2006 File-sharing Software Users Status Survey

Summary Report

July 25, 2006

Association of Copyright for Computer Software
Recording Industry Association of Japan
Japanese Society for Rights of Authors, Composers and Publishers
Japan and International Motion Picture Copyright Association, Inc.
TV Asahi Corporation
TV TOKYO Corporation
Tokyo Broadcasting System, Inc.
Nippon Television Network Corporation
Japan Broadcasting Corporation
Fuji Television Network, Inc.

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I. Survey Method

The survey was conducted using a web-based questionnaire site on the Internet to determine the status of file-sharing software; therefore all respondents were users of the Internet.

Survey Period   June 13 (Tue) - June 18 (Sun), 2006
Total Respondents (people)   18,596

<u>Breakdown of Respondents</u>

Gender-specific

	Total	Male	Female
Total	18,596	10,748	7,848
	100.0	100.0	100.0
Male	10,748	10,748	0
	57.8	100.0	0.0
Female	7,848	0	7,848
	42.2	0.0	100.0
No reply	0	0	0
	0.0	0.0	0.0

Age-specific

	Total	Male	Female
Total	18,596	10,748	7,848
	100.0	100.0	100.0
10s	301	105	196
	1.6	1.0	2.5
20s	2,399	954	1,445
	12.9	8.9	18.4
30s	6,654	3,317	3,337
	35.8	30.9	42.5
40s	5,798	3,780	2,018
	31.2	35.2	25.7
50s and over	3,444	2,592	852
	18.5	24.1	10.9
No reply	0	0	0
	0.0	0.0	0.0

Occupation

	Total	Male	Female
Total	18,596	10,748	7,848
	100.0	100.0	100.0
Student	665	316	349
	3.6	2.9	4.4
Employee	8,384	6,315	2,069
	45.1	58.8	26.4
Self-employed	1,451	1,209	242
	7.8	11.2	3.1
Company owner	449	392	57
	2.4	3.6	0.7
Freelance	639	453	186
	3.4	4.2	2.4
Government employee	764	661	103
	4.1	6.1	1.3
Part-time employee	1,645	412	1,233
	8.8	3.8	15.7
Domestic helper	89	15	74
	0.5	0.1	0.9
Full-time housewife	2,618	0	2,618
	14.1	0.0	33.4
Housewife with job	526	0	526
	2.8	0.0	6.7
Unemployed	1,188	875	313
	6.4	8.1	4.0
Other	178	100	78
	1.0	0.9	1.0
No reply	0	0	0
	0.0	0.0	0.0

Upper column: Actual number
Lower column: Percentage distribution (%)

- ➢ The "2002 Survey" was a questionnaire regarding file-sharing software users conducted in January 2002 by the Recording Industry Association of Japan (RIAJ) and Association of Copyright for Computer Software (ACCS). The results, "File-sharing Software Survey Report," were made public in June 2002.

- ➢ The "2003 Survey" was a questionnaire regarding file-sharing software users conducted in January 2003 by the ACCS in connection with the "Rights Clearance Demonstration Experiment" of Japan's Ministry of Internal Affairs and Communications (MIC) and with the cooperation of RIAJ. A summary of the results was made public in June 2003.

- ➢ The "2004 Survey" was a questionnaire regarding file-sharing software users conducted in January 2004 by the ACCS in connection with the "Rights Clearance Demonstration Experiment" of Japan's Ministry of Internal Affairs and Communications (MIC) and with the cooperation of RIAJ.

- ➢ The "2005 Survey" was a questionnaire regarding file-sharing software users conducted in January 2005 by the ACCS in connection with the "Rights Clearance Demonstration Experiment" of Japan's Ministry of Internal Affairs and Communications (MIC) and with the cooperation of RIAJ.

- ➢ The "Current users" listed herein are people who answered that they have used file-sharing software after July 2005, and "Former users" means those who used file-sharing software before June 2005.

- ➢ All of the numerical figures in this report have been rounded to the first decimal place (tenths); however, actual calculations were carried out to the second decimal place (one-hundredths).

II. Present Status of File-sharing Software and Users

1. Usage rate and change

File-sharing software is presently being used by 3.5% of Internet users, and 8.6% of Internet users have used the software in the past. Combining these percentages, a total of 12.0% of Internet users have experienced using file-sharing software. Both the number for "Current users" and that for "Former users" are the highest reported to date, and the ratio for having experienced using file-sharing software has risen over 10% for the first time. The usage rate is higher for males than for females, and for both sexes there is a higher usage rate among young people. As for "Line" delivery, the highest usage rate is with broadband.

* Regarding the file-sharing usage ratio, data has been made public every year, making accurate figures available. The usage rate to the second decimal place is as follows: <u>Current users, 3.47%; Former users, 8.55%; and the number of people having experienced file sharing (both figures combined) is 12.02%.</u>

Time line		Now using	Previously used	(%)
2006 Total	（N=18596）	3.5	8.6	(12.0) ← "Have experienced file sharing"
2005 Total	（N=26133）	2.7	6.3	(9.0)
2004 Total	（N=20198）	2.6	3.7	(6.3)
2003 Total	（N=18831）	3.4	3.0	(6.4)
2002 Total	（N=21060）	3.0	3.4	(6.4)
Gender-specific				
Male	（N=10748）	4.6	10.8	(15.5)
Female	（N=7848）	1.9	5.4	(7.3)
Age-specific				
10s	（N=301）	11.0	8.3	(19.3)
20s	（N=2399）	6.0	12.6	(18.7)
30s	（N=6654）	3.6	9.9	(13.5)
40s and over	（N=9242）	2.5	6.5	(9.0)
Male				(27.6)
20s and under	（N=1059）	10.0	17.6	
30s	（N=3317）	5.7	13.7	(19.4)
40s and over	（N=6372）	3.1	8.2	(11.4)
Female				
20s and under	（N=1641）	4.4	8.7	(13.0)
30s	（N=3337）	1.4	6.1	(7.5)
40s and over	（N=2870）	1.0	2.8	(3.8)
Line				
Narrowband	（N=598）	2.2	4.5	(6.7)
Broadband	（N=17594）	3.6	8.8	(12.4)

2. Number of file-sharing software users

The number of file-sharing software users as of the end of February 2006 was estimated based on the data of the "Internet White Paper 2006." The white paper data was released by Impress R&D on June 21, 2006.

According to the data, as of the end of February 2006, the number of Internet users in Japan connected to the Internet using equipment at home is estimated to be 50,602,100.

The percentage of current users is 3.5%, and that of former users is 8.6%. Based on these figures, the number of current users is calculated to be approximately 1,755,100, and the number of former users is approximately 4,326,600. The total number of the users who have experienced using file-sharing software is then approximately 6,081,700.

Figures were calculated as follows:

➢ Current users   The number of Internet users (50,602,100) multiplied by [current user respondents (645) divided by the total number of respondents (18,596)] is approximately 1,755,100.

➢ Former users   The number of Internet users (50,602,100) multiplied by [former user respondents (1,590) divided by total number of respondents (18,596)] is approximately 4,326,600.

III. Present Status of File Sharing

1. File-sharing software being used

The software applications that have been used by current users are nearly the same percentage-wise for WinMX (52.9%) and Winny (52.6%), while main application currently being used is Winny, at 33.3% (33.2% in 2005), followed by WinMX at 24.5% (54.8% in 2005) and Limewire at 19.8% (no data for 2005).

Current users

	0	20	40	60	(%)	
WinMX				52.9		(69. 8 – 73. 2 – 82. 4 – 83. 9)
		24.5				
Winny				52.6		(49. 8 – 48. 0 – 22. 8 –)
			33.3			
Limewire		27.8				(– – –)
		19.8				
Share		23.7				(– – –)
		11.8				
Cabos		17.2				(– – –)
		10.5				
BitTorrent	13.5					(– – –)
	7.0					
Kazaa	4.3					(5. 8 – 5. 6 – 3. 8 – 10. 3)
	0.8					
Gnutella	3.4					(6. 4 – 7. 3 – 11. 9 – 14. 4)
	0.2					
Freenet	3.1					(4. 8 – 5. 4 – 6. 4 – 9. 7)
	1.2					
Others	5.1					(2005 – 2004 – 2003 – 2002)
	4.7					

☐ Have used
■ Mainly use
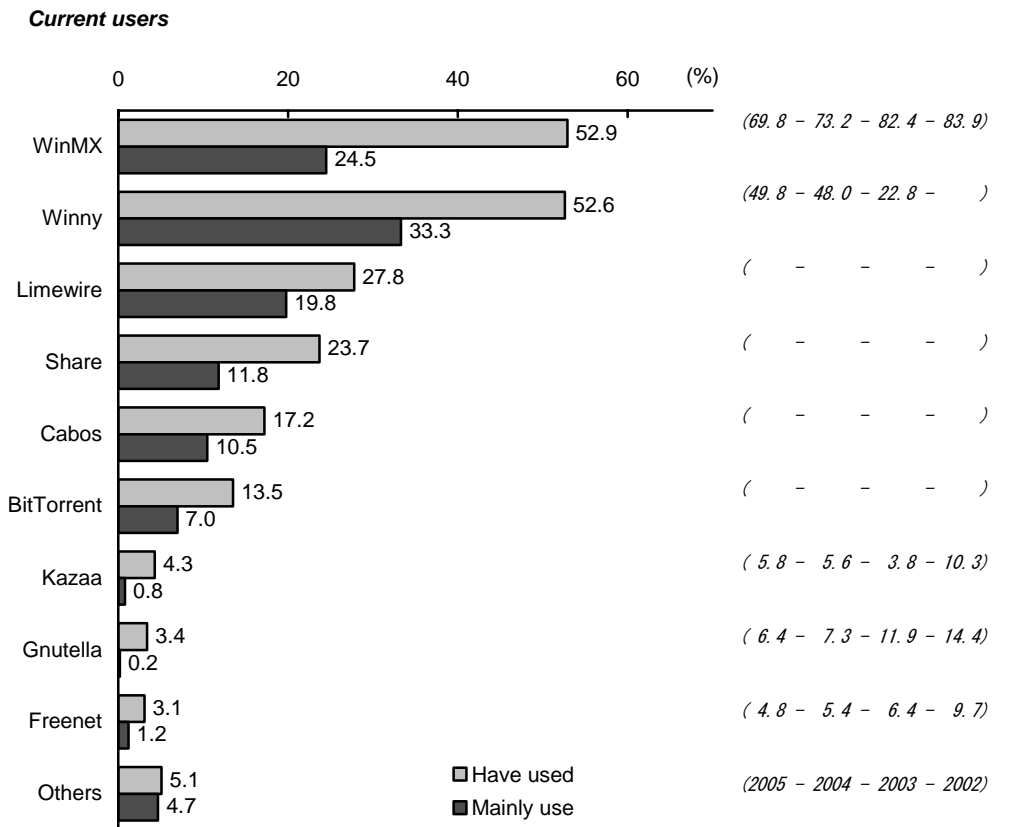
(N=645)

Ratio of
"Have used"
among current users

5

As for file-sharing software that former users have experienced using, the WinMX figure is slightly higher than that for Winny. The usage ratio is almost the same for both software.

Former users

WinMX	55.8
Winny	51.4
Limewire	12.1
Share	10.3
BitTorrent	6.0
Cabos	5.2
Gnutella	2.7
Kazaa	2.5
Freenet	1.4
Others	4.2

☐ Have used

(N=1590)
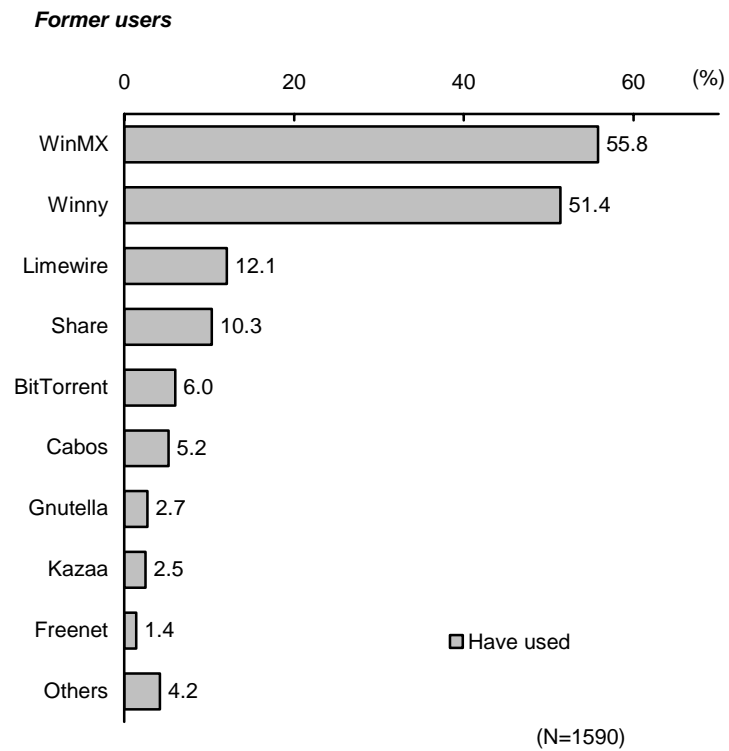
2. Types of content downloaded

The respondents were asked what content genres they have downloaded using file-sharing software. Music-related files rated the highest for both current and former users, and video-related files followed by a wafer-thin margin.

Looking at gender-specific responses among the current users, females rated highest for downloading music-related files at 81.2%, while males rated highest for downloading video-related files, which exceeded music-related files by a slight margin. As for the number of downloads, users having downloaded over 101 files reveals there is abundant experience for all genres.
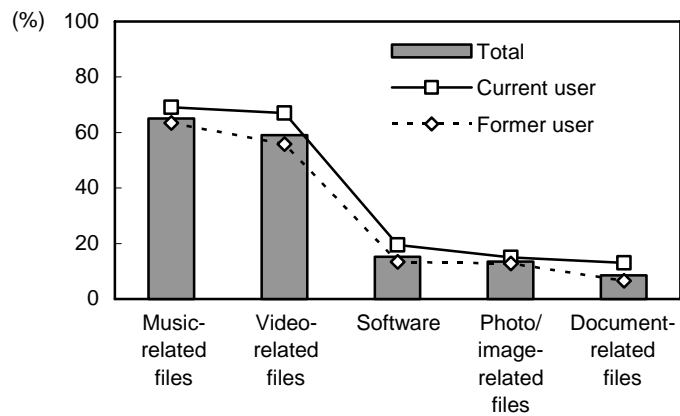
		Music-related files	Video-related files	Software	Photo/image-related files	Document-related files
Total	（N=2235）	65.1	59.1	15.2	13.5	8.5
Current users	（N=645）	69.1	67.0	19.5	15.0	13.0
Former users	（N=1590）	63.4	55.8	13.4	12.8	6.6
Current Users						
Gender-specific						
Male	（N=496）	65.5	70.0	21.8	17.7	12.5
Female	（N=149）	81.2	57.0	12.1	6.0	14.8
Number of downloads						
100 files or less	（N=443）	61.9	56.7	14.2	8.6	8.8
101 files or more	（N=202）	85.1	89.6	31.2	29.2	22.3
Sharing experience						
Yes	（N=210）	79.5	76.2	21.9	20.0	13.8
No	（N=435）	64.1	62.5	18.4	12.6	12.6

3. Number of files downloaded (number of files transmitted)

The current users downloaded an average of 194 files per user in the past year, while former users downloaded an average of 115 files in the past. Compared with the four previous surveys, an increasing is observed in the "51-100 files" response, but the average is lower than that reported in the 2005 survey.

	10 files or less	11-20 files	21-30 files	31-50 files	51-100 files	101-200 files	201 files or more	Ave.
2006								
Current users (N= 645)	25.4	9.0	7.3	11.3	15.7	12.6	18.8	194
Former users (N=1590)	36.1	12.5	7.5	10.9	13.8	8.6	10.7	115
2005								
Current users (N= 705)	28.9	10.5	6.2	9.5	16.0	13.8	15.0	236
Former users (N=1648)	43.4	14.6	7.6	9.3	11.5	6.8	6.7	88
2004								
Current users (N= 519)	32.0	8.9	8.1	11.8	14.6	10.2	14.5	136
Former users (N= 747)	49.0	11.4	7.1	9.2	9.5	6.7	7.1	149
2003								
Current users (N= 636)	29.6	11.8	9.1	12.6	13.1	11.5	12.4	162
Former users (N= 570)	58.8	11.1	8.2	8.1	5.1	4.0	4.7	60
2002								
Current users (N= 638)	30.1	14.3	8.8	12.5	13.3	8.5	12.5	117
Former users (N= 715)	44.5	17.1	10.3	10.5	8.1	4.5	5.0	55

(%)

3.1 Number of downloads by genre

Looking at the number of downloads by genre, music-related files were the largest among current users at 87.1 files on average, followed by video-related files at 79.4 files. The total number of downloads for the top three genres (music-related, video-related and photo/image-related files) is lower than that reported for the 2005 survey. In particular, there was a substantial reduction for the category of photo/image-related files. On the other hand, there was a slight increase in the number of software and document-related files downloaded.
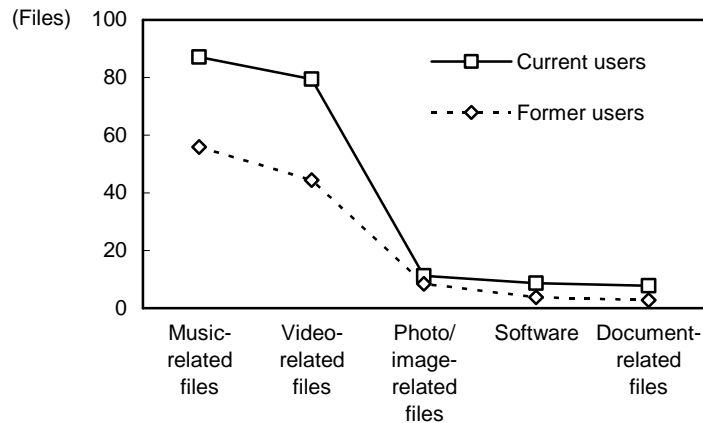
		Music-related files	Video-related files	Photo/image-related files	Software	Document-related files
2006						
Current users	（N=645）	87.1	79.4	11.2	8.7	7.8
Former users	（N=1590）	55.9	44.4	8.5	3.8	2.8
2005						
Current users	（N=705）	95.2	90.5	40.6	5.2	4.8
Former users	（N=1648）	42.2	27.4	11.7	4.6	2.2
2004						
Current users	（N=519）	67.5	45.6	10.5	7.4	5.5
Former users	（N=747）	81.8	50.3	5.8	9.1	2.1
2003						
Current users	（N=636）	83.8	32.5	37.6	6.2	1.8
Former users	（N 570）	34.0	12.2	8.2	3.1	2.4

For current users, the number is files downloaded in the past year.
For former users, the number is total files downloaded.

3.2 Number of music file downloads

Approximately two-thirds of the current users downloaded music-related files in the past year. The average number of files downloaded per year by a current user is 87, which is slightly lower than that reported for the 2005 survey.

(%)

Legend: None | 1-20 files | 21-50 files | 51-100 files | 101 files or more | Ave.

2006

Current users (N= 645): None 33.2 | 1-20 files 27.1 | 21-50 files 17.1 | 51-100 files 12.2 | 101 files or more 10.4 | Ave. 87

Former users (N=1590): None 36.6 | 1-20 files 32.8 | 21-50 files 14.9 | 51-100 files 8.8 | 101 files or more 6.9 | Ave. 56

2005

Current users (N= 705): None 32.6 | 1-20 files 29.9 | 21-50 files 15.5 | 51-100 files 10.2 | 101 files or more 11.8 | Ave. 95

Former users (N=1648): None 40.8 | 1-20 files 36.5 | 21-50 files 10.6 | 51-100 files 8.0 | 101 files or more 4.1 | Ave. 42

2004

Current users (N= 519): None 34.7 | 1-20 files 29.5 | 21-50 files 15.6 | 51-100 files 10.6 | 101 files or more 9.6 | Ave. 68

Former users (N= 747): None 38.0 | 1-20 files 39.5 | 21-50 files 11.0 | 51-100 files 6.0 | 101 files or more 5.5 | Ave. 82

2003

Current users (N= 636): None 21.7 | 1-20 files 39.6 | 21-50 files 15.7 | 51-100 files 10.7 | 101 files or more 12.3 | Ave. 84

Former users (N= 570): None 34.2 | 1-20 files 45.4 | 21-50 files 12.8 | 51-100 files 4.7 | 101 files or more 2.8 | Ave. 34

2002

Current users (N= 638): None 15.7 | 1-20 files 41.8 | 21-50 files 19.9 | 51-100 files 9.9 | 101 files or more 12.7 | Ave. 75

Former users (N= 715): None 15.9 | 1-20 files 57.1 | 21-50 files 16.8 | 51-100 files 6.0 | 101 files or more 4.2 | Ave. 32

Base is respondents who have used file-sharing software.

For the current users between 2004 and 2006, the number is music-related files downloaded in the past year.
For the former users, the number is total music-related files downloaded.

Looking at downloading experience by gender, this accounts for 79.2% of downloads by females and 63.1% by males, and the average number of files downloaded by males is larger. By age, the "10s" category shows a significant number for age-specific responses, and the "20s and under " category for both males and females has the highest downloading experience.

(%)

	None	1-20 files	21-50 files	51-100 files	101 files or more	Ave.

Gender-specific

	None	1-20 files	21-50 files	51-100 files	101 files or more	Ave.
Male (N=496)	36.9	26.8	14.9	11.9	9.5	93
Female (N=149)	20.8	28.2	24.2	13.4	13.4	67

Age-specific

	None	1-20 files	21-50 files	51-100 files	101 files or more	Ave.
10s (N=33)	15.2	27.3	18.2	18.2	21.2	348
20s (N=145)	22.8	23.4	26.2	14.5	13.1	87
30s (N=238)	33.6	31.5	13.4	13.4	8.0	62
40s+ (N=229)	41.9	24.9	14.8	8.7	9.6	76

Male

	None	1-20 files	21-50 files	51-100 files	101 files or more	Ave.
20s and under (N=106)	29.2	20.8	19.8	17.0	13.2	179
30s (N=190)	34.2	32.1	12.6	12.6	8.4	64
40s and over (N=200)	43.5	25.0	14.5	8.5	8.5	76

Female

	None	1-20 files	21-50 files	51-100 files	101 files or more	Ave.
20s and under (N=72)	9.7	29.2	31.9	12.5	16.7	71
30s (N=48)	31.3	29.2	16.7	16.7	6.3	55
40s and over (N=29)	31.0	24.1	17.2	10.3	17.2	76

Base is the current users of file-sharing software.

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3.3 Number of video file downloads

Nearly two-thirds of the current users (65.6%) have downloaded video-related files, and the average number of files downloaded per year is 79. Additionally, among former users, the majority of them have experienced downloading video-related files, but the average number of files downloaded was 44. Chronologically, figures for both current and former users are on an upward trend.

	None	1-10 files	11-20 files	21-50 files	51 files or more	(%) Ave.

2006

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
Current users (N=645)	34.4	16.3	8.8	13.6	26.8	79
Former users (N=1590)	44.2	23.3	8.3	9.5	14.8	44

2005

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
Current users (N=705)	37.9	21.7	8.8	10.9	20.7	91
Former users (N=1648)	47.5	25.2	8.8	8.7	9.8	27

2004

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
Current users (N=519)	46.2	17.1	7.3	10.8	18.5	46
Former users (N=747)	52.3	24.5	7.0	7.1	9.1	50

2003

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
Current users (N=636)	48.0	26.4	7.5	7.9	10.2	33
Former users (N=570)	72.5	18.1	3.0	3.3	3.2	12

Base is the respondents that have used file-sharing software.

For the current users, the number is video-related files downloaded in the past year.
For the former users, the number is total video-related files downloaded.

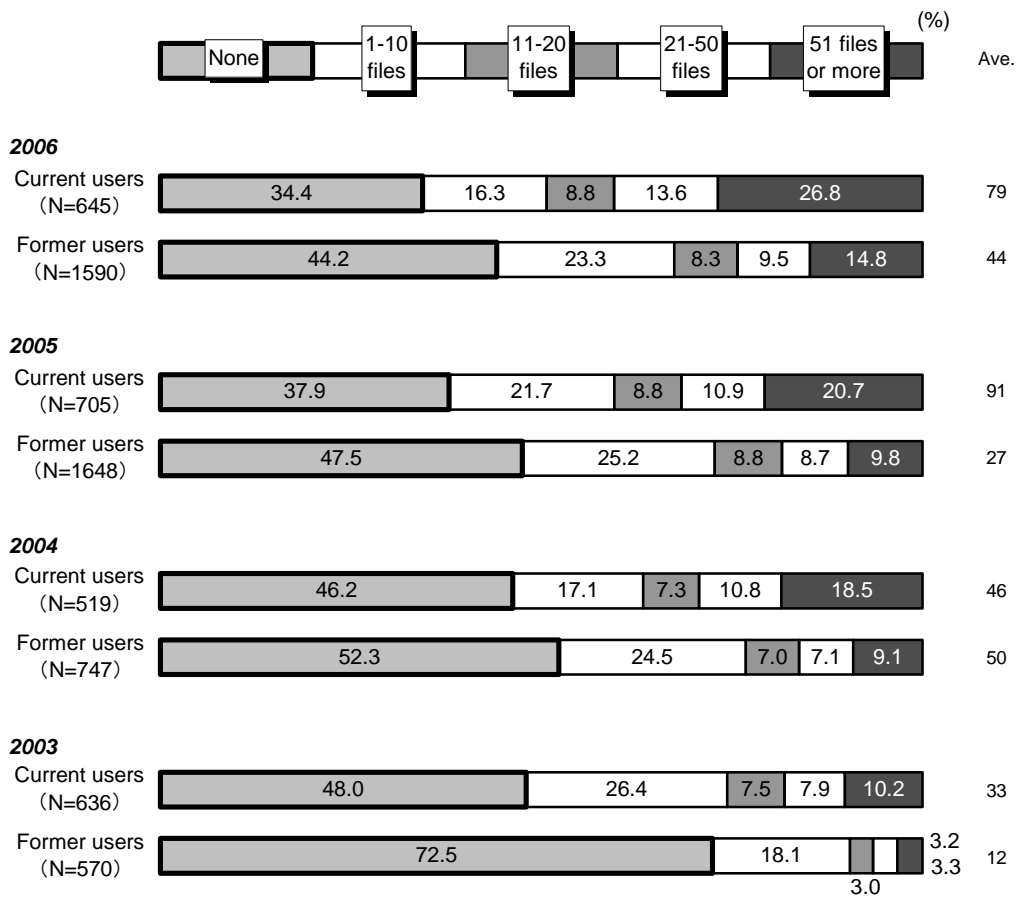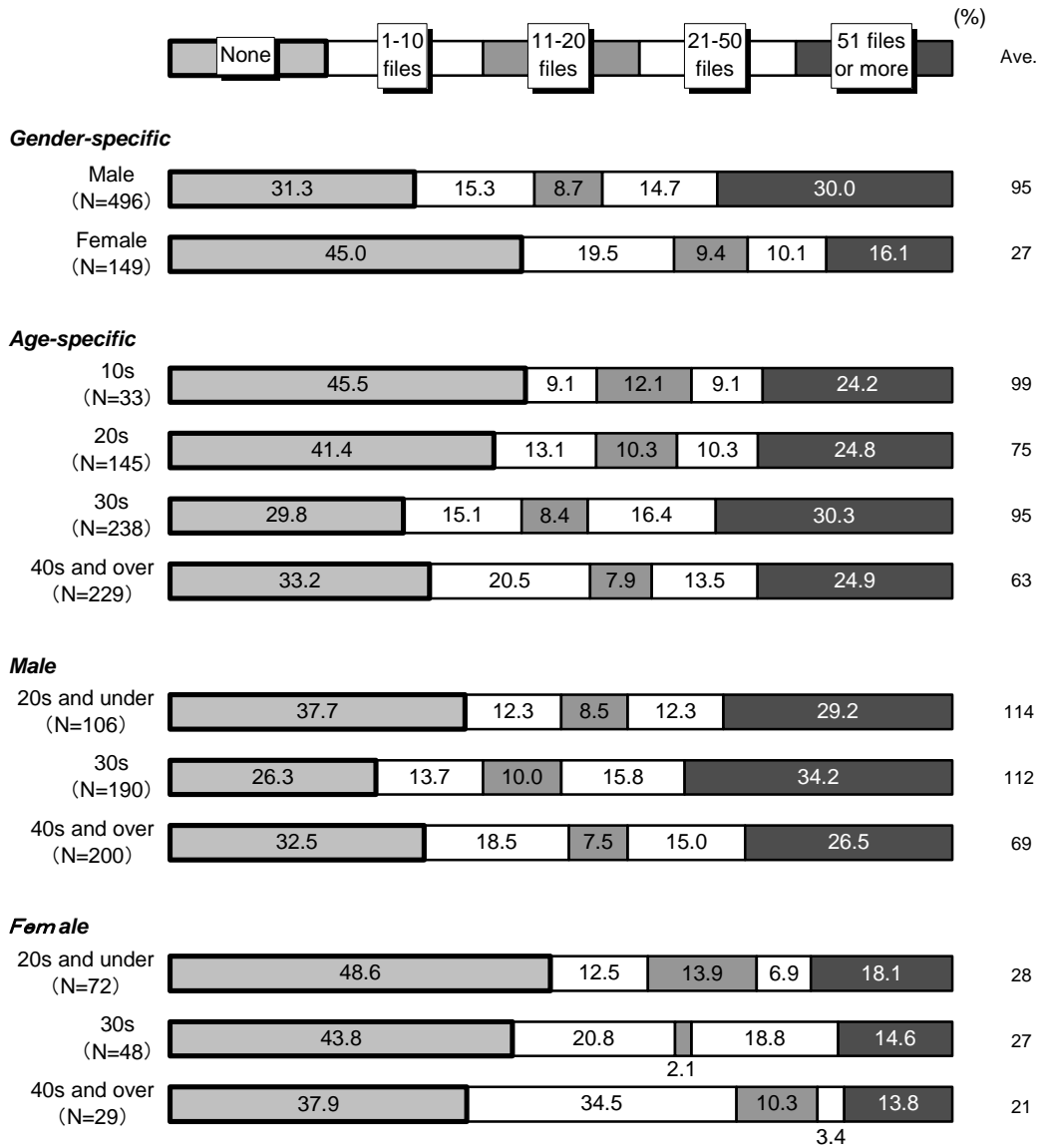As for current users by gender, males have more experience downloading video-related files, 68.7%: over 10 percentage points higher that than that reported for females, 55.0%. Additionally, males hold a commanding share for the number of downloads. By age, males in their 30s have the most downloading experience, while the experience rate for females increases with age.

	None	1-10 files	11-20 files	21-50 files	51 files or more	(%) Ave.

Gender-specific

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
Male (N=496)	31.3	15.3	8.7	14.7	30.0	95
Female (N=149)	45.0	19.5	9.4	10.1	16.1	27

Age-specific

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
10s (N=33)	45.5	9.1	12.1	9.1	24.2	99
20s (N=145)	41.4	13.1	10.3	10.3	24.8	75
30s (N=238)	29.8	15.1	8.4	16.4	30.3	95
40s and over (N=229)	33.2	20.5	7.9	13.5	24.9	63

Male

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
20s and under (N=106)	37.7	12.3	8.5	12.3	29.2	114
30s (N=190)	26.3	13.7	10.0	15.8	34.2	112
40s and over (N=200)	32.5	18.5	7.5	15.0	26.5	69

Female

	None	1-10 files	11-20 files	21-50 files	51 files or more	Ave.
20s and under (N=72)	48.6	12.5	13.9	6.9	18.1	28
30s (N=48)	43.8	20.8	2.1	18.8	14.6	27
40s and over (N=29)	37.9	34.5	10.3	3.4	13.8	21

Base is the current users of file-sharing software.

As for the video-related files downloaded to date, "Adult" was the top genre for both current and former users. For each genre, the downloading rate is slightly higher for current users as compared to former users.
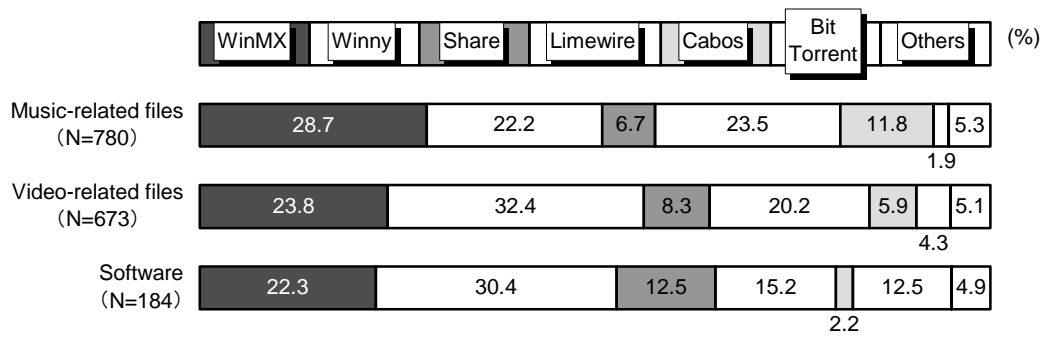
	Total	Current users	Former users	
	(N=1320)	(N=432)	(N=888)	
Adult	43.6	51.9	39.6	(%)
Movies/Western	36.7	39.8	35.2	
Animation(Movie/TV)	28.6	37.3	24.4	
Movie/Japanese	28.0	33.3	25.3	
Music clip	19.3	23.8	17.1	
TV drama/Japanese	17.4	24.1	14.2	
TV drama/Overseas	10.7	13.2	9.5	
Variety show	10.5	14.6	8.6	
Music program	8.5	12.3	6.6	
Sports	6.5	6.7	6.4	
Idol/Model	5.2	8.6	3.6	
Commercial	4.8	7.6	3.5	
Documentary	4.2	7.2	2.8	
News	1.8	2.8	1.4	
Travel/Groumet	1.2	1.9	0.9	

(Multiple answer)

4. File-sharing software applications used for downloading

For music-related files, the most popular file-sharing software being used is WinMX, and the use of Limewire has surpassed Winny, moving Limewire into second place.

On the other hand, Winny is used the most for video-related files and software, followed by WinMX. Limewire follows these two brands in third place for both genres.
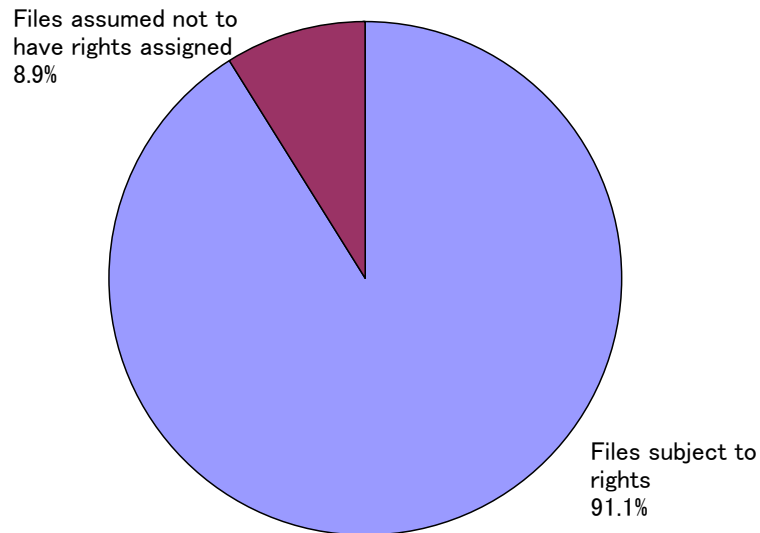
	WinMX	Winny	Share	Limewire	Cabos	Bit Torrent	Others	(%)
Music-related files (N=780)	28.7	22.2	6.7	23.5	11.8	1.9	5.3	
Video-related files (N=673)	23.8	32.4	8.3	20.2	5.9	4.3	5.1	
Software (N=184)	22.3	30.4	12.5	15.2	2.2	12.5	4.9	

Reply base

15

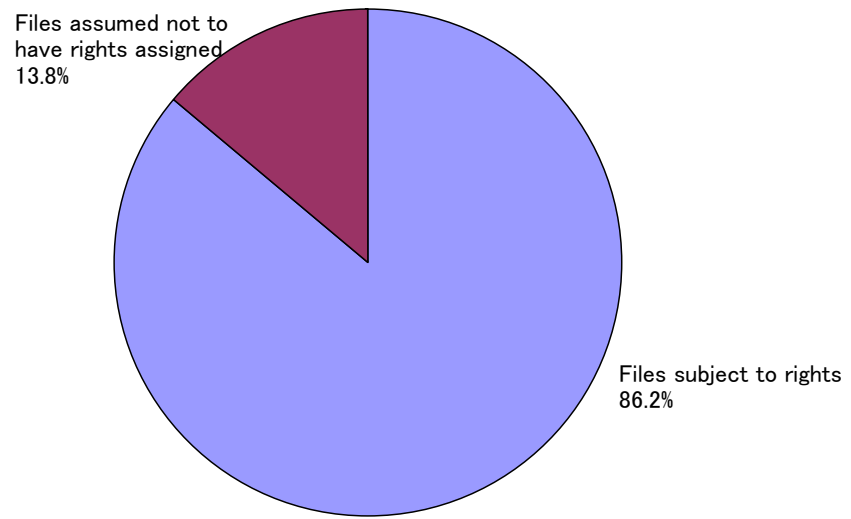5. Presence or absence of rights for files shared

Respondents were asked to list the specific names of three files that they had recently downloaded for the categories of "music files (including artist's name)", "video files" and "software." The files were classified into two groups according to contents presumed from the name: "Files subject to rights," assumed to be protected by rights such as copyrights; "No rights," assumed to have no rights such as "Unknown" and freeware. The results are as follows:

*Properly speaking, "Files subject to rights" means those files likely subject to rights, and it is assumed that authorized permission of the rights holder was not obtained; and "No rights" means those files to which no rights are assigned, or it is unknown if rights exist.
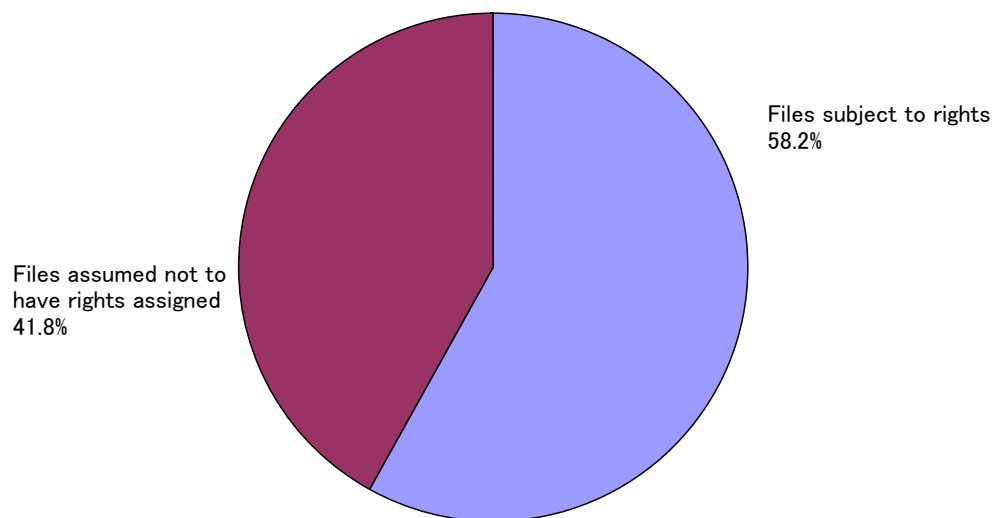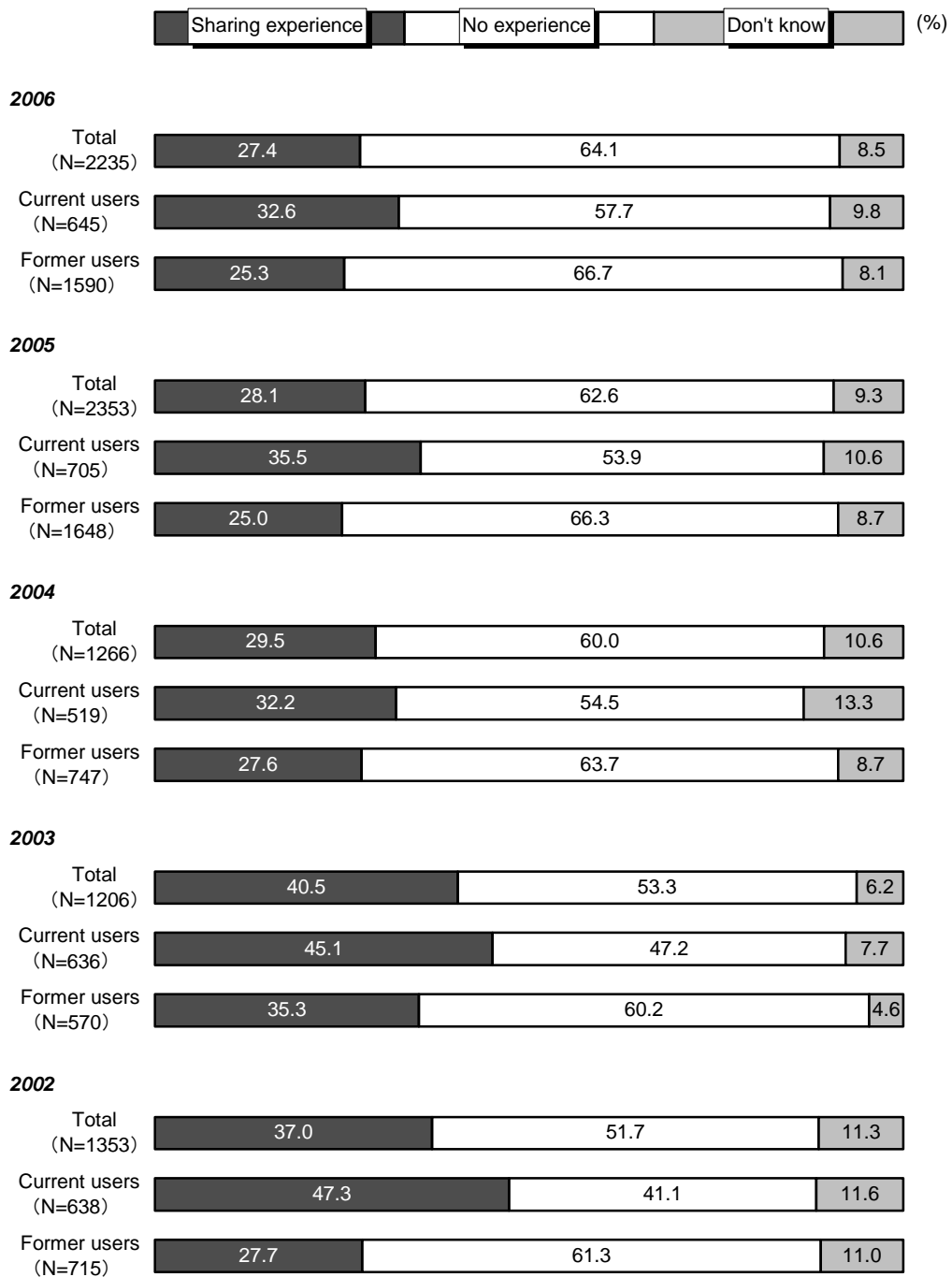
5.1 Names and rights of music files downloaded

Files assumed not to
have rights assigned
8.9%

Files subject to
rights
91.1%

5.2 Names and rights of video files downloaded

Files assumed not to
have rights assigned
13.8%

Files subject to rights
86.2%

5.3 Names and rights of software downloaded

Files subject to rights
58.2%

Files assumed not to
have rights assigned
41.8%

6. Sharing experience ratio and situation regarding shared folders

6.1 File sharing experience

The respondents were asked whether or not they have uploaded content using file-sharing software. Approximately 32.6% of the respondents replied that they have done this, a figure slightly lower than that reported for the 2005 Survey. The ratio of "Don't know" replies was approximately 10%.

| | Sharing experience | No experience | Don't know | (%) |

2006

Total (N=2235)	27.4	64.1	8.5
Current users (N=645)	32.6	57.7	9.8
Former users (N=1590)	25.3	66.7	8.1

2005

Total (N=2353)	28.1	62.6	9.3
Current users (N=705)	35.5	53.9	10.6
Former users (N=1648)	25.0	66.3	8.7

2004

Total (N=1266)	29.5	60.0	10.6
Current users (N=519)	32.2	54.5	13.3
Former users (N=747)	27.6	63.7	8.7

2003

Total (N=1206)	40.5	53.3	6.2
Current users (N=636)	45.1	47.2	7.7
Former users (N=570)	35.3	60.2	4.6

2002

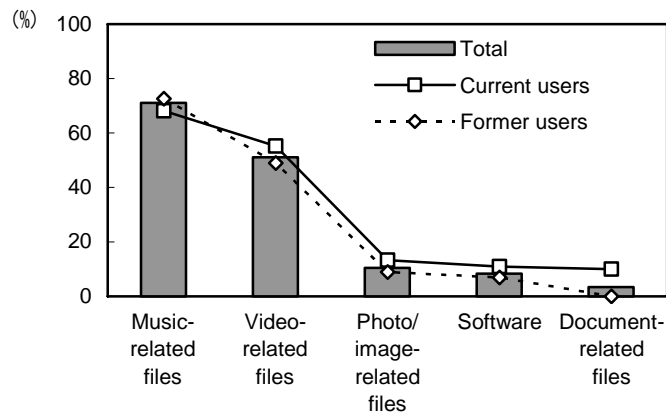| Total (N=1353) | 37.0 | 51.7 | 11.3 |
| Current users (N=638) | 47.3 | 41.1 | 11.6 |
| Former users (N=715) | 27.7 | 61.3 | 11.0 |

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6.2 Genre of files shared

The respondents were asked what genres of files were shared when using the file-sharing software. For both current and former users, a majority of them (70%) replied that they have had experienced sharing music-related files, and this was followed by video-related files (approximately 50%). The ratios for sharing files of other genre were generally low.

As for gender-specific replies, females share many more music-related and document-related files, which is the same result for "Number of music file downloads," while more video-related files and other genres are shared by males.

Looking at the number of files downloaded and files currently being shared, it can be seen that the more files are downloaded, the more files are shared in all genre.
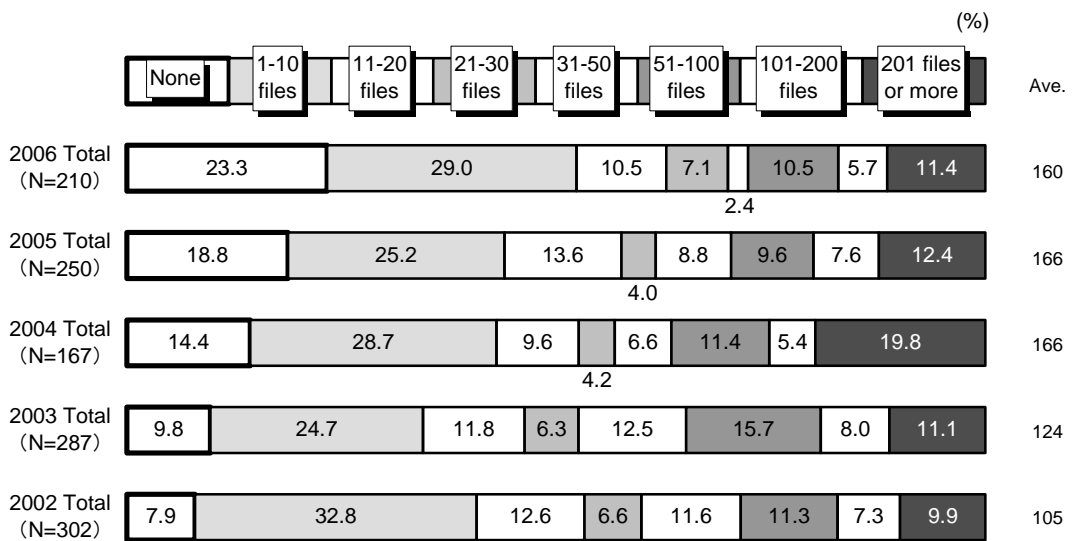

		Music-related files	Video-related files	Photo/image-related files	Software	Document-related files
Total	（N=612）	71. 1	51. 1	10. 5	8. 3	3. 4
Current users	（N=210）	68. 1	55. 2	13. 3	11. 0	10. 0
Former Users	（N=402）	72. 6	49. 0	9. 0	7. 0	0. 0
Current Users						
Gender-specific						
Male	（N=158）	63. 3	60. 8	15. 2	13. 3	8. 9
Female	（N=52）	82. 7	38. 5	7. 7	3. 8	13. 5
Number of downloads						
100 files or less	（N=115）	61. 7	47. 8	9. 6	8. 7	7. 8
101 files or more	（N=95）	75. 8	64. 2	17. 9	13. 7	12. 6
Number of currently sharing						
50 files or less	（N=103）	54. 4	52. 4	7. 8	8. 7	9. 7
51 files or more	（N=58）	82. 8	72. 4	27. 6	17. 2	12. 1

Base is the respondents who have experienced sharing files.
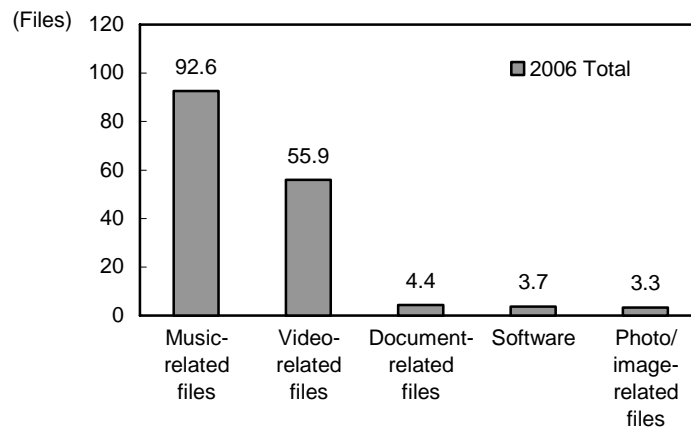
6.3 Files stored in shared folders

In the survey, the respondents were asked about the genre and number of files stored in shared folders. Of the replies, 76.7% of those who have experience in sharing files answered that some of the files were stored is shared folders at the time of the survey, with the average number of files being 160. This average is nearly the same level as that reported for the 2005 survey, but the ratio of those who answered "None" is on an upward trend.

	None	1-10 files	11-20 files	21-30 files	31-50 files	51-100 files	101-200 files	201 files or more	Ave.
2006 Total (N=210)	23.3	29.0	10.5	2.4	7.1	10.5	5.7	11.4	160
2005 Total (N=250)	18.8	25.2	13.6	4.0	8.8	9.6	7.6	12.4	166
2004 Total (N=167)	14.4	28.7	9.6	4.2	6.6	11.4	5.4	19.8	166
2003 Total (N=287)	9.8	24.7	11.8	6.3	12.5	15.7	8.0	11.1	124
2002 Total (N=302)	7.9	32.8	12.6	6.6	11.6	11.3	7.3	9.9	105

Base is respondents who have experienced sharing files.

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6.4 Types of files stored in shared folders

Looking at the files stored in shared folders by genre, "Music-related files" rated the highest at 92.6 files. This number is lower than that reported for the 2005 survey; however, the number of video-related files stored continues to increase.

	Music-related files	Video-related files	Document-related files	Software	Photo/image-related files
2006 Total（N=210）	92.6	55.9	4.4	3.7	3.3
2005 Total（N=250）	105.5	43.8	0.2	1.4	14.8
2004 Total（N=167）	123.8	16.2	0.8	0.5	11.0
2003 Total（N=287）	86.0	26.4	0.0	1.7	10.0

IV. Intentions for Using File-sharing Software

1. Reasons for discontinuing use of file-sharing software

Former users were asked why they decided to stop using file-sharing software. There was a remarkable increase in the number of those who replied that they were concerned about security or viruses (up from 30.5% in 2005 survey to 46.2% in 2006 survey). This exceeds, by far, the reply of "Copyright infringement or other issues" (31.3% in 2005 survey and falling to 26.4% in 2006 survey). Among the replies, "Concern for security or viruses" was the biggest reason in both the gender-specific and age-specific groups.
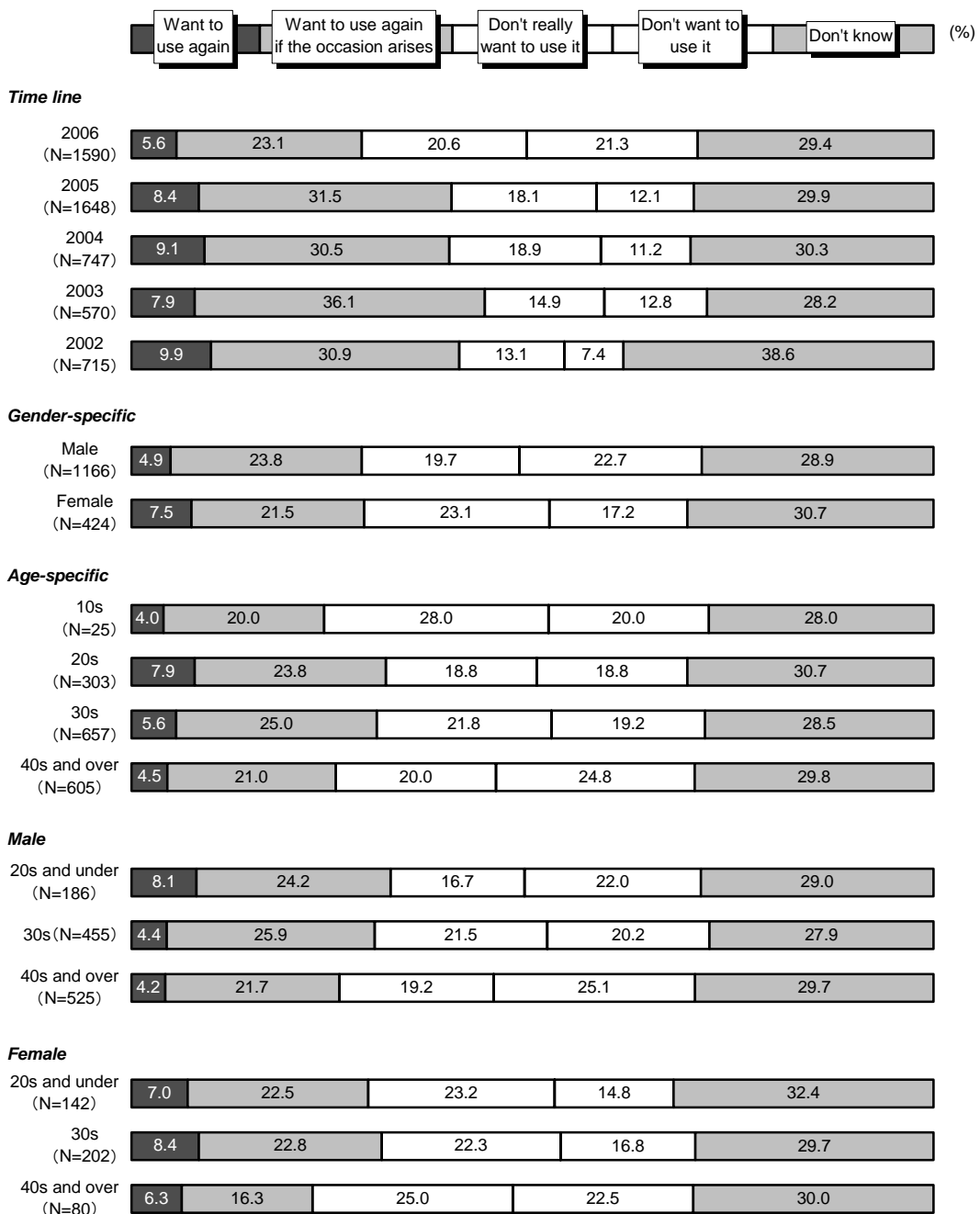
	Total	*Gender-specific*		*Age-specific*				*Male*			*Female*		
		Male	Female	10s	20s	30s	40s and over	20s and under	30s	40s and over	20s and under	30s	40s and over
N	1590	1166	424	25	303	657	605	186	455	525	142	202	80
Concern for security or viruses	46.2	46.9	44.3	44.0	43.2	45.2	48.9	45.2	44.2	49.9	40.8	47.5	42.5
Copyright infringement or other issues	26.4	28.4	21.0	24.0	27.1	22.1	30.9	30.1	24.2	31.4	22.5	17.3	27.5
Too much time to download	22.2	22.0	22.6	28.0	20.1	21.8	23.5	19.4	22.9	22.3	22.5	19.3	31.3
Lost interest	18.4	19.8	14.6	4.0	21.5	19.3	16.5	24.7	20.9	17.1	14.1	15.8	12.5
File-sharing software use is a social problem	15.0	14.8	15.3	20.0	15.5	12.9	16.7	14.5	12.1	17.3	17.6	14.9	12.5
Don't like sharing files so much	11.6	11.9	10.8	8.0	12.2	9.4	13.9	11.8	9.9	13.7	12.0	8.4	15.0
Computer performance is insufficient	9.4	9.3	9.9	16.0	10.2	9.6	8.6	11.3	9.5	8.4	9.9	9.9	10.0
Use of file-sharing software suspended	9.2	7.8	13.0	4.0	8.9	10.2	8.4	8.1	7.7	7.8	9.2	15.8	12.5
News of crackdown on users	8.6	8.7	8.5	12.0	9.2	9.3	7.4	11.3	8.4	8.0	7.0	11.4	3.8
Very few files I want to download	7.7	7.5	8.3	16.0	5.6	7.2	9.1	5.9	6.2	9.3	7.0	9.4	7.5
News of crackdown on developer	7.4	6.7	9.4	16.0	9.6	7.5	6.0	8.6	6.4	6.3	12.0	9.9	3.8
Poor quality of files downloaded	6.0	6.5	4.7	8.0	4.0	4.4	8.8	4.3	4.0	9.5	4.2	5.4	3.8
Unfair to artists	4.9	5.2	4.0	8.0	8.6	4.0	4.0	10.8	4.0	4.4	5.6	4.0	1.3
Too hard to understand how to use	4.0	3.8	4.7	4.0	4.3	4.9	3.0	3.8	5.1	2.7	4.9	4.5	5.0
Computer slows down when other users are downloading shared files	3.6	3.6	3.8	0.0	2.3	4.6	3.5	1.6	4.8	3.2	2.8	4.0	5.0
Threat of becoming the subject of a raid	2.7	2.5	3.3	8.0	4.6	2.6	1.7	5.4	2.4	1.5	4.2	3.0	2.5
Company or school prohibits use	1.7	1.9	1.2	12.0	1.3	1.2	2.0	1.6	1.5	2.3	2.8	0.5	0.0
Don't enjoy video or music played on computer	0.8	0.8	0.9	0.0	1.0	0.9	0.7	1.1	0.7	0.8	0.7	1.5	0.0
Warned of copyright infringement via chat	0.5	0.3	0.9	8.0	0.3	0.6	0.2	1.1	0.4	0.0	0.7	1.0	1.3

Multiple answer

2. Further intention to use file-sharing software

Among former users, slightly less than 30% replied that they intended to use file-sharing software again, even though they are not presently using it: 5.6% of the former users relied that they would like to use file-sharing software again, and 23.1% replied that they will use the software again should the occasion arise. This percentage is significantly lower than that reported for the 2005 survey, and is the low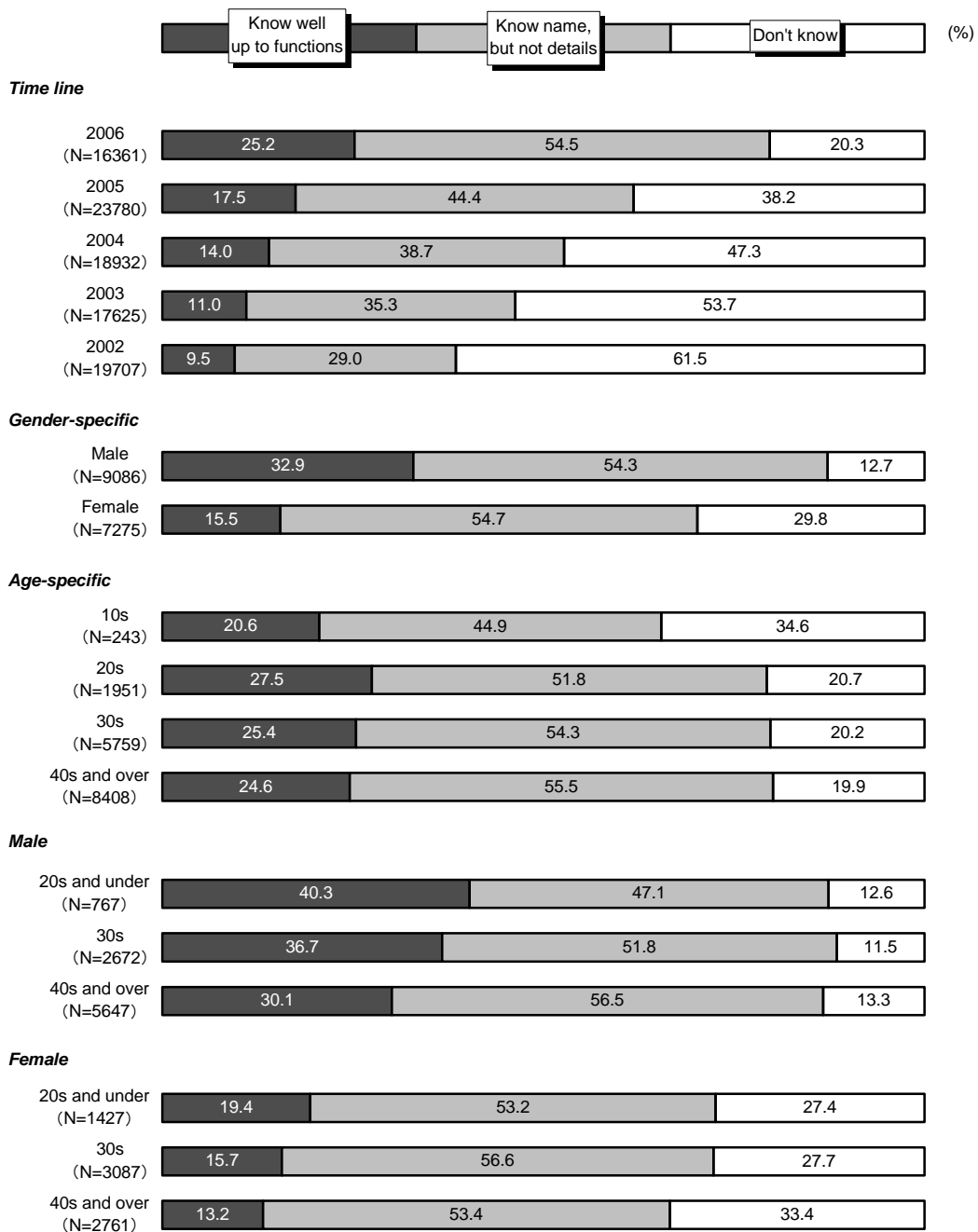est for all surveys conducted to date. Furthermore, the ratio for those who replied negatively to intention to use it, "Don't really want to use it" and "Don't want to use it," showed a large increase to over 40%. There was little difference between males and females, but for the age-specific replies, the rate of positive intention was the lowest for "40s and over" in both male and female groups.

Legend: Want to use again | Want to use again if the occasion arises | Don't really want to use it | Don't want to use it | Don't know (%)

Time line

Category	Want to use again	Want to use again if the occasion arises	Don't really want to use it	Don't want to use it	Don't know
2006 (N=1590)	5.6	23.1	20.6	21.3	29.4
2005 (N=1648)	8.4	31.5	18.1	12.1	29.9
2004 (N=747)	9.1	30.5	18.9	11.2	30.3
2003 (N=570)	7.9	36.1	14.9	12.8	28.2
2002 (N=715)	9.9	30.9	13.1	7.4	38.6

Gender-specific

Category	Want to use again	Want to use again if the occasion arises	Don't really want to use it	Don't want to use it	Don't know
Male (N=1166)	4.9	23.8	19.7	22.7	28.9
Female (N=424)	7.5	21.5	23.1	17.2	30.7

Age-specific

Category	Want to use again	Want to use again if the occasion arises	Don't really want to use it	Don't want to use it	Don't know
10s (N=25)	4.0	20.0	28.0	20.0	28.0
20s (N=303)	7.9	23.8	18.8	18.8	30.7
30s (N=657)	5.6	25.0	21.8	19.2	28.5
40s and over (N=605)	4.5	21.0	20.0	24.8	29.8

Male

Category	Want to use again	Want to use again if the occasion arises	Don't really want to use it	Don't want to use it	Don't know
20s and under (N=186)	8.1	24.2	16.7	22.0	29.0
30s (N=455)	4.4	25.9	21.5	20.2	27.9
40s and over (N=525)	4.2	21.7	19.2	25.1	29.7

Female

Category	Want to use again	Want to use again if the occasion arises	Don't really want to use it	Don't want to use it	Don't know
20s and under (N=142)	7.0	22.5	23.2	14.8	32.4
30s (N=202)	8.4	22.8	22.3	16.8	29.7
40s and over (N=80)	6.3	16.3	25.0	22.5	30.0

3. Recognition of file-sharing software

The respondents who haven't used file-sharing software were asked how much they know about it. Of those that replied, 25.2 % answered "Know well up to functions" and 54.5% answered "Know name, but not details." Combined, approximately 80% of the respondents were aware of the presence of file-sharing software. A chronological review shows that there has been a remarkable increase in the level of recognition over the past year.

Looking at gender-specific replies, recognition is much higher among males, and by age-specific replies it was found that, for both males and females, the younger the age group, the higher the file-sharing software recognition rate. For males in the "20s and under" group, over 40% replied, "Know well up to functions".

Legend: Know well up to functions | Know name, but not details | Don't know (%)

Time line

	Know well up to functions	Know name, but not details	Don't know
2006 (N=16361)	25.2	54.5	20.3
2005 (N=23780)	17.5	44.4	38.2
2004 (N=18932)	14.0	38.7	47.3
2003 (N=17625)	11.0	35.3	53.7
2002 (N=19707)	9.5	29.0	61.5

Gender-specific

	Know well up to functions	Know name, but not details	Don't know
Male (N=9086)	32.9	54.3	12.7
Female (N=7275)	15.5	54.7	29.8

Age-specific

	Know well up to functions	Know name, but not details	Don't know
10s (N=243)	20.6	44.9	34.6
20s (N=1951)	27.5	51.8	20.7
30s (N=5759)	25.4	54.3	20.2
40s and over (N=8408)	24.6	55.5	19.9

Male

	Know well up to functions	Know name, but not details	Don't know
20s and under (N=767)	40.3	47.1	12.6
30s (N=2672)	36.7	51.8	11.5
40s and over (N=5647)	30.1	56.5	13.3

Female

|	Know well up to functions	Know name, but not details	Don't know
20s and under (N=1427)	19.4	53.2	27.4
30s (N=3087)	15.7	56.6	27.7
40s and over (N=2761)	13.2	53.4	33.4

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3.1 File-sharing software popular among users

The respondents who replied that they knew file-sharing software up to the level of functions (i.e., answered, "Know well up to functions") were asked the names of the software applications they knew.

The Winny recognition rate is up from the 2005 survey, with 97.5% of the respondents replying that they know of the software. The recognition of WinMX fell 30 percentage points from the peak recognition point recorded in the 2004 survey. Only 0.8% of the respondents answered that they don't know the name of any file-sharing software.

Looking at gender-specific replies, it can be seen that males are very familiar with a large portion of the software.
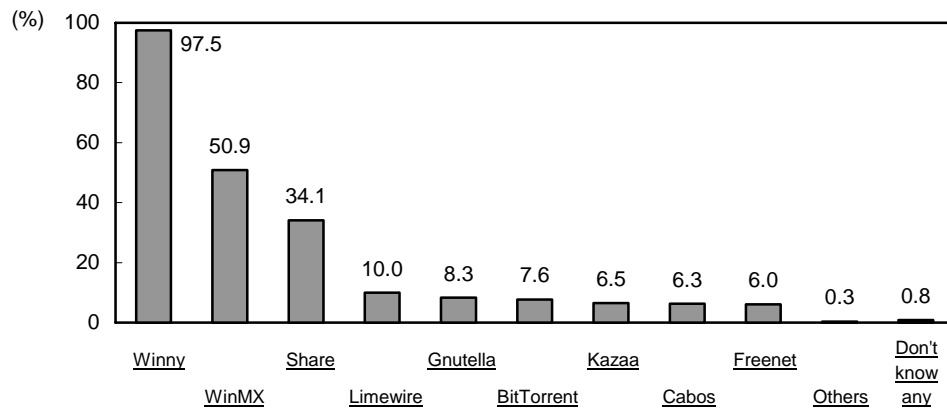
		Winny	WinMX	Share	Limewire	Gnutella	BitTorrent	Kazaa	Cabos	Freenet	Others	Don't know any
Total	(N=4118)	97.5	50.9	34.1	10.0	8.3	7.6	6.5	6.3	6.0	0.3	0.8
Gender-specific												
Male	(N=2991)	98.2	55.4	35.7	10.9	10.3	9.4	7.6	6.5	6.0	0.3	0.8
Female	(N=1127)	95.7	39.1	30.0	7.6	3.0	2.9	3.6	5.8	6.1	0.1	1.1
Age-specific												
10s	(N=50)	90.0	60.0	38.0	14.0	0.0	12.0	8.0	16.0	4.0	0.0	2.0
20s	(N=536)	96.1	58.8	35.1	10.8	5.0	9.9	6.5	7.6	5.0	0.2	1.1
30s	(N=1465)	98.2	59.9	36.6	11.6	10.6	9.0	8.3	7.5	6.8	0.2	0.6
40s and over	(N=2067)	97.6	42.3	32.1	8.6	7.7	6.0	5.1	4.8	5.8	0.3	0.9
Male												
20s and under	(N=309)	96.4	71.8	41.7	13.9	6.8	15.5	8.7	10.4	5.8	0.3	1.6
30s	(N=980)	99.1	68.5	38.8	13.4	13.5	11.7	10.2	8.7	6.8	0.3	0.5
40s and over	(N=1702)	98.0	44.8	32.8	9.0	9.2	6.9	5.8	4.5	5.5	0.4	0.8
Female												
20s and under	(N=277)	94.6	44.4	28.2	7.9	2.2	4.0	4.3	6.1	4.0	0.0	0.7
30s	(N=485)	96.5	42.7	32.2	8.0	4.9	3.5	4.5	5.2	6.6	0.0	0.8
40s and over	(N=365)	95.6	30.4	28.5	6.8	1.1	1.4	1.9	6.3	7.1	0.3	1.6
Reference	*2005 Survey*	*90.3*	*70.5*	*-*	*-*	*16.3*	*-*	*9.0*	*-*	*8.5*	*1.4*	*2.2*
	2004 Survey	*76.2*	*81.2*	*-*	*-*	*20.0*	*-*	*9.7*	*-*	*9.2*	*0.8*	*3.3*
	2003 Survey	*24.3*	*67.6*	*-*	*-*	*25.3*	*-*	*3.7*	*-*	*5.8*	*0.4*	*11.8*
	2002 Survey	*-*	*46.9*	*-*	*-*	*18.4*	*-*	*-*	*-*	*10.5*	*-*	*-*

Base is respondents that replied "Know well up to functions".