

Annual Report on Statistics of Production by Pharmaceutical Industry in 2009

Health Policy Bureau, Ministry of Health, Labour and Welfare

Section in charge: Statistics Section, Economic Affairs Division

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(Statistics)

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Overview of Research

1. Purpose of research

These research aims at clarifying the status of production, import etc. of drugs, quasi-drugs, sanitary materials and medical devices.

2. Scope of research

Business establishments that market or manufacture drugs, quasi-drugs, and/or medical devices, which are authorized respectively to market and manufacture drugs, quasi-drugs, and/or medical devices, as per provisions of the Pharmaceutical Affairs Law. Note that establishments that are categorized in the following business types are excluded from the scope of this research.

- (1) A manufacturer, or marketing authorization holder, of drugs that are produced by proprietors of pharmacies, using their own pharmacies' equipment and/or apparatuses;
- (2) A marketing authorization holder of condoms and/or corrective lenses (excluding the import of packed products), which only market packed products, or such manufacturer which only undertakes packing of such products; and
- (3) A marketing authorization holder of absorbent cottons and/or gauzes, (excluding the import of packed products), which only market packed products, or such manufacturer which only undertakes packing of such products, as well as a marketing authorization holder, or manufacturer of sanitary treatment products (excluding products that only comprise absorbent cotton), which only market or manufacture large products.

3. Period of research

From January 1 to December 31, 2009

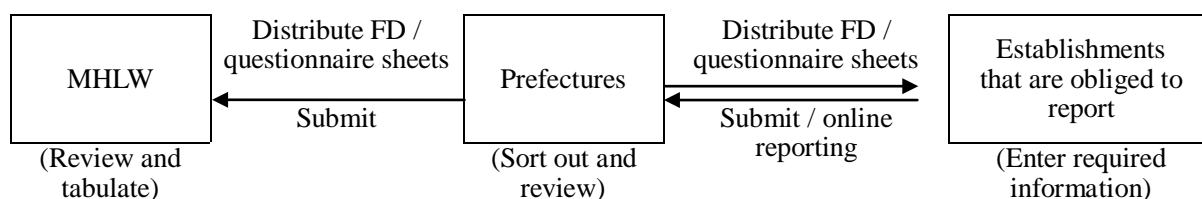
4. Items of research

Quantity, monetary amount etc. of production, import, shipment, export and inventory of drugs, quasi-drugs, sanitary materials and medical devices; also, employees (including temporary ones) at manufacturing plants that relate to drugs

5. Methods of research and reporting duties

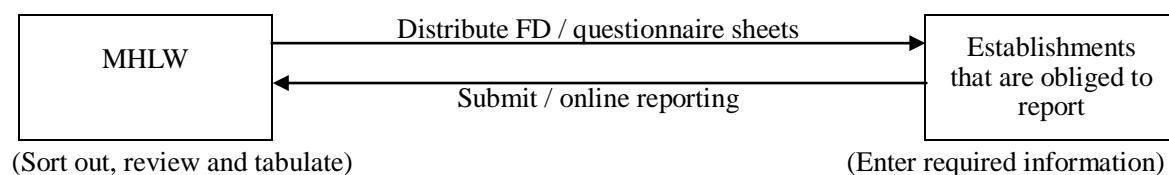
- (1) Manufacturing plants

The Ministry of Health, Labour and Welfare conducts research by way of prefectural governments, by online, and by FD and questionnaire sheets that are distributed to business establishments who are obliged to report.



(2) Marketing authorization holder offices

The Ministry of Health, Labour and Welfare conducts research, by online, and by FD and questionnaire sheets that are distributed to business establishments who are obliged to report.



6. Tabulation of results

Tabulation of results was undertaken by the Health Policy Bureau, Ministry of Health, Labour and Welfare.

7. Precautions for use

(1) Symbols

- : a value that is below the smallest unit, or there is no available data

0 / 0.0: a value for mean, proportion etc. that does not correspond to “1” in the lowest digit of indication after rounding

(2) Regions

Hokkaido: Hokkaido

Tohoku: Aomori, Iwate, Miyagi, Akita, Yamagata and Fukushima

Kanto Etsusei: Ibaraki, Tochigi, Gunma, Saitama, Chiba, Tokyo, Kanagawa, Niigata, Yamanashi, Nagano and Shizuoka

Tokai Hokuriku: Toyama, Ishikawa, Gifu, Aichi and Mie

Kinki: Fukui, Shiga, Kyoto, Osaka, Hyogo, Nara and Wakayama

Chugoku: Tottori, Shimane, Okayama, Hiroshima and Yamaguchi

Shikoku: Tokushima, Kagawa, Ehime and Kochi

Kyushu: Fukuoka, Saga, Nagasaki, Kumamoto, Oita, Miyazaki, Kagoshima, Okinawa

(3) Terms

Amount of production: The amount of production of final products (large products in the case of absorbent cottons and/or gauzes in sanitary materials) that are produced at a manufacturing plant during the period of research, which is given by multiplying production quantity by the selling price of the marketing authorization holder (including consumption tax).

Production quantity: Production quantity of final products (large products in the case of absorbent cottons and/or gauzes in sanitary materials) that are produced at a manufacturing plant during the period of research; Conforming quantity is used as production quantity for products for national assay.

Amount of shipment:	Amount of shipment during the period of research (including shipment by selling, as well as shipment to other manufacturing plants, business offices, warehouses in separate locations etc. within the same business entity), given by multiplying shipment quantity by the selling price of the marketing authorization holder (including consumption tax).
The number of manufacturing plants / the number of marketing authorization holder offices:	Number of manufacturing plants / marketing authorization holder offices, at which there were changes in production / import, shipment and/or month-end inventory of final products (large products in the case of absorbent cottons and/or gauzes in sanitary materials) during the period of research (monthly average)
Prescription drugs:	Drugs that are supplied to be used by physicians and/or dentists, or under the prescription or instruction of these
Other drugs:	Drugs other than prescription drugs
OTC drugs:	Of other drugs, drugs other than drugs for household delivery
Drugs for household delivery:	Of other drugs, drugs that are supplied to be used mainly as drugs for household delivery
Import*:	Refers to drugs that are produced mainly from imported drug materials (including raw powder, raw liquid, bulk products and preparation materials)
Contract production:	Manufacturing process of a final product that is contracted from a marketing authorization holder office of another company, whether the contracted process covers the whole or part of the manufacturing process of the relevant product; contracting of only packaging, labeling and/or storage processes is excluded from this research.
Employees:	Refers to employees who are regularly engaged in actual production / import, management or other activities pertaining to drugs, as of the end of a month of research; even executive officers and directors are included in regular employees, if they are engaged in specified tasks related to production / import of drugs (monthly average).
Large products:	Products that are made from raw cotton, raw fabric etc., and are ready to be packed after refining, drying etc.; With regards to absorbent cottons and gauzes in sanitary materials, reporting is required not for final products, but for large products before packing.

Overview of Results

I Drugs

The amount of production of final products of drugs in Japan in 2009 stood at 6,819.6 billion yen, while the amount of import from other countries was 2,126.5 billion yen. The combined amount was 8,946.1 billion yen.

Domestic amount of shipment stood at 8,610.7 billion yen, while export to other countries was 162.8 billion yen.

1. Status of production of drugs

The amount of production of final products of drugs in 2009 stood at 6,819.6 billion yen, up 199.5 billion yen (3.0%) from 6,620.1 billion yen in 2008. By classification according to use, the amount of production of prescription drugs stood at 6,174.2 billion yen, up 3.0%, while the amount of production of other drugs was 645.4 billion yen, up 2.9%. With regards to the proportion, prescription drugs make up 90.5% of total, with the share of other drugs at 9.5%. Year-on-year changes over the past ten years were: down 1.9% in 2000, up 4.5% in 2001, down 0.8% in 2002, up 0.5% in 2003, down 0.8% in 2004, up 4.4% in 2005, up 0.7% in 2006, up 0.2% in 2007, up 2.6% in 2008, and up 3.0% in 2009. In this way, despite the previous trend of production decrease in the year of the drug price standard revision, increase has been seen every year since 2005. After 2000, the drug price standard concerning medication was revised in 2000 (-7.0%), 2002 (-6.3%), 2004 (-4.2%), 2006 (-6.7%) and 2008 (-5.2%).

- (2) Trends in the amount of production of prescription drugs over the past ten years are indicated in Table 1.
- (3) The amount of production by main therapeutic category of drugs is indicated in Table 2 and other tables. The top ten categories make up 5,228.4 billion yen (76.7%).
- (4) The amount of production by sub therapeutic category of drugs, at or above 25.0 billion yen per year, is indicated in Table 3.

Table 1. Trends in the amount of production of drugs

Year	Production			Prescription drugs			Other drugs			OTC drugs			Drugs for household delivery		
	Amount	Year-on-year	Proportion	Amount	Year-on-year	Proportion	Amount	Year-on-year	Proportion	Amount	Year-on-year	Proportion	Amount	Year-on-year	Proportion
	Mil. yen	%	%	Mil. yen	%	%	Mil. yen	%	%	Mil. yen	%	%	Mil. yen	%	%
2000	5,927,321	-1.9	100.0	5,127,818	-1.4	86.5	799,503	-5.2	13.5	745,377	-4.9	12.6	54,126	-8.0	0.9
2001	6,195,362	4.5	100.0	5,425,860	5.8	87.6	769,503	-3.8	12.4	715,461	-4.0	11.5	54,042	-0.2	0.9
2002	6,144,801	-0.8	100.0	5,391,257	-0.6	87.7	753,545	-2.1	12.3	701,839	-1.9	11.4	51,706	-4.3	0.8
2003	6,173,374	0.5	100.0	5,458,948	1.3	88.4	714,426	-5.2	11.6	666,865	-5.0	10.8	47,561	-8.0	0.8
2004	6,121,169	-0.8	100.0	5,440,184	-0.3	88.9	680,984	-4.7	11.1	636,758	-4.5	10.4	44,226	-7.0	0.7
2005	6,390,722	4.4	100.0	5,741,280	5.5	89.8	649,442	-4.6	10.2	611,492	-4.0	9.6	37,951	-14.2	0.6
2006	6,438,082	0.7	100.0	5,803,581	1.1	90.1	634,501	-2.3	9.9	599,259	-2.0	9.3	35,243	-7.1	0.5
2007	6,452,166	0.2	100.0	5,828,086	0.4	90.3	624,080	-1.6	9.7	592,963	-1.1	9.2	31,117	-11.7	0.5
2008	6,620,091	2.6	100.0	5,992,765	2.8	90.5	627,327	0.5	9.5	598,438	0.9	9.0	28,889	-7.2	0.4
2009	6,819,589	3.0	100.0	6,174,202	3.0	90.5	645,387	2.9	9.5	616,601	3.0	9.0	28,786	-0.4	0.4

Note) Although the definitions of production and import were changed in 2005, the new definitions are applied to 2004 and before, because the comparison is conducted under the same conditions.

Table 2. Amount of production by main therapeutic category of drugs

Ranking	Main therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	Total	6,819,589	6,620,091	199,498	3.0	100.0	100.0
1	Cardiovascular agents	1,418,993	1,437,078	-18,086	-1.3	20.8	21.7
2	Central nervous system agents	700,136	620,578	79,559	12.8	10.3	9.4
3	Other agents affecting metabolism	677,181	648,892	28,289	4.4	9.9	9.8
4	Digestive organ agents	612,881	582,495	30,386	5.2	9.0	8.8
5	Blood and body fluid agents	433,228	407,720	25,508	6.3	6.4	6.2
6	Dermatologic preparations	367,188	365,704	1,484	0.4	5.4	5.5
7	Biological preparations	284,818	276,563	8,256	3.0	4.2	4.2
8	Antibiotics	276,809	268,320	8,489	3.2	4.1	4.1
9	Allergic agents	239,445	244,503	-5,058	-2.1	3.5	3.7
10	Sensory organ agents	217,707	208,702	9,005	4.3	3.2	3.2
11	Extracorporeal diagnostic agents	205,160	192,388	12,772	6.6	3.0	2.9
12	Vitamins	182,640	213,633	-30,994	-14.5	2.7	3.2
13	Urogenital and anal organ agents	152,558	137,238	15,320	11.2	2.2	2.1
14	Antineoplastics	139,045	120,963	18,083	14.9	2.0	1.8
15	Respiratory organ agents	139,032	133,733	5,299	4.0	2.0	2.0
16	Nutrients, tonics	136,967	142,881	-5,914	-4.1	2.0	2.2
17	Hormones (including antihormones)	128,510	125,418	3,092	2.5	1.9	1.9
18	Traditional Chinese medicines	128,407	118,171	10,235	8.7	1.9	1.8
19	Chemotherapeutics	92,393	95,668	-3,275	-3.4	1.4	1.4
20	Intracorporeal diagnostic agents (excluding extracorporeal diagnostic agents)	63,926	60,115	3,812	6.3	0.9	0.9
21	Dialysis agents	51,411	47,679	3,732	7.8	0.8	0.7
22	Peripheral nervous system agents	44,013	47,091	-3,079	-6.5	0.6	0.7
23	Radioactive drugs	33,838	32,119	1,719	5.4	0.5	0.5
24	Public health agents	22,669	20,919	1,750	8.4	0.3	0.3
25	Alkaloidal narcotics (natural narcotics)	16,981	16,110	871	5.4	0.2	0.2
	Others	53,651	55,410	-1,759	-3.2	0.8	0.8

(Note) The ranking in the main therapeutic category of drugs is based on the order of amounts of production in 2009.

Figure 1. Amount of production by main therapeutic category of drugs

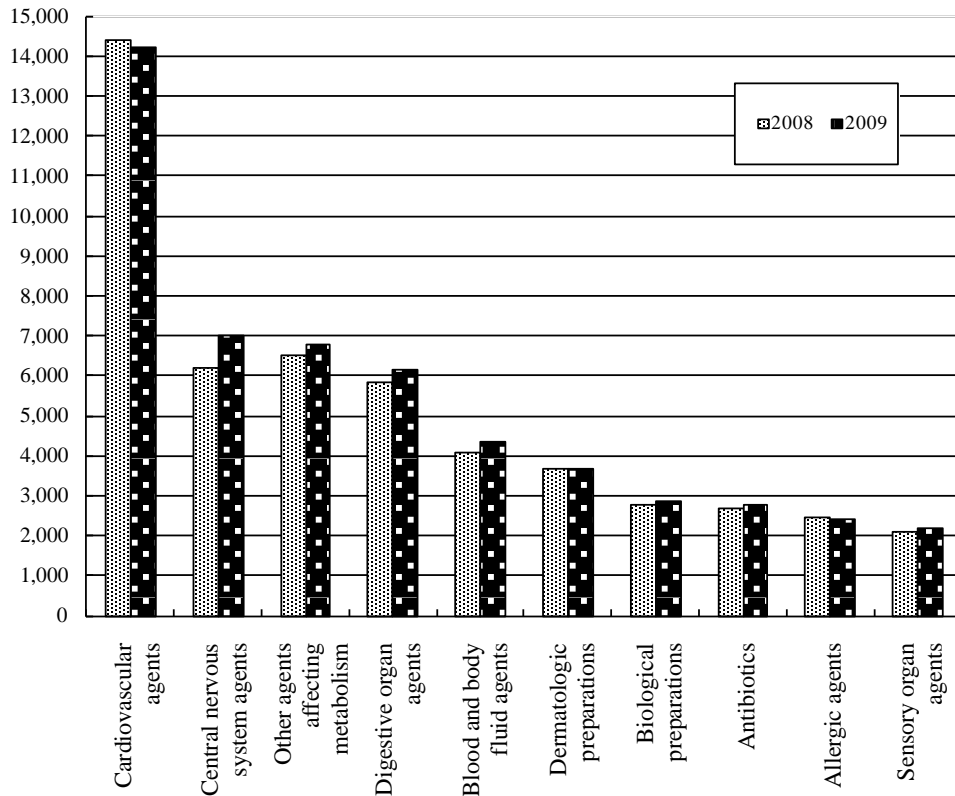


Figure 2. Proportion of the amount of production by main therapeutic category of drugs

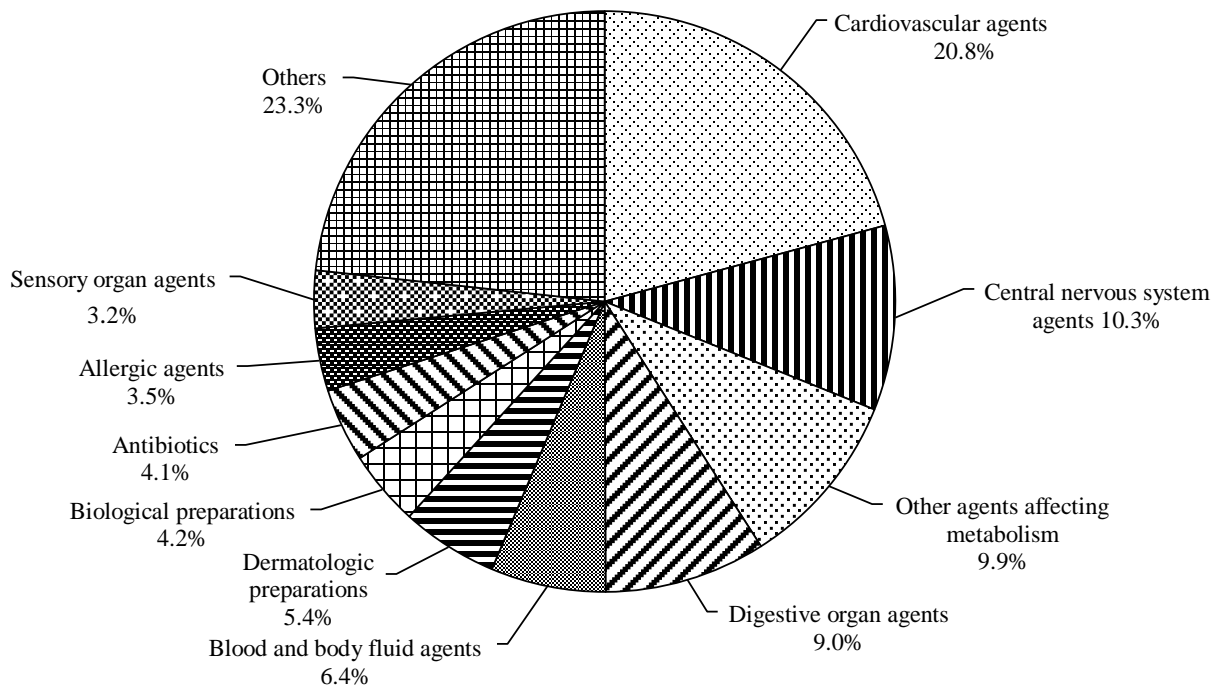


Table 3. Amount of production by sub therapeutic category of drugs

Ranking	Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	Total	6,819,589	6,620,091	199,498	3.0	100.0	100.0
1	Antihypertensives	660,628	648,004	12,624	1.9	9.7	9.8
2	Agents affecting metabolism, not elsewhere classified	407,587	389,786	17,801	4.6	6.0	5.9
3	Peptic ulcer agents	387,897	369,401	18,496	5.0	5.7	5.6
4	Other blood and body fluid agents	293,866	265,987	27,879	10.5	4.3	4.0
5	Hyperlipidemia agents	282,044	265,786	16,258	6.1	4.1	4.0
6	Vasodilators	262,948	311,643	-48,695	-15.6	3.9	4.7
7	Analgesics, anti-itchings, astringents, anti-inflammatory	254,420	258,824	-4,405	-1.7	3.7	3.9
8	Other allergic agents	224,829	229,172	-4,343	-1.9	3.3	3.5
9	Human blood preparations	191,444	188,935	2,508	1.3	2.8	2.9
10	Ophthalmic agents	180,062	175,287	4,776	2.7	2.6	2.6
11	Other central nervous system agents	179,200	147,540	31,660	21.5	2.6	2.2
12	Antibiotics acting mainly on gram-positive and gram-negative bacteria	172,853	166,148	6,705	4.0	2.5	2.5
13	Antidiabetic agents	172,596	159,735	12,861	8.1	2.5	2.4
14	Antipyretics and analgesics, anti-inflammatory agents	154,627	157,735	-3,108	-2.0	2.3	2.4
15	Other urogenital and anal organ agents	139,415	123,223	16,192	13.1	2.0	1.9
16	Traditional Chinese medicines	128,407	118,171	10,235	8.7	1.9	1.8
17	Psychotropics	120,650	98,977	21,673	21.9	1.8	1.5
18	Biochemical testing reagents	101,402	102,329	-927	-0.9	1.5	1.5
19	Other cardiovascular agents	89,803	89,522	281	0.3	1.3	1.4
20	Other digestive organ agents	89,317	80,953	8,365	10.3	1.3	1.2
21	Hypnotics and sedatives, anxiolytics	81,796	77,420	4,377	5.7	1.2	1.2
22	Serum-immunological testing reagents	79,797	69,274	10,524	15.2	1.2	1.0
23	Other hormones (including antihormones)	73,909	72,858	1,052	1.4	1.1	1.1
24	Protein and amino acid preparations	72,155	72,637	-482	-0.7	1.1	1.1
25	Antiarrhythmic agents	70,848	67,357	3,491	5.2	1.0	1.0
26	Antimetabolites	70,207	52,879	17,328	32.8	1.0	0.8
27	Common cold drugs	66,437	63,311	3,126	4.9	1.0	1.0
28	Blood substitutes	65,673	64,369	1,304	2.0	1.0	1.0
29	Antibiotics acting mainly on gram-positive bacteria and mycoplasma	65,153	58,828	6,325	10.8	1.0	0.9
30	Synthetic antibacterials	64,307	68,499	-4,192	-6.1	0.9	1.0
31	Anticoagulants	63,079	66,673	-3,595	-5.4	0.9	1.0
32	Vaccines	62,834	50,953	11,881	23.3	0.9	0.8
33	Vitamin B preparations (excluding Vitamin B1 preparations)	61,941	62,312	-371	-0.6	0.9	0.9
34	Antiparkinsonian agents	56,693	38,176	18,517	48.5	0.8	0.6
35	X-ray contrast media	50,493	46,618	3,875	8.3	0.7	0.7
36	Other nutrients, tonics	48,659	50,708	-2,049	-4.0	0.7	0.8
37	Multivitamin preparations (excluding Vitamins A and D mixtures)	44,379	51,253	-6,875	-13.4	0.7	0.8
38	Vitamins A and D preparations	41,573	60,917	-19,344	-31.8	0.6	0.9
39	Expectorants	39,826	47,483	-7,657	-16.1	0.6	0.7
40	Antimicrobial agents	39,791	31,979	7,812	24.4	0.6	0.5
41	Purgatives, clysters	37,673	35,103	2,570	7.3	0.6	0.5
42	Metabolic disease preparations & combinations	36,747	37,950	-1,203	-3.2	0.5	0.6
43	Other antineoplastics	36,062	28,773	7,289	25.3	0.5	0.4
44	Radioactive drugs	33,838	32,119	1,719	5.4	0.5	0.5
45	Antiepileptics	33,186	30,364	2,822	9.3	0.5	0.5
46	Kidney dialysis agents	31,797	30,705	1,092	3.6	0.5	0.5
47	Antitussives and expectorants	29,905	30,920	-1,015	-3.3	0.4	0.5
48	Gout preparations	27,274	26,343	932	3.5	0.4	0.4
49	Otic and nasal agents	26,556	23,110	3,446	14.9	0.4	0.3
50	Gastrointestinal agents and combinations	25,799	25,573	226	0.9	0.4	0.4

(Note) The ranking in the sub therapeutic category of drugs is based on the order of amounts of production in 2009. The amounts are over 25.0 billion yen.

2. Status of production by therapeutic category of drugs

(1) Cardiovascular agents

The amount of production of cardiovascular agents stood at 1,419.0 billion yen, which made up 20.8% of the amount of gross drug production, down 18.1 billion yen (1.3%) from the previous year.

Breakdown is indicated in Table 4. The amount of production was the largest with antihypertensives, which makes up 46.6% of total, followed by hyperlipidemia agents (19.9%), vasodilators (18.5%), and other cardiovascular agents (6.3%).

Table 4. Amount of production of cardiovascular agent

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	1,418,993	1,437,078	-18,086	-1.3	100.0	100.0
Cardiotonics	23,458	25,103	-1,644	-6.6	1.7	1.7
Antiarrhythmic agents	70,848	67,357	3,491	5.2	5.0	4.7
Diuretics	21,052	20,694	358	1.7	1.5	1.4
Antihypertensives	660,628	648,004	12,624	1.9	46.6	45.1
Capillary stabilizers	48	43	5	11.5	0.0	0.0
Vasoconstrictors	8,163	8,927	-764	-8.6	0.6	0.6
Vasodilators	262,948	311,643	-48,695	-15.6	18.5	21.7
Hyperlipidemia agents	282,044	265,786	16,258	6.1	19.9	18.5
Other cardiovascular agents	89,803	89,522	281	0.3	6.3	6.2

(2) Central nervous system agents

The amount of production of central nervous system agents stood at 700.1 billion yen, which made up 10.3% of the amount of gross drug production, up 79.6 billion yen (12.8%) from the previous year.

Breakdown is indicated in Table 5. The amount of production was the largest with other central nervous system agents, which made up 25.6% of total, followed by antipyretics and analgesics, anti-inflammatory agents (22.1%), psychotropics (17.2%), hypnotics and sedatives, anxiolytics (11.7%), and common cold drugs (9.5%).

Table 5. Amount of production of central nervous system agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	700,136	620,578	79,559	12.8	100.0	100.0
General anesthetics	6,664	6,259	405	6.5	1.0	1.0
Hypnotics and sedatives, anxiolytics	81,796	77,420	4,377	5.7	11.7	12.5
Antiepileptics	33,186	30,364	2,822	9.3	4.7	4.9
Antipyretics and analgesics, anti-inflammatory agents	154,627	157,735	-3,108	-2.0	22.1	25.4
Stimulants	883	796	87	10.9	0.1	0.1
Antiparkinsonian agents	56,693	38,176	18,517	48.5	8.1	6.2
Psychotropics	120,650	98,977	21,673	21.9	17.2	15.9
Common cold drugs	66,437	63,311	3,126	4.9	9.5	10.2
Other central nervous system agents	179,200	147,540	31,660	21.5	25.6	23.8

(3) Other agents affecting metabolism

The amount of production of other agents affecting metabolism stood at 677.2 billion yen, which made up 9.9% of the amount of gross drug production, up 28.3 billion yen (4.4%) from the previous year.

Breakdown is indicated in Table 6. The amount of production was the largest with agents affecting metabolism, not elsewhere classified, which made up 60.2% of total, followed by antidiabetic agents (25.5%), metabolic disease preparations & combinations (5.4%), and gout preparations (4.0%).

Table 6. Amount of production of other agents affecting metabolism

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	677,181	648,892	28,289	4.4	100.0	100.0
Liver disease agents	3,228	3,400	-172	-5.1	0.5	0.5
Antidotes	13,443	12,658	786	6.2	2.0	2.0
Habitual intoxication agents	284	273	11	4.2	0.0	0.0
Gout preparations	27,274	26,343	932	3.5	4.0	4.1
Enzyme preparations	16,021	18,747	-2,726	-14.5	2.4	2.9
Antidiabetic agents	172,596	159,735	12,861	8.1	25.5	24.6
Metabolic disease preparations & combinations	36,747	37,950	-1,203	-3.2	5.4	5.8
Agents affecting metabolism, not elsewhere classified	407,587	389,786	17,801	4.6	60.2	60.1

(4) Digestive organ agents

The amount of production of digestive organ agents stood at 612.9 billion yen, which made up 9.0% of the amount of gross drug production, up 30.4 billion yen (5.2%) from the previous year.

Breakdown is indicated in Table 7. The amount of production was the largest with peptic ulcer agents, which made up 63.3% of total, followed by other digestive organ agents (14.6%), purgatives, clysters (6.1%), and gastrointestinal agents and combinations (4.2%).

Table 7. Amount of production of digestive organ agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	612,881	582,495	30,386	5.2	100.0	100.0
Antidiarrheals, intestinal regulators	23,406	22,505	902	4.0	3.8	3.9
Peptic ulcer agents	387,897	369,401	18,496	5.0	63.3	63.4
Stomachics and digestives	11,677	12,441	-764	-6.1	1.9	2.1
Antacids	14,844	15,596	-752	-4.8	2.4	2.7
Purgatives, clysters	37,673	35,103	2,570	7.3	6.1	6.0
Cholagogues	22,268	20,924	1,344	6.4	3.6	3.6
Gastrointestinal agents and combinations	25,799	25,573	226	0.9	4.2	4.4
Other digestive organ agents	89,317	80,953	8,365	10.3	14.6	13.9

(5) Blood and body fluid agents

The amount of production of blood and body fluid agents stood at 433.2 billion yen, which made up 6.4% of the amount of gross drug production, up 25.5 billion yen (6.3%) from the previous year.

Breakdown is indicated in Table 8. The amount of production was the largest with other blood and body fluid agents, which made up 67.8% of total, followed by blood substitutes (15.2%), anticoagulants (14.6%), and hemostatics (2.4%).

Table 8. Amount of production of blood and body fluid agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	433,228	407,720	25,508	6.3	100.0	100.0
Blood substitutes	65,673	64,369	1,304	2.0	15.2	15.8
Hemostatics	10,610	10,690	-80	-0.7	2.4	2.6
Anticoagulants	63,079	66,673	-3,595	-5.4	14.6	16.4
Other blood and body fluid agents	293,866	265,987	27,879	10.5	67.8	65.2

(6) Dermatologic preparations

The amount of production of dermatologic preparations stood at 367.2 billion yen, which made up 5.4% of the amount of gross drug production, up 1.5 billion yen (0.4%) from the previous year.

Breakdown is indicated in Table 9. The amount of production was the largest with analgesics, anti-itchings, astringents, anti-inflammatory agents, which made up 69.3% of total, followed by antimicrobial agents (10.8%), antiparasitic dermatosis agents (5.5%), and other dermatologic preparations (4.7%).

Table 9. Amount of production of dermatologic preparations

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	367,188	365,704	1,484	0.4	100.0	100.0
Antimicrobial agents	39,791	31,979	7,812	24.4	10.8	8.7
Skin protectants	2,800	2,356	444	18.8	0.8	0.6
Suppurative dermatosis agents	8,966	9,157	-191	-2.1	2.4	2.5
Analgesics, anti-itchings, astringents, anti-inflammatory agents	254,420	258,824	-4,405	-1.7	69.3	70.8
Antiparasitic dermatosis agents	20,271	23,641	-3,370	-14.3	5.5	6.5
Emollients (including caustics)	9,896	10,664	-767	-7.2	2.7	2.9
Hair remedies (hair growing agents, depilatories, hair dyes, hair tonics)	13,773	12,166	1,607	13.2	3.8	3.3
Bath preparations	4	100	-96	-95.8	0.0	0.0
Other dermatologic preparations	17,267	16,817	450	2.7	4.7	4.6

(7) Biological preparations

The amount of production of biological preparations stood at 284.8 billion yen, which made up 4.2% of the amount of gross drug production, up 8.3 billion yen (3.0%) from the previous year.

Breakdown is indicated in Table 10. The amount of production was the largest with human blood preparations, which made up 67.2% of total, followed by vaccines (22.1%), other biological preparations (7.1%), and mixed biological preparations (3.2%).

Table 10. Amount of production of biological preparations

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	284,818	276,563	8,256	3.0	100.0	100.0
Vaccines	62,834	50,953	11,881	23.3	22.1	18.4
Toxins, toxoids	880	778	102	13.1	0.3	0.3
Antitoxins, anti-leptospirosera	181	119	62	52.3	0.1	0.0
Human blood preparations	191,444	188,935	2,508	1.3	67.2	68.3
Biological test preparations	-	-	-	-	-	-
Mixed biological preparations	9,184	10,925	-1,741	-15.9	3.2	4.0
Other biological preparations	20,295	24,852	-4,557	-18.3	7.1	9.0

(8) Antibiotics

The amount of production of antibiotics stood at 276.8 billion yen, which made up 4.1% of the amount of gross drug production, up 8.5 billion yen (3.2%) from the previous year.

Breakdown is indicated in Table 11. The amount of production was the largest with antibiotics acting mainly on gram-positive and gram-negative bacteria, which made up 62.4% of total, followed by antibiotics acting mainly on gram-positive bacteria and mycoplasma (23.5%), antibiotics acting mainly on mold (5.7%), and antibiotics acting mainly on gram-positive bacteria (5.6%).

Table 11. Amount of production of antibiotics

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	276,809	268,320	8,489	3.2	100.0	100.0
Antibiotics acting mainly on gram-positive bacteria	15,379	17,058	-1,679	-9.8	5.6	6.4
Antibiotics acting mainly on gram-negative bacteria	4,046	5,057	-1,011	-20.0	1.5	1.9
Antibiotics acting mainly on gram-positive and gram-negative bacteria	172,853	166,148	6,705	4.0	62.4	61.9
Antibiotics acting mainly on gram-positive bacteria and mycoplasma	65,153	58,828	6,325	10.8	23.5	21.9
Antibiotics acting mainly on gram-positive bacteria, gram-negative bacteria, rickettsia and chlamydia	2,967	2,913	53	1.8	1.1	1.1
Antibiotics acting mainly on acid-fast bacteria	694	760	-66	-8.7	0.3	0.3
Antibiotics acting mainly on mold	15,716	17,555	-1,838	-10.5	5.7	6.5

Other antibiotics (including antibiotic combinations)	-	-	-	-	-	-
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(9) Allergic agents

The amount of production of allergic agents stood at 239.4 billion yen, which made up 3.5% of the amount of gross drug production, down 5.1 billion yen (2.1%) from the previous year.

Breakdown is indicated in Table 12. The amount of production was the largest with other allergic agents, which made up 93.9% of total, followed by antihistamines (3.5%), and stimulation therapy agents (2.6%).

Table 12. Amount of production of allergic agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	239,445	244,503	-5,058	-2.1	100.0	100.0
Antihistamines	8,458	7,649	809	10.6	3.5	3.1
Stimulation therapy agents	6,157	7,681	-1,524	-19.8	2.6	3.1
Nonspecific immunogen preparations	-	-	-	-	-	-
Other allergic agents	224,829	229,172	-4,343	-1.9	93.9	93.7

(10) Sensory organ agents

The amount of production of sensory organ agents stood at 217.7 billion yen, which made up 3.2% of the amount of gross drug production, up 9.0 billion yen (4.3%) from the previous year.

Breakdown is indicated in Table 13. The amount of production was the largest with ophthalmic agents, which made up 82.7% of total, followed by otic and nasal agents (12.2%), and vertigo agents (5.1%)

Table 13. Amount of production of sensory organ agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	217,707	208,702	9,005	4.3	100.0	100.0
Ophthalmic agents	180,062	175,287	4,776	2.7	82.7	84.0
Otic and nasal agents	26,556	23,110	3,446	14.9	12.2	11.1
Vertigo agents	11,052	10,257	795	7.7	5.1	4.9
Other sensory organ agents	37	48	-11	-22.1	0.0	0.0

(11) Extracorporeal diagnostic agents

The amount of production of extracorporeal diagnostic agents stood at 205.2 billion yen, which made up 3.0% of the amount of gross drug production, up 12.8 billion yen (6.6%) from the previous year.

Breakdown is indicated in Table 14. The amount of production was the largest with biochemical testing reagents, which made up 49.4% of total, followed by serum-immunological testing reagents (38.9%), general testing reagents (5.5%), and blood testing reagents (4.2%).

Table 14. Amount of production of extracorporeal diagnostic agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	205,160	192,388	12,772	6.6	100.0	100.0
General testing reagents	11,227	10,225	1,002	9.8	5.5	5.3
Blood testing reagents	8,575	6,759	1,816	26.9	4.2	3.5
Biochemical testing reagents	101,402	102,329	-927	-0.9	49.4	53.2
Serum-immunological testing reagents	79,797	69,274	10,524	15.2	38.9	36.0
Bacteriological testing reagents	3,754	3,470	284	8.2	1.8	1.8
Patho-tissue testing reagents	404	332	72	21.7	0.2	0.2

(12) Vitamins

The amount of production of Vitamins stood at 182.6 billion yen, which made up 2.7% of the amount of gross drug production, down 31.0 billion yen (14.5%) from the previous year.

Breakdown is indicated in Table 15. The amount of production was the largest with Vitamin B preparations (excluding Vitamin B1 preparations), which made up 33.9% of total, followed by multivitamin preparations (excluding Vitamins A and D mixtures) (24.3%), Vitamins A and D preparations (22.8%), and Vitamin B1 preparations (5.8%).

Table 15. Amount of production of vitamins

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	182,640	213,633	-30,994	-14.5	100.0	100.0
Vitamins A and D preparations	41,573	60,917	-19,344	-31.8	22.8	28.5
Vitamin B1 preparations	10,614	11,095	-481	-4.3	5.8	5.2
Vitamin B preparations (excluding Vitamin B1 preparations)	61,941	62,312	-371	-0.6	33.9	29.2
Vitamin C preparations	6,012	6,996	-984	-14.1	3.3	3.3
Vitamin E preparations	3,387	4,734	-1,346	-28.4	1.9	2.2
Vitamin K preparations	5,294	7,339	-2,045	-27.9	2.9	3.4
Multivitamin preparations (excluding Vitamins A and D mixtures)	44,379	51,253	-6,875	-13.4	24.3	24.0
Miscellaneous vitamins	9,440	8,987	453	5.0	5.2	4.2

(13) Urogenital and anal organ agents

The amount of production of urogenital and anal organ agents stood at 152.6 billion yen, which made up 2.2% of the amount of gross drug production, up 15.3 billion yen (11.2%) from the previous year.

Breakdown is indicated in Table 16. The amount of production was the largest with other urogenital and anal organ agents, which made up 91.4% of total, followed by hemorrhoidal preparations (8.0%), genital organ agents (including preventive agents against venereal diseases) (0.4%), urinary organ agents (0.1%), and oxytocics (0.1%).

Table 16. Amount of production of urogenital and anal organ agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	152,558	137,238	15,320	11.2	100.0	100.0
Urinary organ agents	144	149	-5	-3.6	0.1	0.1
Genital organ agents (including preventive agents against venereal diseases)	665	660	5	0.7	0.4	0.5
Oxytocics	151	317	-166	-52.2	0.1	0.2
Contraceptives	31	35	-3	-9.2	0.0	0.0
Hemorrhoidal preparations	12,152	12,854	-702	-5.5	8.0	9.4
Other urogenital and anal organ agents	139,415	123,223	16,192	13.1	91.4	89.8

(14) Antineoplastics

The amount of production of antineoplastics stood at 139.0 billion yen, which made up 2.0% of the amount of gross drug production, up 18.1 billion yen (14.9%) from the previous year.

Breakdown is indicated in Table 17. The amount of production was the largest with antimetabolites, which made up 50.5% of total, followed by other antineoplastics (25.9%), antitumor plant extract preparations (15.7%), antitumor antibiotics (7.0%).

Table 17. Amount of production of antineoplastics

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	139,045	120,963	18,083	14.9	100.0	100.0
Alkylating agents	1,217	1,304	-87	-6.7	0.9	1.1
Antimetabolites	70,207	52,879	17,328	32.8	50.5	43.7
Antitumor antibiotics	9,763	10,963	-1,200	-10.9	7.0	9.1
Antitumor plant extract preparations	21,797	27,044	-5,247	-19.4	15.7	22.4
Other antineoplastics	36,062	28,773	7,289	25.3	25.9	23.8

(15) Respiratory organ agents

The amount of production of respiratory organ agents stood at 139.0 billion yen, which made up 2.0% of the amount of gross drug production, up 5.3 billion yen (4.0%) from the previous year.

Breakdown is indicated in Table 18. The amount of production was the largest with expectorants, which made up 28.6% of total, followed by bronchodilators (21.5%), respiratory stimulants (17.2%), and gargles (14.3%).

Table 18. Amount of production of respiratory organ agents

Sub therapeutic category of drugs	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	139,032	133,733	5,299	4.0	100.0	100.0
Respiratory stimulants	23,916	20,703	3,213	15.5	17.2	15.5
Antitussives	7,638	8,193	-555	-6.8	5.5	6.1
Expectorants	39,826	47,483	-7,657	-16.1	28.6	35.5
Antitussives and expectorants	17,352	16,311	1,041	6.4	12.5	12.2
Bronchodilators	29,905	30,920	-1,015	-3.3	21.5	23.1
Gargles	19,940	9,699	10,241	105.6	14.3	7.3
Other respiratory organ agents	454	423	31	7.3	0.3	0.3

3. Status of production by drug form category, by classification according to use and by therapeutic category of drugs

(1) Drug form category

Breakdown of the amount of production of drugs by drug form category is indicated in Table 19.

The amount of production was the largest with tablets, which made up 52.3%, followed by capsules (6.2%), injectable solutions (5.8%), and powders and granules, etc. (5.6%). These four categories made up 69.9% of total.

With regards to changes from the previous year, increase was indicated in tablets (177.2 billion yen, 5.2%), external solutions (23.3 billion yen, 8.3%), and powders and granules, etc. (13.0 billion yen, 3.5%) etc.

On the other hand, decrease was shown in injectable solutions (25.2 billion yen, 6.0%), injectable powders (18.0 billion yen, 7.6%), and ointments and creams (4.0 billion yen, 2.9%) etc.

Table 19. Amount of production by drug form category of drugs

Drug form classification	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	6,819,589	6,620,091	199,498	3.0	100.0	100.0
Powders and granules, etc.	380,901	367,880	13,021	3.5	5.6	5.6
Tablets	3,569,133	3,391,899	177,234	5.2	52.3	51.2
Pills	12,570	12,748	-178	-1.4	0.2	0.2
Capsules	424,892	422,051	2,841	0.7	6.2	6.4
Oral liquid preparations	170,129	172,032	-1,904	-1.1	2.5	2.6
Injectable solutions	393,545	418,758	-25,213	-6.0	5.8	6.3
Injectable powders	217,402	235,401	-17,999	-7.6	3.2	3.6
External solutions	303,328	280,042	23,286	8.3	4.4	4.2
Aerosols	13,045	13,690	-645	-4.7	0.2	0.2
Ointments and creams	135,818	139,833	-4,016	-2.9	2.0	2.1
Suppositories	19,701	22,902	-3,201	-14.0	0.3	0.3
Plasters, cataplasms and dermatologic pastes	208,120	204,863	3,257	1.6	3.1	3.1
Others	971,217	938,289	32,929	-0.2	14.2	14.6

(2) Classification according to use

Breakdown of the amount of production by classification according to use of drugs is indicated in Table 20.

The amount of production of prescription drugs stood at 6,174.2 billion yen, which made up 90.5% of total, up 181.4 billion yen (3.0%) from the previous year. On the other hand, the amount of production of other drugs was 645.4 billion yen, which made up 9.5% of total, up 18.1 billion yen (2.9%) from the previous year.

Table 20. Amount of production by classification according to use

Classification according to use	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	6,819,589	6,620,091	199,498	3.0	100.0	100.0
Prescription drugs	6,174,202	5,992,765	181,437	3.0	90.5	90.5
Domestic drugs	4,621,349	4,467,278	154,071	3.4	67.8	67.5
Import drugs *	1,552,852	1,525,486	27,366	1.8	22.8	23.0
Other medicines	645,387	627,327	18,060	2.9	9.5	9.5
OTC drugs	616,601	598,438	18,163	3.0	9.0	9.0
Drugs for household delivery	28,786	28,889	-103	-0.4	0.4	0.4

(3) Therapeutic category

Breakdown of the amount of production by main therapeutic category of drugs is indicated in Table 21. Except public health agents, the proportion of prescription drugs is larger than that of other drugs.

The proportion of other drugs is also relatively high in vitamins (36.8%), nutrients, tonics (35.6%), dermatologic preparations (35.3%), and sensory organ agents (32.4%) etc.

Table 21. Amount of production by main therapeutic category

Ranking of amount of productions	Main therapeutic category of drugs	Total		Prescription drugs			
		Amount of production	Proportion	Sub-total		Domestic	
				Amount of production	Proportion	Amount of production	Proportion
		Mil. yen	%	Mil. yen	%	Mil. yen	%
	Total	6,819,589	100.0	6,174,202	90.5	4,621,349	67.8
1	Cardiovascular agents	1,418,993	100.0	1,412,865	99.6	812,395	57.3
2	Central nervous system agents	700,136	100.0	596,088	85.1	401,907	57.4
3	Other agents affecting metabolism	677,181	100.0	628,795	92.9	499,045	73.7
4	Digestive organ agents	612,881	100.0	548,983	89.6	467,193	76.2
5	Blood and body fluid agents	433,228	100.0	433,228	100.0	336,257	77.6
6	Dermatologic preparations	367,188	100.0	237,599	64.7	203,371	55.4
7	Biological preparations	284,818	100.0	284,818	100.0	284,048	99.7
8	Antibiotics	276,809	100.0	276,809	100.0	231,860	83.8
9	Allergic agents	239,445	100.0	237,208	99.1	123,982	51.8
10	Sensory organ agents	217,707	100.0	147,078	67.6	112,365	51.6
11	Extracorporeal diagnostic agents	205,160	100.0	200,092	97.5	199,670	97.3
12	Vitamins	182,640	100.0	115,339	63.2	109,614	60.0
13	Urogenital and anal organ agents	152,558	100.0	145,073	95.1	115,167	75.5
14	Antineoplastics	139,045	100.0	139,045	100.0	100,790	72.5
15	Respiratory organ agents	139,032	100.0	107,665	77.4	88,079	63.4
16	Nutrients, tonics	136,967	100.0	88,209	64.4	88,051	64.3
17	Hormones (including antihormones)	128,510	100.0	128,246	99.8	84,848	66.0
18	Traditional Chinese medicines	128,407	100.0	106,538	83.0	106,538	83.0
19	Chemotherapeutics	92,393	100.0	91,985	99.6	65,218	70.6
20	Intracorporeal diagnostic agents (excluding extracorporeal diagnostic agents)	63,926	100.0	63,926	100.0	18,229	28.5
21	Dialysis agents	51,411	100.0	51,411	100.0	51,411	100.0
22	Peripheral nervous system agents	44,013	100.0	43,491	98.8	35,802	81.3
23	Radioactive drugs	33,838	100.0	33,838	100.0	33,838	100.0
24	Public health agents	22,669	100.0	4,717	20.8	4,717	20.8
25	Alkaloidal narcotics (natural narcotics)	16,981	100.0	16,981	100.0	16,981	100.0
	Others	53,651	100.0	34,173	63.7	29,975	55.9

(Note) The ranking in the main therapeutic category of drugs is based on the order of amount of production in 2009.

and by classification according to use of drugs

Import*		Other drugs					
		Sub-total		OTC drugs		Drugs for household delivery	
Amount of production	Proportion	Amount of production	Proportion	Amount of production	Proportion	Amount of production	Proportion
Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
1,552,852	22.8	645,387	9.5	616,601	9.0	28,786	0.4
600,471	42.3	6,127	0.4	4,916	0.3	1,211	0.1
194,181	27.7	104,049	14.9	96,045	13.7	8,004	1.1
129,750	19.2	48,386	7.1	45,238	6.7	3,148	0.5
81,790	13.3	63,898	10.4	59,995	9.8	3,903	0.6
96,971	22.4	-	-	-	-	-	-
34,228	9.3	129,589	35.3	126,607	34.5	2,982	0.8
770	0.3	-	-	-	-	-	-
44,949	16.2	-	-	-	-	-	-
113,226	47.3	2,237	0.9	2,131	0.9	106	0.0
34,713	15.9	70,629	32.4	69,391	31.9	1,238	0.6
423	0.2	5,068	2.5	5,068	2.5	-	-
5,725	3.1	67,301	36.8	61,342	33.6	5,958	3.3
29,906	19.6	7,485	4.9	7,471	4.9	14	0.0
38,256	27.5	-	-	-	-	-	-
19,586	14.1	31,368	22.6	30,665	22.1	703	0.5
158	0.1	48,758	35.6	48,435	35.4	323	0.2
43,398	33.8	264	0.2	264	0.2	-	-
-	-	21,869	17.0	20,861	16.2	1,008	0.8
26,767	29.0	408	0.4	408	0.4	-	-
45,698	71.5	-	-	-	-	-	-
-	-	-	-	-	-	-	-
7,689	17.5	522	1.2	519	1.2	3	0.0
-	-	-	-	-	-	-	-
-	-	17,952	79.2	17,952	79.2	-	-
-	-	-	-	-	-	-	-
4,198	7.8	19,478	36.3	19,293	36.0	185	0.3

4. The amount of production by region of drugs

The amount of production by prefecture of drugs is indicated in Table 22. Production increased in 30 of 47 prefectures. Increase was the largest in Toyama at 56.9 billion yen (11.0%), while decrease was the largest in Tokyo at 25.8 billion yen (7.3%).

Table 22. Amount of production by prefecture

Ranking	Prefecture	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	All Japan	6,819,589	6,620,091	199,498	3.0	100.00	100.00
1	Saitama	682,545	646,815	35,731	5.5	10.01	9.77
2	Toyama	573,557	516,650	56,907	11.0	8.41	7.80
3	Sizuoka	557,543	559,954	-2,412	-0.4	8.18	8.46
4	Osaka	505,415	507,304	-1,888	-0.4	7.41	7.66
5	Tochigi	354,028	371,611	-17,583	-4.7	5.19	5.61
6	Tokyo	327,676	353,484	-25,808	-7.3	4.80	5.34
7	Hyogo	312,218	324,671	-12,453	-3.8	4.58	4.90
8	Kanagawa	308,436	297,144	11,292	3.8	4.52	4.49
9	Aichi	268,958	272,783	-3,825	-1.4	3.94	4.12
10	Gifu	255,461	220,455	35,006	15.9	3.75	3.33
11	Tokushima	243,302	239,473	3,829	1.6	3.57	3.62
12	Yamaguchi	227,009	213,898	13,111	6.1	3.33	3.23
13	Iwate	208,136	152,053	56,083	36.9	3.05	2.30
14	Shiga	205,096	195,914	9,182	4.7	3.01	2.96
15	Ibaraki	184,497	178,944	5,553	3.1	2.71	2.70
16	Yamagata	152,191	150,496	1,696	1.1	2.23	2.27
17	Mie	135,215	137,394	-2,180	-1.6	1.98	2.08
18	Chiba	126,917	122,479	4,438	3.6	1.86	1.85
19	Fukuoka	112,707	103,711	8,996	8.7	1.65	1.57
20	Fukushima	103,513	100,347	3,166	3.2	1.52	1.52
21	Gunma	98,869	105,745	-6,876	-6.5	1.45	1.60
22	Saga	92,246	90,748	1,497	1.7	1.35	1.37
23	Kyoto	90,946	107,897	-16,951	-15.7	1.33	1.63
24	Nagano	86,832	77,793	9,039	11.6	1.27	1.18
25	Fukui	68,924	61,870	7,054	11.4	1.01	0.93
26	Ishikawa	66,762	69,285	-2,523	-3.6	0.98	1.05
27	Kagawa	59,835	57,621	2,214	3.8	0.88	0.87
28	Akita	57,578	64,485	-6,907	-10.7	0.84	0.97
29	Okayama	52,713	46,070	6,643	14.4	0.77	0.70
30	Hokkaido	50,729	49,389	1,340	2.7	0.74	0.75
31	Nara	50,626	32,787	17,840	54.4	0.74	0.50
32	Kumamoto	42,578	40,555	2,023	5.0	0.62	0.61
33	Oita	31,325	30,489	835	2.7	0.46	0.46
34	Ehime	29,077	29,567	-490	-1.7	0.43	0.45
35	Niigata	19,517	17,318	2,199	12.7	0.29	0.26
36	Yamanashi	18,205	16,513	1,692	10.2	0.27	0.25
37	Hiroshima	16,136	15,700	436	2.8	0.24	0.24
38	Miyazaki	14,469	14,681	-211	-1.4	0.21	0.22
39	Miyagi	14,030	12,572	1,458	11.6	0.21	0.19
40	Shimane	3,803	2,497	1,306	52.3	0.06	0.04
41	Wakayama	3,793	3,502	291	8.3	0.06	0.05
42	Aomori	1,781	1,537	244	15.9	0.03	0.02
43	Okinawa	1,731	1,474	257	17.4	0.03	0.02
44	Kagoshima	1,325	1,812	-487	-26.9	0.02	0.03
45	Nagasaki	669	1,079	-410	-38.0	0.01	0.02
46	Kochi	644	1,215	-571	-47.0	0.01	0.02
47	Tottori	27	312	-285	-91.4	0.00	0.00

(Note) The ranking of prefectures is based on the order of amounts of production in 2009.

5. Composition of drugs by employee size and by production size

(1) Composition by employee size

1) The number of manufacturing plants by employee scale (monthly average) is indicated in Table 23, which shows that 1,351 (74.3%) of 1,818 manufacturing plants had fewer than 50 employees. The number of manufacturing plants with 50 or more and below 300 employees stood at 415 (22.8%), and 51 (2.9%) of all manufacturing plants had 300 or more employees.

Table 23. The number of manufacturing plants by employee size (monthly average)

Employee size	The number of manufacturing plants		Percent distribution	
	2009	2008	2009	2008
Total	1,818	1,816	100.0	100.0
9 or below	716	707	39.4	38.9
10 - 49	635	650	34.9	35.8
50 - 99	200	204	11.0	11.3
100 - 299	215	209	11.8	11.5
300 - 499	32	27	1.8	1.5
500 - 999	16	15	0.9	0.8
1,000 and over	3	3	0.2	0.2

2) The amount of production by employee size (monthly average) is indicated in Table 24, which shows that the amount of production at manufacturing plants with employees fewer than 50, which make up 74.3% of all, only stood at 326.9 billion yen (6.6%). In contrast, manufacturing plants with 50 or more and below 300 employees produce 2,934.4 billion yen (59.3%), and those with 300 or more employees produce 1,689.7 billion yen (34.2%).

Table 24. Amount of production by employee size (monthly average)

Employee size	Amount of production		Percent distribution	
	2009	2008	2009	2008
	Mil. yen	Mil. yen	%	%
Total	4,951,052	4,827,947	100.0	100.0
9 or below	28,733	42,116	0.6	0.9
10 - 49	298,179	299,113	6.0	6.2
50 - 99	703,749	716,217	14.2	14.8
100 - 299	2,230,643	2,206,434	45.1	45.7
300 - 499	945,101	710,314	19.1	14.7
500 - 999	701,800	798,994	14.2	16.5
1000 and over	42,847	54,760	0.9	1.1

(2) Composition by production size

Table 25 indicates the number of manufacturing plants and the amount of production by production size of drugs. While the number of manufacturing plants whose internal production and/or contract the amount of production in a month stood below 100 million yen stood at 1,483 (81.6%), their amount of production was 144.4 billion yen, which made up only 3.0% of total internal production and/or contract production. In contrast, the number of manufacturing plants whose amount of production reached or exceeded 100 million yen was only 335 (18.4%), but their amount of production reached 4,806.6 billion yen, which made up 97.1%.

Table 25. The number of manufacturing plants and amount of production by production scale

Monthly amount of production	The number of manufacturing plants with production etc.				Amount of production			
	Monthly average		Percent distribution		Amount		Percent distribution	
	2009	2008	2009	2008	2009	2008	2009	2008
			%	%	Mil. yen	Mil. yen	%	%
Total	1,818	1,816	100.0	100.0	4,951,052	4,827,943	100.0	100.0
Less than 1 million yen	837	813	46.1	44.8	956	955	0.0	0.0
1 million - less than 5 million yen	271	276	14.9	15.2	7,925	8,150	0.2	0.2
5 million - less than 10 million yen	93	106	5.1	5.8	7,972	9,031	0.2	0.2
10 million - less than 50 million yen	200	201	11.0	11.1	58,514	59,941	1.2	1.2
50 million - less than 100 million yen	82	86	4.5	4.7	69,036	74,083	1.4	1.5
100 million - less than 500 million yen	177	177	9.7	9.7	522,563	523,225	10.6	10.8
500 million - below 1 billion yen	62	62	3.4	3.4	526,841	532,947	10.6	11.0
1 billion yen and over	96	97	5.3	5.3	3,757,245	3,619,611	75.9	75.0

6. Status of import and export of drugs

Statistics of import of drugs have been clarified based on reports from marketing authorization holder offices of drugs, and from manufacturing plants of drugs, with regards to import of final products and to domestic packing production from imported preparations. Statistics of export are also based on reports from marketing authorization holder offices of drugs, and from manufacturing plants of drugs, which signifies that trades by way of trading companies etc. are not identified. Research does not cover import and export of drugs other than final products (e.g. bulk, raw powder). Therefore, use of the following figures requires relevant precautions.

(1) Export

As indicated in Table 26, export amount of drugs in 2009 stood at 162.8 billion yen, up 0.1 billion yen (0.1%) from the previous year.

Trends in export amount by geographic region are indicated in Table 27. The amount was the largest with North America at 92.1 billion yen (56.6%), followed by Asia (50.4 billion yen, 30.9%), and Europe (14.6 billion yen, 9.0%).

Export amount by major country, and by major country and by sub therapeutic category of prescription drugs, is respectively indicated in Table 28 and Table 29.

Total 26. Trends in the amount of exported drugs

(Index 2005 = 100)

Year	Amount of export	Year-on-year change		Index
		Change	Proportion	
	Mil. yen	Mil. yen	%	%
2005	125,150	-1,847	-1.5	100.0
2006	132,634	7,484	6.0	106.0
2007	144,031	11,397	8.6	115.1
2008	162,620	18,589	12.9	129.9
2009	162,759	139	0.1	130.1

Table 27. Trends in the amount of exported drugs by geographic region

(Index 2005 = 100)

Geographic region	2005		2006		2007		2008		2009	
	Amount of export	Index	Amount of export	Index	Amount of export	Index	Amount of export	Index	Amount of export	Index
	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
Total	125,150	100.0	132,634	106.0	144,031	115.1	162,620	129.9	162,759	130.1
Asia	41,051	100.0	39,921	97.2	48,501	118.1	52,723	128.4	50,352	122.7
Europe	17,211	100.0	19,016	110.5	19,354	112.5	18,673	108.5	14,626	85.0
North America	62,915	100.0	68,342	108.6	71,490	113.6	84,615	134.5	92,052	146.3
South America	1,095	100.0	1,052	96.1	691	63.1	901	82.3	478	43.7
Africa	330	100.0	910	275.8	623	188.8	898	272.1	695	210.6
Oceania	189	100.0	287	151.9	219	115.9	190	100.5	69	36.5
Others	2,358	100.0	3,105	131.7	3,153	133.7	4,619	195.9	4,487	190.3
(EU Regrouped)	14,657	100.0	16,777	114.5	16,865	115.1	13,565	92.5	11,007	75.1

Table 28. Amount of exported drugs by major country

Ranking	Country name	Amount of export		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
	Total	162,759	162,620	100.0	100.0
1	USA	89,528	82,567	55.0	50.8
2	Korea	15,704	14,790	9.6	9.1
3	China	13,536	17,560	8.3	10.8
4	Taiwan	6,084	6,762	3.7	4.2
5	Germany	6,067	8,056	3.7	5.0
6	Hong Kong	4,332	4,299	2.7	2.6
7	Thailand	3,400	1,305	2.1	0.8
8	Jordan	2,102	1,818	1.3	1.1
9	Canada	1,938	1,541	1.2	0.9
10	Italy	1,440	1,951	0.9	1.2
	Others	18,628	21,972	11.4	13.5

Table 29. Amount of export by major country and by sub therapeutic category of prescription drugs

Ranking	Therapeutic category	Amount of export		Percent distribution		Major exporters and the amounts of export (top 5 nations)
		2009	2008	2009	2008	
		Mil. yen	Mil. yen	%	%	Mil. yen
	Total	153,460	148,892	100.0	100.0	-
1	Agents affecting metabolism, not elsewhere classified	51,487	39,534	33.6	26.6	USA 45,307 Canada 1,819 Jordan 1,737 China 812 Korea 644
2	Biochemical testing reagents	29,093	29,542	19.0	19.8	USA 26,617 Germany 1,098 France 271 China 176 Hong Kong 75
3	Local anesthetics	10,306	11,512	6.7	7.7	USA 9,798 Germany 497 Switzerland 12
4	Serum-immunological testing reagents	7,118	9,342	4.6	6.3	Germany 1,879 Hong Kong 641 USA 480 Korea 443 China 224
5	Antibiotics acting mainly on gram-positive and gram-negative bacteria	6,127	7,625	4.0	5.1	China 3,808 Taiwan 895 Korea 343 Vietnam 239 Thailand 229
6	Antitumor antibiotics	4,972	6,260	3.2	4.2	Germany 590 China 580 Spain 579 UK 560 Italy 388
7	Antibiotics acting mainly on mold	4,364	3,851	2.8	2.6	USA 3,891 China 396 Jordan 35 Canada 28 Hong Kong 15
8	Antitumor plant extract preparations	3,049	3,604	2.0	2.4	Germany 506 Russia 446 Korea 256 Egypt 241 Serbia 199
9	Other digestive organ agents	2,797	2,324	1.8	1.6	Korea 1,562 Germany 711 China 199 Taiwan 109 Pakistan 44
10	Ophthalmic agents	2,634	4,799	1.7	3.2	Korea 1,923 Taiwan 225 Vietnam 146 China 145 Belgium 14
11	Other urogenital and anal organ agents	2,584	2,010	1.7	1.3	Korea 2,527 Thailand 30 Philippines 19 Singapore 8
12	Other blood and body fluid agents	2,327	2,644	1.5	1.8	Korea 1,057 Taiwan 827 Ireland 160 Germany 104 USA 78
13	Other allergic agents	2,237	1,911	1.5	1.3	Korea 2,236 Hong Kong 1
14	Synthetic antibacterials	2,226	95	1.5	0.1	Thailand 2,020 Hong Kong 206
15	Analgesics, anti-itchings, astringents, anti-inflammatory	2,147	5,231	1.4	3.5	USA 1,832 Italy 122 Portugal 71 Switzerland 48 Hong Kong 36
16	Vaccines	2,027	1,993	1.3	1.3	Korea 491 Indonesia 375 Mexico 230 India 223 Colombia 173
17	Vitamin B preparations (excluding Vitamin B1 preparations)	1,555	1,392	1.0	0.9	China 859 Jordan 257 Saudi Arabia 176 India 72 Taiwan 50
18	Antimetabolites	1,412	847	0.9	0.6	China 655 Korea 446 Taiwan 176 Germany 123 Malaysia 7
19	Hyperlipidemia agents	1,221	1,229	0.8	0.8	Korea 1,166 Thailand 36 China 19
20	Other antineoplastics	1,195	1,673	0.8	1.1	Germany 448 Mexico 160 India 116 China 81 Taiwan 74
	Others	12,579	11,474	8.2	7.7	-

(2) Import

As Table 30 indicates, import amount of drugs in 2009 stood at 2,126.5 billion yen, up 267.0 billion yen (14.4%) from 1,859.4 billion yen in 2008.

Import amount by geographic region is indicated in Table 31. The amount was the largest in Europe at 1,631.6 billion yen (76.7%), followed by North America (407.0 billion yen, 19.1%) and Asia (71.1 billion yen, 3.3%).

Import amount by major country, and by major country and by sub therapeutic category of prescription drugs, is respectively indicated in Table 32 and Table 33.

Table 30. Trends in the amount of imported drugs

(Index 2005 = 100)

Year	Amount of import	Year-on-year change		Index
		Change	Change ratio	
	Mil. yen	Mil. yen	%	
2005	1,419,111	121,209	9.3	100.0
2006	1,564,827	145,716	10.3	110.3
2007	1,708,394	143,567	9.2	120.4
2008	1,859,438	151,044	8.8	131.0
2009	2,126,464	267,026	14.4	149.8

Table 31. Trends in the amount of imported drugs by geographic region

Geographic region	Amount of import		Percent distribution	
	2009	2008	2009	2008
	Mil. yen	Mil. yen	%	%
Total	2,126,464	1,859,438	100.0	100.0
Asia	71,055	46,392	3.3	2.5
Europe	1,631,627	1,417,790	76.7	76.2
North America	407,008	377,044	19.1	20.3
South America	-	-	-	-
Africa	-	-	-	-
Oceania	16,393	18,006	0.8	1.0
Others	381	207	0.0	0.0
(EU Regrouped)	1,223,557	1,133,834	57.5	61.0

Table 32. Amount of imported drugs by major country

Ranking	Country name	Amount of import		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
	Total	2,126,464	1,859,438	100.0	100.0
1	Switzerland	399,545	276,099	18.8	14.8
2	UK	331,418	322,810	15.6	17.4
3	USA	320,441	285,328	15.1	15.3
4	Germany	250,435	252,023	11.8	13.6
5	Belgium	194,964	160,257	9.2	8.6
6	Italy	104,077	89,841	4.9	4.8
7	France	80,227	68,663	3.8	3.7
8	Puerto Rico (USA)	72,778	77,097	3.4	4.1
9	Denmark	63,259	71,579	3.0	3.8
10	Ireland	59,124	51,918	2.8	2.8
	Others	250,196	203,824	11.8	11.0

Table 33. Amount of imported drugs by major country and by sub therapeutic category of drugs

Ranking	Therapeutic category	Amount of import		Percent distribution		Major importers and the amounts of import (top 5 nations)
		2009	2008	2009	2008	
	Total	2,108,431	1,841,214	100.0	100.0	-
1	Other antineoplastics	304,557	234,473	14.4	12.7	Switzerland 142,698 Germany 68,919 USA 55,863 UK 22,746 Belgium 8,157
2	Antivirals	231,250	135,492	11.0	7.4	Switzerland 91,627 UK 69,501 Italy 27,414 Puerto Rico (USA) 17,074 USA 15,091
3	Ophthalmic agents	133,217	104,582	6.3	5.7	Belgium 116,049 Switzerland 11,829 Sweden 3,212 Germany 866 USA 546
4	Psychotropics	132,841	134,235	6.3	7.3	UK 86,214 Spain 25,749 Italy 11,869 USA 6,187 Taiwan 1,723
5	Agents affecting metabolism, not elsewhere classified	95,483	80,137	4.5	4.4	Switzerland 40,701 Germany 29,860 Spain 21,155 Belgium 1,330 UK 1,093
6	Other allergic agents	90,106	71,277	4.3	3.9	USA 59,935 Switzerland 20,332 UK 9,215 France 592 India 34
7	Other hormones (including antihormones)	86,592	82,600	4.1	4.5	UK 34,222 Puerto Rico (USA) 14,403 Germany 12,068 USA 9,955 Switzerland 7,376
8	Antidiabetic agents	75,974	79,367	3.6	4.3	Denmark 33,965 Germany 25,533 France 12,594 Italy 3,634 India 247
9	Hyperlipidemia agents	67,158	39,852	3.2	2.2	Puerto Rico (USA) 37,728 Singapore 29,398 Taiwan 32
10	Other digestive organ agents	62,447	54,540	3.0	3.0	USA 53,148 Switzerland 4,741 Czech 2,134 Canada 1,008 Australia 826
11	Other biological preparations	59,249	50,946	2.8	2.8	Ireland 30,500 Switzerland 21,636 Germany 5,430 Canada 941 Taiwan 636
12	Serum-immunological testing reagents	57,394	51,732	2.7	2.8	USA 34,343 Sweden 10,091 Germany 8,240 UK 3,927 Switzerland 321
13	Pituitary hormone preparations	51,404	51,425	2.4	2.8	Sweden 20,878 Denmark 17,424 France 10,006 Ireland 1,767 Netherlands 1,001
14	Other respiratory organ agents	51,217	47,520	2.4	2.6	UK 39,217 Australia 4,904 Sweden 3,886 Switzerland 1,206 France 1,144
15	Antitumor plant extract preparations	47,298	49,144	2.2	2.7	Italy 24,865 UK 18,279 France 3,447 Austria 233 Netherlands 178
16	Antimetabolites	46,882	21,592	2.2	1.2	France 24,141 USA 17,040 Belgium 2,529 Italy 1,974 Germany 1,196
17	Other chemotherapeutics	33,736	36,471	1.6	2.0	Belgium 17,042 Switzerland 12,301 Ireland 3,400 UK 416 Korea 222
18	Human blood preparations	27,361	23,261	1.3	1.3	USA 8,665 Belgium 6,723 Switzerland 5,681 Denmark 3,619 Germany 1,529
19	Bronchodilators	25,030	35,971	1.2	2.0	Germany 12,503 UK 6,061 Italy 3,745 USA 2,273 Canada 414
20	Alkylating agents	24,700	12,060	1.2	0.7	Finland 19,860 Italy 3,375 Germany 1,140 UK 325
	Others	404,537	444,535	19.2	24.1	-

II Sanitary materials

1. Status of production of sanitary materials

As Table 34 indicates, the amount of production of sanitary materials in 2009 stood at 53.9 billion yen, down 0.3 billion yen (0.6%) from 54.2 billion yen in 2008. Breakdown by product is indicated in Table 35. Large products decreased by 17.6% and final products increased by 1.5%.

Table 34. Trends in the amount of production of sanitary materials

(Index 2005 = 100)

Year	Amount of production	Year-on-year change		Index	Monthly average of the amount of production
		Change	Proportion		
	Mil. yen	Mil. yen	%	%	Mil. yen
2005	59,633	-2,053	-3.3	100.0	4,969
2006	54,812	-4,821	-8.1	91.9	4,568
2007	53,799	-1,013	-1.8	90.2	4,483
2008	54,217	418	0.8	90.9	4,518
2009	53,903	-314	-0.6	90.4	4,492

Table 35. Amount of production of sanitary materials

Products	Amount of production		Year-on-year change		Percent distribution	
	2009	2008	Change	Proportion	2009	2008
	Mil. yen	Mil. yen	Mil. yen	%	%	%
Total	53,903	54,217	-314	-0.6	100.0	100.0
A Large products	4,916	5,964	-1,048	-17.6	9.1	11.0
A1 Medical absorbent cotton	1,618	2,130	-512	-24.0	3.0	3.9
A2 Quasi-drug absorbent cottons	141	162	-21	-13.1	0.3	0.3
A3 Medical gauzes	3,157	3,672	-515	-14.0	5.9	6.8
B Final products	48,987	48,253	734	1.5	90.9	89.0
B1 Sanitary treatment products	48,987	48,253	734	1.5	90.9	89.0

Notes: 1) "Medical absorbent cottons" and "Medical gauzes" respectively refer to absorbent cottons and gauzes that are medical devices.
2) "Quasi-drug absorbent cottons" and "sanitary treatment products" respectively refer to absorbent cottons and sanitary treatment napkins that are quasi-drugs.

2. Status of production of sanitary materials by region

The amount of production of sanitary materials by region is indicated in Table 36, which shows that the amount was the largest in Kanto Etsusei at 29.1 billion yen (54.0%), followed by Shikoku (18.5 billion yen 34.4%), and Hokkaido Tohoku (3.7 billion yen, 6.8%). These three regions make up 95.2% of total.

Table 36. Amount of production of sanitary materials by region

Region	The number of manufacturing plants (monthly average)	Amount of production		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
Total	29	53,903	54,217	100.0	100.0
Hokkaido Tohoku	×	3,691	3,468	6.8	6.4
Kanto Etsusei	8	29,215	26,013	54.0	48.0
Tokai Hokuriku	4	566	1,279	1.1	2.4
Kinki	×	1,483	4,057	2.8	7.5
Chugoku	3	286	332	0.5	0.6
Shikoku	8	18,531	18,764	34.4	34.6
Kyushu	3	241	305	0.4	0.6

III Medical devices

Domestic amount of production of medical devices in 2009 stood at 1,576.2 billion yen, and import amount was 1,075.0 billion yen. The combined amount was 2,651.2 billion yen. Export amount stood at 475.2 billion yen.

1. Status of production of medical devices

- (1) Trends in the amount of production of medical devices over the past ten years are indicated in Table 37.

The amount of production in 2009 decreased by 116.2 billion yen (6.9%) from the previous year. Trends over the past ten years showed that the amount decreased by 0.1% in 2000 and the amount increased by 2.1% in 2001, but again decreased by 0.9% in 2002 and by 0.3% in 2003. However, the amount increased consecutively by 2.4% in 2004, by 2.5% in 2005, and by 7.4% in 2006. Although the amount dropped by 0.2% in 2007, it went up again by 0.5% in 2008. However, the amount decreased by 6.9% in 2009 again.

Table 37. Trends in the amount of production of medical devices

(Index 2000 = 100)

Year	Amount of production Mil. yen	Year-on-year change		Index %	Monthly average of the amount of production Mil. yen
		Change Mil. yen	Proportion %		
2000	1,486,266	-1,637	-0.1	100.0	123,856
2001	1,516,989	30,723	2.1	102.1	126,416
2002	1,503,507	-13,482	-0.9	101.2	125,292
2003	1,498,918	-4,589	-0.3	100.9	124,910
2004	1,534,365	35,447	2.4	103.2	127,864
2005	1,572,401	38,036	2.5	105.8	131,033
2006	1,688,344	115,943	7.4	113.6	140,695
2007	1,684,465	-3,879	-0.2	113.3	140,372
2008	1,692,352	7,887	0.5	113.9	141,029
2009	1,576,198	-116,154	-6.9	106.1	131,350

- (2) Table 38 indicates the amount of production of medical devices by main therapeutic category. The amount was the largest with operating equipment and supplies at 329.3 billion yen (20.9%), followed by diagnostic imaging system (297.3 billion yen, 18.9%), artificial internal organ apparatus and assist device (206.9 billion yen, 13.1%), measuring and monitoring system for biophenomena (175.8 billion yen, 11.2%), in vitro clinical test equipment (110.2 billion yen, 7.0%), medical apparatus for home use (99.6 billion yen, 6.3%), dental materials (95.8 billion yen, 6.1%), and related device and tool for diagnostic x-ray equipment (82.7 billion yen, 5.3%).

Table 38. Amount of production by main therapeutic category of medical devices

Ranking	Main Category	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
	Total	Mil. yen 1,576,198	Mil. yen 1,692,352	Mil. yen -116,154	% -6.9	% 100.0	% 100.0
1	Operating equipment and supplies	329,316	274,278	55,037	20.1	20.9	16.2
2	Diagnostic imaging system	297,345	368,739	-71,394	-19.4	18.9	21.8
3	Artificial internal organ apparatus and assist device	206,870	217,984	-11,114	-5.1	13.1	12.9
4	Measuring and monitoring system for biophenomena	175,826	222,030	-46,204	-20.8	11.2	13.1
5	In vitro clinical test equipment	110,225	125,585	-15,360	-12.2	7.0	7.4
6	Medical apparatus for home use	99,591	94,128	5,463	5.8	6.3	5.6
7	Dental material	95,779	108,034	-12,255	-11.3	6.1	6.4
8	Related device and tool for diagnostic X-ray equipment	82,679	82,709	-30	0.0	5.3	4.9
9	Ophthalmic goods and related product	56,383	56,181	202	0.4	3.6	3.3
10	Dental equipment	42,150	44,314	-2,164	-4.9	2.7	2.6
11	Therapeutic and surgical equipment	34,345	48,246	-13,900	-28.8	2.2	2.9
12	Clinical equipment and supplies	21,959	27,265	-5,306	-19.5	1.4	1.6
13	Steel product for medical use	14,536	12,744	1,792	14.1	0.9	0.8
14	Surgical dressing and hygienic product	9,196	10,115	-919	-9.1	0.6	0.6

(Note) The ranking in the main therapeutic category is based on the order of amounts of production in 2009.

- (3) Table 39 indicates the amount of production of medical devices by sub-sub therapeutic category at 10 billion yen or above annually. The amount was the largest with blood collecting and transfusion devices at 98.1 billion yen (6.2%), followed by whole body x-ray CT scanners (83.2 billion yen, 5.3%), dialyzers (80.2 billion yen, 5.1%), photographic films for medical use (62.7 billion yen, 4.0%), ultrasonic diagnostic imaging equipment for general use (54.8 billion yen, 3.5%), and clinical chemistry automated analyzer (50.6 billion yen, 3.2%).

Table 39. Amount of production by sub-sub therapeutic category of medical devices

Ranking	Sub-sub Category	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	Total	1,576,198	1,692,352	-116,154	-6.9	100.0	100.0
1	Blood collecting and transfusion device	98,093	88,491	9,602	10.9	6.2	5.2
2	Whole body X-ray CT scanner	83,187	99,902	-16,714	-16.7	5.3	5.9
3	Dialyzer	80,245	90,175	-9,930	-11.0	5.1	5.3
4	Photographic film for medical use	62,729	62,332	398	0.6	4.0	3.7
5	Ultrasonic diagnostic imaging equipment for general use	54,825	90,989	-36,163	-39.7	3.5	5.4
6	Clinical chemistry automated analyzer	50,590	60,133	-9,543	-15.9	3.2	3.6
7	Video image endoscope	45,618	79,759	-34,141	-42.8	2.9	4.7
8	Sterile tube and catheter for blood vessel	41,289	30,077	11,212	37.3	2.6	1.8
9	Dental gold-silver-palladium alloy	38,781	47,998	-9,217	-19.2	2.5	2.8
10	Other contact lens	30,588	26,621	3,967	14.9	1.9	1.6
11	Medical electrical equipment for endoscope	29,020	29,609	-589	-2.0	1.8	1.8
12	Artificial joint, bone and related device	27,807	30,651	-2,844	-9.3	1.8	1.8
13	Other corrective lens	23,354	27,045	-3,691	-13.6	1.5	1.6
14	Operating equipment and supplies, not elsewhere classified	21,902	417	21,485	5154.0	1.4	0.0
15	Massager for home use	21,828	26,412	-4,584	-17.4	1.4	1.6
16	Superconducting MRI system	21,405	27,451	-6,046	-22.0	1.4	1.6
17	Blood purifier	21,322	11,899	9,423	79.2	1.4	0.7
18	Computed radiography	21,276	25,028	-3,752	-15.0	1.4	1.5
19	Radiographic fluoroscopic X-ray equipment	20,342	28,914	-8,572	-29.6	1.3	1.7
20	Sterile injection needle	19,903	10,619	9,284	87.4	1.3	0.6
21	Infusion device	19,583	20,025	-442	-2.2	1.2	1.2
22	Electric therapy apparatus for home use	19,400	10,699	8,701	81.3	1.2	0.6
23	Hemodialysis apparatus	18,981	20,203	-1,222	-6.0	1.2	1.2
24	The devices for oxygen supplier	18,238	16,945	1,293	7.6	1.2	1.0
25	Infusion apparatus	17,904	22,521	-4,617	-20.5	1.1	1.3
26	Sterile injection syringe	17,762	18,283	-522	-2.9	1.1	1.1
27	Magnetic induction therapy apparatus for home use	17,095	15,383	1,712	11.1	1.1	0.9
28	Blood cell counter	16,745	13,649	3,096	22.7	1.1	0.8
29	Non-active treatment device for endoscope	15,620	14,178	1,441	10.2	1.0	0.8
30	Sterile gastrointestinal tube and catheter	15,231	10,279	4,952	48.2	1.0	0.6
31	Sterile puncture needle	14,495	12,339	2,156	17.5	0.9	0.7
32	Dental unit	14,474	13,946	527	3.8	0.9	0.8
33	Flexible fiberscope	12,103	7,096	5,007	70.6	0.8	0.4
34	Dental filling material	11,972	12,573	-601	-4.8	0.8	0.7
35	Ophthalmic camera	11,296	13,560	-2,263	-16.7	0.7	0.8
36	Immune reaction measuring device	11,169	9,408	1,761	18.7	0.7	0.6
37	Visual function testing equipment	10,842	13,903	-3,061	-22.0	0.7	0.8
38	Sterile non-woven surgical fabric products	10,748	2,638	8,110	307.4	0.7	0.2
39	Angiographic X-ray equipment	10,587	10,541	46	0.4	0.7	0.6
40	Sterile blood access for blood purification	10,343	6,437	3,906	60.7	0.7	0.4

(Note) The ranking in the sub-sub therapeutic category of medical devices is based on the order of amounts of production in 2009. The amounts are over 10 billion yen.

2. Status of production of medical devices by region

Table 40 indicates the amount of production of medical devices by prefecture. The amount increased in 19 prefectures from the previous year.

Table 40. Amount of production of medical devices by prefecture

Prefecture		Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	All Japan	1,576,198	1,692,352	-116,154	-6.9	100.00	100.00
1	Shizuoka	195,553	181,779	13,774	7.6	12.41	10.74
2	Tochigi	158,354	213,718	-55,364	-25.9	10.05	12.63
3	Tokyo	132,337	141,674	-9,337	-6.6	8.40	8.37
4	Oita	123,961	114,521	9,440	8.2	7.86	6.77
5	Chiba	93,154	92,996	158	0.2	5.91	5.50
6	Ibaraki	85,226	88,636	-3,410	-3.8	5.41	5.24
7	Saitama	83,483	98,449	-14,966	-15.2	5.30	5.82
8	Fukushima	80,128	94,166	-14,038	-14.9	5.08	5.56
9	Yamanashi	75,249	61,648	13,600	22.1	4.77	3.64
10	Shiga	49,182	44,670	4,511	10.1	3.12	2.64
11	Aichi	46,600	53,119	-6,519	-12.3	2.96	3.14
12	Kyoto	45,904	54,728	-8,824	-16.1	2.91	3.23
13	Hyogo	41,086	39,637	1,449	3.7	2.61	2.34
14	Gifu	33,583	30,712	2,871	9.3	2.13	1.81
15	Akita	33,239	30,450	2,789	9.2	2.11	1.80
16	Aomori	31,715	28,439	3,276	11.5	2.01	1.68
17	Nagano	26,268	35,576	-9,308	-26.2	1.67	2.10
18	Kanagawa	20,357	49,106	-28,749	-58.5	1.29	2.90
19	Iwate	19,728	2,976	16,752	563.0	1.25	0.18
20	Gunma	19,009	37,819	-18,810	-49.7	1.21	2.23
21	Osaka	17,863	16,633	1,230	7.4	1.13	0.98
22	Miyazaki	13,790	11,508	2,282	19.8	0.87	0.68
23	Kochi	13,181	14,433	-1,251	-8.7	0.84	0.85
24	Okayama	12,591	13,040	-448	-3.4	0.80	0.77
25	Fukuoka	12,336	16,791	-4,455	-26.5	0.78	0.99
26	Yamaguchi	12,335	14,926	-2,590	-17.4	0.78	0.88
27	Ishikawa	11,143	16,602	-5,459	-32.9	0.71	0.98
28	Hiroshima	10,061	9,048	1,014	11.2	0.64	0.53
29	Yamagata	9,303	12,459	-3,156	-25.3	0.59	0.74
30	Nara	9,211	9,250	-40	-0.4	0.58	0.55
31	Tottori	8,503	9,964	-1,461	-14.7	0.54	0.59
32	Kumamoto	7,822	2,720	5,102	187.6	0.50	0.16
33	Shimane	7,654	8,108	-453	-5.6	0.49	0.48
34	Tokushima	6,896	7,225	-329	-4.6	0.44	0.43
35	Hokkaido	5,651	5,069	582	11.5	0.36	0.30
36	Miyagi	4,567	7,521	-2,954	-39.3	0.29	0.44
37	Toyama	3,665	4,426	-762	-17.2	0.23	0.26
38	Kagawa	3,531	4,827	-1,296	-26.8	0.22	0.29
39	Niigata	3,326	5,125	-1,798	-35.1	0.21	0.30
40	Mie	3,132	3,108	24	0.8	0.20	0.18
41	Ehime	1,657	1,026	630	61.4	0.11	0.06
42	Fukui	1,438	1,401	37	2.6	0.09	0.08
43	Saga	1,145	940	205	21.8	0.07	0.06
44	Nagasaki	796	860	-64	-7.5	0.05	0.05
45	Kagoshima	456	490	-34	-6.9	0.03	0.03
46	Wakayama	31	36	-6	-16.0	0.00	0.00
46	Okinawa	0	0	0	0.0	0.00	0.00

3. Composition of medical devices by production size

Table 41 indicates the number of manufacturing plants and the amount of production by production size. Monthly amount of production was below 100 million yen at 1,326 manufacturing plants (89.3%), though their combined amount of production only made up 152.3 billion yen (10.6%) of total internal and contracted amount of production. In contrast, the number of manufacturing plants whose amount of production reaches or exceeds 100 million yen was only 161 (10.9%), but their amount of production stood at 1,287.9 billion yen (89.4%).

Table 41. The number of manufacturing plants and amount of production of medical devices by production size

Monthly amount of production	The number of manufacturing plants with production				Amount of production			
	Monthly average		Percent distribution		Amount		Percent distribution	
	2009	2008	2009	2008	2009	2008	2009	2008
Total	1,487	1,548	100.0	100.0	1,440,201	1,537,530	100.0	100.0
Less than 1 million yen	655	697	44.0	45.1	983	1,057	0.1	0.1
1million - less than 5 million yen	251	247	16.9	15.9	7,666	7,769	0.5	0.5
5 million - less than 10 million yen	109	116	7.4	7.5	9,400	9,836	0.7	0.6
10 million - less than 50 million yen	233	240	15.7	15.5	66,832	68,256	4.6	4.4
50 million - less than 100 million yen	78	75	5.3	4.8	67,428	64,211	4.7	4.2
100 million - less than 500 million yen	113	124	7.6	8.0	297,158	318,882	20.6	20.7
500 million - below 1 billion yen	25	24	1.7	1.6	214,871	212,307	14.9	13.8
1 billion yen and over	23	25	1.6	1.6	775,862	855,211	53.9	55.6

4. Status of import and export of medical devices

(1) Export

- 1) Export amount of medical devices over the past five years is indicated in Table 42. Export amount in 2009 stood at 475.2 billion yen, down 84.0 billion yen (15.0%) from 559.2 billion yen in 2008. Table 43 indicates export amount by main category. The amount was the largest with diagnostic imaging system at 154.7 billion yen (32.6%), followed by operating equipment and supplies (95.1 billion yen, 20.0%), and in vitro clinical test equipment (75.4 billion yen, 15.9%). These three products make up 68.5% of total.
- 2) As Table 44 indicates, export amount of medical devices by geographic region has increased year by year, though indicated a decrease in 2008.
- 3) Table 45 indicates export amount of medical devices by country. The proportion was the largest with the United States of America at 23.8%, followed by Germany (11.0%), People's Republic of China (8.1%), and the Netherlands (7.1%).

Table 42. Trends in the amount of exported medical devices

(Index 2005 = 100)

Year	Amount of export	Year-on-year change		Index
		Change	Proportion	
	Mil. yen	Mil. yen	%	%
2005	473,915	43,768	10.2	100.0
2006	527,526	53,611	11.3	111.3
2007	575,054	47,528	9.0	121.3
2008	559,160	-15,894	-2.8	118.0
2009	475,155	-84,005	-15.0	100.3

Table 43. Amount of export by major country and by main therapeutic category of medical devices

Ranking	Main Category	Amount of export		Percent distribution		Major exporters and the amounts of export (top 5 nations)
		2009	2008	2009	2008	
		Mil. yen	Mil. yen	%	%	Mil. yen
	Total	475,155	559,160	100.0	100.0	-
1	Diagnostic imaging system	154,653	199,785	32.6	35.7	USA 55,914 Netherlands 23,074 China 15,635 Germany 6,402 Switzerland 5,852
2	Operating equipment and supplies	95,061	90,036	20.0	16.1	USA 14,914 Belgium 6,219 China 3,391 Thailand 2,655 Taiwan 1,667
3	In vitro clinical test equipment	75,418	80,928	15.9	14.5	Germany 32,709 USA 14,892 China 3,768 Italy 1,529 Korea 660
4	Artificial internal organ apparatus and assist device	45,848	51,733	9.7	9.3	Belgium 6,950 China 6,042 USA 5,372 Germany 1,537 Taiwan 1,442
5	Measuring and monitoring system for biophenomena	33,392	49,820	7.0	8.9	USA 6,485 Germany 5,690 Netherlands 2,628 China 2,406 Singapore 1,503
6	Related device and tool for diagnostic X-ray equipment	30,710	36,927	6.5	6.6	Netherlands 5,900 USA 4,569 China 3,633 India 1,811 France 1,260
7	Dental equipment	13,949	19,238	2.9	3.4	USA 4,945 Germany 1,712 China 1,259 Taiwan 670 Korea 602
8	Medical apparatus for home use	6,635	6,914	1.4	1.2	Hong Kong 1,652 China 1,402 Taiwan 1,065 USA 814 Korea 316
9	Dental material	6,260	5,165	1.3	0.9	USA 1,295 Germany 1,139 Korea 704 Italy 231 Russia 212
10	Clinical equipment and supplies	3,777	5,065	0.8	0.9	USA 2,687 China 468 Netherlands 134 Australia 60 Thailand 57
	Others	9,450	13,548	2.0	2.4	-

Table 44. Trends in the amount of exported medical devices by geographic region

(Index 2005 = 100)

Geographic region	2005		2006		2007		2008		2009	
	Amount of export	Index	Amount of export	Index	Amount of export	Index	Amount of export	Index	Amount of export	Index
	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
Total	473,915	100.0	527,526	111.3	575,054	121.3	559,160	118.0	475,155	100.3
Asia	79,454	100.0	84,643	106.5	99,358	125.1	107,367	135.1	91,262	114.9
Europe	116,702	100.0	134,520	115.3	162,047	138.9	171,544	147.0	131,135	112.4
North America	158,898	100.0	185,129	116.5	174,239	109.7	144,463	90.9	122,172	76.9
South America	9,776	100.0	12,915	132.1	19,723	201.7	16,830	172.2	13,029	133.3
Africa	4,971	100.0	6,359	127.9	8,273	166.4	7,823	157.4	6,227	125.3
Oceania	7,457	100.0	9,628	129.1	11,365	152.4	9,224	123.7	7,156	96.0
Others	96,656	100.0	94,331	97.6	100,050	103.5	101,909	105.4	104,173	107.8
(EU Regrouped)	96,973	100.0	113,263	116.8	137,507	141.8	146,724	151.3	117,266	120.9

Table 45. Amount of exported medical devices by major country

Ranking	Country name	Amount of export		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
	Total	475,155	559,160	100.0	100.0
1	USA	112,958	133,202	23.8	23.8
2	Germany	52,315	73,169	11.0	13.1
3	China	38,469	36,960	8.1	6.6
4	Netherlands	33,585	33,085	7.1	5.9
5	Belgium	14,192	11,253	3.0	2.0
6	Taiwan	8,613	10,406	1.8	1.9
7	Korea	7,801	12,543	1.6	2.2
8	Australia	6,872	9,011	1.4	1.6
9	Switzerland	6,529	12,518	1.4	2.2
10	Brazil	5,677	7,607	1.2	1.4
	Others	188,145	219,406	39.6	39.2

(2) Import

- 1) Table 46 indicates import amount of medical devices over the past five years. Import amount in 2009 stood at 1,075.0 billion yen, down 15.8 billion yen (1.4%) from 1,090.7 billion yen in 2008. Table 47 indicates import amount by main category. The amount was the largest with artificial internal organ apparatus and assist device at 351.0 billion yen (32.6%), followed by operating equipment and supplies (247.7 billion yen, 23.0%), ophthalmic goods and related product (148.9 billion yen, 13.9%), and diagnostic imaging system (83.1 billion yen, 7.7%). These four products make up 77.2% of total.
- 2) As Table 48 indicates, import amount of medical devices by geographic region has increased every year except 2007, though indicated a decrease in 2009.
- 3) Table 49 indicates import amount of medical devices by country. The proportion was the largest with the United States of America at 53.5%, followed by Ireland (9.9%), and Germany (7.5%).

Table 46. Trends in the amount of imported medical devices

(Index 2005 = 100)

Year	Amount of import	Year-on-year change		Index
		Change	Proportion	
	Mil. yen	Mil. yen	%	%
2005	1,012,045	56,749	5.9	100.0
2006	1,097,867	85,822	8.5	108.5
2007	1,021,974	-75,893	-6.9	101.0
2008	1,090,749	68,775	6.7	107.8
2009	1,074,964	-15,785	-1.4	106.2

Table 47. Amount of import by major country and by main therapeutic category of medical devices

Ranking	Main category	Amount of import		Percent distribution		Major importers and the amounts of import (top 5 nations) Mil. yen
		2009	2008	2009	2008	
	Total	Mil. yen 1,074,964	Mil. yen 1,090,749	% 100.0	% 100.0	-
1	Artificial internal organ apparatus and assist device	350,965	339,500	32.6	31.1	USA 214,175 France 26,806 Switzerland 22,086 Ireland 20,294 Germany 13,630
2	Operating equipment and supplies	247,658	267,085	23.0	24.5	USA 178,276 Thailand 12,867 UK 11,409 Malaysia 9,111 China 5,933
3	Ophthalmic goods and related product	148,941	154,079	13.9	14.1	Ireland 76,201 USA 19,856 Thailand 13,062 Puerto Rico (USA) 10,122 Indonesia 6,727
4	Diagnostic imaging system	83,143	87,447	7.7	8.0	USA 44,616 Germany 26,864 China 4,532 Finland 4,364 France 1,034
5	Therapeutic and surgical equipment	63,318	56,105	5.9	5.1	USA 45,276 Germany 11,901 Australia 2,154 UK 1,055 China 911
6	Measuring and monitoring system for biophenomena	50,245	40,859	4.7	3.7	USA 22,201 China 14,779 Germany 4,656 Dominican Republic 2,330 Italy 1,993
7	Steel product for medical use	30,286	31,936	2.8	2.9	USA 22,159 Switzerland 2,778 Germany 1,984 France 502 Italy 400
8	Medical apparatus for home use	24,532	25,371	2.3	2.3	China 8,791 Denmark 5,844 Singapore 5,079 UK 2,114 Korea 1,048
9	Dental material	23,158	33,463	2.2	3.1	USA 6,981 Ireland 5,295 Switzerland 4,330 Germany 2,528 Sweden 1,515
10	Dental equipment	13,575	7,515	1.3	0.7	Germany 6,350 USA 4,210 Switzerland 818 Italy 647 Canada 413
	Others	39,144	47,388	3.6	4.3	-

Table 48. Trends in the amount of imported medical devices by geographic region

(Index 2005 = 100)

Geographic region	2005		2006		2007		2008		2009	
	Amount of import	Index	Amount of import	Index	Amount of import	Index	Amount of import	Index	Amount of import	Index
	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
Total	1,012,045	100.0	1,097,867	108.5	1,021,974	101.0	1,090,749	107.8	1,074,964	106.2
Asia	117,073	100.0	158,786	135.6	151,684	129.6	137,274	117.3	140,762	120.2
Europe	285,683	100.0	316,665	110.8	285,480	99.9	297,087	104.0	315,665	110.5
North America	597,952	100.0	611,450	102.3	571,547	95.6	640,870	107.2	602,338	100.7
South America	-	-	-	-	-	-	-	-	-	-
Africa	-	-	-	-	-	-	-	-	3	0
Oceania	10,129	100.0	10,054	99.3	12,159	120.0	14,158	139.8	15,482	152.8
Others	1,208	100.0	912	75.5	1,105	91.5	1,360	112.6	714	59.1
(EU Regrouped)	249,272	100.0	282,456	113.3	257,745	103.4	268,557	107.7	282,191	113.2

Table 49. Amount of imported medical devices by major country

Ranking	Country name	Amount of import		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
	Total	1,074,964	1,090,749	100.0	100.0
1	USA	575,541	633,410	53.5	58.1
2	Ireland	106,323	112,398	9.9	10.3
3	Germany	80,922	63,842	7.5	5.9
4	China	42,590	38,558	4.0	3.5
5	Thailand	36,488	38,763	3.4	3.6
6	Switzerland	32,114	27,672	3.0	2.5
7	France	29,770	15,534	2.8	1.4
8	UK	24,520	25,445	2.3	2.3
9	Puerto Rico (USA)	17,362	3,630	1.6	0.3
10	Singapore	15,807	14,022	1.5	1.3
	Others	113,527	117,474	10.6	10.8

IV Quasi-drugs

1. Status of production of quasi-drugs

- (1) Table 50 indicates trends in the amount of production of quasi-drugs over the past five years. The amount of production in 2009 stood at 822.8 billion yen, up 13.7 billion yen (1.7%) from 809.1 billion yen in 2008.
- (2) Table 51 indicates the amount of production of quasi-drugs by therapeutic category. The amount was the largest with medicated cosmetics at 288.9 billion yen (35.1%), followed by hair remedies (160.7 billion yen, 19.5%), vitamin preparations (multiple vitamins) (116.1 billion yen, 14.1%), medicated toothpastes (83.2 billion yen, 10.1%), and insecticides (49.6 billion yen, 6.0%).

Table 50. Trends in the amounts of production of quasi-drugs

(Index 2005 = 100)

Year	Amount of production	Year-on-year change		Index	Monthly average of the amount of production
		Change	Proportion		
	Mil. yen	Mil. yen	%	%	Mil. yen
2005	719,529	-53,439	2.5	100.0	59,961
2006	755,789	36,260	5.0	105.0	62,982
2007	765,745	9,956	1.3	106.4	63,812
2008	809,124	43,379	5.7	112.5	67,427
2009	822,808	13,684	1.7	114.4	68,567

Table 51. Amount of production by therapeutic category of quasi-drugs

Ranking	Therapeutic category	Amount of production		Year-on-year change		Percent distribution	
		2009	2008	Change	Proportion	2009	2008
		Mil. yen	Mil. yen	Mil. yen	%	%	%
	Total	822,808	809,124	13,683	1.7	100.0	100.0
1	Medicated cosmetics	288,912	307,346	-18,435	-6.0	35.1	38.0
2	Hair remedies	160,664	152,805	7,859	5.1	19.5	18.9
3	Vitamin preparations (multiple vitamins)	116,068	118,347	-2,279	-1.9	14.1	14.6
4	Medicated tooth pastes	83,242	72,448	10,795	14.9	10.1	9.0
5	Insecticides	49,619	53,631	-4,011	-7.5	6.0	6.6
6	Bath preparations	33,899	38,060	-4,161	-10.9	4.1	4.7
7	Disinfection agents	21,724	5,077	16,647	327.9	2.6	0.6
8	Axillary deodorants	20,720	18,051	2,669	14.8	2.5	2.2
9	Vitamin preparations	9,792	10,169	-378	-3.7	1.2	1.3
10	Contact lens disinfectant solutions	7,710	7,692	18	0.2	0.9	1.0
	Others	30,457	25,499	4,959	19.4	3.7	3.2

(Note) The ranking in the therapeutic category of drugs is based on the order of amounts of production in 2009.

Table 52. Amount of production of medicated cosmetics

(Special grouped items)

Items	Amount of production		Unit	Production quantity	
	2009	2008		2009	2008
	Mil. yen	Mil. yen			
Medicated creams	57,766	73,594	tons	5,213	4,243
Medicated lotions	86,157	100,189	1,000 L	12,485	8,575
Medicated emulsions	42,747	45,272	1,000 L	2,364	3,220
Medicated shampoos	25,392	24,174	1,000 L	23,118	21,943
Medicated rinses	1,765	1,642	1,000 L	1,425	1,432
Medicated soaps	23,817	12,442	tons	57,763	26,314

Table 53. Amount of production of hair remedies

(Special grouped items)

Items	Amount of production		Unit	Production quantity	
	2009	2008		2009	2008
	Mil. yen	Mil. yen			
Hair growing liquids	30,237	30,869	1,000 L	3,053	2,843
Depilatories	256	151	tons	207	163
Hair dyes	99,867	95,914	tons	27,053	23,624
Depigmenting agents, de-dyeing agents	1,629	1,666	tons	1,265	920
Permanent wave agent 1 containing thioglycolic acid (permanent wave agents)	4,818	4,578	1,000 L	2,914	2,810
Permanent wave agent 1 containing cysteine (permanent wave agents)	2,743	2,992	1,000 L	2,175	1,707
Japanese straight perm agent 1 (permanent wave agents)	1,696	1,988	1,000 L	747	808

2. Status of production of quasi-drugs by region

The amount of production of quasi-drugs by region is indicated in Table 54, which shows that the amount was the largest in Kanto Etsusei at 372.0 billion yen (45.2%), followed by Kinki (213.4 billion yen, 25.9%). These two regions make up 71.1% of total.

Table 54. Amount of production of quasi-drugs by region

Region	The number of manufacturing plants (monthly average)	Amount of production		Percent distribution	
		2009	2008	2009	2008
		Mil. yen	Mil. yen	%	%
Total	668	822,808	809,124	100.0	100.0
Hokkaido	6	658	508	0.1	0.1
Tohoku	16	24,213	24,992	2.9	3.1
Kanto Etsusei	264	371,998	374,375	45.2	46.3
Tokai Hokuriku	90	128,403	107,680	15.6	13.3
Kinki	207	213,443	212,131	25.9	26.2
Chugoku	20	53,370	59,082	6.5	7.3
Shikoku	38	21,816	21,222	2.7	2.6
Kyusyu	27	8,908	9,134	1.1	1.1

(Statistics)

Amount of shipment by therapeutic category of drugs and by classification according to use

Ranking of amount of shipment	Therapeutic category	Grand total						Prescription drugs					
		Total		Domestic		Export		Total		Domestic		Export	
		Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution
		Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
	Total	8,773,475	100.0	8,610,716	100.0	162,759	100.0	8,120,275	100.0	7,966,813	100.0	153,462	100.0
1	Cardiovascular agents	1,537,803	17.5	1,533,894	17.8	3,909	2.4	1,530,580	18.8	1,527,016	19.2	3,563	2.3
2	Other agents affecting metabolism	874,138	10.0	822,475	9.6	51,662	31.7	824,445	10.2	772,826	9.7	51,619	33.6
3	Central nervous system agents	856,716	9.8	855,418	9.9	1,298	0.8	753,538	9.3	752,434	9.4	1,103	0.7
4	Digestive organ agents	696,412	7.9	691,058	8.0	5,354	3.3	628,856	7.7	625,190	7.8	3,666	2.4
5	Antineoplastics	538,575	6.1	527,896	6.1	10,679	6.6	538,575	6.6	527,896	6.6	10,679	7.0
6	Blood and body fluid agents	428,050	4.9	425,549	4.9	2,501	1.5	428,050	5.3	425,549	5.3	2,501	1.6
7	Chemotherapeutics	376,141	4.3	373,914	4.3	2,227	1.4	375,767	4.6	373,540	4.7	2,227	1.5
8	Dermatologic preparations	375,181	4.3	366,698	4.3	8,483	5.2	248,018	3.1	244,383	3.1	3,635	2.4
9	Biological preparations	358,329	4.1	356,298	4.1	2,030	1.2	358,329	4.4	356,298	4.5	2,030	1.3
10	Allergic agents	325,340	3.7	322,962	3.8	2,378	1.5	323,084	4.0	320,707	4.0	2,378	1.5
11	Antibiotics	309,866	3.5	298,206	3.5	11,661	7.2	309,866	3.8	298,206	3.7	11,661	7.6
12	Extracorporeal diagnostic agents	298,909	3.4	262,269	3.0	36,640	22.5	293,439	3.6	256,816	3.2	36,623	23.9
13	Sensory organ agents	289,747	3.3	285,534	3.3	4,214	2.6	219,508	2.7	215,915	2.7	3,594	2.3
14	Hormones (including antihormones)	271,033	3.1	270,190	3.1	843	0.5	270,768	3.3	269,925	3.4	843	0.5
15	Respiratory organ agents	221,524	2.5	221,022	2.6	501	0.3	192,005	2.4	191,608	2.4	397	0.3
16	Vitamins	191,988	2.2	189,039	2.2	2,949	1.8	124,172	1.5	121,821	1.5	2,351	1.5
17	Urogenital and anal organ agents	175,195	2.0	172,596	2.0	2,599	1.6	167,354	2.1	164,769	2.1	2,585	1.7
18	Nutrients, tonics	138,874	1.6	137,462	1.6	1,413	0.9	89,508	1.1	88,725	1.1	782	0.5
19	Traditional Chinese medicines	130,632	1.5	130,610	1.5	22	0.0	108,584	1.3	108,568	1.4	16	0.0
20	Intracorporeal diagnostic agents (excluding extracorporeal diagnostic agents)	95,667	1.1	95,494	1.1	173	0.1	95,667	1.2	95,494	1.2	173	0.1
21	Peripheral nervous system agents	61,066	0.7	50,700	0.6	10,365	6.4	60,566	0.7	50,201	0.6	10,365	6.8
22	Dialysis agents	52,746	0.6	52,746	0.6	-	-	52,746	0.6	52,746	0.7	-	-
23	Radioactive drugs	35,161	0.4	34,700	0.4	460	0.3	35,161	0.4	34,700	0.4	460	0.3
24	Non-alkaloidal narcotics	25,925	0.3	25,925	0.3	-	-	25,925	0.3	25,925	0.3	-	-
25	Public health agents	24,378	0.3	24,212	0.3	166	0.1	5,022	0.1	4,919	0.1	103	0.1
	Others	84,079	1.0	83,848	1.0	232	0.1	60,741	0.7	60,635	0.8	107	0.1

(Note) The ranking in the main therapeutic category of drugs is based on the order of amounts of shipment (grand total) in 2009.

Ranking of amount of shipment	Therapeutic category	OTC drugs						Drugs for household delivery					
		Total		Domestic		Export		Total		Domestic		Export	
		Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution	Amount of shipment	Percent distribution
		Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%	Mil. yen	%
	Total	624,827	100.0	615,916	100.0	8,910	100.0	28,373	100.0	27,987	100.0	386	100.0
1	Cardiovascular agents	5,991	1.0	5,646	0.9	344	3.9	1,233	4.3	1,231	4.4	2	0.5
2	Other agents affecting metabolism	46,577	7.5	46,534	7.6	43	0.5	3,115	11.0	3,115	11.1	-	-
3	Central nervous system agents	95,360	15.3	95,166	15.5	194	2.2	7,819	27.6	7,818	27.9	1	0.3
4	Digestive organ agents	63,712	10.2	62,243	10.1	1,470	16.5	3,844	13.5	3,626	13.0	218	56.5
5	Antineoplastics	-	-	-	-	-	-	-	-	-	-	-	-
6	Blood and body fluid agents	-	-	-	-	-	-	-	-	-	-	-	-
7	Chemotherapeutics	374	0.1	374	0.1	-	-	-	-	-	-	-	-
8	Dermatologic preparations	124,191	19.9	119,343	19.4	4,847	54.4	2,972	10.5	2,971	10.6	1	0.3
9	Biological preparations	-	-	-	-	-	-	-	-	-	-	-	-
10	Allergic agents	2,174	0.3	2,174	0.4	-	-	81	0.3	81	0.3	-	-
11	Antibiotics	-	-	-	-	-	-	-	-	-	-	-	-
12	Extracorporeal diagnostic agents	5,470	0.9	5,453	0.9	17	0.2	-	-	-	-	-	-
13	Sensory organ agents	69,015	11.0	68,558	11.1	457	5.1	1,224	4.3	1,061	3.8	163	42.3
14	Hormones (including antihormones)	265	0.0	265	0.0	-	-	-	-	-	-	-	-
15	Respiratory organ agents	28,852	4.6	28,748	4.7	104	1.2	666	2.3	666	2.4	-	-
16	Vitamins	61,903	9.9	61,306	10.0	597	6.7	5,913	20.8	5,912	21.1	1	0.2
17	Urogenital and anal organ agents	7,831	1.3	7,817	1.3	14	0.2	10	0.0	10	0.0	-	-
18	Nutrients, tonics	49,059	7.9	48,429	7.9	630	7.1	308	1.1	308	1.1	-	-
19	Traditional Chinese medicines	21,041	3.4	21,036	3.4	6	0.1	1,007	3.5	1,007	3.6	-	-
20	Intracorporeal diagnostic agents (excluding extracorporeal diagnostic agents)	-	-	-	-	-	-	-	-	-	-	-	-
21	Peripheral nervous system agents	497	0.1	497	0.1	-	-	3	0.0	3	0.0	-	-
22	Dialysis agents	-	-	-	-	-	-	-	-	-	-	-	-
23	Radioactive drugs	-	-	-	-	-	-	-	-	-	-	-	-
24	Non-alkaloidal narcotics	-	-	-	-	-	-	-	-	-	-	-	-
25	Public health agents	19,356	3.1	19,293	3.1	63	0.7	-	-	-	-	-	-
	Others	23,159	3.7	23,034	3.7	125	1.4	179	0.6	179	0.6	-	-

(Note) The ranking in the main therapeutic category of drugs is based on the order of amounts of shipment (grand total) in 2009.