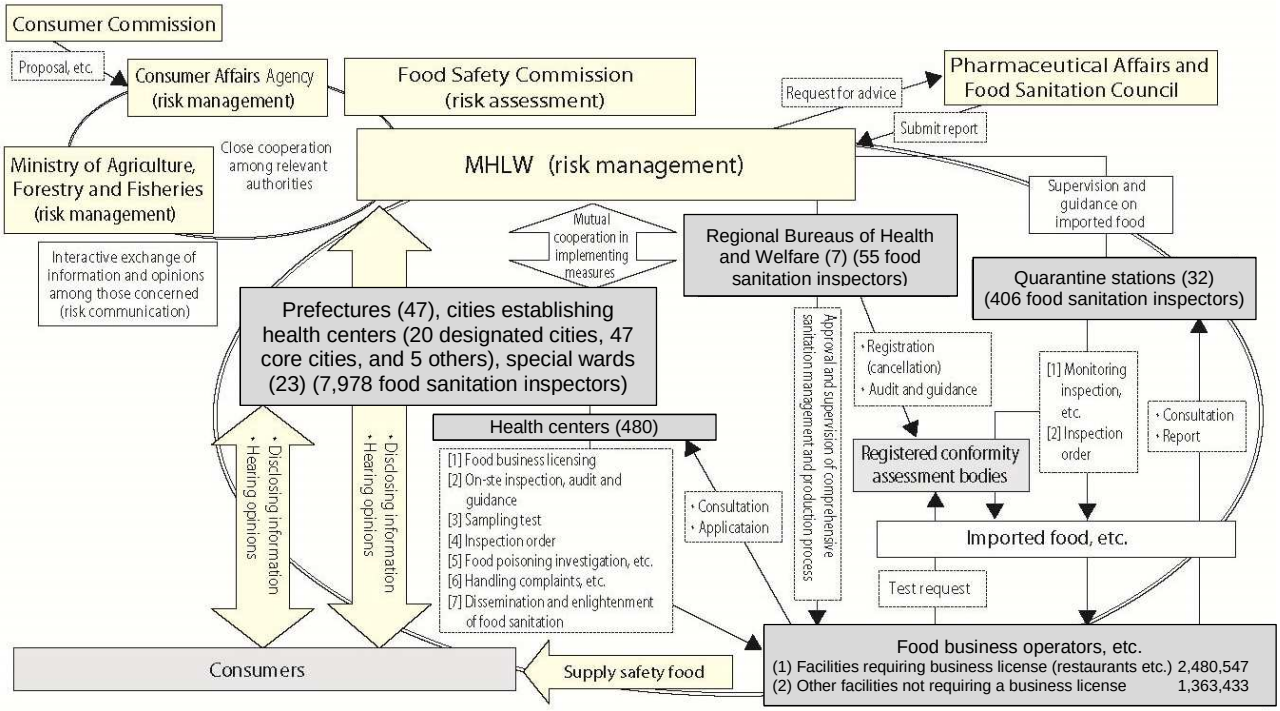
[3] Living Environment

Food Safety Administration

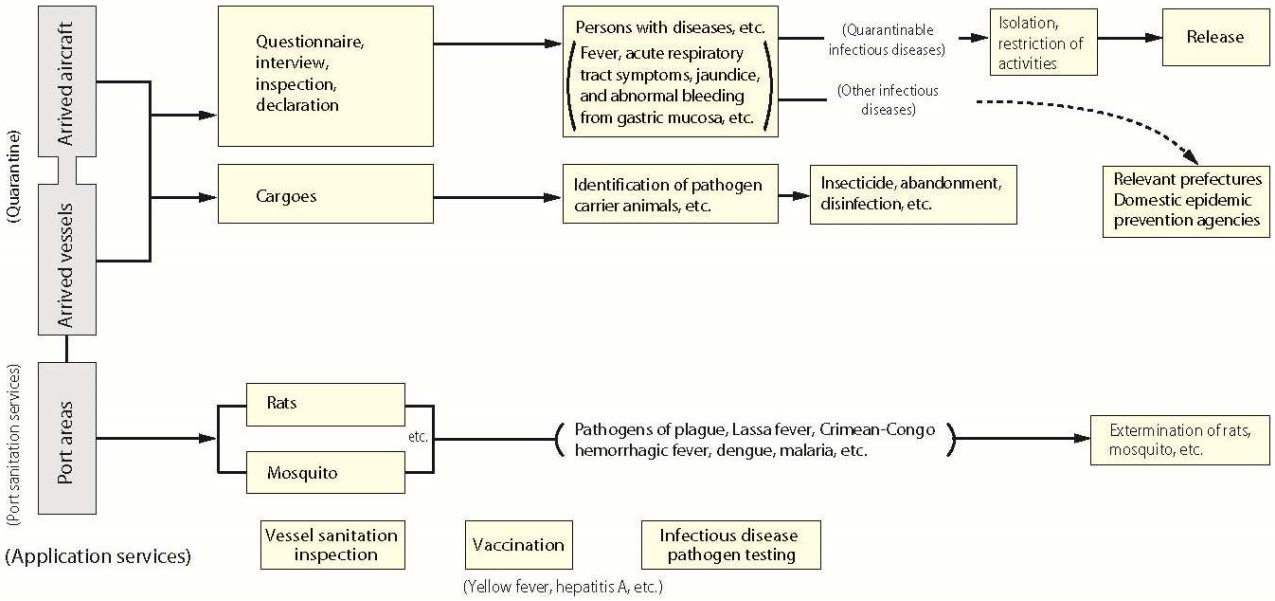
Overview **Food Safety Administration**



* The number of quarantine stations (including the number of food sanitation inspectors) is of the end of FY 2015, the number of Regional Bureaus 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, 2016, and the number of sanitation inspectors (excluding the number of quarantine stations and Regional Bureaus of Health and Welfare) and food business operators, etc. is of March 31, 2015.

Quarantine Process

Overview Quarantine Process



Detailed Data 1 Quarantine Station (as of April 1, 2016)

Item		Seaport	Airport	Total
Quarantine Stations	◎	11	2	13
Branch Offices	○	7	7	14
Detached Offices	●	62	21	83
Total		80	30	110
Ports with quarantine stations		89	30	119

Detailed Data 2 Quarantine results (2014)

Quarantined vessels	Quarantined persons	Quarantined aircraft	Quarantined persons
(vessel)	(person)	(aircraft)	(person)
55,586	2,280,994	210,648	35,757,036

Detailed Data 3 Imported food notification/inspection results (FY2014)

Number of notifications	Number of inspections	Inspection rate	Number of violations	Violation rate
		(%)		(%)
2,216,012	195,390	8.8	877	0.04

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

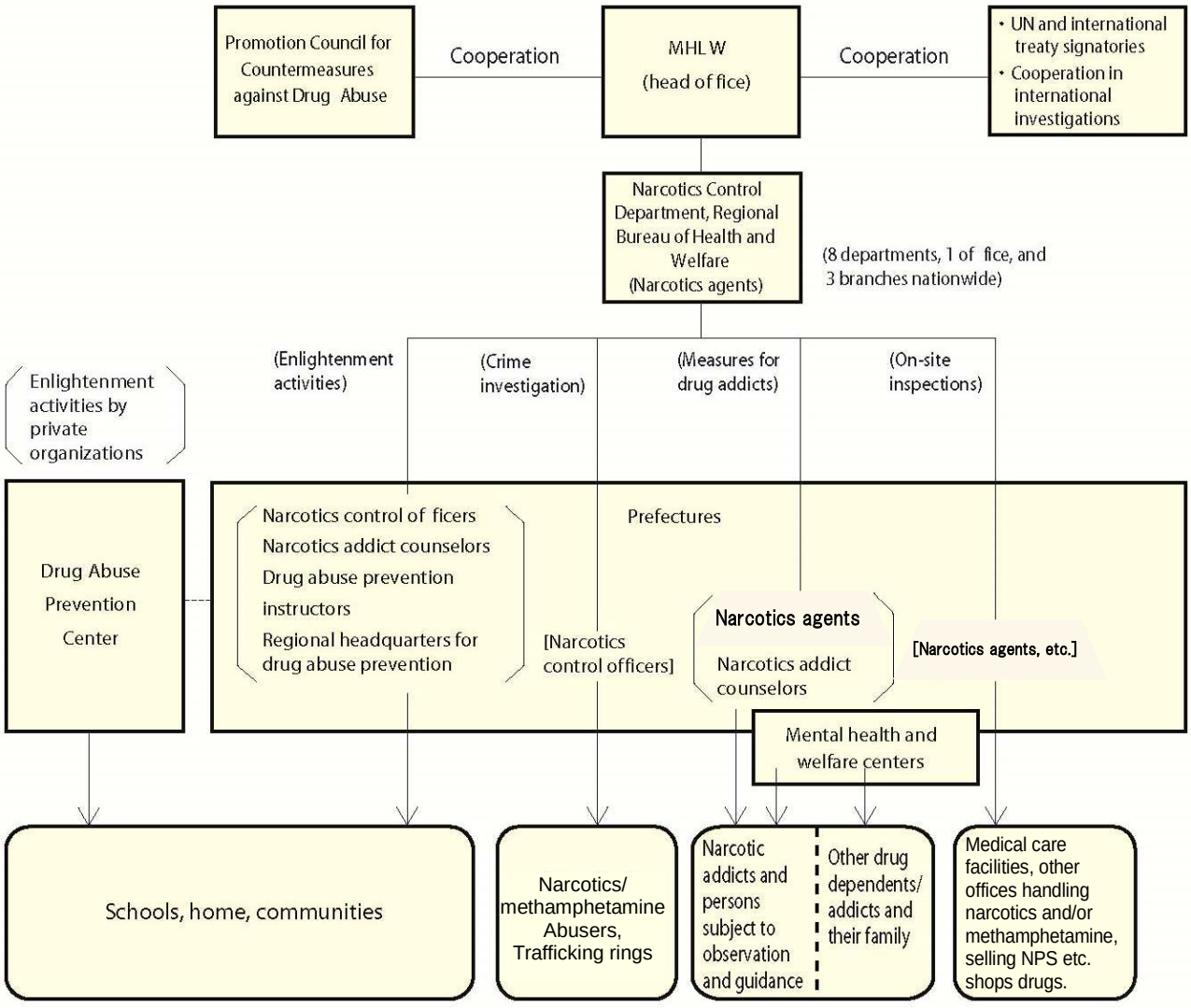
Narcotics Measures

Overview

Recent Situations

- Methamphetamine offenders account for most of the drug offenders in Japan (over 80% of all drug offenders)
- The number of methamphetamine offenders was 11,200 in 2015
- Cannabis offenders have exceeded 2,000 persons for the first time in 5 years.
- No. of NPS (New Psychoactive Substance) offenders was 1,276 in 2014.
- As a result of various measures taken, shops selling NPS drugs disappeared

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 Psychotropics Control Act		Opium Control Act		Cannabis Control Act		Stimulants (methamphetamine) 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	240	113	111	2,091	1,620	20,095	15,267
	(2)	(2)						
1991	413	271	120	126	2,020	1,505	22,047	16,330
	(50)	(29)						
1992	485	331	102	91	2,347	1,639	21,208	15,311
	(101)	(55)						
1993	479	353	163	132	2,871	2,055	21,671	15,495
	(111)	(84)						
1994	551	343	254	222	2,675	2,103	20,056	14,896
	(130)	(91)						
1995	572	334	229	172	2,314	1,555	23,731	17,364
	(97)	(64)						
1996	528	275	190	141	2,098	1,306	26,959	19,666
	(107)	(78)						
1997	451	238	222	161	1,874	1,175	27,152	19,937
	(80)	(63)						
1998	565	280	182	134	2,119	1,316	22,753	17,084
	(64)	(44)						
1999	522	286	168	128	1,764	1,224	24,419	18,491
	(75)	(57)						
2000	498	254	122	67	1,815	1,224	26,227	19,156
	(67)	(35)						
2001	586	271	90	49	2,321	1,525	25,060	18,110
	(48)	(42)						
2002	709	327	93	55	2,677	1,873	23,474	16,964
	(59)	(37)						
2003	1,027	530	89	55	2,925	2,173	20,343	14,797
	(52)	(26)						
2004	1,224	635	91	68	3,125	2,312	17,955	12,397
	(77)	(52)						
2005	1,252	606	33	13	2,951	2,063	20,273	13,549
	(43)	(35)						
2006	1,214	611	50	27	3,369	2,423	17,480	11,821
	(48)	(45)						
2007	1,170	542	63	47	3,338	2,375	17,169	12,211
	(125)	(39)						
2008	1,207	601	26	21	3,927	2,867	16,043	11,231
	(45)	(46)						
2009	844	429	34	28	4,057	3,087	16,468	11,873
	(37)	(31)						
2010	760	375	30	23	3,151	2,367	17,163	12,200
	(56)	(43)						
2011	669	346	16	12	2,402	1,759	17,109	12,083
	(79)	(63)						
2012	599	341	8	6	2,311	1,692	16,689	11,842
	(77)	(59)						
2013	920	540	11	9	2,144	1,616	15,472	11,127
	(62)	(56)						
2014	706	452	24	24	2,416	1,813	15,571	11,148
	(47)	(49)						
2015	813	516	7	4	2,825	2,167	16,168	11,200
	(69)	(42)						

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

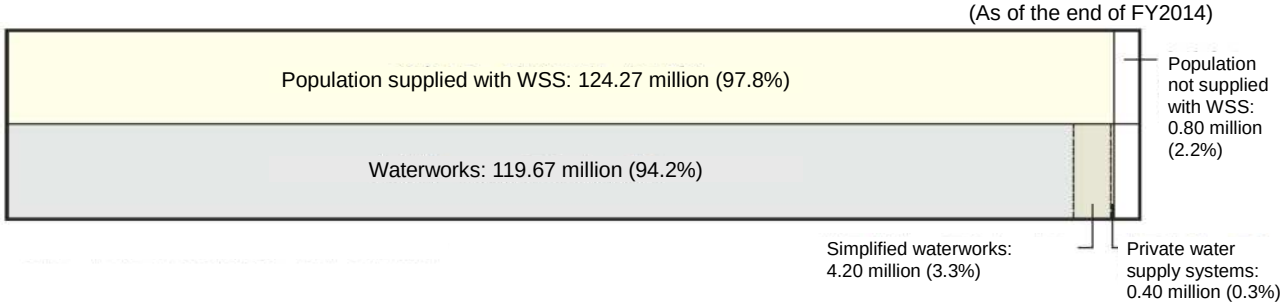
<table>
<tr><td rowspan="2">Water supply systems</td><td>Waterworks (1,388systems)</td><td rowspan="2">• Supply of water for general needs
• Managed by municipalities, in principle
• Requires authorization by the Minister of Health, Labour and Welfare or prefectural governors</td><td>Supply for population of 5,001 and over</td></tr>
<tr><td>Simplified waterworks (5,890 systems)</td><td>Supply for population of 101-5,000</td></tr>
<tr><td colspan="2">Bulk water supply systems (94 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 (8,186 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, FY2014 (Japan Water Works Association)

(Note) The number of systems is of the end of FY2014.

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

(As of the end of FY2014)



Source: Waterworks Statistics, FY2014 (Japan Water Works Association)

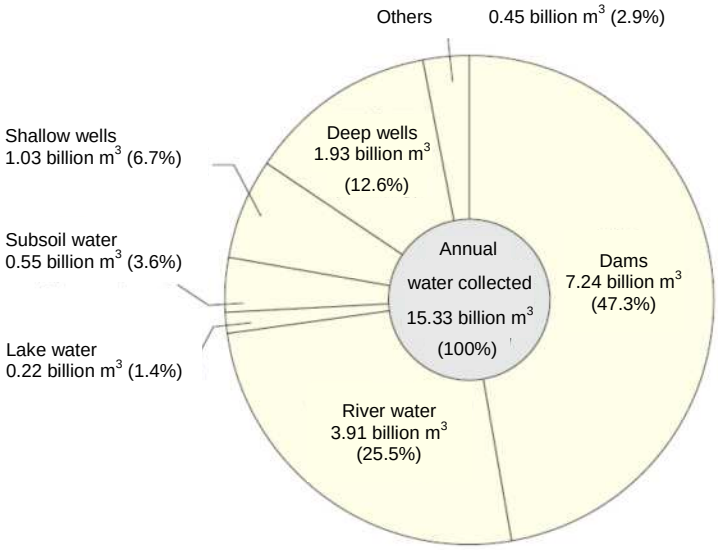
Detailed Data 3 Changes in Volume of Water Supply in Waterworks

	1975	1980	1985	1990	1995	2000	2005	2010	2012	2013	2014
Total population (1,000 persons)	112,279	116,860	121,005	123,557	125,424	126,901	127,709	128,000	127,440	127,255	127,069
Population supplied with waterworks (1,000 persons)	88,065	97,620	104,135	108,885	112,496	115,533	117,788	119,505	119,529	119,569	119,673
Average volume per day (1,000 m^3)	32,871	35,623	39,498	43,348	44,423	44,350	42,932	41,482	40,611	40,362	39,908
Average volume per day per person (L)	372	361	376	394	391	381	363	346	338	336	332
Maximum volume per day (1,000 m^3)	42,211	45,500	50,193	54,149	54,635	53,103	50,054	48,149	46,383	46,070	45,265
Maximum volume per day per person (L)	480	461	477	493	482	457	423	401	387	384	377

Source: Waterworks Statistics, FY2014 (Japan Water Works Association)

Detailed Data 4 Percentage Distribution of Source of Water Supply

(Total of waterworks + bulk water supply systems) (FY2014)



Source: Waterworks Statistics, FY2014 (Japan Water Works Association)

Detailed Data 5 Water Quality Standards Items and Values

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

(Enforced in April 1, 2015)

Detailed Data 6 Percentage Distribution of Water Treatment Methods

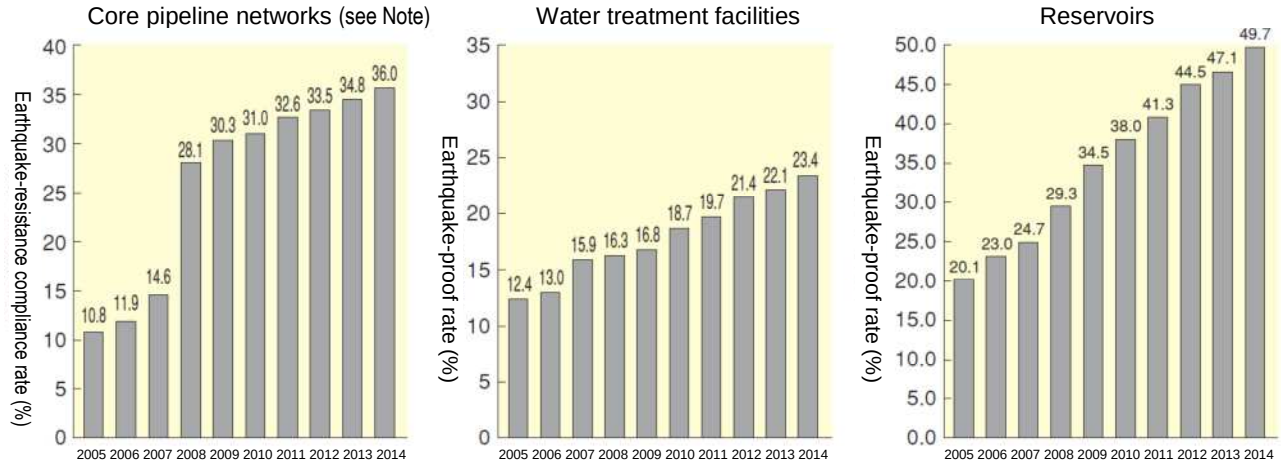
Disinfection treatment only	Slow sand filtration	Rapid sand filtration	Membrane filtration	Advanced water treatment and others (included)
17.0%	3.2%	78.2%	1.6%	33.4%

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 FY 2014)

Source: Waterworks Statistics, FY 2014 (Japan Water Works Association)

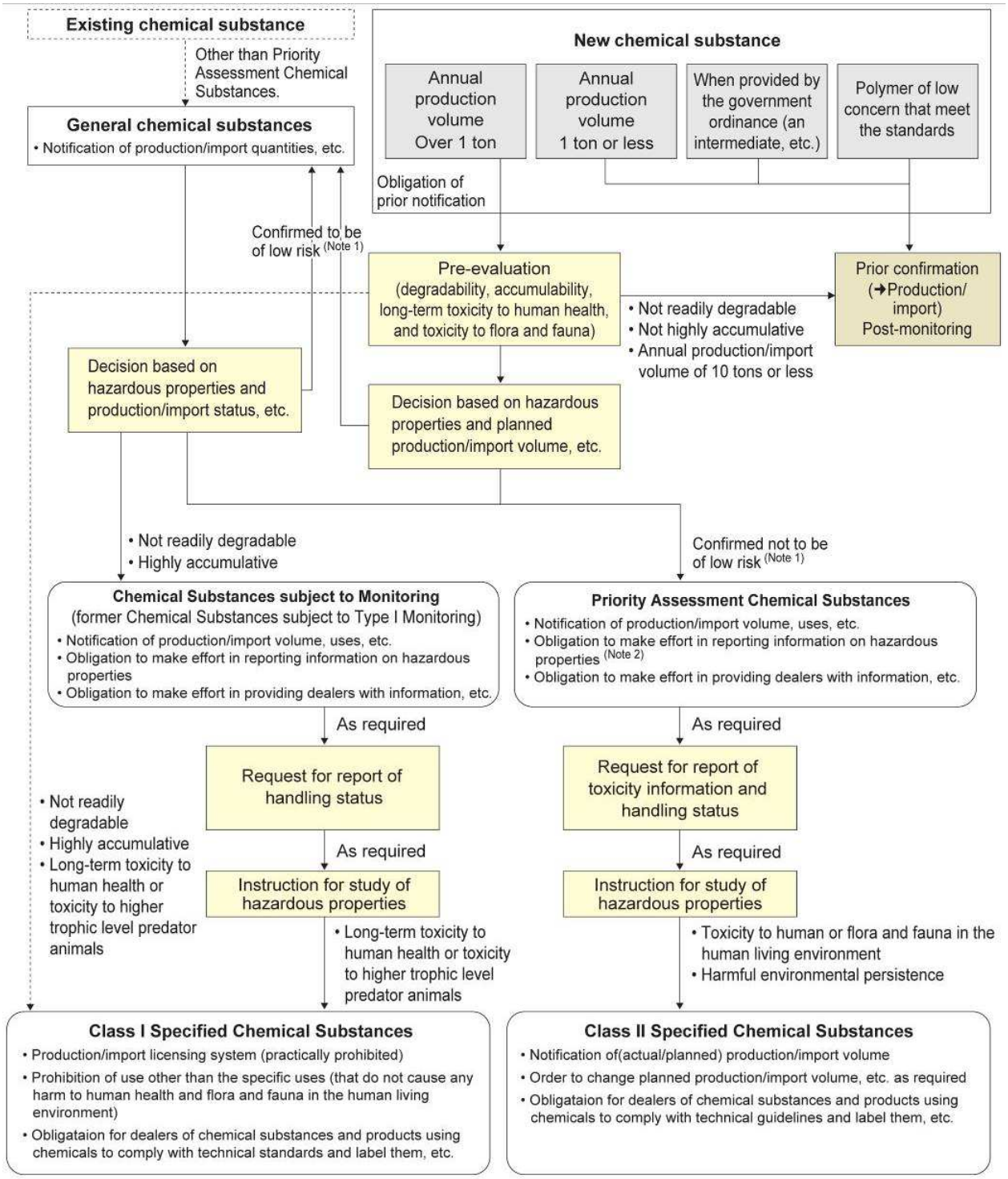
Detailed Data 7 Status with Earthquake-Resistance of Waterworks



(Note) The figures indicate the percentage of pipes that were earthquake-resistant (earthquake-proof rate) up to FY 2006 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 FY 2007 on.

Chemical Substance Safety Measures

Overview **Outline of the Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**

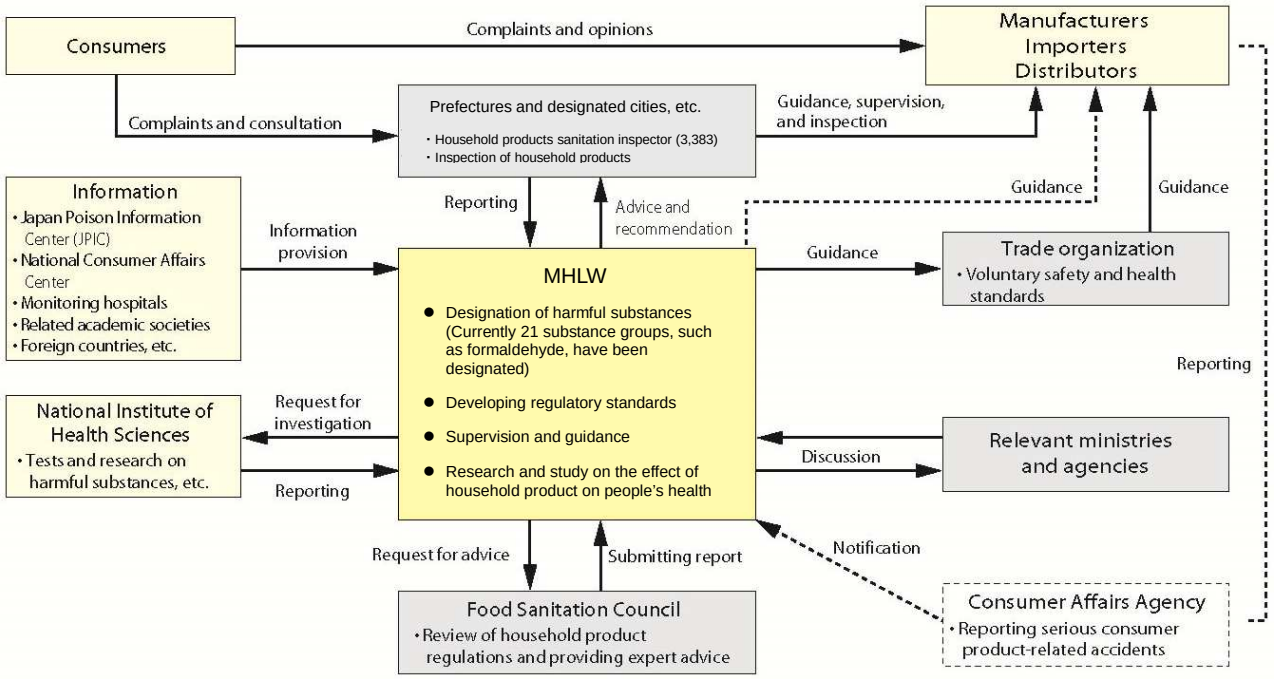


Note 1) The “risk” in this chart indicates that substances may have “long-term toxicity to human health or toxicity to or flora and fauna in the human living environment” and “”harmful environmental persistence” according to the requirements of Class II Specified Chemical Substances.
Note 2) Also applies to Class II Specified Chemical Substances.
Note 3) Obligation to report newly obtained information on hazardous properties also exists (excluding Class I Specified Chemical Substances).
Note 4) Guidance/advice on handling methods is provided as required. (Class II Specified Chemical Substances, Chemical Substances subject to Monitoring, Priority Assessment Chemical Substances).

Household Product Safety Measures

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

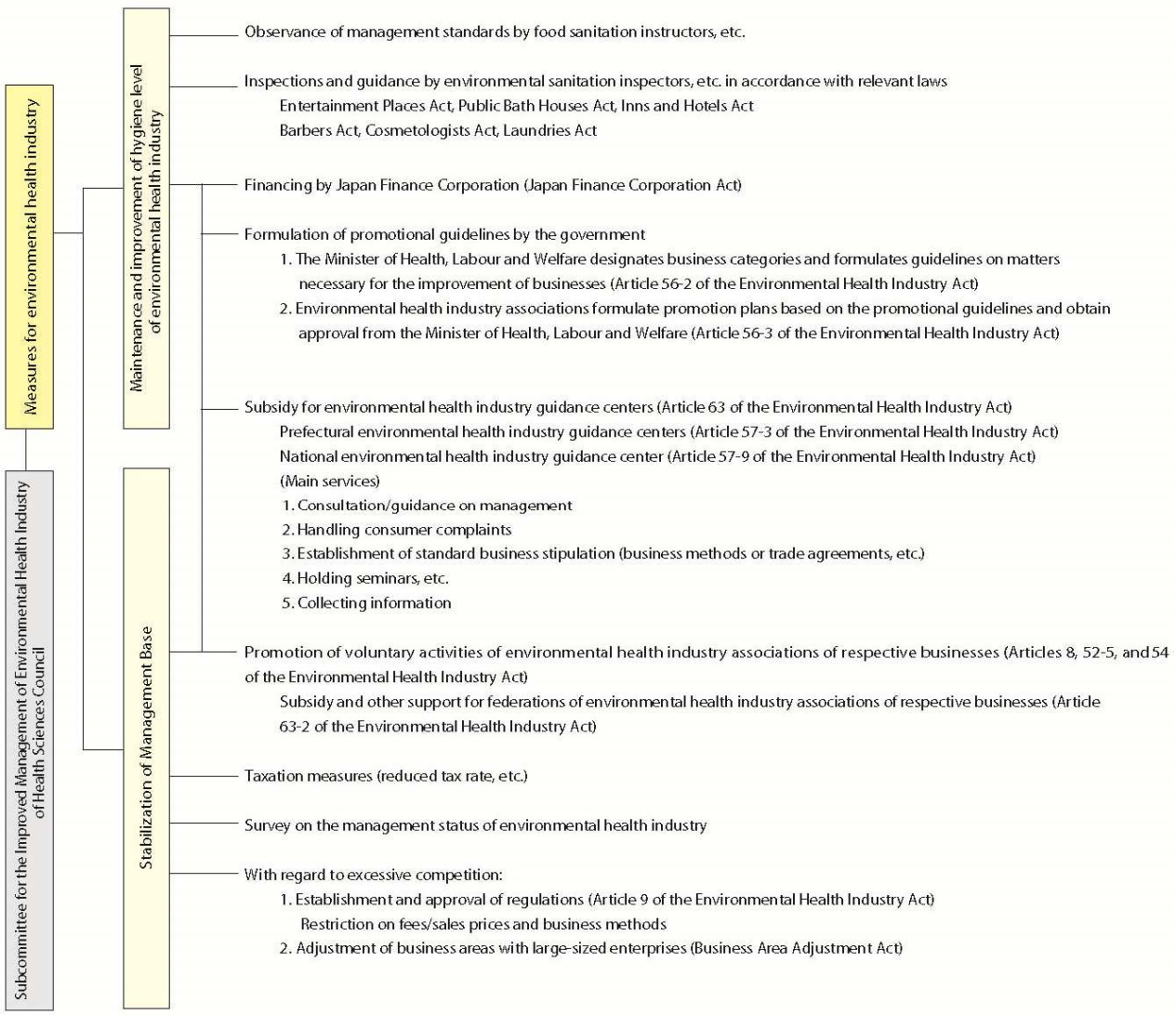
For the purpose of preventing health hazards caused by chemical substances contained in household products such as cleaners and aerosol products (atomizing corpuscular contents in the air) as well as textile products for clothing. The Ministry of Health, Labour and Welfare is authorized to designate 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, 2015.
* - 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)

		2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
Total		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	2,423,076	2,426,109	2,407,526	2,393,457	2,377,658
Entertainment places		5,160	5,113	5,032	5,063	5,034	5,001	4,987	4,959	4,921	4,849	4,855	4,806	4,782	4,745
Regrouped	Movie theater	1,976	1,920	1,822	1,860	1,839	1,815	1,761	1,750	1,702	1,654	1,602	1,539	1,524	1,496
Regrouped	Sports facilities	405	404	401	397	387	384	392	401	394	373	382	373	364	360
Regrouped	Others	2,779	2,789	2,809	2,806	2,808	2,802	2,834	2,808	2,825	2,822	2,871	2,894	2,894	2,889
Hotels and inns		97,267	94,908	92,744	90,343	87,927	86,818	85,566	84,411	82,952	81,087	81,404	80,412	79,519	78,898
Regrouped	Hotels	8,363	8,518	8,686	8,811	8,990	9,180	9,442	9,603	9,688	9,710	9,863	9,796	9,809	9,879
Regrouped	Inns	63,388	61,583	59,754	58,003	55,567	54,107	52,295	50,846	48,966	46,906	46,196	44,744	43,363	41,899
Regrouped	Lodging houses	23,883	23,268	22,931	22,475	22,396	22,590	22,900	23,050	23,429	23,719	24,506	25,071	25,560	26,349
Regrouped	Boardinghouses	1,633	1,539	1,373	1,054	974	941	929	912	869	752	839	801	787	771
Public bath houses		26,827	26,706	26,831	27,074	27,674	28,753	28,792	28,523	28,154	27,653	27,557	27,074	26,580	26,221
Regrouped	Ordinary public bath houses	7,851	7,516	7,324	7,130	6,653	6,326	6,009	5,722	5,494	5,449	5,189	4,804	4,542	4,293
Regrouped	Private room style	1,343	1,343	1,346	1,343	1,364	1,340	1,367	1,406	1,358	1,364	1,394	1,370	1,384	1,382
Regrouped	Health centers	2,086	2,167	2,291	2,287	2,396	2,359	2,331	2,340	2,355	2,346	2,220	2,337	2,113	2,135
Regrouped	Sauna baths	2,362	2,181	2,140	2,169	2,070	2,299	2,334	2,276	2,082	1,975	1,883	1,820	1,686	1,620
Regrouped	Sports facilities	…	…	…	…	2,650	2,958	3,090	3,241	3,238	3,251	3,255	3,271	3,337	3,313
Regrouped	Others	13,185	13,499	13,730	14,145	12,541	13,471	13,661	13,538	13,627	13,268	13,616	13,472	13,518	13,478
Barber shops		140,599	140,374	140,130	139,548	138,855	137,292	136,768	135,615	134,552	130,755	131,687	130,210	128,127	126,546
Beauty salons		205,204	208,311	210,795	213,313	215,719	217,769	219,573	221,394	223,645	223,277	228,429	231,134	234,089	237,525
Laundries		159,801	157,112	155,109	150,753	147,395	143,989	141,190	137,097	133,584	126,925	123,845	118,188	113,567	108,513
Regrouped	Ordinary laundry shops	45,848	44,505	44,041	42,664	41,998	40,638	39,632	38,165	37,393	35,330	34,767	33,106	32,005	30,371
Regrouped	Agent stores	113,953	112,607	111,068	108,089	105,134	103,061	101,191	98,586	95,805	90,825	87,386	83,274	79,773	76,341
Regrouped	Non-store agents	…	…	…	…	263	290	367	346	386	770	1,692	1,808	1,789	1,801
Restaurants		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	1,424,504	1,424,792	1,425,737	1,422,809
Coffee shops		267,671	271,536	275,202	282,853	289,088	293,402	291,587	292,889	285,967	270,933	263,925	249,670	238,510	228,720
Meat sales		165,101	159,919	155,791	152,317	150,397	148,324	144,981	141,571	140,065	135,973	137,814	139,223	140,627	141,871
Ice sales		3,223	3,074	2,962	2,838	2,762	2,622	2,507	2,384	2,274	2,135	2,089	2,017	1,919	1,810

Source: "Report on Public Health Administration and Services", Administrative Report Statistics Office to the Director-General for Statistics and Information Policy, MHLW

(Note) The figures for FY 2010 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 effect of the Great East Japan Earthquake.