total of waterworks + bulk water supply systems) (FY2010)



Source: Waterworks Statistics, 2010 (Waterworks Association)

Detailed Data 5 Water Quality Standards Items and Values

No.	Item	Standard value
1	Common Bacteria	Number of colonization of 100 or less per 1mL
2	Escherichia coli	Not to be detected
3	Cadmium and compounds	0.003 mg/L or less (volume of cadmium)
4	Mercury and compounds	0.0005 mg/L or less (volume of mercury)
5	Selenium and compounds	0.01 mg/L or less (volume of selenium)
6	Lead and compounds	0.01 mg/L or less (volume of lead)
7	Arsenic and compounds	0.01 mg/L or less (volume of arsenic)
8	Chromium [VI] compounds	0.05 mg/L or less (volume of chromium [VI])
9	Cyanide ion and Cyanogen chloride	0.01 mg/L or less (volume of cyanogen)
10	Nitrate and Nitrite	10 mg/L or less
11	Fluoride and compounds	0.8 mg/L or less (volume of fluoride)
12	Boron and compounds	1.0 mg/L or less (volume of boron)
13	Carbon tetrachloride	0.002 mg/L or less
14	1,4-dioxane	0.05 mg/L or less
15	cis-1,2-Dichloroethylene and trans-1,2-Dichloroethylene	0.04 mg/L or less
16	Dichloromethane	0.02 mg/L or less
17	Tetrachloroethylene	0.01 mg/L or less
18	Trichloroethylene	0.01 mg/L or less (the standard value was reinforced in 2011 from 0.03 mg/L)
19	Benzene	0.01 mg/L or less
20	Chlorate	0.6 mg/L or less
21	Chloroacetic acid	0.02 mg/L or less
22	Chloroform	0.06 mg/L or less
23	Dichloroacetic acid	0.04 mg/L or less
24	Dibromochloromethane	0.1 mg/L or less
25	Bromate	0.01 mg/L or less
26	Total trihalomethane (Total concentration of Chloroform, Dibromochloromethane, Bromodichloromethane and Bromoform)	0.1 mg/L or less
27	Trichloroacetic acid	0.2 mg/L or less
28	Bromodichloromethane	0.03 mg/L or less
29	Bromoform	0.09 mg/L or less
30	Formaldehyde	0.08 mg/L or less
31	Zinc and compounds	1.0 mg/L or less (volume of zinc)
32	Aluminum and compounds	0.2 mg/L or less (volume of aluminum)
33	Iron and compounds	0.3 mg/L or less (volume of iron)
34	Copper and compounds	1.0 mg/L or less (volume of copper)
35	Sodium and compounds	200 mg/L or less (volume of sodium)
36	Manganese and compounds	0.05 mg/L or less (volume of manganese)
37	Chloride ion	200 mg/L or less
38	Calcium,Magnesium(Hardness)	300 mg/L or less
39	Total residue	500 mg/L or less
40	Anionic surface active agent	0.2 mg/L or less
41	(4S,4aS, 8aR)-Octahydro-4,8a-Dimethylenaphtalen-4a(2H)ol (Alias: Geosmin)	0.00001 mg/L or less
42	1,2,7,7-Tetramethylbicyclo [2,2,1]Heptane -2-ol (Alias: 2-Methylisobolneol)	0.00001 mg/L or less
43	Nonionoc surface active agent	0.02 mg/L or less
44	Phenols	0.005 mg/L or less (converted to the volume of phenols)
45	Organic substances (Total Organic Carbon)	3 mg/L or less
46	pH Value	5.8-8.6
47	Taste	Not abnormal
48	Odor	Not abnormal
49	Color	5 degrees or less
50	Turbiduty	2 degrees or less

Detailed Data 6 Percentage Distribution of Water Treatment Methods

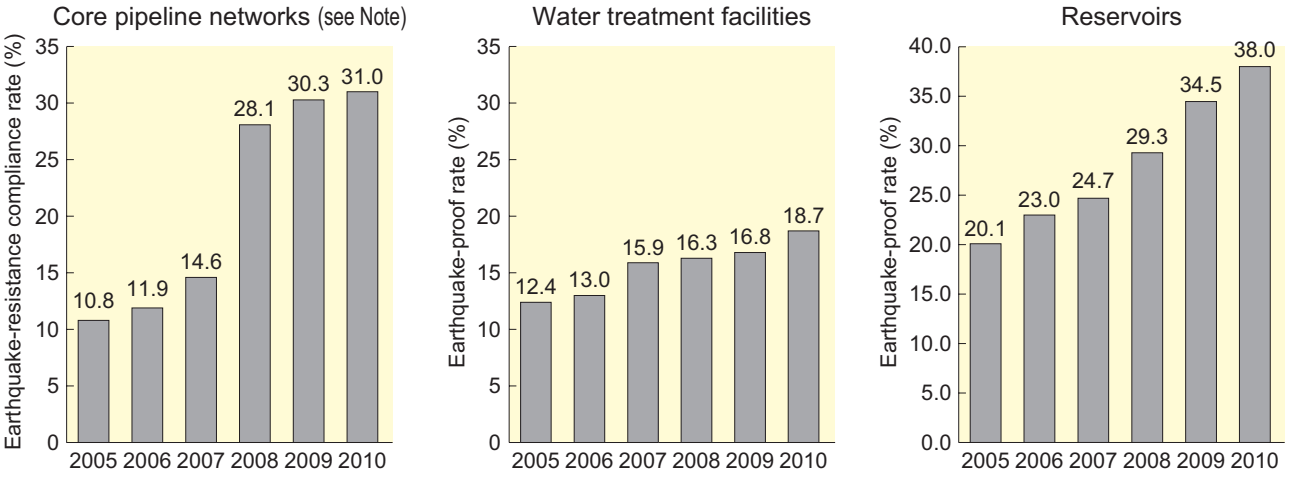
Disinfection treatment only	Slow sand filtration	Rapid sand filtration	Membrane filtration	Advanced water treatment and others (included)
17.8%	3.4%	77.5%	1.3%	34.1%

Advanced water treatment facilities are supplementary to disinfection treatment only, slow sand filtration, rapid sand filtration, and membrane filtration facilities and thus the figure is given as a included number. “Advanced water treatment” includes ozonation, activated carbon treatment, biological treatment, and aeration, etc.

(As of the end of FY2010)

Source: Waterworks Statistics, 2010 (Waterworks Association)

Detailed Data 7 Status with Earthquake-Resistance of Waterworks

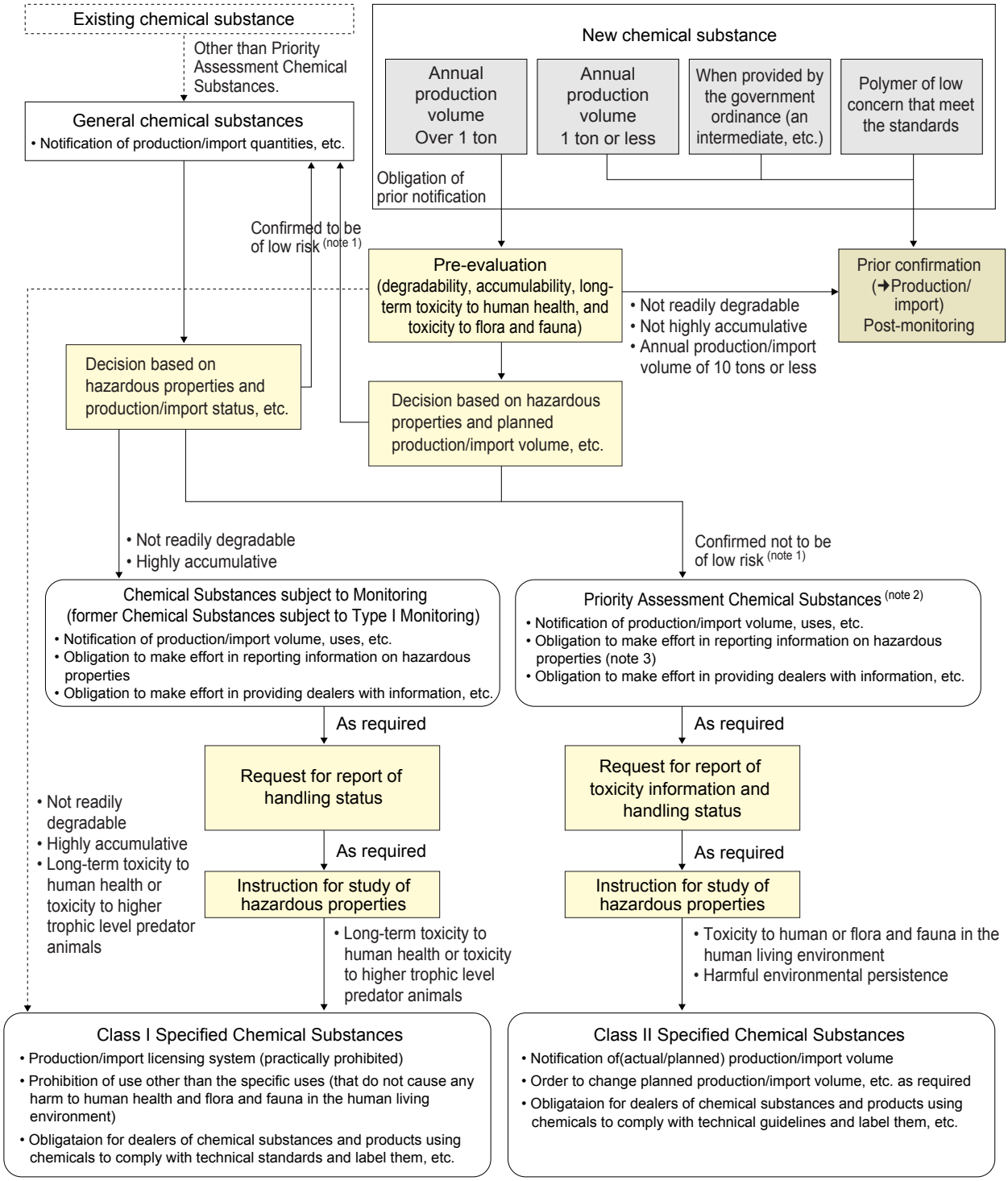


(Note) The figures indicate the percentage of pipes that were earthquake-resistant (earthquake-proof rate) up to FY2006 and the percentage of pipes that meet earthquake-resistance standards (earthquake-resistant pipes + non-earthquake-resistant pipes but which are situated in better ground and are therefore considered to be earthquake-resistant) (earthquake-resistance compliance rate) from FY2007 on

Chemical Substance Safety Measures

Overview

Outline of Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc. (from April 2011)



Note 1) The “risk” in this chart indicates that substances may have “long-term toxicity to human health or toxicity to or flora and fauna in the human living environment” and “”harmful environmental persistence” according to the requirements of Class II Specified Chemical Substances.

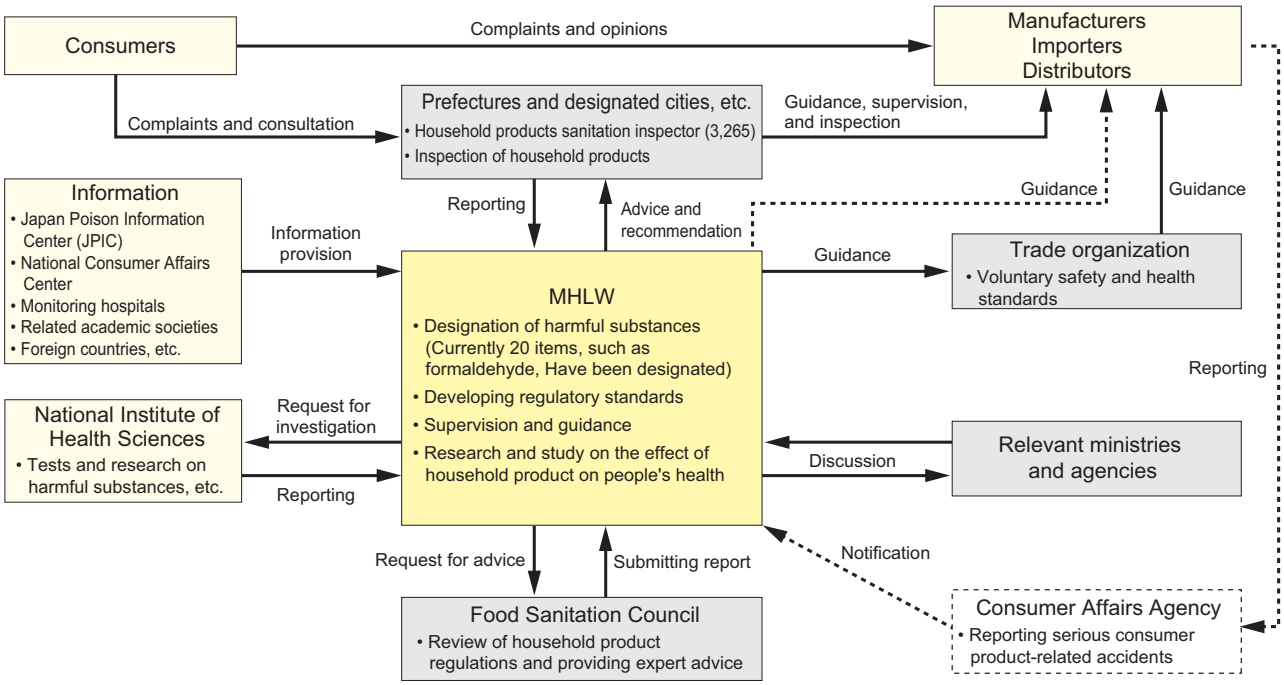
Note 2) Chemical Substances subject to Type II and III Monitoring were abolished. Substances in these categories were designated as Priority Assessment Chemical Substances, as required, considering production/import volume, uses, etc..

Note 3) Also applies to Class II Specified Chemical Substances.

Household Product Safety Measures

Overview **Outline of the Control System of Household Products Containing Harmful Substances**

For the purpose of preventing health hazards caused by chemical substances contained in household products such as cleaners and aerosol products (atomizing corpuscular contents in the air) as well as textile products for clothing. The Ministry of Health, Labour and Welfare is authorized to designate products as containing “harmful substances” in accordance with the Act on Control of Household Products Containing Harmful Substances. Moreover, the Ministry sets forth standards for regulating the quantity of such harmful substances in household products that contain them so as to ensure the safety of household products.

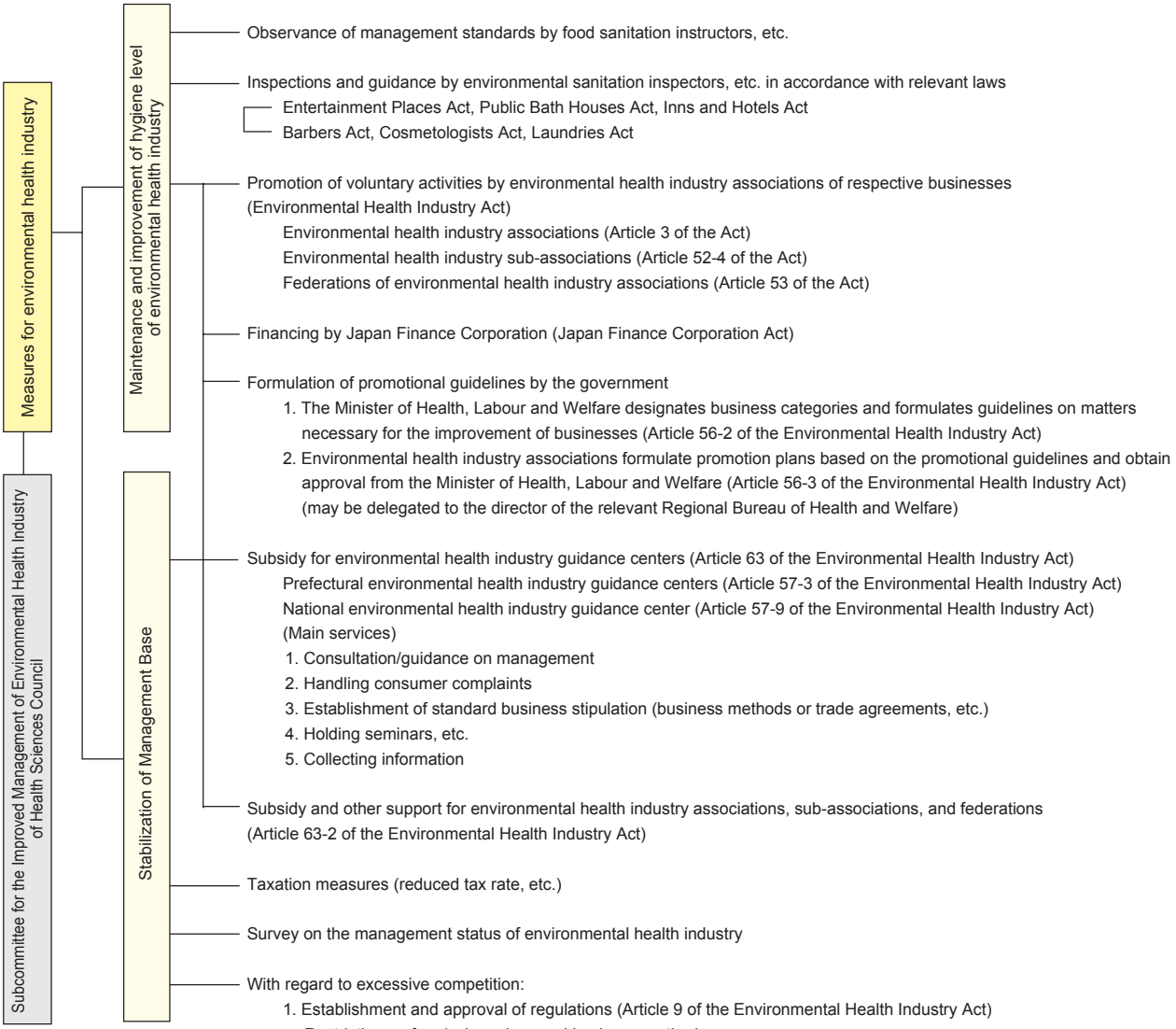


(Note) The number of household products sanitation inspectors is as of April 1, 2011.
* - Obligation in accordance with the Consumer Product Safety Act

Environmental Health Industry

Overview

Structural Chart of Measures for Improvement of Environmental Health Industry



Detailed Data **Changes in Number of Environmental Health Industry Facilities (Actual Numbers)**

	1996	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Total	2,542,613	2,549,560	2,567,847	2,618,565	2,617,007	2,604,773	2,590,794	2,570,853	2,568,310	2,560,450	2,535,169	2,506,214	2,482,593	2,423,003
Entertainment places	4,873	5,024	5,092	5,179	5,160	5,113	5,032	5,063	5,034	5,001	4,987	4,959	4,921	4,849
Included: Movie theater	1,943	1,938	1,984	2,024	1,976	1,920	1,822	1,860	1,839	1,815	1,761	1,750	1,702	1,654
Included: Sports facilities	368	383	379	396	405	404	401	397	387	384	392	401	394	373
Included: Others	2,562	2,703	2,729	2,759	2,779	2,789	2,809	2,806	2,808	2,802	2,834	2,808	2,825	2,822
Hotels and inns	105,473	102,854	101,494	99,176	97,267	94,908	92,744	90,343	87,927	86,818	85,566	84,411	82,952	81,006
Included: Hotels	7,412	7,944	8,110	8,220	8,363	8,518	8,686	8,811	8,990	9,180	9,442	9,603	9,688	9,629
Included: Inns	70,393	67,891	66,766	64,831	63,388	61,583	59,754	58,003	55,567	54,107	52,295	50,846	48,966	46,906
Included: Lodging houses	25,571	25,150	24,778	24,354	23,883	23,268	22,931	22,475	22,396	22,590	22,900	23,050	23,429	23,719
Included: Boardinghouses	2,097	1,869	1,840	1,771	1,633	1,539	1,373	1,054	974	941	929	912	869	752
Public bath houses	26,009	26,744	26,870	26,732	26,827	26,706	26,831	27,074	27,674	28,753	28,792	28,523	28,154	27,653
Included: Ordinary public bath houses	9,461	8,790	8,422	8,117	7,851	7,516	7,324	7,130	6,653	6,326	6,009	5,722	5,494	5,449
Included: Private room style	1,341	1,328	1,320	1,329	1,343	1,343	1,346	1,343	1,364	1,340	1,367	1,406	1,358	1,364
Included: Health centers	1,653	1,911	2,010	2,041	2,086	2,167	2,291	2,287	2,396	2,359	2,331	2,340	2,355	2,346
Included: Sauna baths	2,920	2,671	2,583	2,433	2,362	2,181	2,140	2,169	2,070	2,299	2,334	2,276	2,082	1,975
Included: Sports facilities	...	...	...	...	...	...	...	...	2,650	2,958	3,090	3,241	3,238	3,251
Included: Others	10,634	12,044	12,535	12,812	13,185	13,499	13,730	14,145	12,541	13,471	13,661	13,538	13,627	13,268
Barber shops	142,718	142,786	141,321	140,911	140,599	140,374	140,130	139,548	138,855	137,292	136,768	135,615	134,552	130,755
Beauty salons	196,512	201,379	200,682	202,434	205,204	208,311	210,795	213,313	215,719	217,769	219,573	221,394	223,645	223,286
Laundries	163,554	163,999	163,027	162,347	159,801	157,112	155,109	150,753	147,395	143,989	141,190	137,097	133,584	126,924
Included: Ordinary laundry shops	49,563	48,103	47,324	46,595	45,848	44,505	44,041	42,664	41,998	40,638	39,632	38,165	37,393	35,329
Included: Agent stores	113,991	115,896	115,703	115,752	113,953	112,607	111,068	108,089	105,134	103,061	101,191	98,586	95,805	90,825
Included: Non-store agents	...	...	...	...	...	...	...	...	263	290	367	346	386	770
Restaurants	1,480,669	1,485,701	1,502,891	1,544,720	1,546,154	1,537,720	1,526,198	1,506,751	1,503,459	1,496,480	1,479,218	1,457,371	1,446,479	1,419,489
Coffee shops	239,282	245,868	252,134	263,940	267,671	271,536	275,202	282,853	289,088	293,402	291,587	292,889	285,967	270,933
Meat sales	179,810	171,734	170,922	169,766	165,101	159,919	155,791	152,317	150,397	148,324	144,981	141,571	140,065	135,973
Ice sales	3,713	3,471	3,414	3,360	3,223	3,074	2,962	2,838	2,762	2,622	2,507	2,384	2,274	2,135

Source: “Report on Public Health Administration and Services”, Statistics and Information Department, Minister's Secretariat, MHLW

(Note) 1. The figures up to FY1996 are as of the end of December of each year and the figures from FY1997 on are as of the end of March of the next year.

2. The figures for FY2010 do not include any municipalities other than Sendai City in Miyagi Prefecture and municipalities within the jurisdiction of Soma Public Health and Welfare Office in Fukushima Prefecture due to the impact of the Great East Japan Earthquake.