

Current Situation of National Universities in Japan



(Date of update: January. 17, 2013)

The Japan Association of National Universities

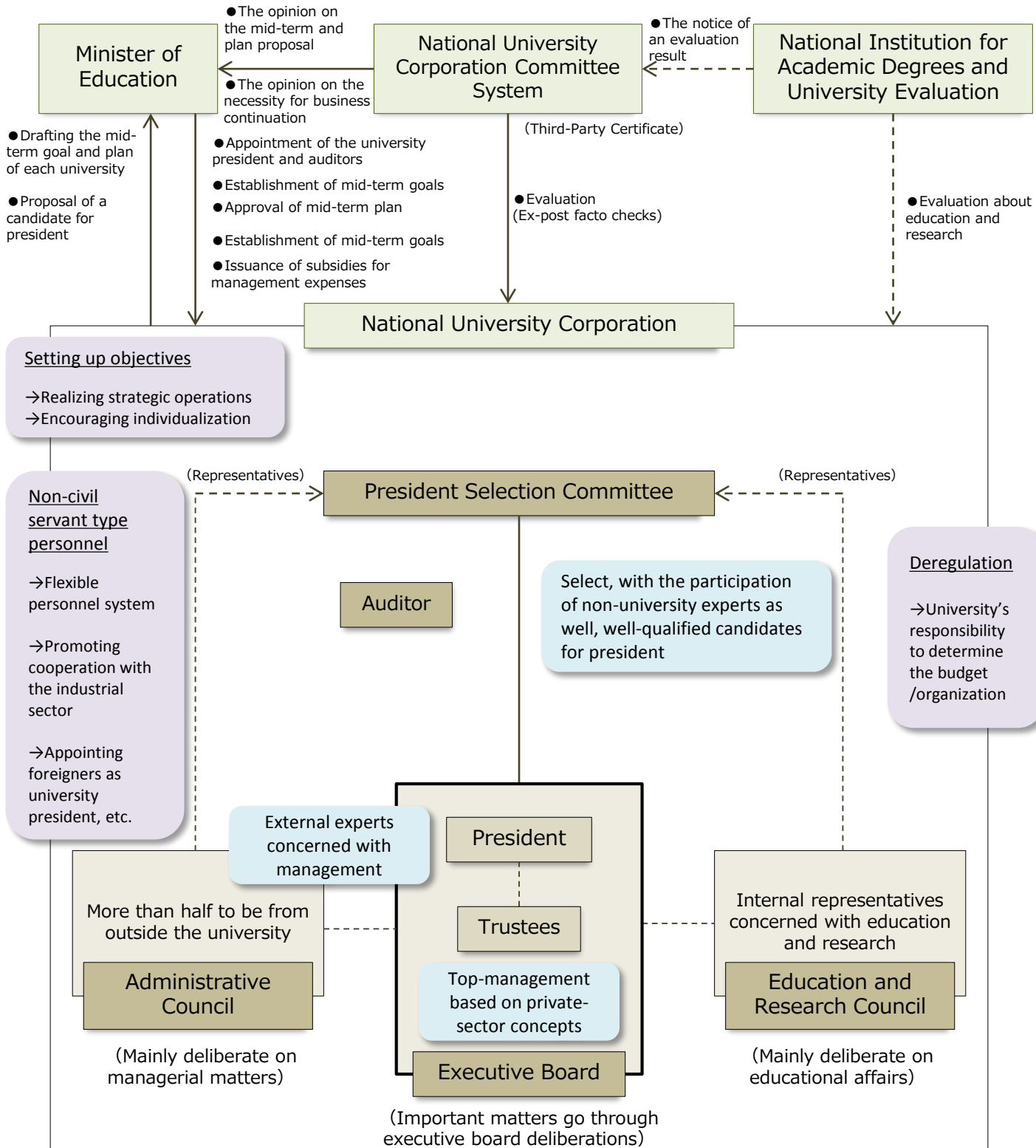
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Member Universities of the JANU

1. About national university corporations

National University Corporation System



Source: Ministry of Education, Culture, Sports, Science & Technology in Japan (MEXT)

Transformation of national universities into national university corporations

Direction of Reform

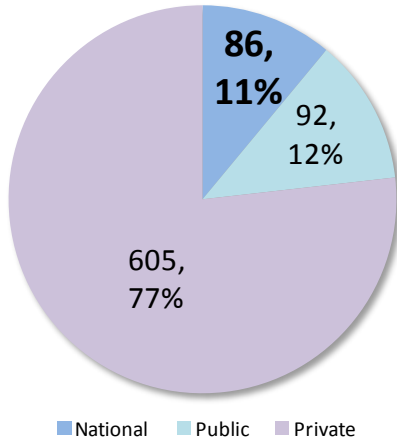
- National universities positioned as state institutions for 130 years shall obtain the status as independent "national university corporations" to the following effects:
 - (1) Further vitalization of national universities in a self-supportive environment,
 - (2) Promotion of more positive initiatives toward excellent education and characteristic studies, and
 - (3) Realization of national universities with a wide variety of characters and attractiveness.

Reform Point

- (1) **Status of corporation for each university**
 - Friendly competition among universities is ensured for positive development of attractive education and research activities.
- (2) **Clarification of visions as a university**
 - Medium-term goals provided help respective universities clarify their philosophy and reform direction.
- (3) **Substantial expansion of discretion for universities**
 - Discretion given to universities is greatly expanded through introduction of non-public servant type faculty management and considerable deregulation of state rules and regulations.
- (4) **Establishment of a responsible management system**
 - Establishment of a management system led by the president through deployment of a board of directors including off-campus directors.
- (5) **Participation of off-campus well-informed personalities in management of the university**
 - Off-campus persons with wisdom and knowledge directly participate in management as directors or management council commissioners.
- (6) **Evaluation and all-out information disclosure**
 - Implementation of third party evaluation and thorough information disclosure help carry out accountability.

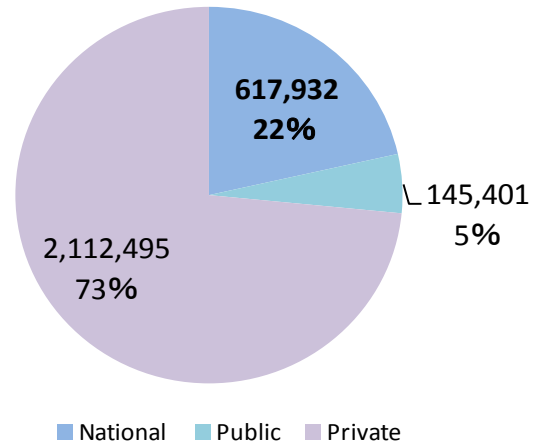
2. Institutions & Enrollment

● Institutions JFY2012



Source : MEXT School Basic Survey 2012 (QE)

● Enrollments JFY2012



NOTE: including both special training course and special university course
Source : MEXT School Basic Survey 2012 (QE)

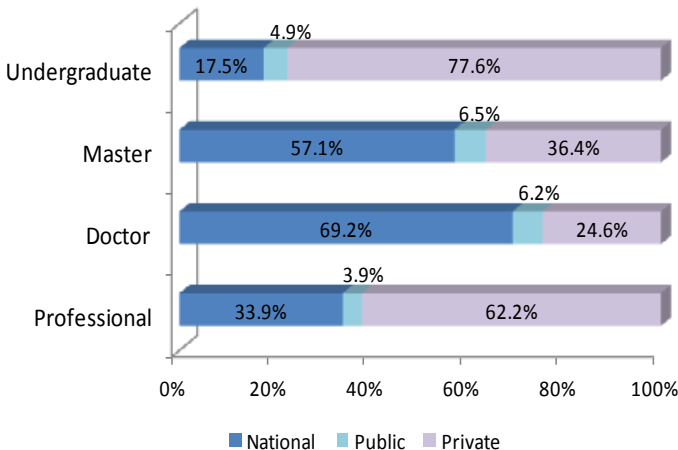
Note: "QE", which stands for Quick Estimation.

● Trend : Institutions & Enrollment

	2004	2005	2006	2007	2008	2009	2010	2011	2012	
institutions	Total	709	726	744	756	765	773	778	780	783
	National	87	87	87	87	86	86	86	86	86
	Public	80	86	89	89	90	92	95	95	92
	Private	542	553	568	580	589	595	597	599	605
Enrollment	Total	2,809,295	2,865,051	2,859,212	2,828,708	2,836,127	2,845,908	2,887,414	2,893,434	2,875,828
	Female	1,100,839	1,124,900	1,127,474	1,126,751	1,140,755	1,158,390	1,185,580	1,200,158	1,205,874
	National	624,389	627,850	628,947	627,402	623,811	621,800	625,048	623,313	617,932
	Female	212,786	213,240	213,006	213,176	211,628	211,706	212,913	211,987	210,569
	Public	122,864	124,910	127,872	129,592	131,970	136,913	142,523	143,740	145,401
	Private	2,062,042	2,112,291	2,102,393	2,071,714	2,080,346	2,087,195	2,119,843	2,126,381	2,112,495

Source : MEXT School Basic Survey

● Students by course JFY2012



	Undergraduate	Master	Doctor	Professional
Total	2,561,243	168,914	74,320	20,083
Female	1,101,720	50,420	24,500	5,562
National	448,810	96,532	51,437	6,799
Female	160,195	25,544	16,088	1,989
Public	126,300	10,898	4,590	788
Private	1,986,133	61,484	18,293	12,496

Source : MEXT School Basic Survey 2012 (QE)

3. Faculty and Staff

● Faculty JFY2011

	Total	National		Public	Private
			(Female)		
Total	364,904	100,732	16,337	26,708	237,464
Full-Time Total	176,684	62,702	8,452	12,813	101,169
President	737	86	3	80	571
Vice-President	951	325	8	75	551
Professor	69,295	21,976	1,684	4,503	42,816
Associate Professor	41,677	17,906	2,423	3,483	20,288
Lecturer	19,922	4,647	862	1,672	13,603
Assistant professor	38,319	17,119	3,116	2,672	18,528
Assistant	5,783	643	356	328	4,812
Part-Time Total	188,220	38,030	7,885	13,895	136,295

Source : MEXT School Basic Survey 2011

● Staff JFY2012

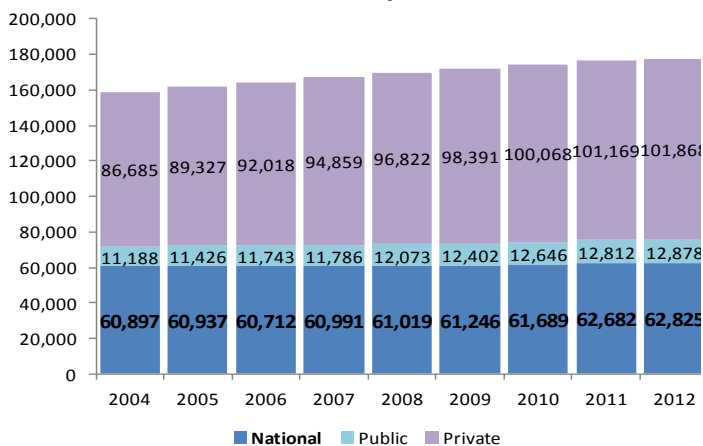
	合計	国立		公立	私立
			(女性)		
Total	214,292	69,371	41,645	13,650	131,271
Administrative	80,699	24,898	9,140	4,109	51,692
Technical	9,077	6,853	1,314	209	2,015
Medical/Nursing	115,909	36,744	30,937	8,876	70,289
Instructional	4,578	497	178	177	3,904
Others	4,029	379	76	279	3,371

Note: excluding Part-time

Source : MEXT School Basic Survey 2012 (QE)

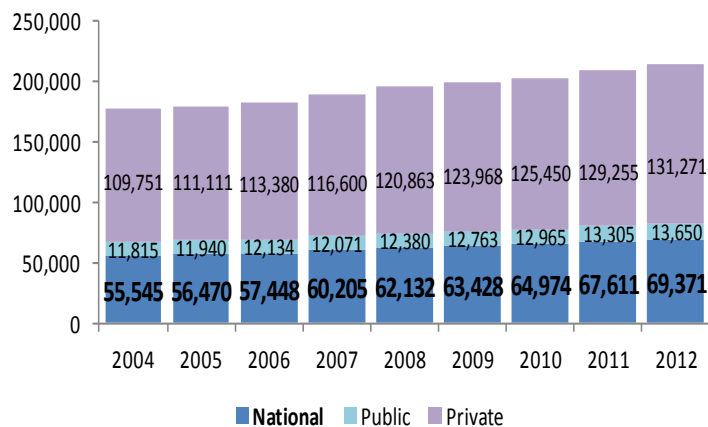
● Trend : Faculty and Staff

Faculty



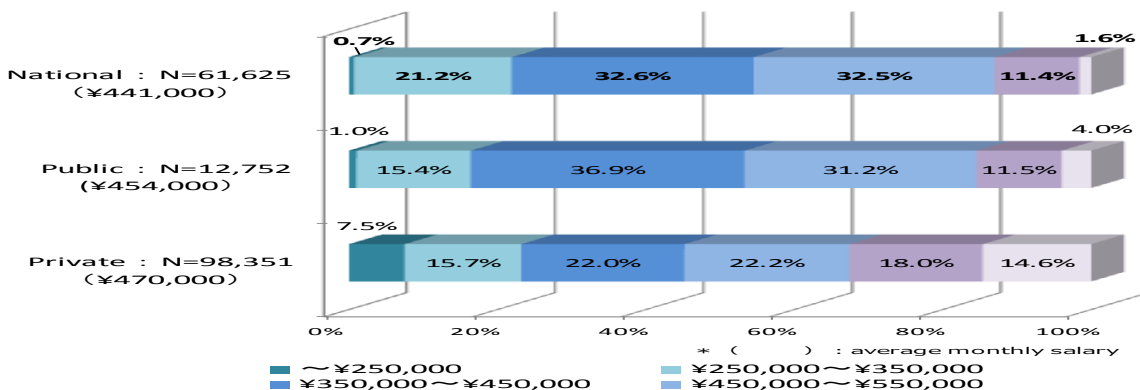
Source : MEXT School Basic Survey 2012 (QE)

Staff



Source : MEXT School Basic Survey 2012 (QE)

● Faculty salaries JFY2010



4. Admission & Student life

● Admission data (National Universities Total)

	2012			2011			2010		
	Number of Successful Applicants	Applicants	Ratio	Number of Successful Applicants	Applicants	Ratio	Number of Successful Applicants	Applicants	Ratio
	A	B	B/A	A	B	B/A	A	B	B/A
Humanities · Social Science	20,010	85,289	4.3	20,036	90,228	4.5	20,044	91,805	4.6
Science · Engineering	31,963	133,700	4.2	31,968	133,475	4.2	31,606	125,171	4.0
Agriculture · Mercantile Marine	5,375	24,664	4.6	5,255	23,453	4.5	5,456	22,448	4.1
Medical · Dental	7,476	46,672	6.2	7,476	45,393	6.1	7,559	41,759	5.5
Pharmacy · Nursing	1,118	5,921	5.3	1,108	5,121	4.6	1,158	4,794	4.1
Education & Teacher Training	11,973	54,039	4.5	11,999	55,688	4.6	12,071	55,845	4.6
Others*	2,814	17,213	6.1	2,805	17,459	6.2	2,805	18,587	6.6
Total	80,729	367,498	4.6	80,647	370,817	4.6	80,699	360,409	4.5

Note : Others include *Information Science*, *gymnastics* and so on
Source : MEXT Press Release (February 17, 2012)

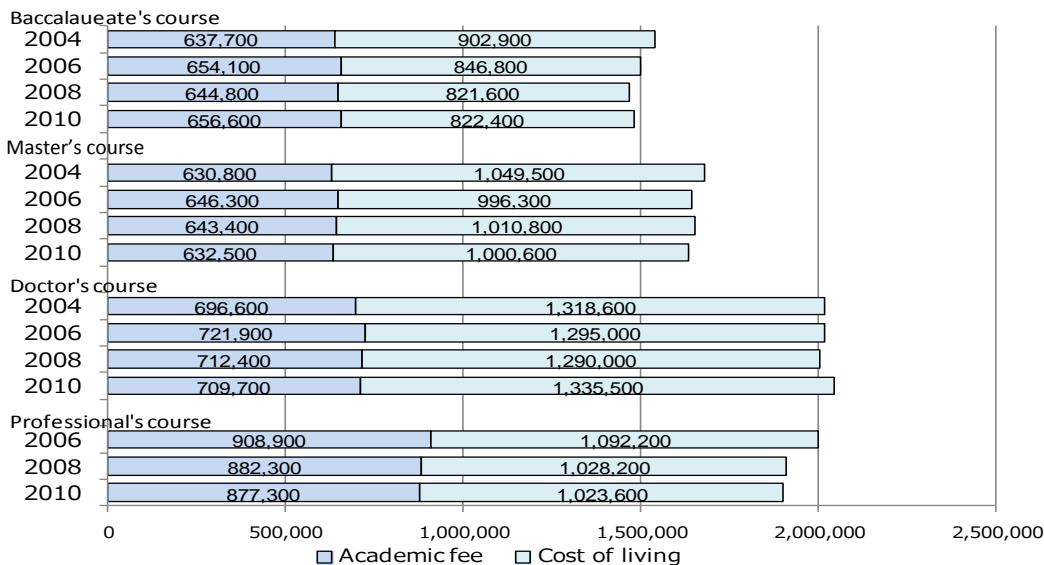
● Tuition

Category	Amount*(standard)
Tuition	¥535,800
Admission fee	¥282,000
Examination fee	Undergraduate ¥17,000
	Graduate ¥30,000

Note : This is the standard amount regulated by government.
Each national university corporation can charge their own tuition amount capped 20% more or less the standard amount.

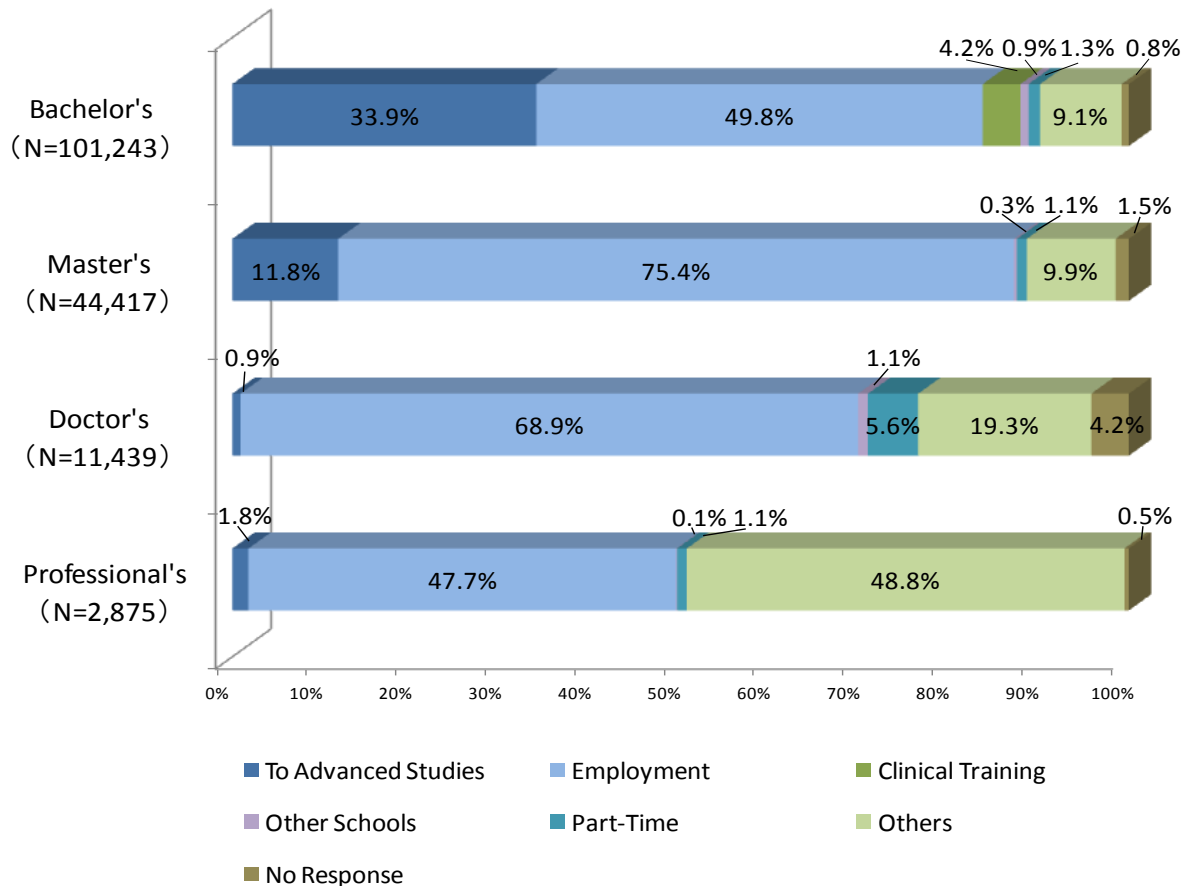
Source : MEXT Press Release (May 7, 2010)

● Spending



5. Carrier

●Carrier by type of course (Graduate, March 2012)



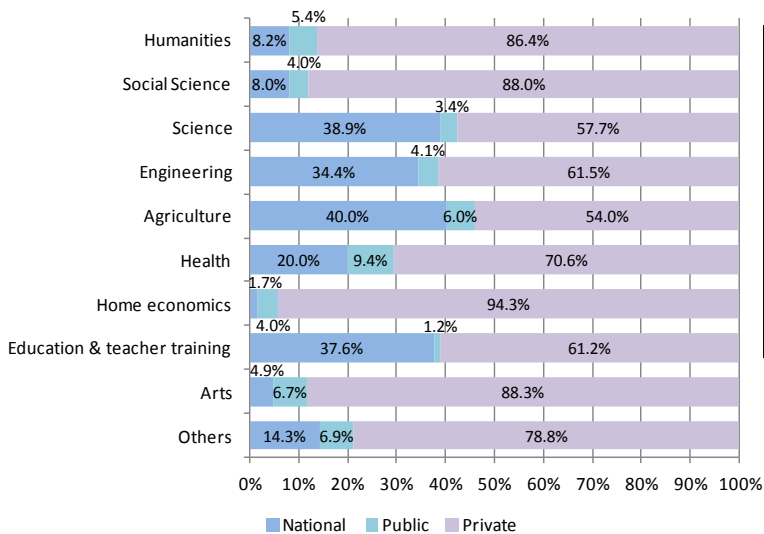
	To Advanced Studies	Employment	Clinical Training	Other Schools	Part-Time	Others	No Response	計
Bachelor's degrees	34,272	50,427	4,289	908	1,359	9,181	807	101,243
Master's degrees	5,247	33,485	-	152	501	4,380	652	44,417
Doctor's degrees	100	7,880	-	132	635	2,212	480	11,439
Professional's degrees	52	1,371	-	3	31	1,404	14	2,875

Source : MEXT School Basic Survey 2012 (QE)

6. Education

● Students by field of study

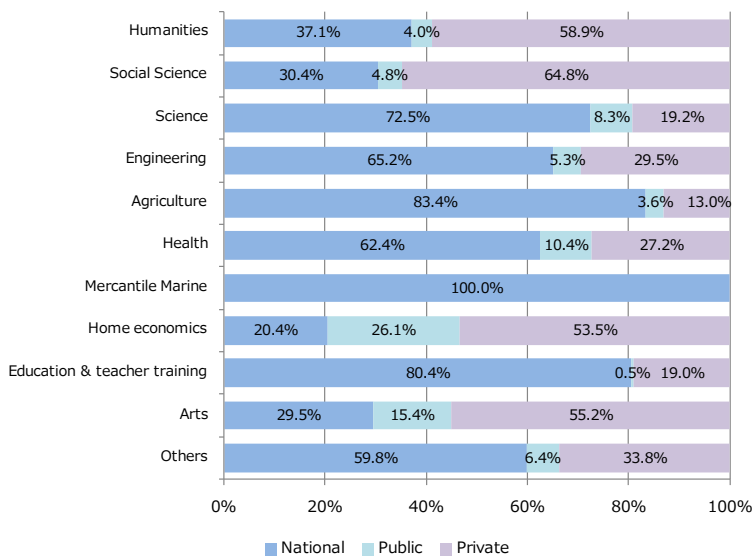
Undergraduate JFY2012



	Humanities	Social Science	Science	Engineering	Agriculture
National	31,176	68,796	31,536	134,271	30,339
Public	20,610	34,290	2,763	16,071	4,514
Private	327,581	758,941	46,700	240,268	40,888
	Health	Home economics	Education & teacher training	Arts	Others
National	56,456	1,224	67,047	3,511	24,454
Public	26,580	2,778	2,234	4,776	11,684
Private	199,302	66,267	109,146	62,643	134,397

Source : MEXT School Basic Survey 2012 (QE)

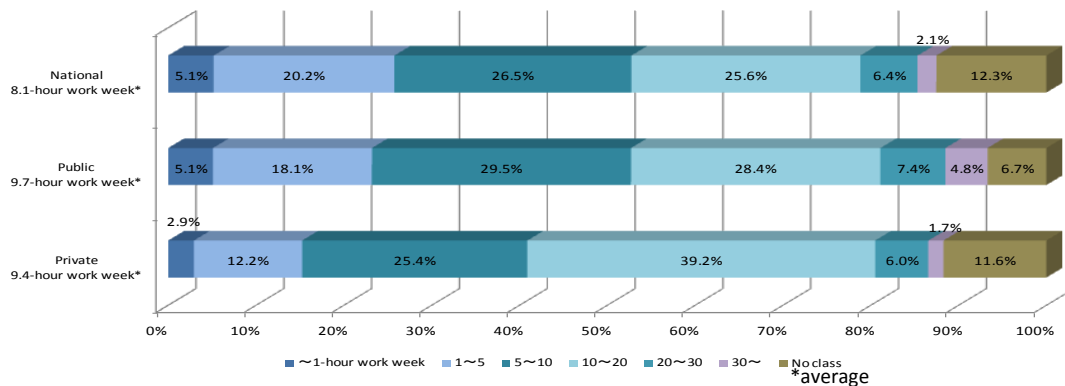
Graduate JFY2011



	Humanities	Social Science	Science	Engineering	Agriculture	Health
National	7,504	13,956	14,137	57,159	11,343	23,121
Public	809	2,188	1,590	4,442	468	3,871
Private	11,823	29,797	3,648	24,676	1,723	10,766
	Mercantile Marine	Home economics	Education & teacher training	Arts	Others	
National	75	281	11,753	1,556	16,207	
Public	0	388	75	798	1,774	
Private	0	748	2,678	2,835	9,265	

Source : MEXT School Basic Survey 2011

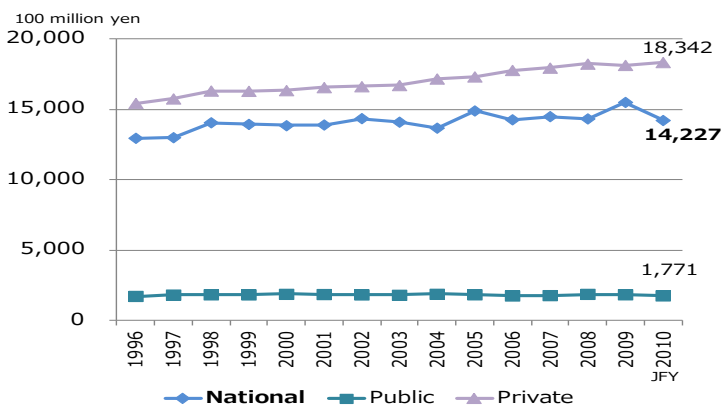
● Units of teaching load per week by type of Institutions JFY2010



Source : School Teachers Survey 2010

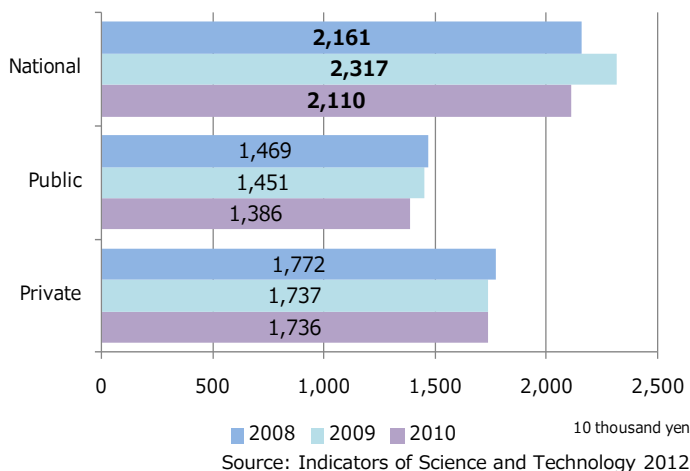
7. Research

● Universities expenditure on R&D



Source: Indicators of Science and Technology 2012

● R&D expenditures per teacher at universities



Source: Indicators of Science and Technology 2012

● R&D expenditures by organization and science JFY2010

	Total	National	Public	Private
Total	3,433,979	1,422,721	177,083	1,834,176
Natural sciences and engineering	2,183,807	1,170,484	125,975	887,347
Physical sciences	293,932	241,013	10,650	42,269
Engineering and agricultural	761,388	465,135	30,965	265,288
Medical sciences	139,626	92,495	10,836	36,296
Social sciences and humanities	988,861	371,842	73,525	543,495
Others	856,274	129,425	37,751	689,098
	393,898	122,812	13,356	257,730

Source: Indicators of Science and Technology 2012

● Nobel laureates (Japanese)

Year	Name	Field	Educational Background	Affiliation at the time of the award
1949	Hideki Yukawa	Physics	Kyoto University	Kyoto University / Columbia University
1965	Sin-Ichiro Tomonaga	Physics	Kyoto University	Tokyo University of Education
1968	Yasunari Kawabata	Literature	The University of Tokyo	-
1973	Leo Esaki	Physics	The University of Tokyo	IBM Thomas J. Watson Research Center
1974	Eisaku Sato	Peace	The University of Tokyo	-
1981	Kenichi Fukui	Chemistry	Kyoto University	Kyoto University
1987	Susumu Tonegawa	Physiology or Medicine	Kyoto University	Massachusetts Institute of Technology
1994	Kenzaburo Oe	Literature	The University of Tokyo	-
2000	Hideki Shirakawa	Chemistry	Tokyo Institute of Technology	University of Tsukuba
2001	Ryoji Noyori	Chemistry	Kyoto University	Nagoya University
2002	Masatoshi Koshi	Physics	The University of Tokyo	The University of Tokyo
	Koichi Tanaka	Chemistry	Tohoku University	Shimadzu Corp.
2008	Yoichiro Nambu	Physics	The University of Tokyo	Chicago University
	Toshihide Maskawa	Physics	Nagoya University	Kyoto University Yukawa Institute for Theoretical Physics / Kyoto Sangyo University
	Makoto Kobayashi	Physics	Nagoya University	High Energy Accelerator Research Organization
	Osamu Shimomura	Chemistry	Nagasaki University	Boston University
2010	Akira Suzuki	Chemistry	Hokkaido University	Hokkaido University
	Ei-ichi Negishi	Chemistry	The University of Tokyo	Purdue University
2012	Shinya Yamanaka	Physiology or Medicine	Kobe University	Kyoto University / Kyoto University Center for IPS Cell Research and Application

Source: Nobel Prize HP (December 27, 2012 accessed)

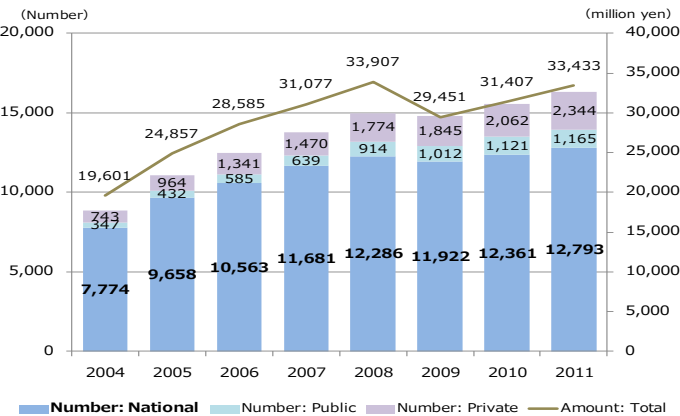
● WPI (World Premier International Research Center Initiative)

- AIMR on materials science : **[Tohoku University]**
- IPMU on universe : **[The University of Tokyo]**
- iCeMS on cell biology : **[Kyoto University]**
- IFRc on immunology : **[Osaka University]**
- MANA on nanotechnology : **[National Institute for Material Science]**
- I²CNER on energy issues : **[Kyushu University]**
- International Institute for Integrative Sleep Medicine: **[University of Tsukuba]**
- Earth-Life Science Institute : **[Tokyo Institute of Technology]**
- Institute of Transformation Bio-Molecules : **[Nagoya University]**

Source: Mext WPI Initiative HP (12/20/2012 accessed) , White Paper on Science and Technology 2012

8. Universities-Industry Links

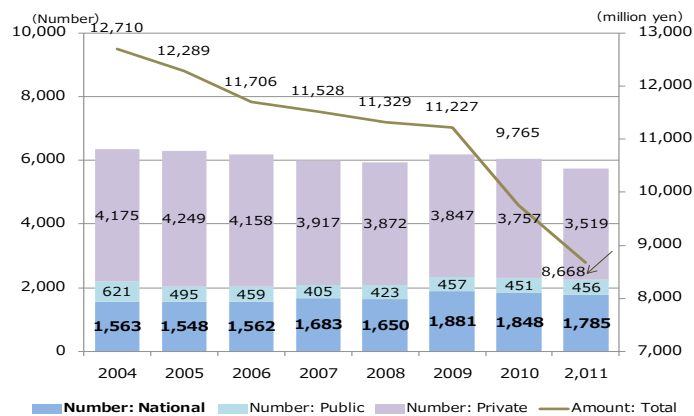
● Number & amount of joint research



year	National		Public		Private	
	Number	Amount	Number	Amount	Number	Amount
2004	7,774	16,230	347	613	743	2,758
2005	9,658	20,927	432	888	964	3,042
2006	10,563	23,226	585	1,309	1,341	4,051
2007	11,681	25,651	639	1,137	1,470	4,290
2008	12,286	27,857	914	1,585	1,774	4,464
2009	11,922	24,070	1,012	1,383	1,845	3,998
2010	12,361	25,468	1,121	1,446	2,062	4,493
2011	12,793	26,522	1,165	1,637	2,344	5,274

※Amount : million yen

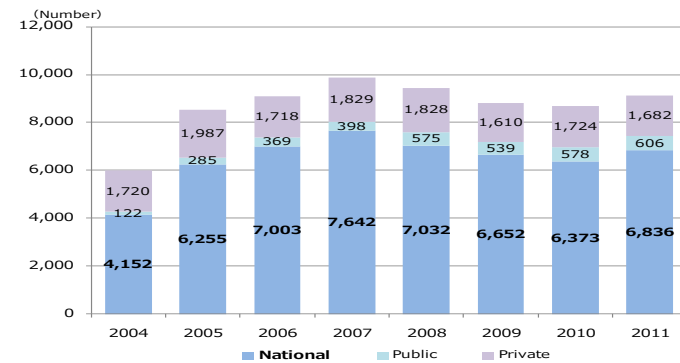
● Number & amount of commissioned research



year	National		Public		Private	
	Number	Amount	Number	Amount	Number	Amount
2004	1,563	4,954	621	702	4,175	7,054
2005	1,548	3,970	495	749	4,249	7,570
2006	1,562	3,857	459	819	4,158	7,030
2007	1,683	4,291	405	586	3,917	6,651
2008	1,650	4,299	423	692	3,872	6,338
2009	1,881	4,623	457	885	3,847	5,719
2010	1,848	3,793	451	622	3,757	5,349
2011	1,785	2,874	456	653	3,519	5,141

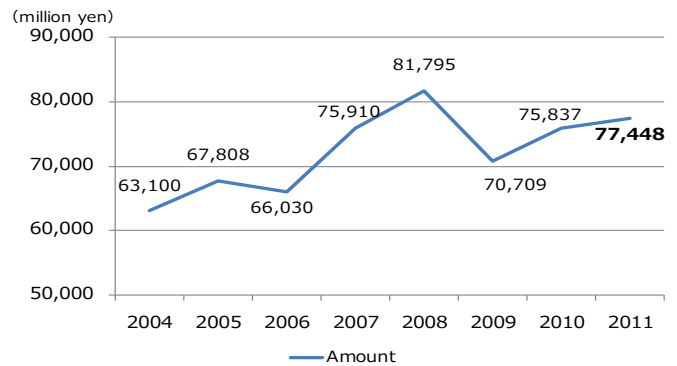
※Amount : million yen

● Number of patent application



Year	National		Public		Private	
	domestic	foreign	domestic	foreign	domestic	foreign
2004	3,756	396	115	7	1,214	506
2005	5,349	906	269	16	1,579	408
2006	5,650	1,353	313	56	1,319	399
2007	5,215	2,427	347	51	1,320	509
2008	5,134	1,898	435	140	1,411	417
2009	5,033	1,619	459	80	1,307	303
2010	4,670	1,703	487	91	1,333	391
2011	4,758	2,078	473	133	1,276	406

● Amount of contribution in national university



● Number and amount of clinical trial

	Number	Amount
Total	67,630	16,633
National	59,866	7,810
Public	1,089	1,463
Private	6,675	7,360

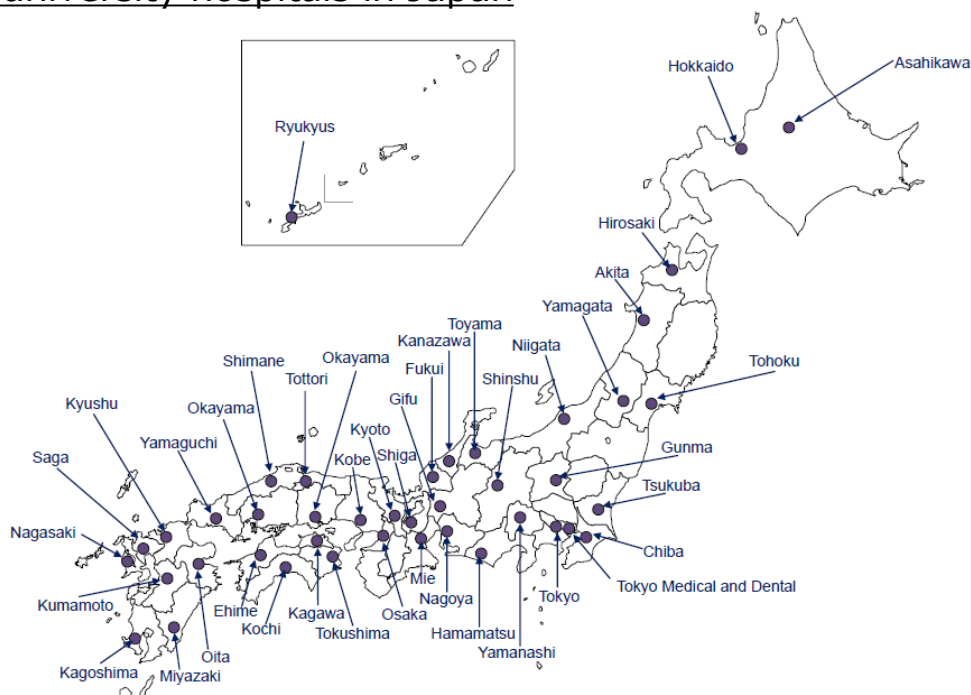
※Amount : million yen

NOTE

- : 1 The Performance in 2009 resulted in a decrease because of worldwide recession.
- : 2 These data also include National Colleges of Technology and Inter-University Research Institute Corporation.

9. Medical services

● National university hospitals in Japan



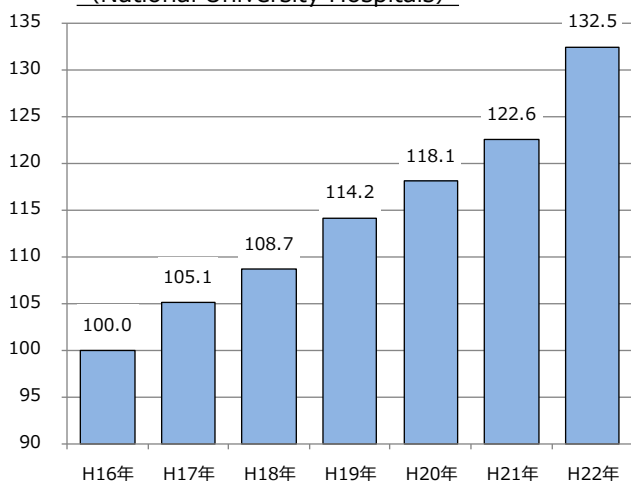
● University hospitals in Japan

	National	Public	Private
Number of university which has hospital	42	10	80
Number of hospital bed	32,513	7,876	52,323
Number of full-time doctor	9,960	2,410	17,069
Number of full-time nurse	24,694	5,950	40,374

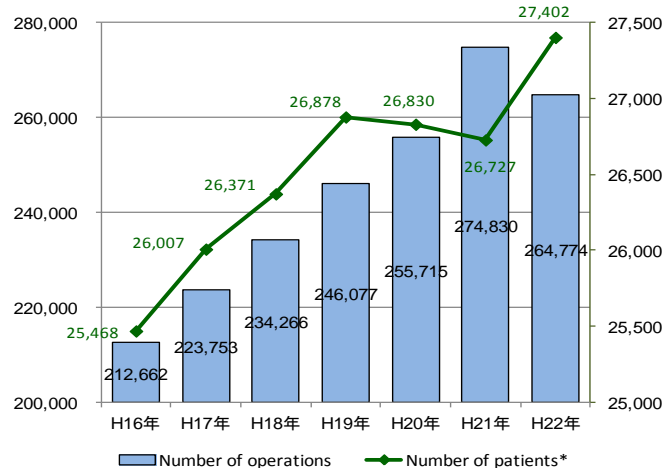
Source : MEXT "Daigakubyoin no genjyo"(September 2009)

● Medical income

(National University Hospitals)



● Number of operations and patients

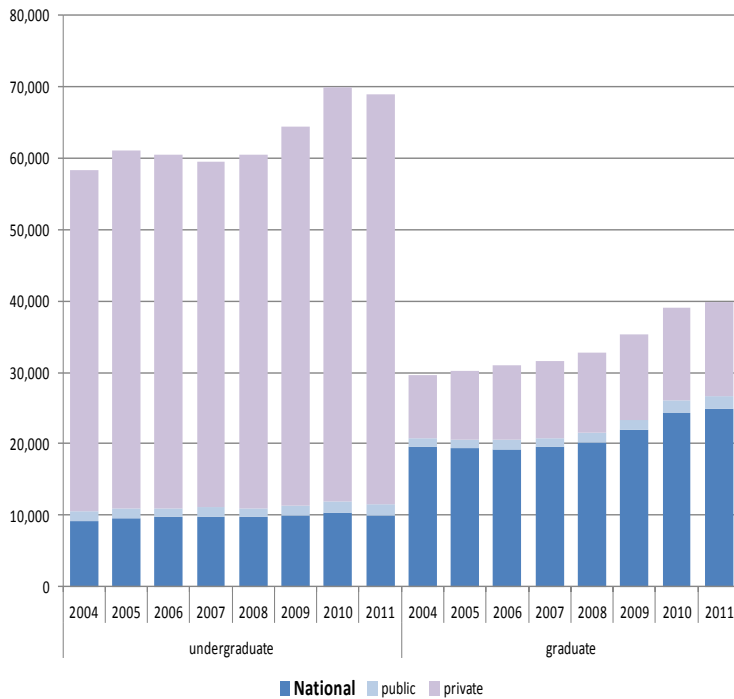


Note * including inpatients and outpatients

Source : JANU "The Questionnaire Survey on National University Hospital 2011"

10. Internationalization

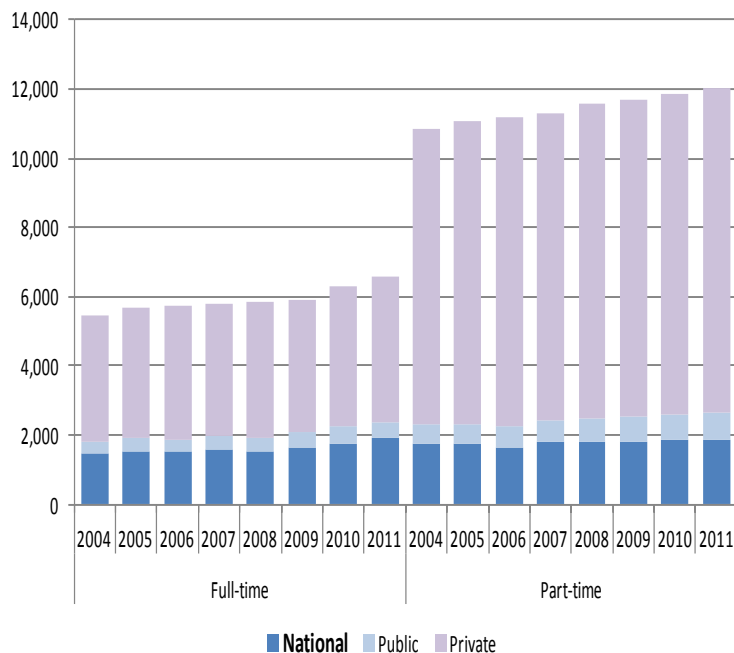
● International students



		National	public	private
undergraduate	2004	9,084	1,406	47,834
	2005	9,574	1,384	50,194
	2006	9,668	1,335	49,417
	2007	9,767	1,284	48,459
	2008	9,674	1,302	49,544
	2009	9,907	1,313	53,107
	2010	10,362	1,476	58,183
	2011	9,931	1,495	57,475
graduate	2004	19,518	1,302	8,694
	2005	19,333	1,312	9,633
	2006	19,264	1,347	10,299
	2007	19,516	1,337	10,739
	2008	20,247	1,316	11,103
	2009	21,884	1,493	12,028
	2010	24,355	1,614	13,128
	2011	24,937	1,713	13,099

Source : JASSO International students in Japan 2011

● International Scholars

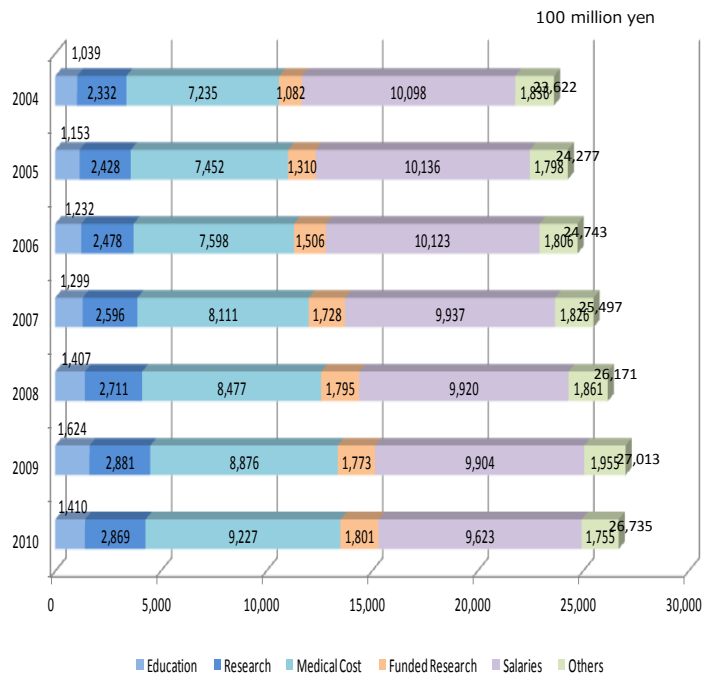
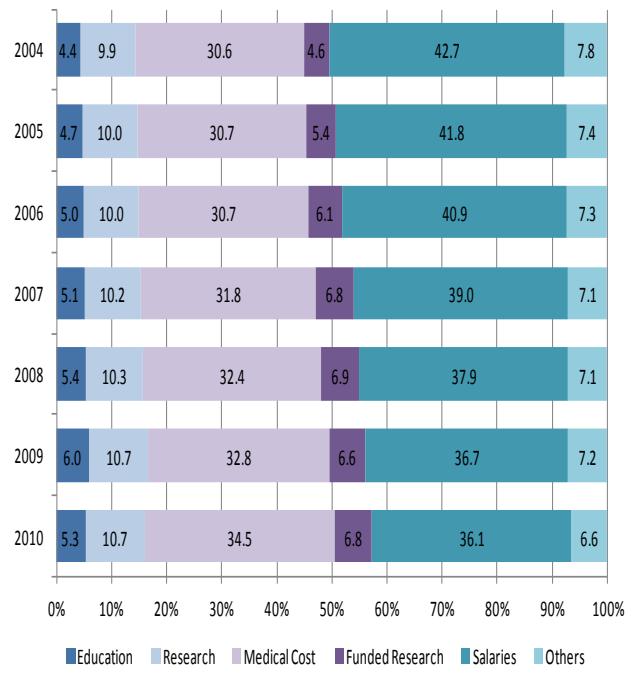


		National	Public	Private
Full-time	2004	1,474	347	3,609
	2005	1,545	375	3,732
	2006	1,503	381	3,851
	2007	1,579	378	3,806
	2008	1,551	386	3,938
	2009	1,638	436	3,857
	2010	1,770	462	4,060
	2011	1,932	448	4,223
Part-time	2004	1,726	577	8,531
	2005	1,727	605	8,713
	2006	1,653	599	8,908
	2007	1,801	630	8,885
	2008	1,795	666	9,099
	2009	1,806	729	9,134
	2010	1,843	770	9,258
	2011	1,870	779	9,353

Source : MEXT School Basic Survey 2011

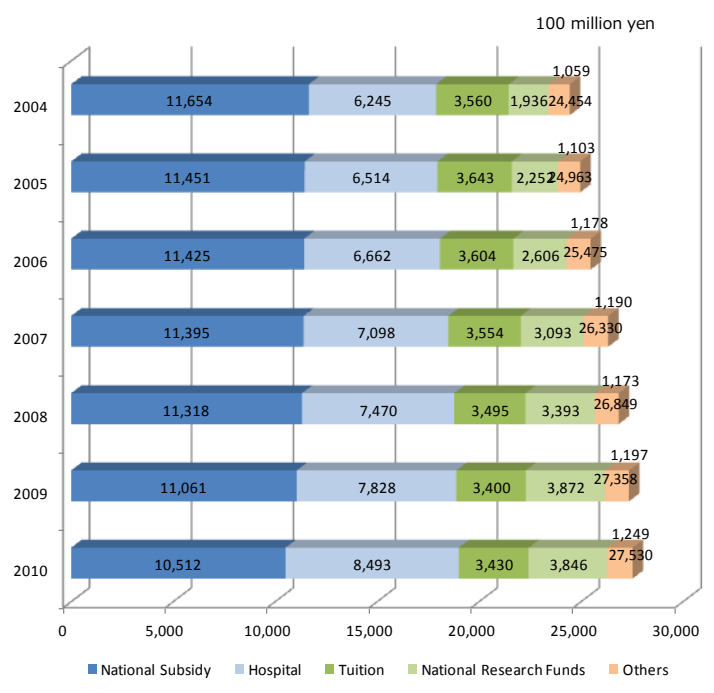
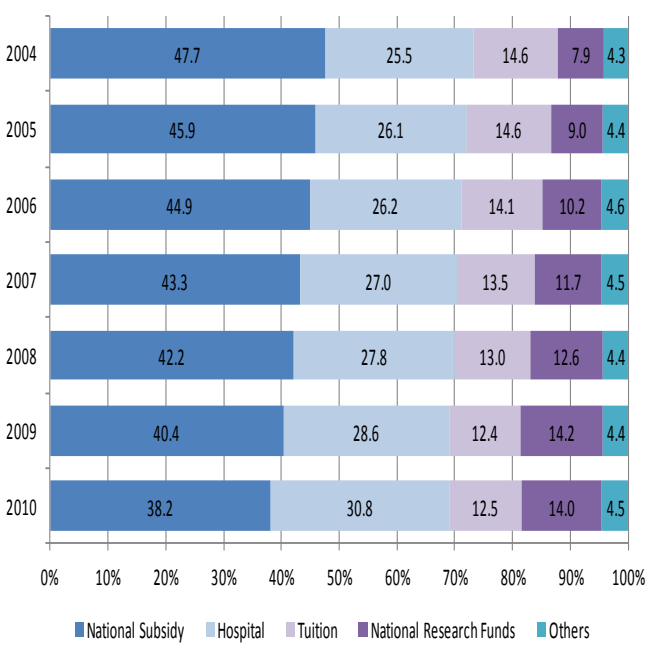
1 1. Finance

● Expenditure



Source: MEXT Press Release

● Revenue



Source: MEXT Press Release

Member of JANU

Hokkaido Branch(7)	Tokyo University of Foreign Studies	Hyogo University of Teacher Education
Hokkaido University	Tokyo Gakugei University	Kobe University
Hokkaido University of Education	Tokyo University of Agriculture and	Nara University of Education
Muroran Institute of Technology	Technology	Nara Women's University
Otaru University of Commerce	Tokyo University of the Arts	Nara Institute of Science and Technology
Obihiro University of Agriculture & Veterinary Medicine	Tokyo Institute of Technology	Wakayama University
Asahikawa Medical University	Tokyo University of Marine Science and Technology	
Kitami Institute of Technology	Ochanomizu University	Chugoku-Shikoku Branch(10)
	The University of Electro-Communications	Tottori University
Tohoku Branch(7)		Shimane University
Hirosaki University	Hitotsubashi University	Okayama University
Iwate University	National Graduate Institute for Policy Studies	Hiroshima University
Tohoku University		Yamaguchi University
Miyagi University of Education		The University of Tokushima
Akita University	Tokai-Hokuriku Branch(12)	Naruto University of Education
Yamagata University	University of Toyama	Kagawa University
Fukushima University	Kanazawa University	Ehime University
	Japan Advanced Institute of Science and Technology	Kochi University
Kanto-Konshin'etsu Branch(14)		
Ibaraki University	University of Fukui	Kyushu Branch(11)
University of Tsukuba	Gifu University	Fukuoka University of Education
Tsukuba University of Technology	Shizuoka University	Kyushu University
Utsunomiya University	Hamamatsu University School of Medicine	Kyushu Institute of Technology
Gunma University		Saga University
Saitama University	Nagoya University	Nagasaki University
Chiba University	Aichi University of Education	Kumamoto University
Yokohama National University	Nagoya Institute of Technology	Oita University
The Graduate University for Advanced Studies	Toyohashi University of Technology	University of Miyazaki
	Mie University	Kagoshima University
Niigata University		National Institute of Fitness and Sports in Kanoya
Nagaoka University of Technology	Kinki Branch(13)	
Joetsu University of Education	Shiga University	University of the Ryukyus
University of Yamanashi	Shiga University of Medical Science	
Shinshu University	Kyoto University	Special Members(4)
	Kyoto University of Education	National Institute for the Humanities
Tokyo Branch(14)	Kyoto Institute of Technology	National Institute of Natural Sciences
The Univeristy of Tokyo	Osaka University	High Energy Accelerator Research Organization
Tokyo Medical and Dental University	Osaka Kyoiku University	Research Organization of Information and Systems