



Thematic Household Survey Report - Report No. 80 - Internet and Personal Computer Penetration

(Survey period: May - August 2023)

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Note(s)

1. This report presents the key findings of the Thematic Household Survey on Internet and personal computer penetration in respect of Hong Kong population.
2. The reference period for information and technology activities generally refers to the time of enumeration, whereas that for the usage of Internet, personal computer and mobile payment refers to the 12 months before enumeration.
3. For the survey period of each survey year, please refer to the [Explanatory Notes](#) (Section 6).

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1. Key Figures

Internet and personal computer (PC) penetration in households

		2022		2023	
		No. ('000)	Rate (%) (1)	No. ('000)	Rate (%) (1)
Households	With Internet access at home (2)	2 559.4	96.1	2 631.6	96.6
	With PC at home (3)	2 000.3	75.1	2 025.9	74.4
	With PC at home connected to the Internet (3)	1 999.4	75.0	2 025.4	74.4

Usage of information technology and smartphone penetration in individuals

			2022		2023	
			No. ('000)	Rate (%) (4)	No. ('000)	Rate (%) (4)
Persons aged 10 and over	Had used the Internet		6 138.2	95.6	6 352.1	96.0
	Age group	10-24	861.8	100.0	880.4	99.9
		25-44	1 843.8	99.9	1 868.0	99.9
		45-64	2 230.8	99.5	2 278.5	99.3
		≥65	1 201.8	81.8	1 325.3	84.2
	Had knowledge of using PC (3)		5 693.8	88.7	5 812.5	87.8
	Age group	10-24	861.8	100.0	880.4	99.9
		25-44	1 839.0	99.6	1 857.7	99.4
		45-64	2 106.4	93.9	2 133.2	93.0
		≥65	886.7	60.3	941.3	59.8
	Had used PC (3)		5 147.4	80.2	5 219.5	78.9
	Age group	10-24	856.8	99.4	875.4	99.4
		25-44	1 759.1	95.3	1 781.1	95.3
		45-64	1 842.5	82.2	1 840.4	80.2
		≥65	689.0	46.9	722.5	45.9
	Had a smartphone		6 236.0	97.1	6 377.8	96.4
	Age group	10-24	821.6	95.3	842.6	95.7
		25-44	1 844.3	99.9	1 867.4	99.9
		45-64	2 237.1	99.8	2 281.8	99.5
		≥65	1 333.0	90.7	1 386.0	88.0

Security measures for PC

		2022		2023	
		No. ('000)	Percentage share (%) (5)	No. ('000)	Percentage share (%) (5)
Persons aged 10 and over who had a PC (3)	Had carried out security measures for PCs	3 177.9	94.0	3 071.5	91.0

Usage of mobile payments

			2022		2023	
			No. ('000)	Rate (%) (4)	No. ('000)	Rate (%) (4)
Persons aged 15 and over	Had used mobile payments (6)		3 689.5	60.2	4 100.9	64.9
	Age group	15-24	415.6	73.2	458.3	79.1
		25-44	1 600.7	86.7	1 706.4	91.3
		45-64	1 425.7	63.6	1 596.7	69.6
		≥65	247.6	16.8	339.5	21.6

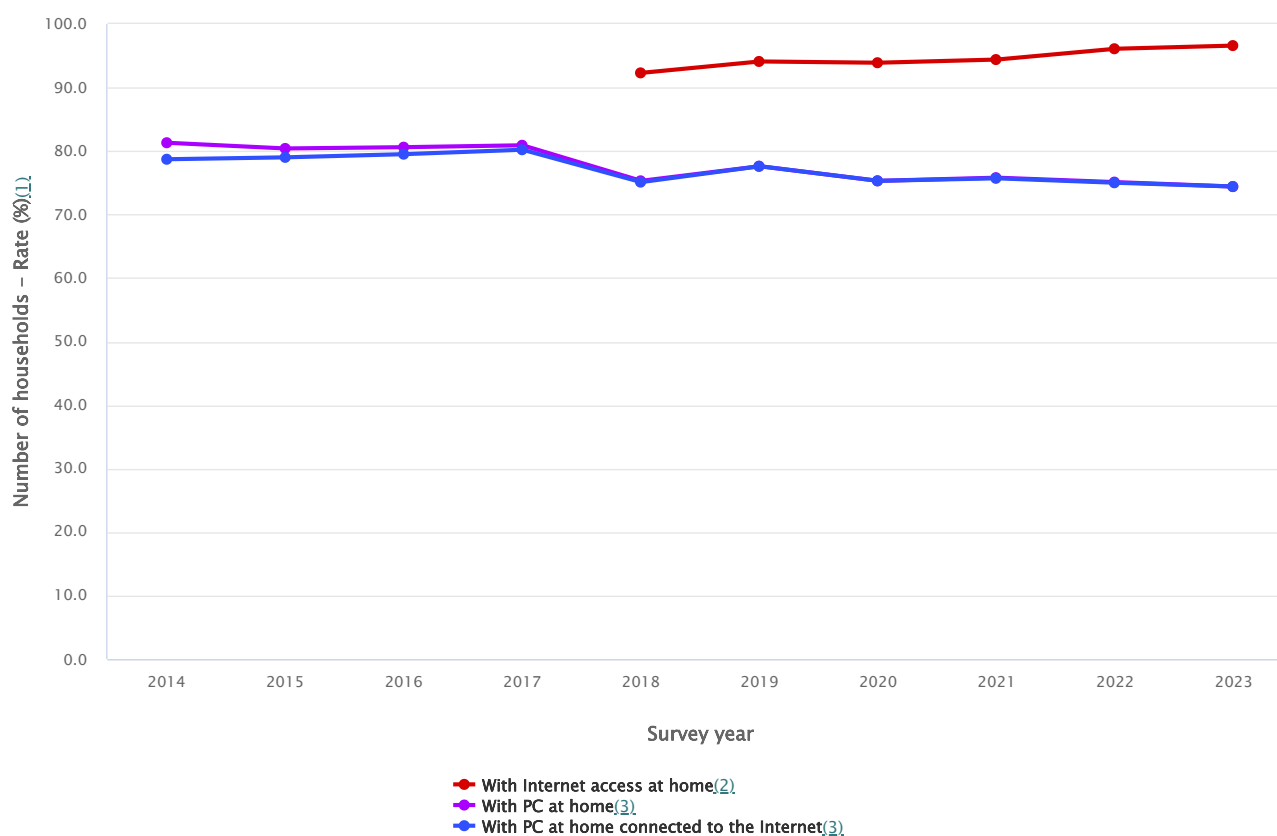
Notes:

1. As a percentage of all households.
2. Referring to Internet access, by any devices, at home.
3. Including desktop computer, laptop and tablet.
4. As a percentage of all persons in the respective age groups.
5. As a percentage of all persons aged 10 and over who had a PC.
6. Referring to payments settled by official currencies using mobile devices such as smartphones or tablets.

2. Internet and Personal Computer Penetration in Households

- The proportion of households with Internet access at home remained at a high level. In 2023, some 2 631 600 households, constituting 96.6% of all households in Hong Kong, had Internet access at home, by any devices, including smartphones, PCs and other devices (e.g. Smart TVs, TV set-top boxes, etc.). The corresponding figures in 2022 were 2 559 400 households and 96.1%.
- Smartphone was the most popular type of device used for Internet connection at home, with almost all (99.9%) of the above-mentioned households did so. It was followed by PC (77.0%) and other devices (52.7%), such as Smart TVs, TV set-top boxes, smart wearable devices, printers, game consoles and digital cameras. The corresponding percentages in 2022 were 99.9%, 78.1% and 52.7%.
- The percentage of households with PC at home connected to the Internet showed a declining trend in the past several years, dropping from 80.2% in 2017 to 74.4% in 2023.

Chart 2.1 : Rate of households with Internet access at home, personal computer (PC) at home and PC at home connected to the Internet



- 1 As a percentage of all households in the respective survey years.
 2 Referring to Internet access, by any devices, at home. Figures are available from 2018 onwards.
 3 Including desktop computer, laptop and tablet.

Table 2.2 : Households with Internet access at home by device connected to the Internet

Survey year		2022			2023		
		Number of households			Number of households		
		No. (⁰⁰⁰)	Percentage share (%) (1)	Rate (%) (2)	No. (⁰⁰⁰)	Percentage share (%) (1)	Rate (%) (2)
Type of information technology usage / activity	Device connected to the Internet (3)						
With Internet access at home	Smartphone	2 557.9	99.9	-	2 629.9	99.9	-
	Personal computer (4)	1 999.4	78.1	-	2 025.4	77.0	-
	Others (5)	1 350.1	52.7	-	1 387.6	52.7	-
	Overall	2 559.4	100.0	96.1	2 631.6	100.0	96.6

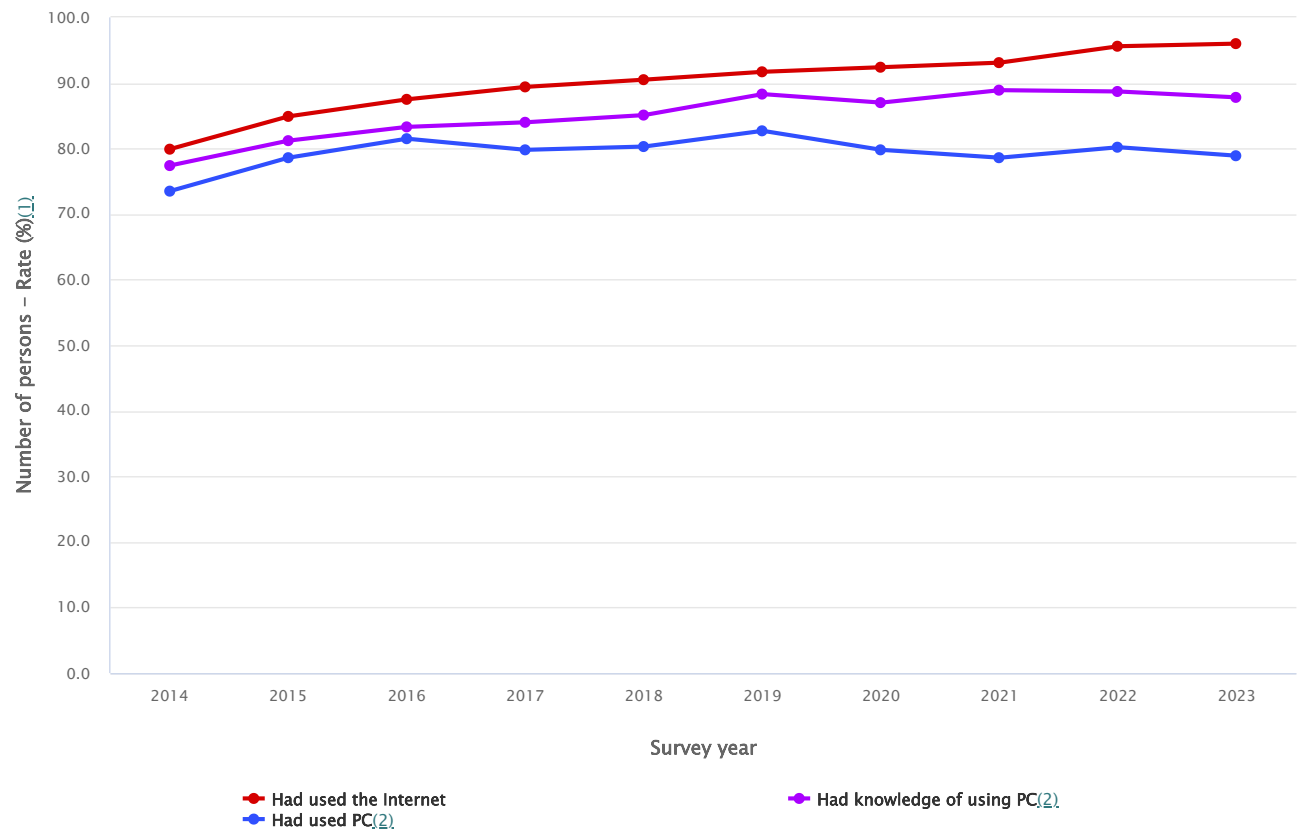
- 1 As a percentage of all households with Internet access, by any devices, at home.
 2 As a percentage of all households.
 3 Multiple answers were allowed.
 4 Including desktop computer, laptop and tablet.
 5 Including Smart TVs, TV set-top boxes, smart wearable devices, printers, game consoles and digital cameras, etc.
 - Not applicable

3. Usage of Information Technology by Individuals

Usage of the Internet and PC

- Usage of the Internet remained popular among Hong Kong population. The rate of persons aged 10 and over having used the Internet showed an upward trend in the past decade, climbing gradually from 79.9% in 2014 to 96.0% in 2023.
- More elderly had used the Internet in 2023. The rate of persons aged 65 and over having used the Internet increased noticeably from 81.8% in 2022 to 84.2% in 2023.
- Smartphone was a dominant type of web device for individuals to access to the Internet, with 99.7% of persons aged 10 and over having used the Internet did so in 2023. This was followed by tablet (55.4%), desktop computer (51.5%) and laptop (45.7%).
- The percentage of persons aged 10 and over who had knowledge of using PC showed an increasing trend between 2014 and 2019, and levelled off at around 88% afterwards.
- Analysed by age group, over 99% of persons aged 10-44 had knowledge of using PC in 2023. The corresponding percentage then declined progressively with age groups, from 96.6% for persons aged 45-54 to 59.8% for persons aged 65 and over. Similar phenomenon was observed for 2022.
- The proportion of persons aged 10 and over having used PC had hovered at 80% since 2015.
- Analysed by age group, the incidence of having used PC was comparatively more popular amongst lower age groups in 2023. Specifically, the percentage of persons aged 10-44 who had used PC exceeded 90%, while the corresponding percentage dropped considerably from 85.5% for persons aged 45-54 to 45.9% for persons aged 65 and over. The same pattern was observed for 2022.
- It was marginally more common among males than females in having used the Internet, having knowledge of using PC and having used PC in 2023.

Chart 3.1 : Rate of persons aged 10 and over who had used the Internet, knowledge of using personal computer (PC) and used PC



1 As a percentage of all persons aged 10 and over in the respective survey years.
2 Including desktop computer, laptop and tablet.

Table 3.2 : Persons aged 10 and over who had used the Internet, knowledge of using personal computer (PC) and used PC by sex and age group

Survey year			2022				2023		
			Number of persons			Number of persons			
			No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	
Type of information technology usage / activity	Sex	Age group							
Had used the Internet	Male	≥10	10-14	154.0	5.2	100.0	156.7	5.2	100.0
			15-24	288.6	9.8	100.0	294.8	9.7	99.9
			25-34	425.4	14.4	99.8	428.4	14.1	99.9
			35-44	454.9	15.4	99.8	466.6	15.4	99.9
			45-54	467.5	15.9	99.6	474.8	15.6	99.7
			55-64	558.3	18.9	99.2	558.4	18.4	99.0
			≥65	600.1	20.4	86.3	656.7	21.6	88.2
			≥10	2 948.8	100.0	96.6	3 036.4	100.0	96.9
	Female	≥10	10-14	140.4	4.4	100.0	144.8	4.4	100.0
			15-24	278.8	8.7	99.9	284.1	8.6	99.9
			25-34	436.6	13.7	99.9	435.8	13.1	99.9
			35-44	527.0	16.5	99.9	537.2	16.2	99.9
			45-54	574.1	18.0	99.8	603.7	18.2	99.9
			55-64	630.8	19.8	99.3	641.5	19.3	98.8
			≥65	601.6	18.9	77.7	668.5	20.2	80.5
			≥10	3 189.4	100.0	94.7	3 315.7	100.0	95.1
	Both sexes	≥10	10-14	294.4	4.8	100.0	301.5	4.7	100.0
			15-24	567.4	9.2	100.0	578.9	9.1	99.9
			25-34	862.0	14.0	99.9	864.1	13.6	99.9
			35-44	981.9	16.0	99.9	1 003.9	15.8	99.9
			45-54	1 041.7	17.0	99.7	1 078.6	17.0	99.8
			55-64	1 189.1	19.4	99.3	1 199.9	18.9	98.9
			≥65	1 201.8	19.6	81.8	1 325.3	20.9	84.2
			≥10	6 138.2	100.0	95.6	6 352.1	100.0	96.0

Survey year			2022				2023		
			Number of persons			Number of persons			
			No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	
Type of information technology usage / activity	Sex	Age group							
Had knowledge of using PC (2)	Male	≥10	10-14	154.0	5.6	100.0	156.7	5.6	100.0
			15-24	288.6	10.5	100.0	294.8	10.5	99.9
			25-34	424.9	15.4	99.7	427.7	15.2	99.7
			35-44	453.6	16.5	99.5	462.4	16.5	99.0
			45-54	458.6	16.7	97.7	464.2	16.5	97.5
			55-64	520.7	18.9	92.6	513.7	18.3	91.1
			≥65	453.7	16.5	65.3	487.6	17.4	65.5
			≥10	2 754.1	100.0	90.3	2 807.1	100.0	89.6
	Female	≥10	10-14	140.4	4.8	100.0	144.8	4.8	100.0
			15-24	278.8	9.5	99.9	284.1	9.5	99.9
			25-34	436.1	14.8	99.8	434.3	14.5	99.6
			35-44	524.3	17.8	99.4	533.3	17.7	99.2
			45-54	553.8	18.8	96.3	580.0	19.3	96.0
			55-64	573.3	19.5	90.3	575.2	19.1	88.6
			≥65	433.0	14.7	55.9	453.7	15.1	54.7
			≥10	2 939.7	100.0	87.3	3 005.4	100.0	86.2
	Both sexes	≥10	10-14	294.4	5.2	100.0	301.5	5.2	100.0
			15-24	567.4	10.0	100.0	578.9	10.0	99.9
			25-34	861.1	15.1	99.8	862.0	14.8	99.7
			35-44	977.9	17.2	99.4	995.7	17.1	99.1
			45-54	1 012.5	17.8	96.9	1 044.2	18.0	96.6
			55-64	1 093.9	19.2	91.3	1 089.0	18.7	89.8
			≥65	886.7	15.6	60.3	941.3	16.2	59.8
			≥10	5 693.8	100.0	88.7	5 812.5	100.0	87.8
Had used PC (2)	Male	≥10	10-14	154.0	6.2	100.0	156.7	6.2	100.0
			15-24	285.8	11.5	99.0	290.9	11.5	98.6
			25-34	411.2	16.5	96.5	415.0	16.5	96.8
			35-44	426.3	17.1	93.5	436.3	17.3	93.4
			45-54	417.5	16.7	89.0	412.2	16.4	86.5

Survey year			2022				2023				
			Number of persons			Number of persons					
			No. ('000)	Percentage share in respective sex (%)	Rate (%) (1)	No. ('000)	Percentage share in respective sex (%)	Rate (%) (1)			
Type of information technology usage / activity	Sex	Age group									
			55-64	446.3	17.9	79.3	433.7	17.2	76.9		
			≥65	353.4	14.2	50.8	374.4	14.9	50.3		
			≥10	2 494.6	100.0	81.8	2 519.2	100.0	80.4		
	Female	≥10	10-14	140.4	5.3	100.0	144.8	5.4	100.0		
			15-24	276.5	10.4	99.1	283.0	10.5	99.5		
			25-34	424.6	16.0	97.2	424.1	15.7	97.3		
			35-44	497.0	18.7	94.2	505.7	18.7	94.0		
			45-54	495.5	18.7	86.1	511.7	19.0	84.7		
			55-64	483.1	18.2	76.1	482.8	17.9	74.4		
			≥65	335.6	12.7	43.3	348.2	12.9	41.9		
			≥10	2 652.8	100.0	78.8	2 700.2	100.0	77.5		
			Both sexes	≥10	10-14	294.4	5.7	100.0	301.5	5.8	100.0
					15-24	562.4	10.9	99.1	573.9	11.0	99.1
	25-34	835.8			16.2	96.9	839.1	16.1	97.0		
	35-44	923.3			17.9	93.9	942.0	18.0	93.7		
	45-54	913.1			17.7	87.4	923.9	17.7	85.5		
	55-64	929.4			18.1	77.6	916.5	17.6	75.6		
	≥65	689.0			13.4	46.9	722.5	13.8	45.9		
	≥10	5 147.4	100.0	80.2	5 219.5	100.0	78.9				

1 As a percentage of all persons in the respective sex and age sub-groups.

2 Including desktop computer, laptop and tablet.

Table 3.3 : Persons aged 10 and over who had used the Internet by type of web devices used for Internet access

Survey year			2022		2023	
Age group			≥10		≥10	
			Number of persons		Number of persons	
			No. ('000)	Percentage share (%)	No. ('000)	Percentage share (%)
Type of information technology usage / activity	Type of web devices (1)					
Had used the Internet	Smartphone		6 114.6	99.6	6 331.1	99.7
	Personal computer	Tablet	3 025.9	49.3	3 521.2	55.4
		Desktop computer	3 346.2	54.5	3 269.6	51.5
		Laptop	2 930.8	47.7	2 901.1	45.7
		Sub-total	5 145.7	83.8	5 217.3	82.1
	Others (2)		3 204.4	52.2	3 384.1	53.3

1 Multiple answers were allowed.

2 Including Smart TVs, TV set-top boxes, smart wearable devices, printers, game consoles and digital cameras, etc.

Security measures for PC

- In 2023, some 3 071 500 persons aged 10 and over had carried out security measures for their PCs, constituting 91.0% of all persons aged 10 and over who had a PC.
- The most popular security measure for their PCs in 2023 was “installed/pre-installed security software and updated the software regularly” (94.0%). This was closely followed by “installed/pre-installed personal firewall” (91.5%), “regularly installed security patch” (89.5%) and “regularly backed up files” (89.2%).

Table 3.4 : Persons aged 10 and over who had a personal computer (PC) by whether had carried out security measures for their PCs and type of security measures

Survey year			2022			2023		
Age group			≥10			≥10		
			Number of persons			Number of persons		
			No. ('000)	Percentage share (%)	Rate (%) (1)	No. ('000)	Percentage share (%)	Rate (%) (1)
Type of information technology usage / activity	Whether had carried out security measures	Type of security measures (2)						
Had a PC (3)	Yes	Installed/pre-installed security software and updated the software regularly	3 034.5	-	95.5	2 888.6	-	94.0
		Installed/pre-installed personal firewall	2 973.3	-	93.6	2 811.0	-	91.5
		Regularly installed security patch	2 960.5	-	93.2	2 749.5	-	89.5
		Regularly backed up files	2 953.6	-	92.9	2 740.5	-	89.2
		Regularly scanned PCs with security software	2 794.8	-	87.9	2 660.3	-	86.6
		Overall	3 177.9	94.0	-	3 071.5	91.0	-
	No / Did not know		203.8	6.0	-	303.0	9.0	-
	Total		3 381.7	100.0	-	3 374.5	100.0	-

1 As a percentage of all persons aged 10 and over who had carried out security measures for their PCs.

2 Multiple answers were allowed.

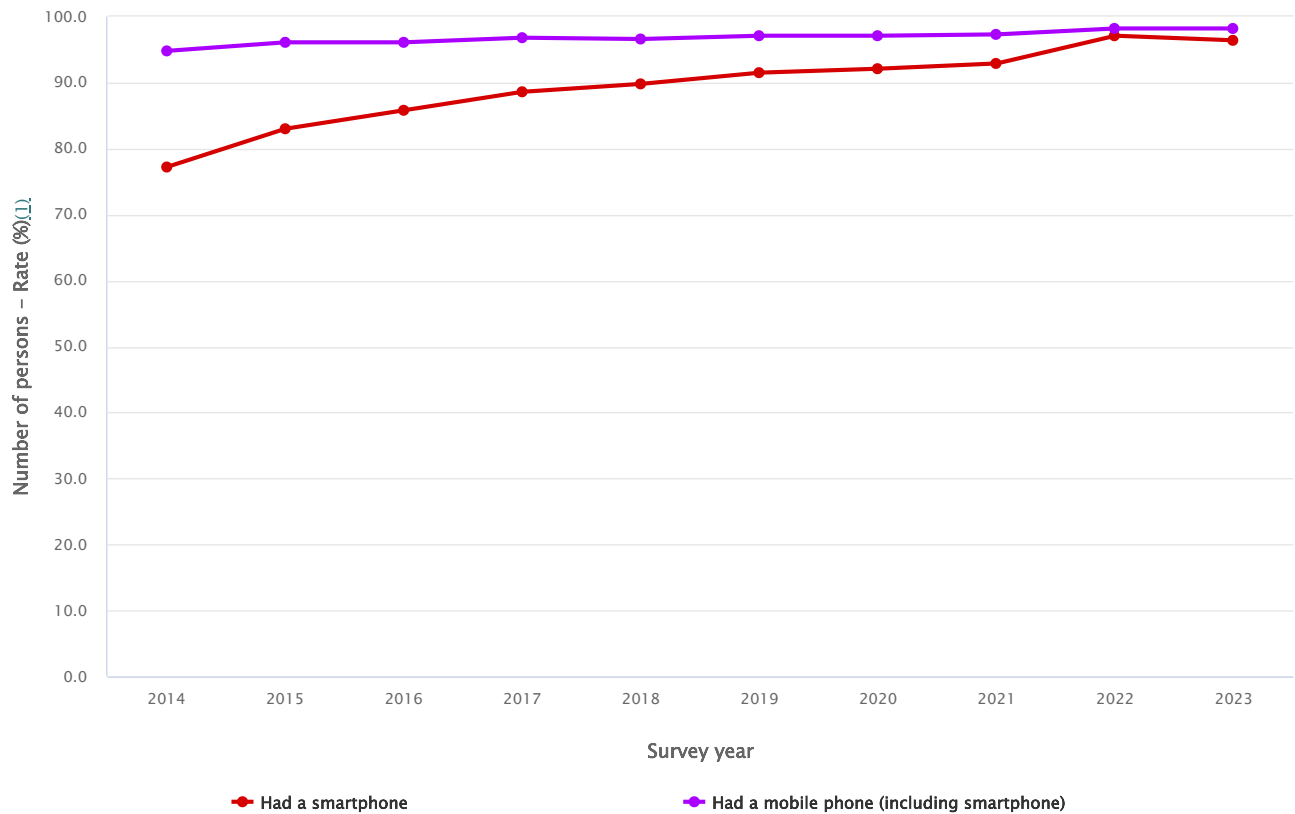
3 Including desktop computer, laptop and tablet.

- Not applicable

Smartphone penetration

- Smartphone penetration among persons aged 10 and over showed an upward trend over the past decade, increasing progressively from 77.2% in 2014 to 97.1% in 2022, and levelled off at 96.4% in 2023.
- In 2023, almost all persons aged 15-64 had a smartphone, constituting at least 99% of population in the respective age groups. On the other hand, a relatively smaller proportion of persons aged 10-14 (87.6%) and persons aged 65 and over (88.0%) had a smartphone. Similar phenomenon was observed in 2022.

Chart 3.5 : Rate of persons aged 10 and over who had a smartphone and a mobile phone (including smartphone)



1 As a percentage of all persons aged 10 and over in the respective survey years.

Table 3.6 : Persons aged 10 and over who had a smartphone by sex and age group

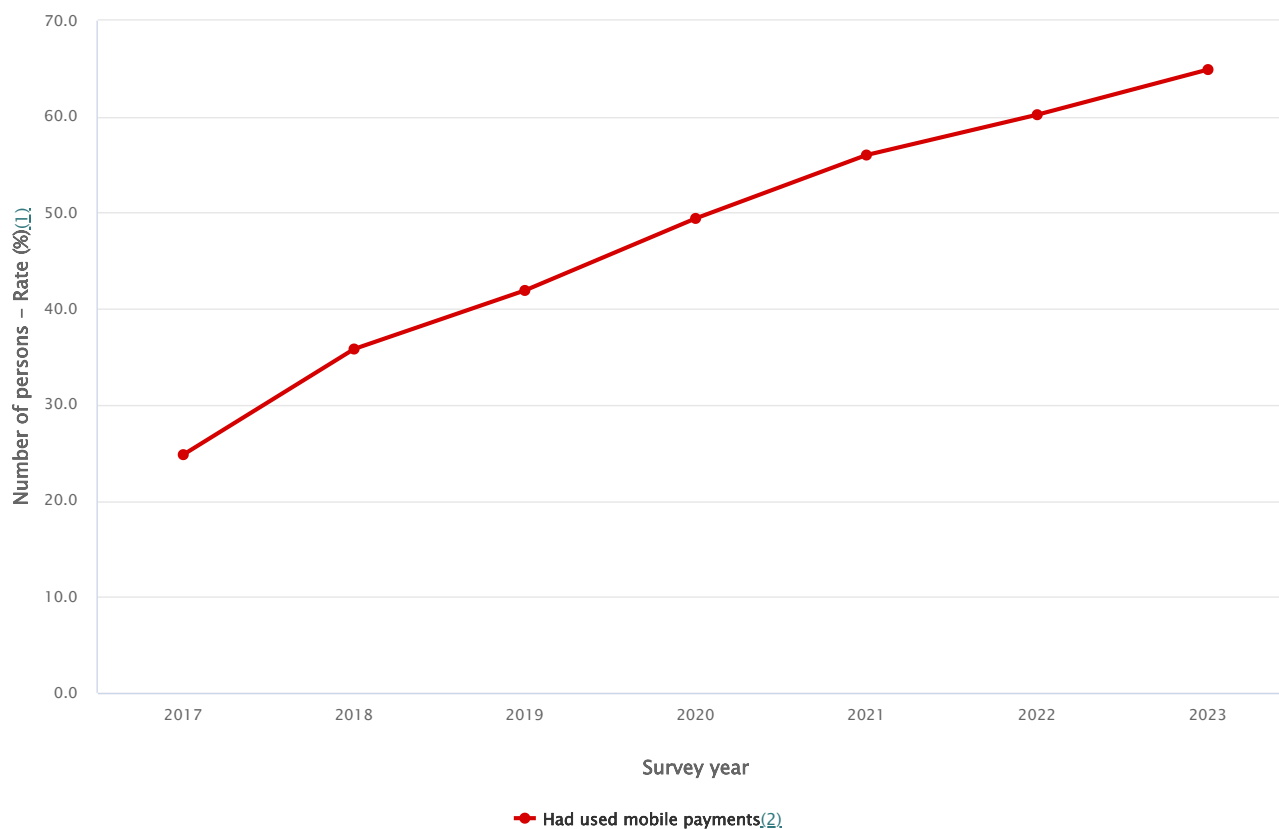
Survey year			2022				2023		
			Number of persons			Number of persons			
			No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	No. (‘000)	Percentage share in respective sex (%)	Rate (%) (1)	
Type of information technology usage / activity	Sex	Age group							
Had a smartphone	Male	≥10	10-14	132.0	4.4	85.7	133.4	4.4	85.1
			15-24	288.2	9.7	99.9	294.6	9.7	99.8
			25-34	425.9	14.3	99.9	428.1	14.1	99.8
			35-44	455.1	15.3	99.9	466.6	15.4	99.9
			45-54	468.3	15.7	99.8	475.1	15.6	99.7
			55-64	559.9	18.8	99.5	559.6	18.4	99.2
			≥65	644.6	21.7	92.7	680.3	22.4	91.4
			≥10	2 973.9	100.0	97.5	3 037.6	100.0	97.0
	Female	≥10	10-14	123.2	3.8	87.7	130.8	3.9	90.3
			15-24	278.3	8.5	99.7	283.8	8.5	99.8
			25-34	436.3	13.4	99.9	435.5	13.0	99.9
			35-44	527.0	16.2	99.9	537.2	16.1	99.9
			45-54	574.9	17.6	99.9	603.5	18.1	99.9
			55-64	634.0	19.4	99.8	643.6	19.3	99.1
			≥65	688.5	21.1	88.9	705.7	21.1	85.0
			≥10	3 262.1	100.0	96.8	3 340.2	100.0	95.8
	Both sexes	≥10	10-14	255.1	4.1	86.7	264.2	4.1	87.6
			15-24	566.5	9.1	99.8	578.4	9.1	99.8
			25-34	862.2	13.8	99.9	863.5	13.5	99.9
			35-44	982.1	15.7	99.9	1 003.9	15.7	99.9
			45-54	1 043.1	16.7	99.9	1 078.5	16.9	99.8
			55-64	1 194.0	19.1	99.7	1 203.3	18.9	99.2
			≥65	1 333.0	21.4	90.7	1 386.0	21.7	88.0
			≥10	6 236.0	100.0	97.1	6 377.8	100.0	96.4

1 As a percentage of all persons in the respective sex and age sub-groups.

Usage of mobile payments

- Popularity of mobile payments increased significantly over the past 5 years. In 2023, 64.9% of persons aged 15 and over had used mobile payments, almost doubled that in 2018 (35.8%).
- Analysed by age group, persons aged 65 and over recorded the highest increase in using mobile payments between 2022 and 2023, surging from 247 600 persons in 2022 to 339 500 persons in 2023 (or grew by 37.1% over the period).

Chart 3.7 : Rate of persons aged 15 and over who had used mobile payments



1 As a percentage of all persons aged 15 and over in the respective survey years.

2 Referring to payments settled by official currencies using mobile devices such as smartphones or tablets.

Table 3.8 : Persons aged 15 and over who had used mobile payments by age group

Survey year			2022			2023		
			Number of persons			Number of persons		
			No. ('000)	Percentage share (%)	Rate (%) ⁽¹⁾	No. ('000)	Percentage share (%)	Rate (%) ⁽¹⁾
Type of information technology usage / activity		Age group						
Had used mobile payments ⁽²⁾	≥15	15-24	415.6	11.3	73.2	458.3	11.2	79.1
		25-34	770.9	20.9	89.3	805.0	19.6	93.1
		35-44	829.8	22.5	84.4	901.3	22.0	89.7
		45-54	773.6	21.0	74.1	865.6	21.1	80.1
		55-64	652.1	17.7	54.5	731.2	17.8	60.3
		≥65	247.6	6.7	16.8	339.5	8.3	21.6
		≥15	3 689.5	100.0	60.2	4 100.9	100.0	64.9

1 As a percentage of all persons in the respective age groups.

2 Referring to payments settled by official currencies using mobile devices such as smartphones or tablets.

4. Detailed Statistics

Internet and personal computer penetration in households

Table 4.1 : Households with Internet access at home, personal computer (PC) at home and PC at home connected to the Internet by type of housing

Survey year		2022			2023		
		Number of households			Number of households		
		No. ('000)	Percentage share (%)	Rate (%) (1)	No. ('000)	Percentage share (%)	Rate (%) (1)
Type of information technology usage / activity	Type of housing						
With Internet access at home (2)	Public rental housing	755.6	29.5	93.5	792.0	30.1	94.7
	Subsidised home ownership housing (3)	403.2	15.8	97.0	416.0	15.8	96.9
	Private housing (4)	1 400.6	54.7	97.2	1 423.5	54.1	97.6
	Overall	2 559.4	100.0	96.1	2 631.6	100.0	96.6
With PC at home (5)	Public rental housing	524.1	26.2	64.8	539.6	26.6	64.5
	Subsidised home ownership housing (3)	317.8	15.9	76.4	319.3	15.8	74.4
	Private housing (4)	1 158.4	57.9	80.4	1 166.9	57.6	80.0
	Overall	2 000.3	100.0	75.1	2 025.9	100.0	74.4
With PC at home connected to the Internet (5)	Public rental housing	523.2	26.2	64.7	539.4	26.6	64.5
	Subsidised home ownership housing (3)	317.8	15.9	76.4	319.1	15.8	74.3
	Private housing (4)	1 158.4	57.9	80.4	1 166.9	57.6	80.0
	Overall	1 999.4	100.0	75.0	2 025.4	100.0	74.4

1 As a percentage of all households in the respective types of housing.

2 Referring to Internet access, by any devices, at home.

3 Including flats built under the Home Ownership Scheme, Middle Income Housing Scheme, Private Sector Participation Scheme, Green Form Subsidised Home Ownership Scheme, Buy or Rent Option Scheme and Mortgage Subsidy Scheme, and flats sold under the Tenants Purchase Scheme of the Hong Kong Housing Authority. Also includes flats built under the Flat for Sale Scheme, Sandwich Class Housing Scheme and Subsidised Sale Flats Projects of the Hong Kong Housing Society; and flats in Urban Renewal Authority Subsidised Sale Flats Scheme. Subsidised sale flats that can be traded in open market are excluded.

4 Including private housing blocks, flats built under the Urban Improvement Scheme of the Hong Kong Housing Society, villas / bungalows / modern village houses, simple stone structures / traditional village houses, quarters in non-residential buildings, temporary housing and all units of staff quarters. Subsidised sale flats that can be traded in the open market are also included.

5 Including desktop computer, laptop and tablet.

Table 4.2 : Households with Internet access at home, personal computer (PC) at home and PC at home connected to the Internet by monthly household income

Survey year		2022			2023		
		Number of households			Number of households		
		No. (’000)	Percentage share (%)	Rate (%) (1)	No. (’000)	Percentage share (%)	Rate (%) (1)
Type of information technology usage / activity	Monthly household income (HK\$)						
With Internet access at home (2)	<10,000	396.9	15.5	82.0	437.9	16.6	84.6
	10,000–19,999	414.6	16.2	96.4	384.3	14.6	97.6
	20,000–29,999	438.5	17.1	99.5	467.0	17.7	99.5
	30,000–39,999	371.3	14.5	99.9	358.8	13.6	100.0
	40,000–49,999	289.5	11.3	100.0	294.4	11.2	100.0
	≥50,000	648.7	25.3	100.0	689.2	26.2	100.0
	Overall	2 559.4	100.0	96.1	2 631.6	100.0	96.6
With PC at home (3)	<10,000	174.7	8.7	36.1	196.1	9.7	37.9
	10,000–19,999	256.7	12.8	59.7	230.9	11.4	58.6
	20,000–29,999	351.7	17.6	79.8	364.7	18.0	77.7
	30,000–39,999	323.1	16.2	86.9	312.3	15.4	87.0
	40,000–49,999	263.4	13.2	91.0	262.7	13.0	89.2
	≥50,000	630.7	31.5	97.2	659.3	32.5	95.7
	Overall	2 000.3	100.0	75.1	2 025.9	100.0	74.4
With PC at home connected to the Internet (3)	<10,000	174.2	8.7	36.0	195.6	9.7	37.8
	10,000–19,999	256.2	12.8	59.6	230.9	11.4	58.6
	20,000–29,999	351.7	17.6	79.8	364.7	18.0	77.7
	30,000–39,999	323.1	16.2	86.9	312.3	15.4	87.0
	40,000–49,999	263.4	13.2	91.0	262.7	13.0	89.2
	≥50,000	630.7	31.5	97.2	659.3	32.5	95.7
	Overall	1 999.4	100.0	75.0	2 025.4	100.0	74.4

1 As a percentage of all households in the respective monthly household income groups.

2 Referring to Internet access, by any devices, at home.

3 Including desktop computer, laptop and tablet.

Table 4.3 : Median monthly household income of households with Internet access at home, personal computer (PC) at home and PC at home connected to the Internet

Survey year	2022	2023
	Median monthly household income	Median monthly household income
	HK\$	HK\$
Type of information technology usage / activity		
With Internet access at home (1)	30,800	30,700
With PC at home (2)	36,700	37,100
With PC at home connected to the Internet (2)	36,700	37,100

1 Referring to Internet access, by any devices, at home.

2 Including desktop computer, laptop and tablet.

Table 4.4 : Households with personal computer (PC) at home by number of PCs at home

Survey year		2022		2023	
		Number of households		Number of households	
		No. ('000)	Percentage share (%)	No. ('000)	Percentage share (%)
Type of information technology usage / activity	Number of PCs at home				
With PC at home (1)	1	605.8	30.3	627.1	31.0
	2	550.2	27.5	558.7	27.6
	3	385.2	19.3	412.5	20.4
	4	211.7	10.6	191.9	9.5
	≥5	247.3	12.4	235.7	11.6
	Overall	2 000.3	100.0	2 025.9	100.0

1 Including desktop computer, laptop and tablet.

Table 4.5 : Households with personal computer (PC) at home by type of PC at home

Survey year			2022		2023	
			Number of households		Number of households	
			No. ('000)	Percentage share (%)	No. ('000)	Percentage share (%)
Type of information technology usage / activity	Type of device at home (1)					
With PC at home (2)	PC	Tablet	1 367.5	68.4	1 460.4	72.1
		Laptop	1 353.5	67.7	1 332.9	65.8
		Desktop computer	984.4	49.2	960.9	47.4

1 Multiple answers were allowed.

2 Including desktop computer, laptop and tablet.

Table 4.6 : Households with personal computer (PC) at home connected to the Internet by whether had PC at home connected to the Internet via fixed broadband and reason for not doing so

Survey year			2022			2023		
			Number of households			Number of households		
			No. ('000)	Percentage share (%) (1)	Rate (%) (2)	No. ('000)	Percentage share (%) (1)	Rate (%) (2)
Type of information technology usage / activity	Whether connected to the Internet via fixed broadband	Reason for not connecting to the Internet via fixed broadband (3)						
With PC at home connected to the Internet (4)	Yes		1 964.2	-	98.2	2 005.4	-	99.0
	No	Using 3G/4G/5G mobile broadband network for Internet access	21.4	60.7	-	15.4	77.3	-
		Expensive Internet access charges	12.2	34.5	-	3.4	17.2	-
		No need to access the Internet at home / could access the Internet at other places	4.7	13.4	-	[*7]	[*7]	-
		Overall	35.2	100.0	1.8	20.0	100.0	1.0
	Total		1 999.4	-	100.0	2 025.4	-	100.0

1 As a percentage of all households with PC at home connected to the Internet but not via fixed broadband.

2 As a percentage of all households with PC at home connected to the Internet.

3 Multiple answers were allowed.

4 Including desktop computer, laptop and tablet.

- Not applicable

[*7] Figure is not released due to relatively large sampling error.

Usage of information technology by individuals

Table 4.7 : Persons aged 10 and over who had used the Internet, knowledge of using personal computer (PC), used PC and had a smartphone by educational attainment

Survey year		2022			2023		
Age group		≥10			≥10		
		Number of persons			Number of persons		
		No. (‘000)	Percentage share (%)	Rate (%) (1)	No. (‘000)	Percentage share (%)	Rate (%) (1)
Type of information technology usage / activity	Educational attainment						
Had used the Internet	Primary and below	1 048.2	17.1	81.7	1 077.0	17.0	83.2
	Secondary	3 134.9	51.1	98.7	3 345.5	52.7	98.7
	Post-secondary	1 955.1	31.9	99.7	1 929.7	30.4	99.7
	Overall	6 138.2	100.0	95.6	6 352.1	100.0	96.0
Had knowledge of using PC (2)	Primary and below	758.5	13.3	59.2	740.0	12.7	57.2
	Secondary	2 984.6	52.4	94.0	3 150.0	54.2	92.9
	Post-secondary	1 950.7	34.3	99.5	1 922.5	33.1	99.4
	Overall	5 693.8	100.0	88.7	5 812.5	100.0	87.8
Had used PC (2)	Primary and below	587.7	11.4	45.8	567.7	10.9	43.9
	Secondary	2 631.9	51.1	82.9	2 753.0	52.7	81.2
	Post-secondary	1 927.9	37.5	98.3	1 898.7	36.4	98.1
	Overall	5 147.4	100.0	80.2	5 219.5	100.0	78.9
Had a smartphone	Primary and below	1 129.0	18.1	88.0	1 096.6	17.2	84.7
	Secondary	3 149.9	50.5	99.2	3 351.0	52.5	98.9
	Post-secondary	1 957.0	31.4	99.8	1 930.2	30.3	99.8
	Overall	6 236.0	100.0	97.1	6 377.8	100.0	96.4

1 As a percentage of all persons aged 10 and over in the respective educational attainment groups.

2 Including desktop computer, laptop and tablet.

Table 4.8 : Persons aged 10 and over who had used the Internet, knowledge of using personal computer (PC), used PC and had a smartphone by economic activity status

Survey year			2022			2023		
Age group			≥10			≥10		
			Number of persons			Number of persons		
			No. ('000)	Percentage share (%)	Rate (%) ⁽¹⁾	No. ('000)	Percentage share (%)	Rate (%) ⁽¹⁾
Type of information technology usage / activity	Economic activity status							
Had used the Internet	Economically active		3 564.4	58.1	99.8	3 601.5	56.7	99.7
	Economically inactive	Students	699.3	11.4	100.0	731.9	11.5	100.0
		Home-makers	658.4	10.7	97.3	708.6	11.2	97.5
		Retired persons	1 177.0	19.2	82.7	1 273.3	20.0	84.7
		Others	39.2	0.6	81.4	36.9	0.6	80.5
		Sub-total	2 573.9	41.9	90.4	2 750.7	43.3	91.5
	Overall		6 138.2	100.0	95.6	6 352.1	100.0	96.0
Had knowledge of using PC ⁽²⁾	Economically active		3 461.2	60.8	96.9	3 477.1	59.8	96.3
	Economically inactive	Students	699.3	12.3	100.0	731.9	12.6	100.0
		Home-makers	606.7	10.7	89.7	623.2	10.7	85.8
		Retired persons	893.0	15.7	62.7	948.3	16.3	63.1
		Others	33.6	0.6	69.7	31.9	0.5	69.8
		Sub-total	2 232.6	39.2	78.4	2 335.4	40.2	77.6
	Overall		5 693.8	100.0	88.7	5 812.5	100.0	87.8
Had used PC ⁽²⁾	Economically active		3 205.8	62.3	89.7	3 205.6	61.4	88.8
	Economically inactive	Students	699.1	13.6	99.9	731.9	14.0	100.0
		Home-makers	504.5	9.8	74.6	521.7	10.0	71.8
		Retired persons	714.4	13.9	50.2	736.4	14.1	49.0
		Others	23.6	0.5	49.0	23.9	0.5	52.2
		Sub-total	1 941.6	37.7	68.2	2 013.9	38.6	67.0
	Overall		5 147.4	100.0	80.2	5 219.5	100.0	78.9
Had a smartphone	Economically active		3 569.8	57.2	99.9	3 605.8	56.5	99.9
	Economically inactive	Students	659.3	10.6	94.2	694.1	10.9	94.8
		Home-makers	666.6	10.7	98.6	710.5	11.1	97.8
		Retired persons	1 299.0	20.8	91.3	1 329.1	20.8	88.4
		Others	41.2	0.7	85.6	38.3	0.6	83.6
		Sub-total	2 666.2	42.8	93.6	2 771.9	43.5	92.2
	Overall		6 236.0	100.0	97.1	6 377.8	100.0	96.4

1 As a percentage of all persons aged 10 and over in the respective economic activity status groups.

2 Including desktop computer, laptop and tablet.

Table 4.9 : Persons aged 10 and over who had a smartphone by number of smartphones they owned

Survey year		2022		2023	
Age group		≥10		≥10	
		Number of persons		Number of persons	
		No. ('000)	Percentage share (%)	No. ('000)	Percentage share (%)
Type of information technology usage / activity	Number of smartphones owned				
Had a smartphone	1	5 934.2	95.2	6 010.6	94.2
	2	272.2	4.4	334.9	5.3
	≥3	29.6	0.5	32.3	0.5
	Total	6 236.0	100.0	6 377.8	100.0

Usage of mobile payments**Table 4.10 : Persons aged 15 and over who had used mobile payments by sex**

Survey year		2022			2023		
Age group		≥15			≥15		
		Number of persons			Number of persons		
		No. ('000)	Percentage share (%)	Rate (%) (1)	No. ('000)	Percentage share (%)	Rate (%) (1)
Type of information technology usage / activity	Sex						
Had used mobile payments (2)	Male	1 770.0	48.0	61.1	1 984.0	48.4	66.7
	Female	1 919.5	52.0	59.5	2 116.9	51.6	63.4
	Both sexes	3 689.5	100.0	60.2	4 100.9	100.0	64.9

1 As a percentage of all persons aged 15 and over in the respective sex.

2 Referring to payments settled by official currencies using mobile devices such as smartphones or tablets.

5. Further Information

For more statistics on the topic, please refer to the following web pages where you will find supplementary statistical tables (in XLSX and CSV formats) and relevant Web Tables:

Table E573 : Supplementary Tables of Thematic Household Survey Report No. 80

- Persons aged 10 and over by whether had a mobile phone / type of mobile phone
- Persons aged 10 and over who had a mobile phone other than a smartphone by age group and sex

Table 720-90001 : Households with Internet access at home

Table 720-90002 : Households with personal computer (PC) at home

Table 720-90003 : Persons aged 10 and over who had used the Internet by sex and age group

Table 720-90004 : Persons aged 10 and over who had knowledge of using personal computer (PC) by sex and age group

Table 720-90005 : Persons aged 10 and over who had used personal computer (PC) by sex and age group

Table 720-90006 : Persons aged 10 and over who had a mobile phone (including smartphone) by sex and age group

Table 720-90007 : Persons aged 10 and over who had a smartphone by sex and age group

6. Explanatory Notes

Survey coverage and methodology

This round of the Thematic Household Survey (THS) was conducted from May to August 2023 which covered the land-based non-institutional population of Hong Kong Resident Population (i.e. comprising Usual Residents and Mobile Residents), but did not include foreign domestic helpers.

Some 10 100 households within a scientifically selected sample of quarters were successfully enumerated in this survey, constituting a response rate of 76%. Within each enumerated household, all persons aged 10 and over (excluding foreign domestic helpers) were selected for interview. For details of survey methodology, information collected and reliability of the estimates for this round of THS, please refer to Part 1 of the Explanatory Notes [here](#).

Survey period

Survey periods covered in the report:

Survey Year	Survey Period	Results Released in THS Report No.
2000	January - March 2000	2
2001	April - June 2001	6
2002	May - July 2002	10
2003	May - August 2003	15
2004	June - August 2004	20
2005	May - August 2005	23
2006	June - August 2006	27
2007	July - September 2007	32
2008	July - September 2008	37
2009	June - August 2009	43

Survey Year	Survey Period	Results Released in THS Report No.
2010	October - December 2010	48
2012	June - August 2012	52
2013	January - April 2013	53
2014	June - August 2014	54
2015	May - August 2015	59
2016	April - July 2016	62
2017	June - September 2017	64
2018	June - September 2018	67
2019	April - July 2019	69
2020	June - October 2020	73
2021	April - July 2021	75
2022	June - September 2022	77
2023	May - August 2023	80

Rounding of figures

There may be a slight discrepancy between the sum of individual items and the total as shown in the charts and tables due to rounding.

Terms and definitions

- **Personal computer (PC)** includes desktop computer, laptop and tablet, but excludes palm top / Personal Digital Assistant (PDA), digital diary and electronic dictionary.

[Cautionary remark: Figures for PC in 2000 include desktop computer, notebook and palm top, while figures for 2001 and 2002 include desktop computer, laptop / notebook and PDA. Figures for 2003 to 2008 include desktop computer, laptop / notebook / tablet and palm top / PDA. In 2009, 2010, 2012 and 2013, figures include desktop computer, laptop / notebook / netbook / tablet and palm top / PDA. Figures from 2014 onwards include desktop computer, laptop and tablet only. Although the coverage of PCs is slightly different across survey years, relevant statistics are broadly comparable.]

- **Smartphone** refers to a mobile phone offering more advanced features than a cell phone which is mainly for making phone call, sending SMS and taking picture. Some advanced features / functions found in smartphone include touchscreen interface, Internet access via mobile network (such as Wi-Fi connection and 4G LTE/5G connection), video and music player, video recording, GPS navigation, sending and receiving e-mail and web browsing, etc. The smartphone can also be used to download mobile apps (such as WhatsApp, Facebook and YouTube).
- **Mobile payment** refers to payment settled by official currencies using mobile device such as smartphones or tablets.

For the full list of terms and definitions (including common terms and definitions of the socio-economic characteristics of population) for this round of THS, please refer to Part 2 of the Explanatory Notes [here](#).

Explanatory Notes (Complete Version)

[Explanatory Notes \(Complete Version\)](#)

7. Enquiries

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